

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092820\
 Data File : BF121720.D
 Acq On : 28 Sep 2020 19:15
 Operator : JU/CG
 Sample : L4154-04 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.410	562	565	575	rBV	644982	605050	17.95%	1.014%
2	6.428	735	738	743	rBV	717865	637432	18.91%	1.068%
3	6.634	769	773	776	rBV	216281	189046	5.61%	0.317%
4	6.798	797	801	808	rVB	1127583	1061416	31.49%	1.778%
5	7.075	844	848	851	rVB2	127759	137162	4.07%	0.230%
6	7.187	864	867	870	rVV2	159452	151471	4.49%	0.254%
7	7.334	886	892	893	rBV2	110141	152959	4.54%	0.256%
8	7.357	893	896	900	rVV	532533	504849	14.98%	0.846%
9	7.398	900	903	906	rVB	601173	504731	14.97%	0.846%
10	7.445	906	911	914	rVB4	133944	190218	5.64%	0.319%
11	7.604	935	938	941	rVB2	153470	163647	4.85%	0.274%
12	7.722	956	958	962	rVB4	166672	172510	5.12%	0.289%
13	7.769	962	966	968	rVB2	155901	176989	5.25%	0.296%
14	7.798	968	971	973	rBV	185954	150559	4.47%	0.252%
15	7.834	973	977	981	rVB3	230220	296961	8.81%	0.497%
16	7.875	981	984	986	rBV	146808	120593	3.58%	0.202%
17	7.951	994	997	1001	rBV2	105085	155571	4.61%	0.261%
18	8.039	1007	1012	1013	rBV4	89416	147126	4.36%	0.246%
19	8.063	1013	1016	1018	rVV	1287917	1407895	41.76%	2.358%
20	8.081	1018	1019	1022	rVV	1549648	900977	26.73%	1.509%
21	8.145	1025	1030	1032	rVB	596492	575401	17.07%	0.964%
22	8.169	1032	1034	1037	rBV3	148675	155597	4.62%	0.261%
23	8.239	1042	1046	1047	rBV3	110141	131402	3.90%	0.220%
24	8.286	1051	1054	1056	rVB2	240822	229451	6.81%	0.384%
25	8.375	1064	1069	1071	rBV4	304134	410414	12.17%	0.688%
26	8.428	1075	1078	1081	rBV3	232700	189347	5.62%	0.317%
27	8.457	1081	1083	1087	rVB2	382245	374764	11.12%	0.628%
28	8.504	1087	1091	1093	rBV	1077655	934959	27.73%	1.566%
29	8.545	1096	1098	1101	rVB3	179702	144734	4.29%	0.242%
30	8.586	1102	1105	1107	rBV2	238520	191659	5.69%	0.321%
31	8.622	1107	1111	1113	rBV4	238583	234899	6.97%	0.393%
32	8.675	1116	1120	1123	rBV	2213106	1765780	52.38%	2.958%
33	8.733	1128	1130	1133	rVB2	118928	122273	3.63%	0.205%
34	8.769	1133	1136	1139	rVB2	336437	364476	10.81%	0.611%

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121720.D
 Acq On : 28 Sep 2020 19:15
 Operator : JU/CG
 Sample : L4154-04 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.828	1143	1146	1149	rBV4	152223	142811	4.24%	0.239%
36	8.869	1149	1153	1155	rBV4	145745	248245	7.36%	0.416%
37	8.957	1165	1168	1169	rBV	346277	286129	8.49%	0.479%
38	9.004	1174	1176	1178	rVB	252188	160592	4.76%	0.269%
39	9.039	1178	1182	1185	rVB	441384	425893	12.63%	0.713%
40	9.075	1185	1188	1190	rBV	417849	334531	9.92%	0.560%
41	9.104	1190	1193	1197	rVB	1312801	1043687	30.96%	1.748%
42	9.151	1198	1201	1204	rBV	991783	772410	22.91%	1.294%
43	9.239	1211	1216	1220	rBV	3162334	3015013	89.44%	5.051%
44	9.281	1220	1223	1225	rBV	231172	236786	7.02%	0.397%
45	9.351	1233	1235	1238	rVB3	171725	156519	4.64%	0.262%
46	9.428	1246	1248	1250	rVB3	217150	163717	4.86%	0.274%
47	9.492	1256	1259	1261	rBV	417312	343511	10.19%	0.575%
48	9.516	1261	1263	1265	rVB2	436825	325241	9.65%	0.545%
49	9.557	1265	1270	1272	rBV2	1665197	2103016	62.38%	3.523%
50	9.581	1272	1274	1277	rVV	554454	464618	13.78%	0.778%
51	9.616	1277	1280	1283	rVB2	459814	381582	11.32%	0.639%
52	9.704	1291	1295	1297	rBV3	313125	430854	12.78%	0.722%
53	9.745	1299	1302	1303	rVV2	492840	457340	13.57%	0.766%
54	9.769	1303	1306	1309	rVV	3231817	2776251	82.35%	4.651%
55	9.810	1310	1313	1314	rVV3	375390	399611	11.85%	0.669%
56	9.833	1314	1317	1320	rVV	1597110	1437959	42.66%	2.409%
57	9.875	1322	1324	1326	rBV3	162776	138044	4.09%	0.231%
58	9.939	1333	1335	1339	rVB2	226952	231045	6.85%	0.387%
59	9.998	1342	1345	1348	rVV2	386666	546536	16.21%	0.916%
60	10.028	1348	1350	1353	rVV2	549818	523141	15.52%	0.876%
61	10.057	1353	1355	1357	rVV	312631	234900	6.97%	0.393%
62	10.086	1357	1360	1364	rVB4	748827	884180	26.23%	1.481%
63	10.128	1364	1367	1369	rVB	323207	285369	8.47%	0.478%
64	10.151	1369	1371	1373	rBV2	230884	229544	6.81%	0.385%
65	10.204	1378	1380	1384	rVB2	254870	283495	8.41%	0.475%
66	10.245	1384	1387	1388	rBV2	256938	269954	8.01%	0.452%
67	10.269	1388	1391	1394	rVV	3094766	2591909	76.89%	4.342%
68	10.298	1394	1396	1398	rVB2	227515	189946	5.63%	0.318%
69	10.322	1398	1400	1406	rVB5	270429	348522	10.34%	0.584%
70	10.375	1406	1409	1411	rBV3	203829	259252	7.69%	0.434%
71	10.486	1423	1428	1434	rBV	1819329	2096337	62.19%	3.512%

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121720.D
 Acq On : 28 Sep 2020 19:15
 Operator : JU/CG
 Sample : L4154-04 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.539	1434	1437	1440	rVB2	364891	326812	9.69%	0.547%
73	10.569	1440	1442	1445	rBV2	429328	433483	12.86%	0.726%
74	10.604	1445	1448	1450	rBV	467961	400936	11.89%	0.672%
75	10.745	1468	1472	1473	rBV	2966592	3371125	100.00%	5.647%
76	10.933	1501	1504	1505	rBV	329315	315259	9.35%	0.528%
77	10.998	1513	1515	1517	rVB	194705	132035	3.92%	0.221%
78	11.022	1517	1519	1522	rBV	200868	173341	5.14%	0.290%
79	11.063	1524	1526	1527	rBV	196009	122587	3.64%	0.205%
80	11.186	1544	1547	1550	rBV	2301917	2083243	61.80%	3.490%
81	11.222	1550	1553	1558	rVB	1613426	1692214	50.20%	2.835%
82	11.322	1566	1570	1572	rBV	1312452	1147577	34.04%	1.922%
83	11.433	1586	1589	1591	rBV3	214129	177876	5.28%	0.298%
84	11.457	1591	1593	1597	rVV	267531	224765	6.67%	0.377%
85	11.498	1597	1600	1603	rVB	263675	227397	6.75%	0.381%
86	11.563	1609	1611	1615	rVV	436055	445126	13.20%	0.746%
87	11.616	1616	1620	1623	rVB	2209257	1783040	52.89%	2.987%
88	11.774	1645	1647	1649	rBV	175900	167573	4.97%	0.281%
89	11.845	1657	1659	1661	rVB	196427	150520	4.46%	0.252%
90	12.022	1686	1689	1692	rVB	1576694	1356773	40.25%	2.273%
91	12.298	1733	1736	1745	rVB2	287594	401825	11.92%	0.673%
92	12.369	1745	1748	1751	rVB2	174421	176778	5.24%	0.296%
93	12.404	1751	1754	1758	rBV	1137590	1046812	31.05%	1.754%
94	12.774	1815	1817	1821	rVB	758623	689583	20.46%	1.155%
95	12.898	1835	1838	1846	rVB	810189	805653	23.90%	1.350%
96	13.133	1875	1878	1881	rBV	503754	414706	12.30%	0.695%
97	13.474	1933	1936	1940	rBV	297158	238168	7.06%	0.399%
98	13.804	1989	1992	1999	rVB	206489	230980	6.85%	0.387%
99	13.957	2013	2018	2020	rBV	1011726	1013042	30.05%	1.697%
100	15.404	2259	2264	2274	rVB	792566	1075914	31.92%	1.802%

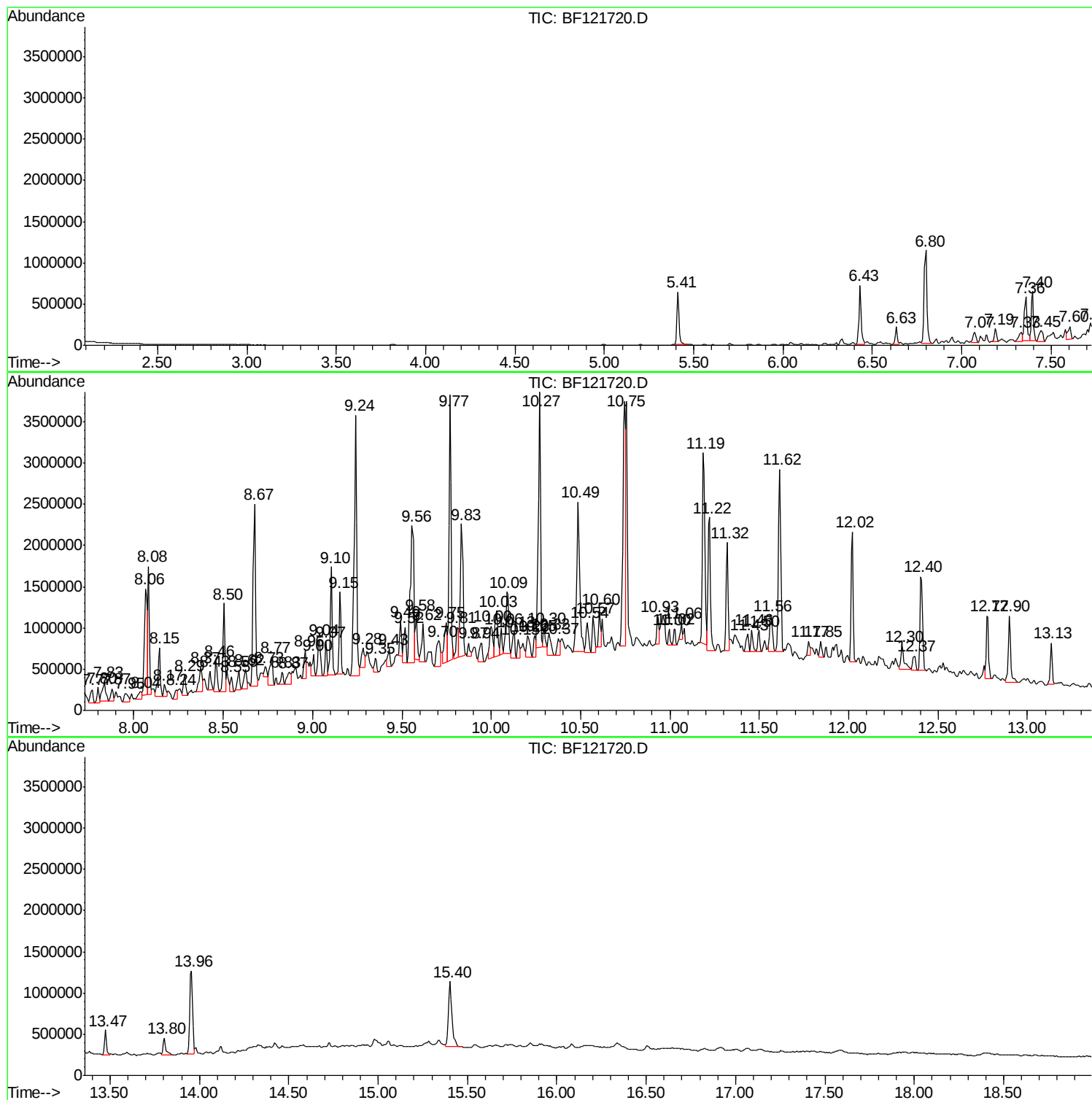
Sum of corrected areas: 59695951

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

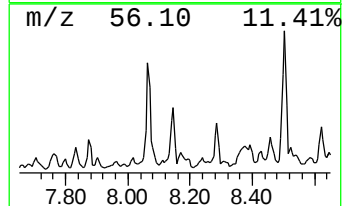
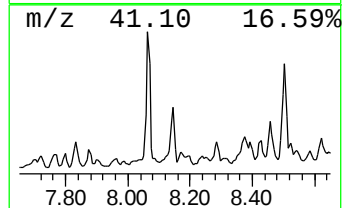
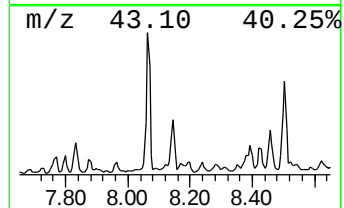
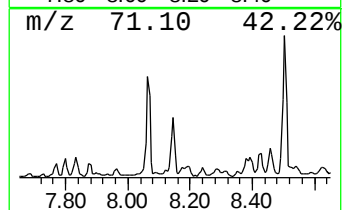
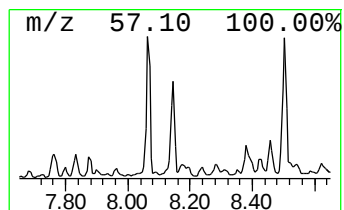
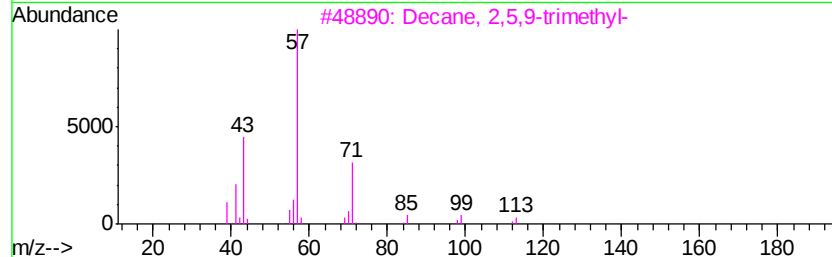
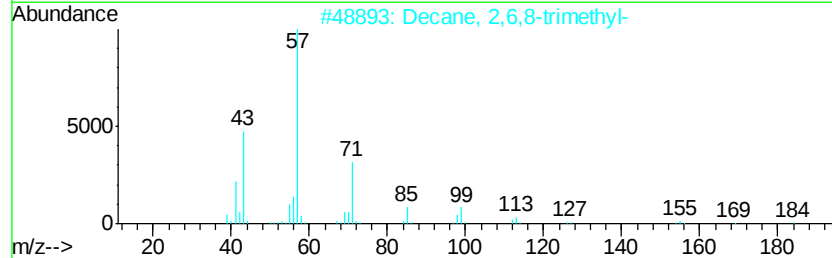
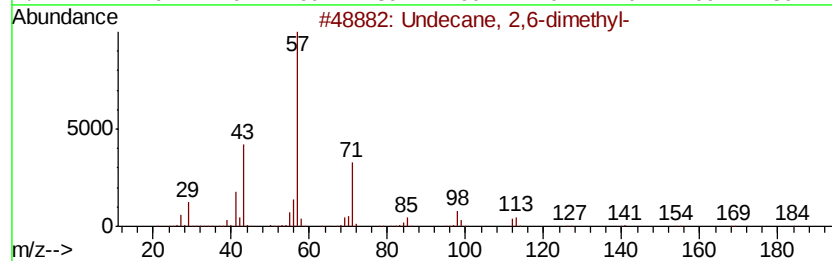
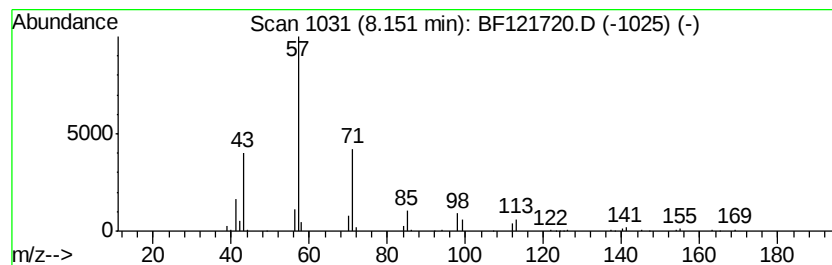
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Undecane, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	12.77 ng	575401	Napthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
2		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	80
3		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	78
4		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	78
5		Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

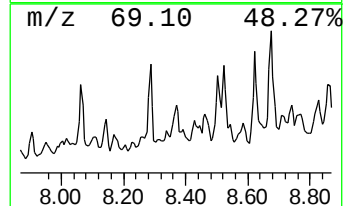
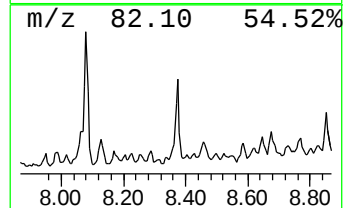
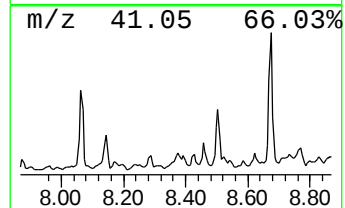
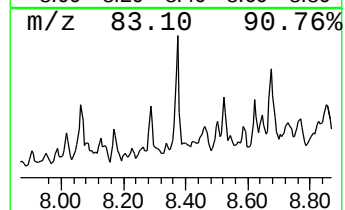
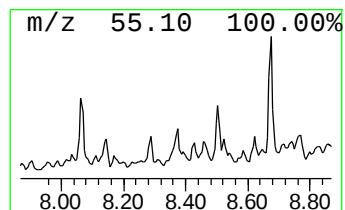
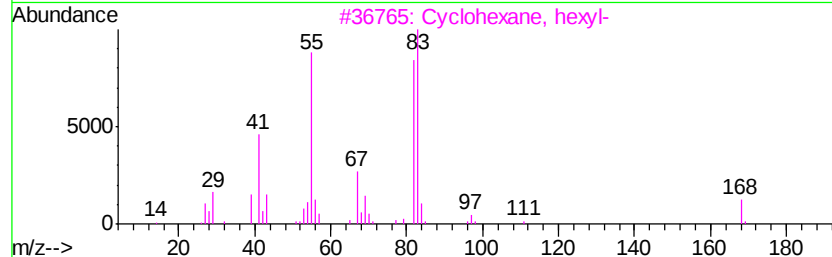
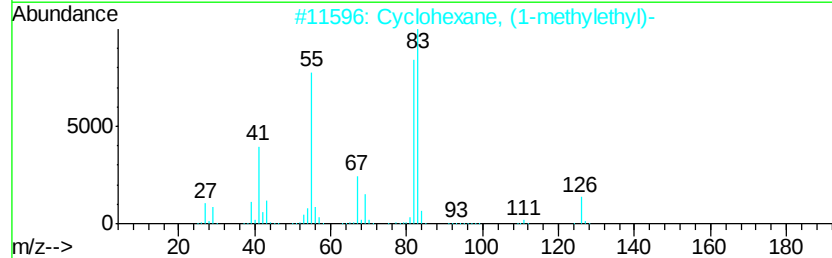
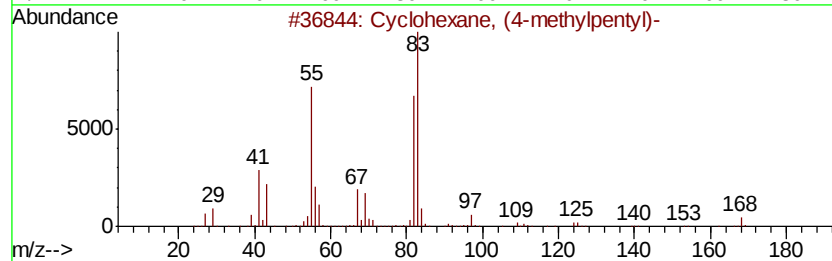
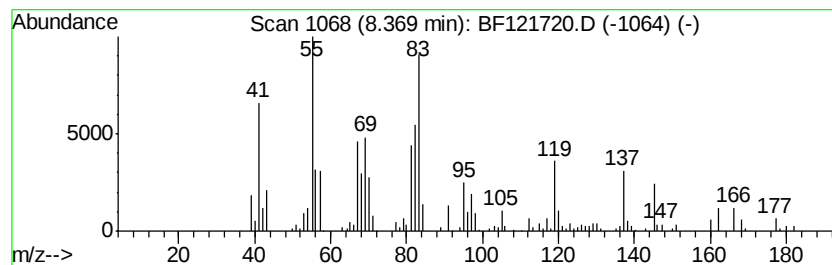
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown8.37 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	9.11 ng	410414	Naphthalene-d8	8.08

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	46
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
3			Cyclohexane, hexyl-	168	C12H24	004292-75-5	43
4			3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	43
5			Heptylcyclohexane	182	C13H26	005617-41-4	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

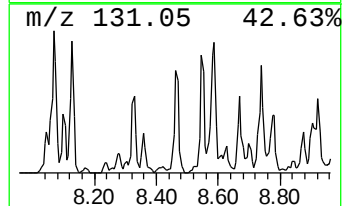
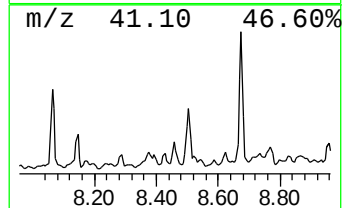
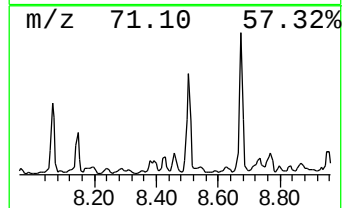
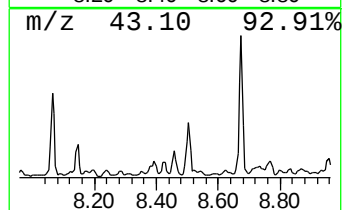
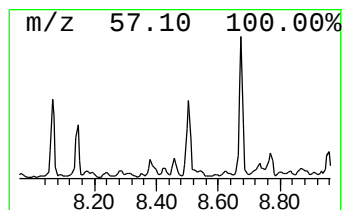
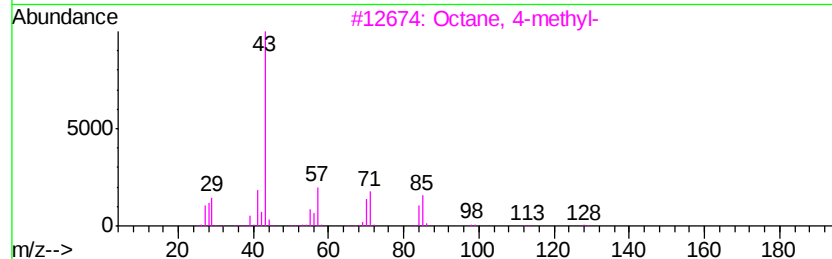
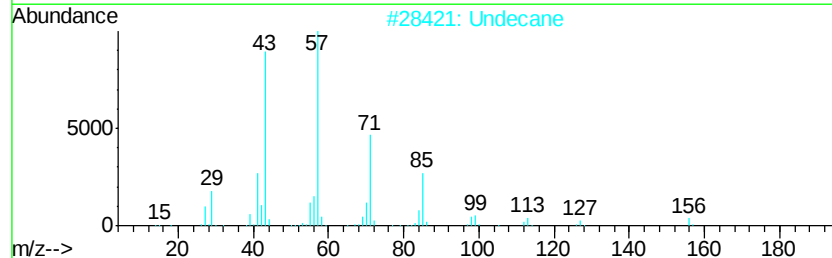
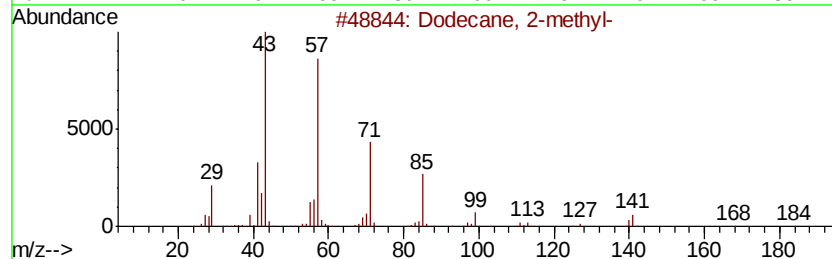
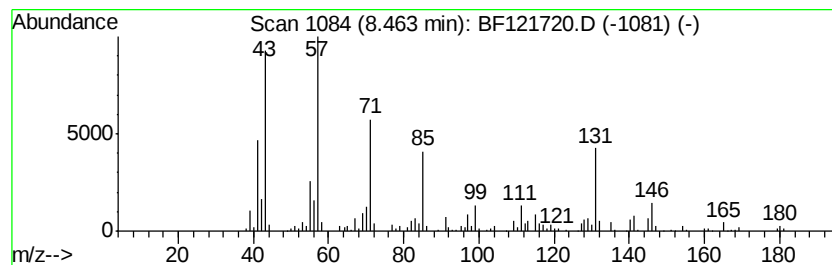
Instrument :
BNA_F
ClientSampleId :
DUP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dodecane, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	8.32 ng	374764	Napthalene-d8	8.08
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane, 2-methyl-	184 C13H28	001560-97-0	78
2	Undecane	156 C11H24	001120-21-4	59
3	Octane, 4-methyl-	128 C9H20	002216-34-4	52
4	Sulfurous acid, butyl decyl ester	278 C14H30O3S	1000309-17-7	50
5	1-Iodoundecane	282 C11H23I	004282-44-4	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

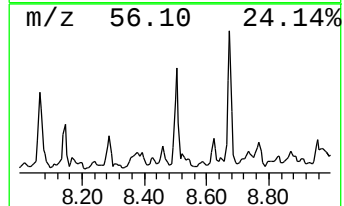
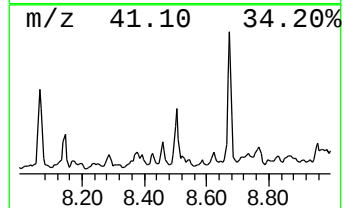
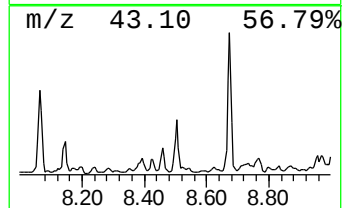
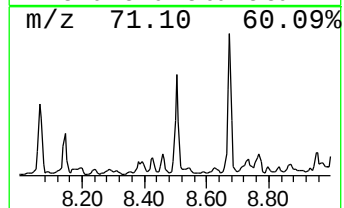
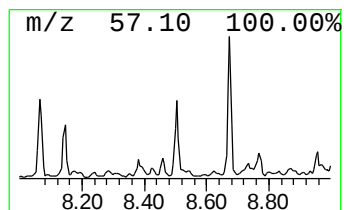
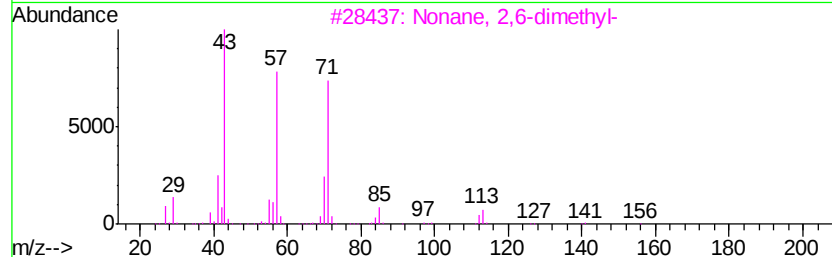
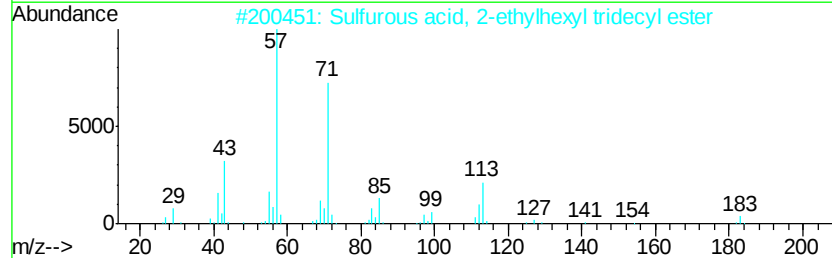
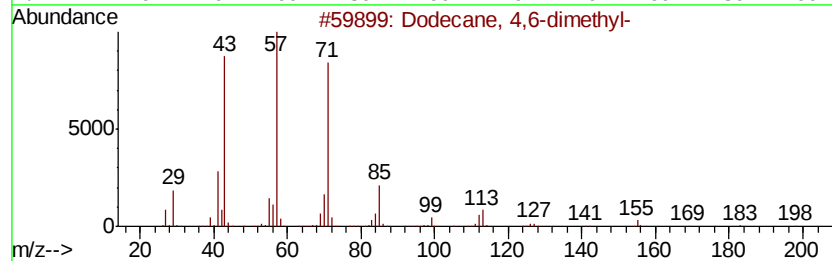
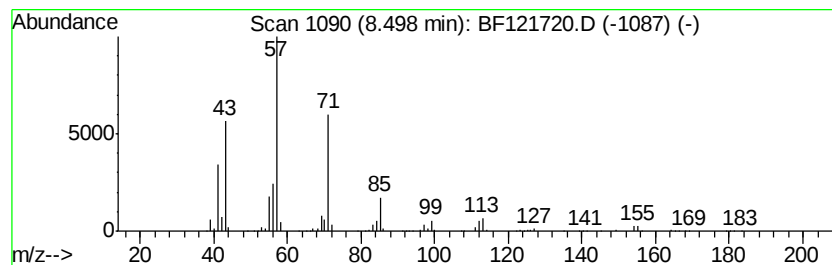
Instrument :
BNA_F
ClientSampleId :
DUP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Dodecane, 4,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	20.75 ng	934959	Napthalene-d8	8.08
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane, 4,6-dimethyl-	198 C14H30	061141-72-8	76
2	Sulfurous acid, 2-ethylhexyl tri...	376 C21H44O3S	1000309-19-6	72
3	Nonane, 2,6-dimethyl-	156 C11H24	017302-28-2	72
4	Nonane, 3-methyl-	142 C10H22	005911-04-6	72
5	Octane, 2,3,6-trimethyl-	156 C11H24	062016-33-5	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

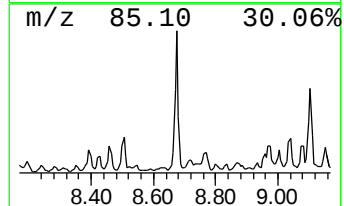
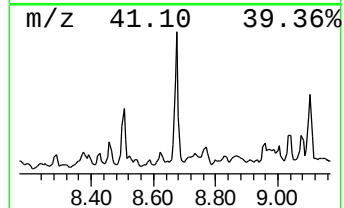
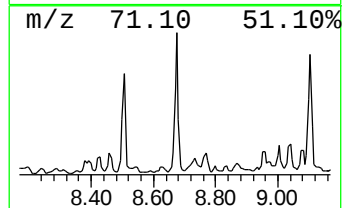
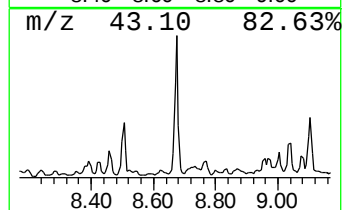
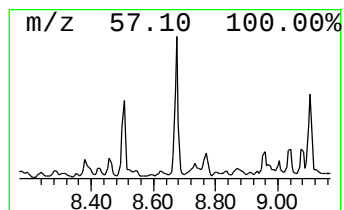
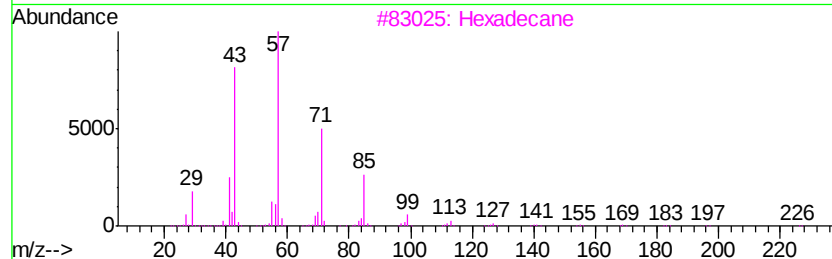
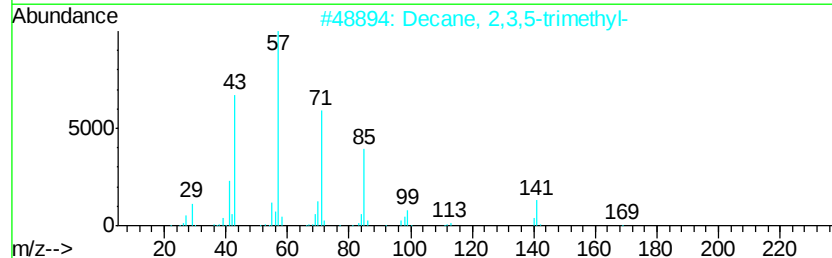
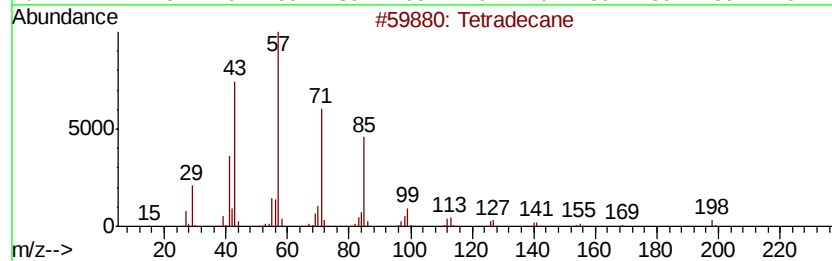
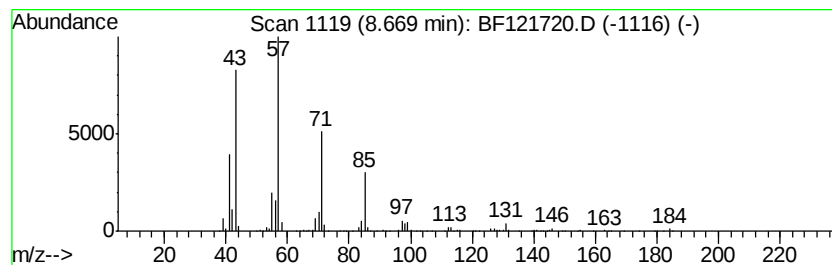
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Tetradecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	39.20 ng	1765780	Napthalene-d8	8.08

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	86
2		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	86
3		Hexadecane	226	C16H34	000544-76-3	86
4		Tridecane	184	C13H28	000629-50-5	81
5		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

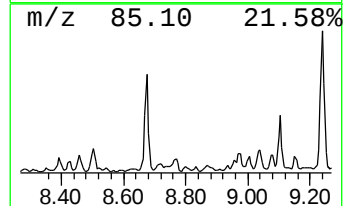
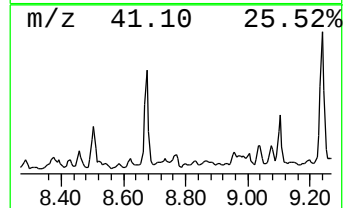
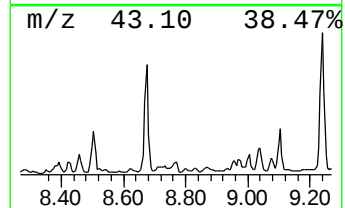
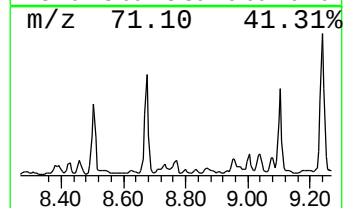
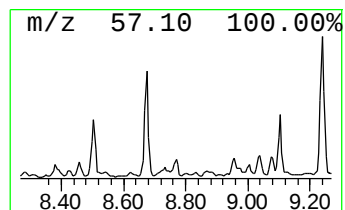
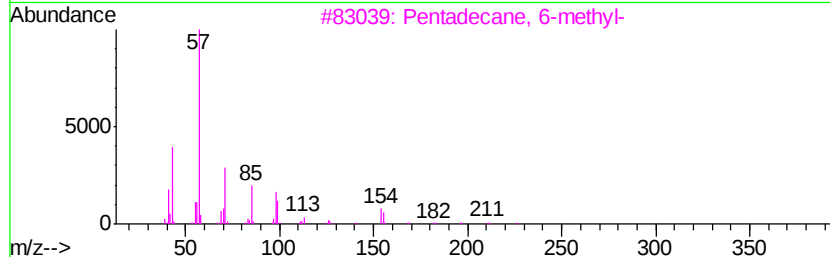
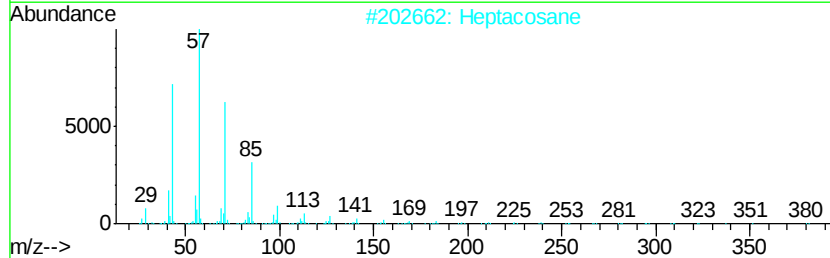
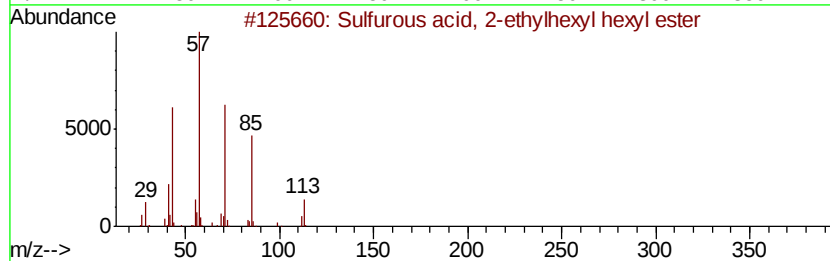
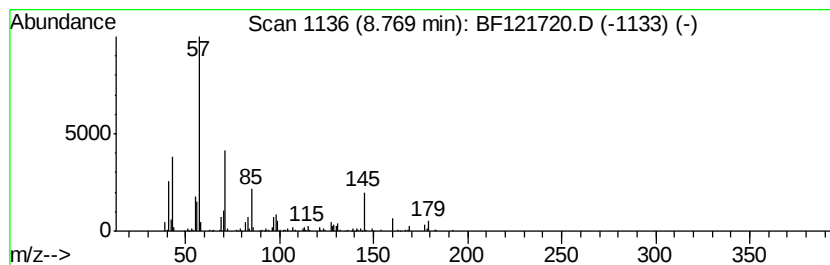
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown8.77 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	8.09 ng	364476	Naphthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	47
2		Heptacosane	380	C27H56	000593-49-7	47
3		Pentadecane, 6-methyl-	226	C16H34	010105-38-1	47
4		Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	38
5		Decane, 5-methyl-	156	C11H24	013151-35-4	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

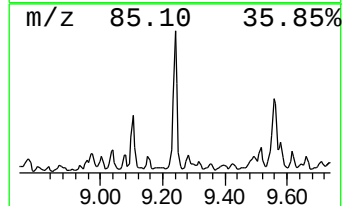
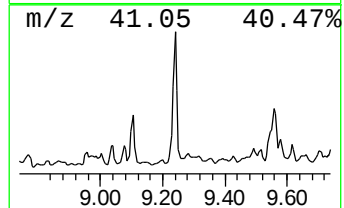
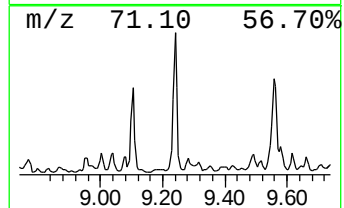
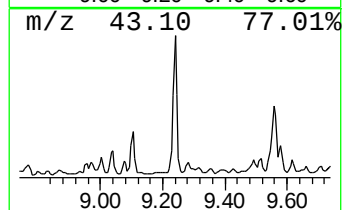
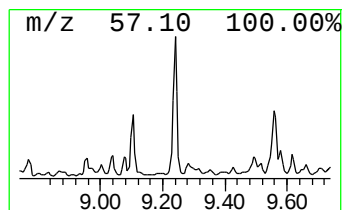
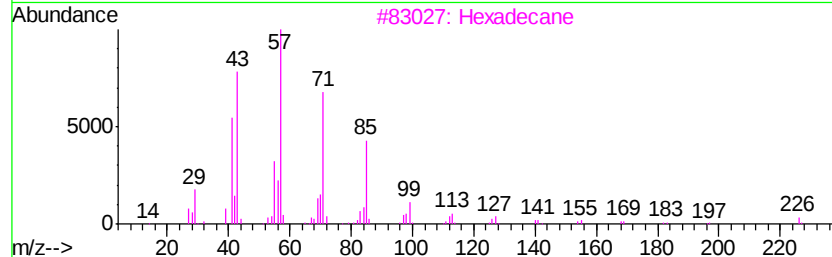
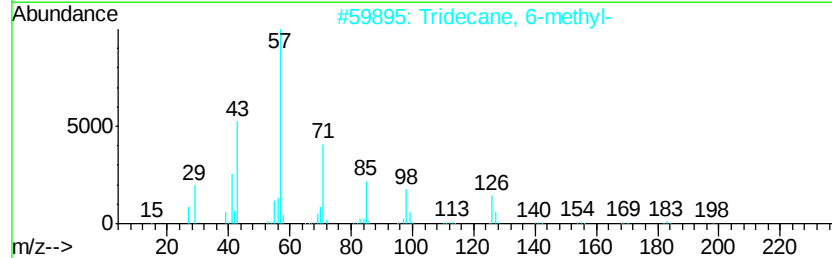
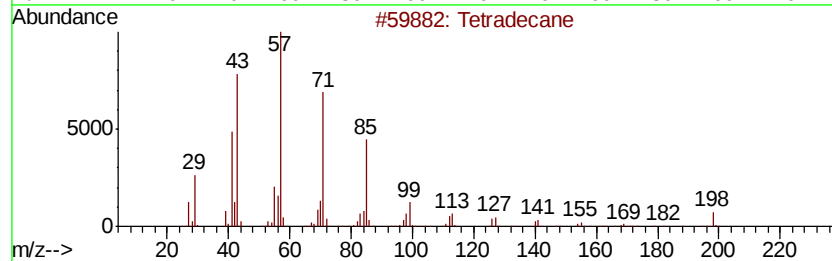
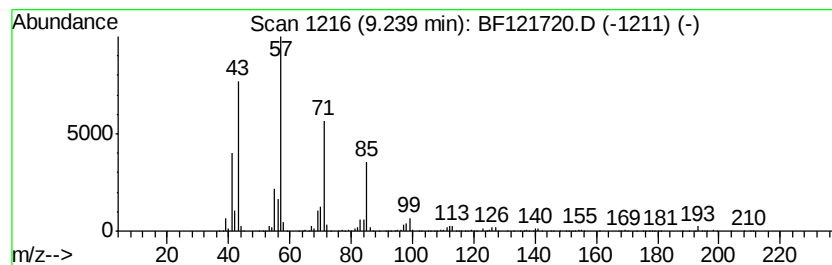
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Tridecane, 6-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	41.93 ng	3015010	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	95
2		Tridecane, 6-methyl-	198	C14H30	013287-21-3	91
3		Hexadecane	226	C16H34	000544-76-3	91
4		9-methylheptadecane	254	C18H38	026741-18-4	83
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

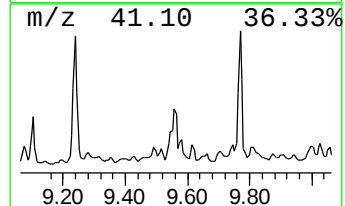
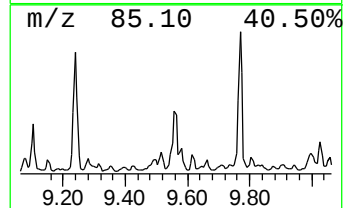
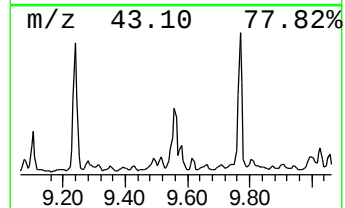
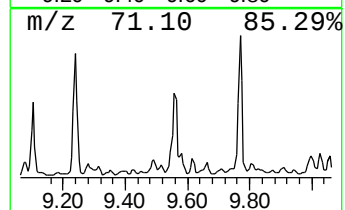
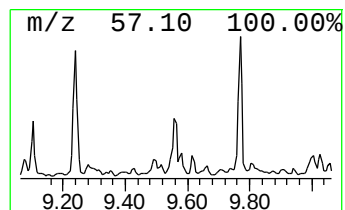
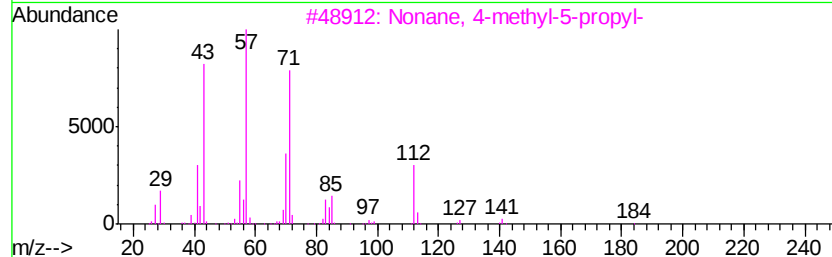
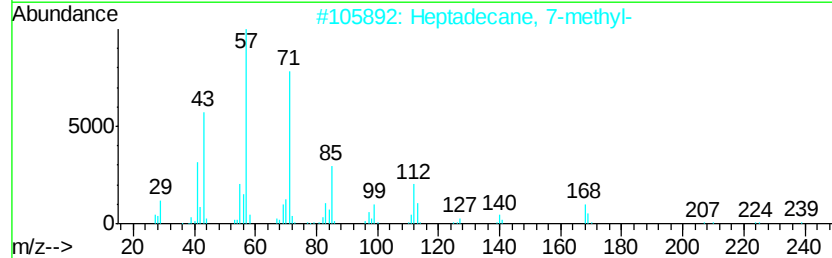
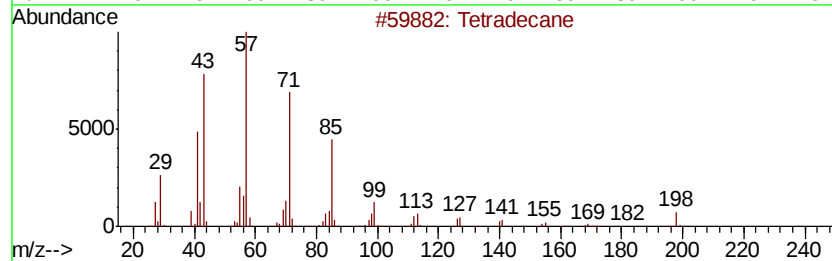
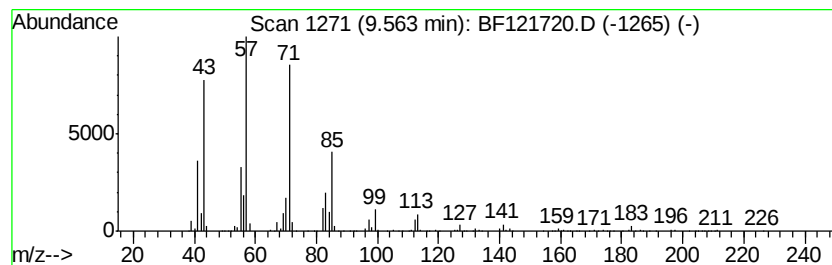
Instrument :
BNA_F
ClientSampleId :
DUP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Heptadecane, 7-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	29.25 ng	2103020	Acenaphthene-d10	9.83
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetradecane	198 C14H30	000629-59-4 90
2		Heptadecane, 7-methyl-	254 C18H38	020959-33-5 83
3		Nonane, 4-methyl-5-propyl-	184 C13H28	062185-55-1 70
4		Hexadecane	226 C16H34	000544-76-3 64
5		1,3-Dimethylcyclopentanol	114 C7H14O	019550-46-0 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

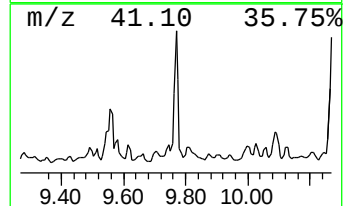
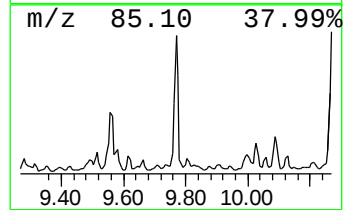
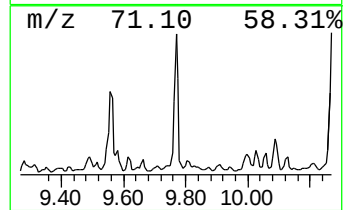
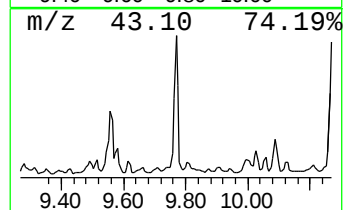
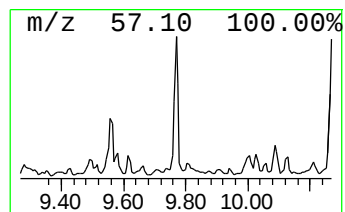
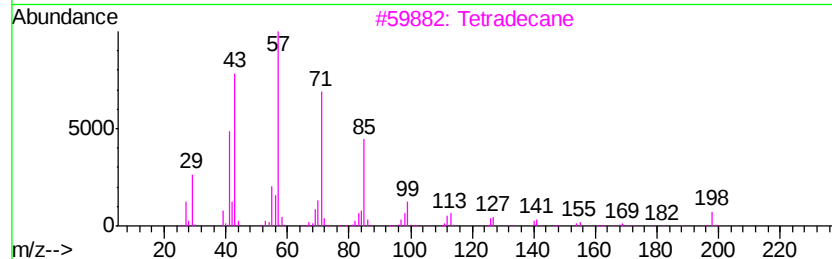
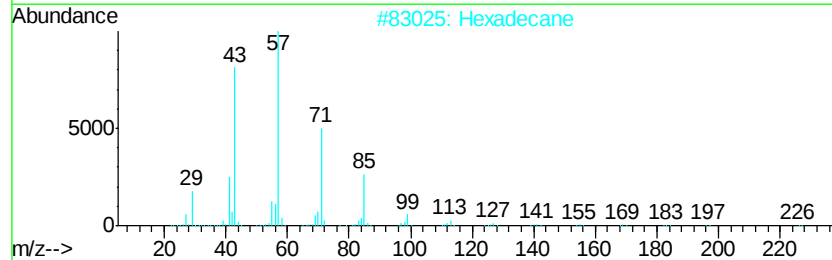
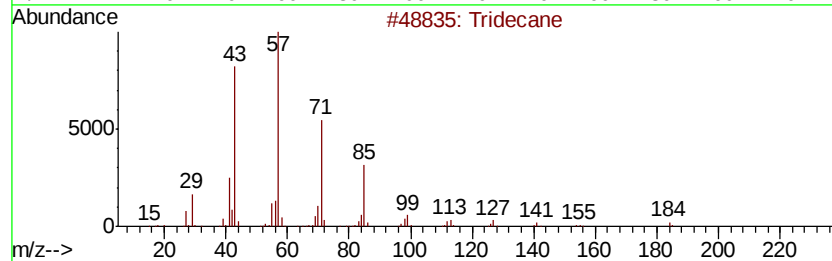
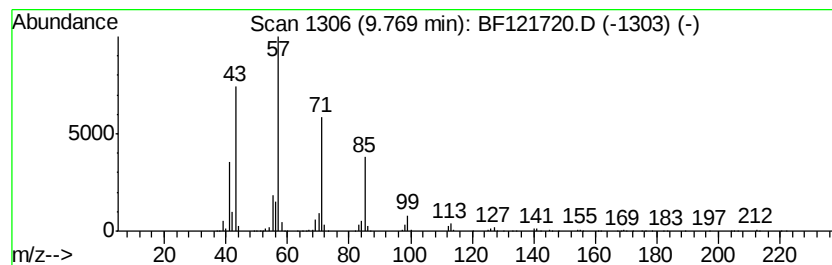
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Tridecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	38.61 ng	2776250	Acenaphthene-d10	9.83

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	90
2	Hexadecane		226	C16H34	000544-76-3	90
3	Tetradecane		198	C14H30	000629-59-4	86
4	Pentadecane		212	C15H32	000629-62-9	83
5	Nonadecane		268	C19H40	000629-92-5	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

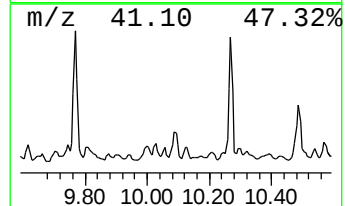
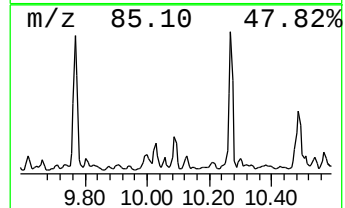
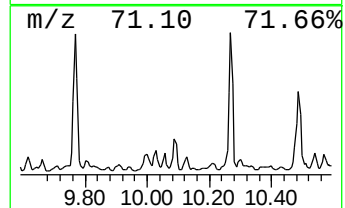
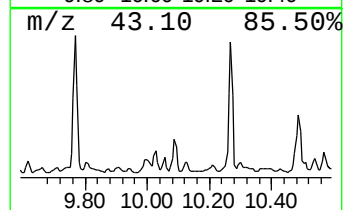
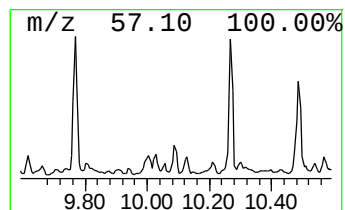
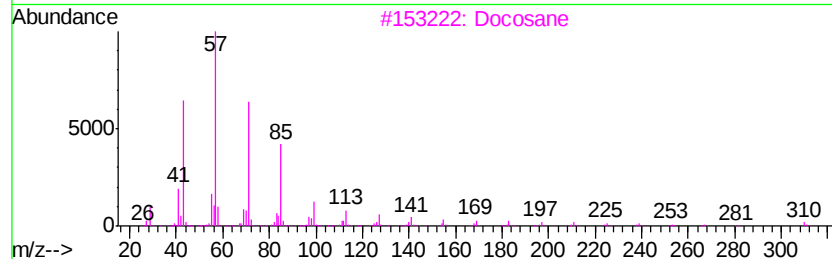
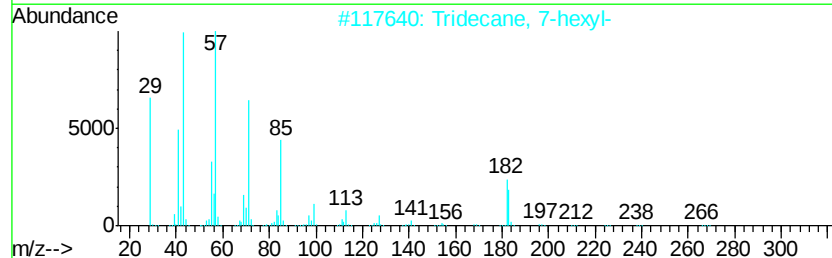
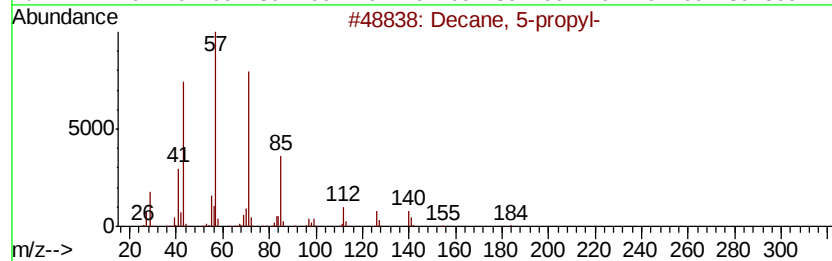
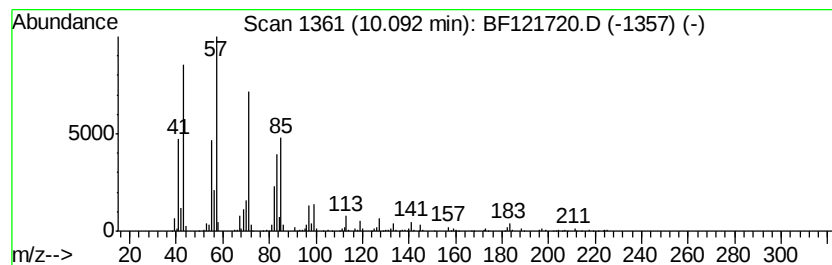
Instrument :
BNA_F
ClientSampleId :
DUP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Decane, 5-propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	12.30 ng	884180	Acenaphthene-d10	9.83
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 5-propyl-	184 C13H28	017312-62-8	90
2	Tridecane, 7-hexyl-	268 C19H40	007225-66-3	90
3	Docosane	310 C22H46	000629-97-0	90
4	Heptacosane	380 C27H56	000593-49-7	90
5	Tetradecane	198 C14H30	000629-59-4	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

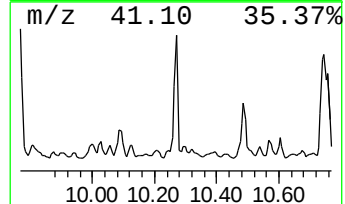
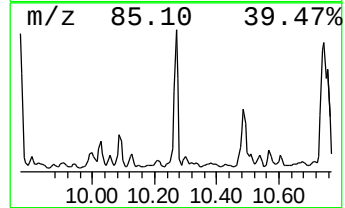
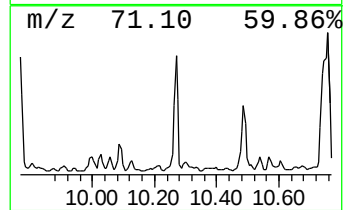
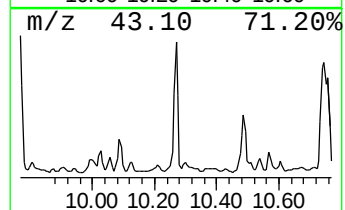
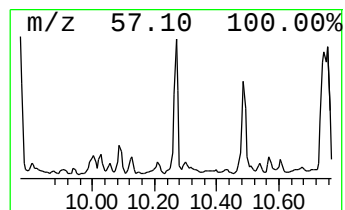
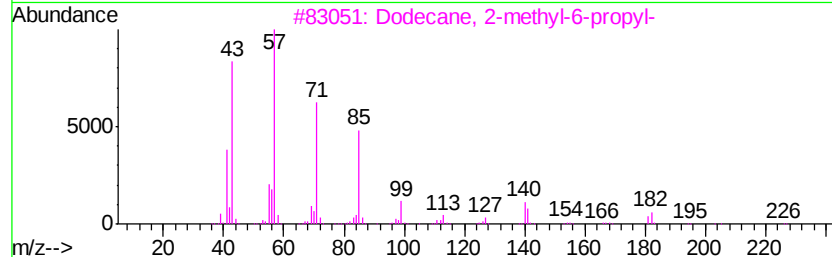
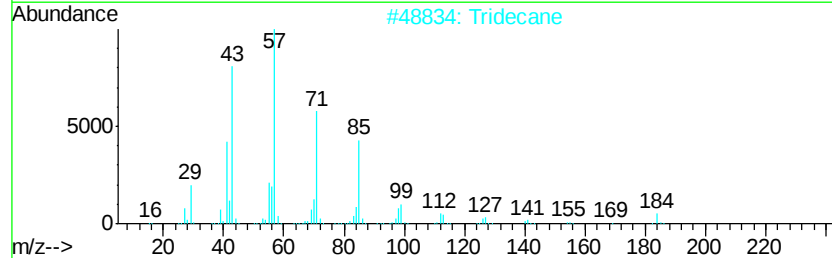
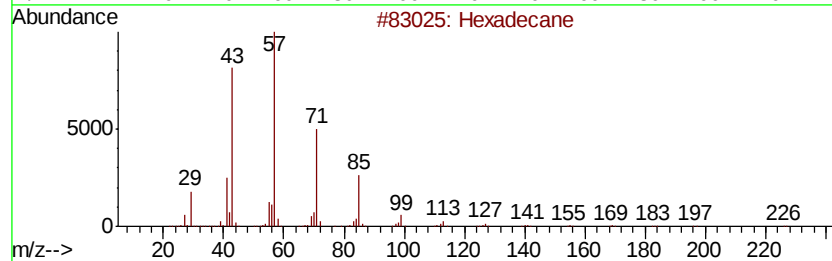
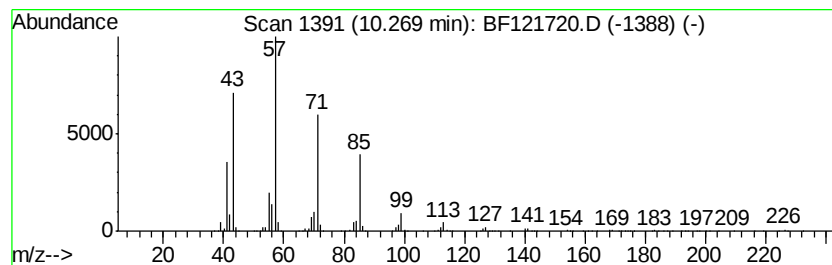
Instrument :
BNA_F
ClientSampleId :
DUP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	36.05 ng	2591910	Acenaphthene-d10	9.83
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	94
2	Tridecane	184 C13H28	000629-50-5	91
3	Dodecane, 2-methyl-6-propyl-	226 C16H34	055045-08-4	86
4	Dodecane, 2-methyl-	184 C13H28	001560-97-0	83
5	Pentadecane, 7-methyl-	226 C16H34	006165-40-8	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

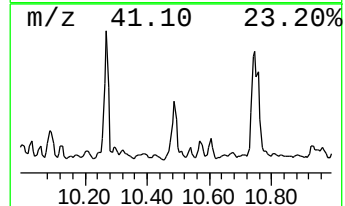
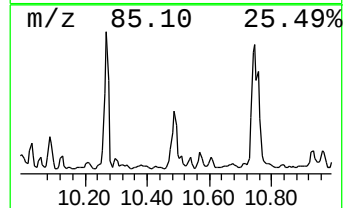
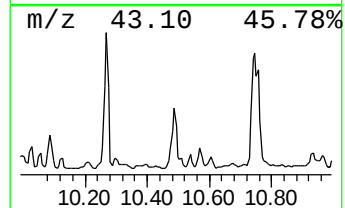
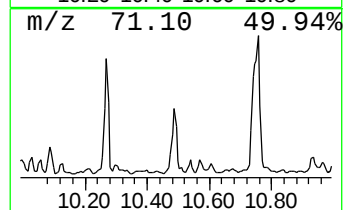
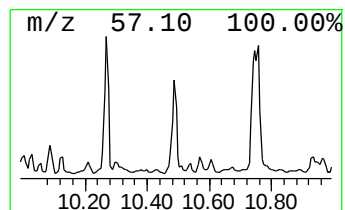
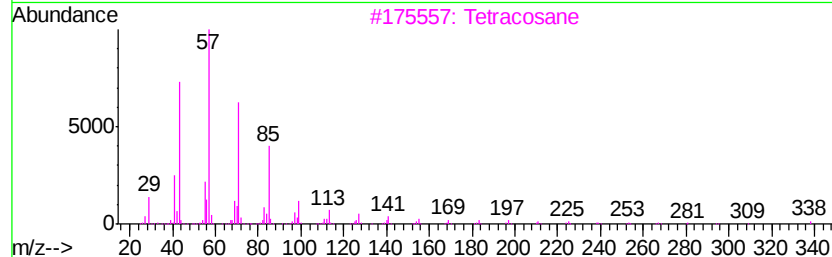
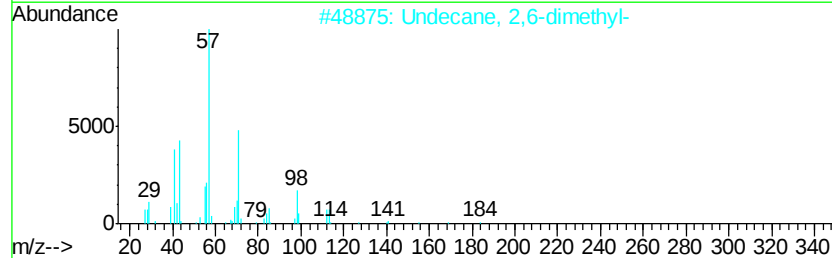
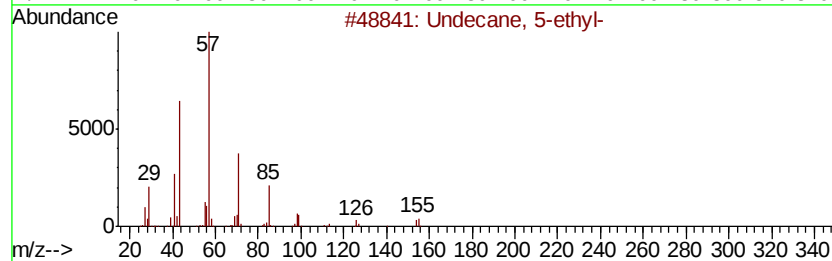
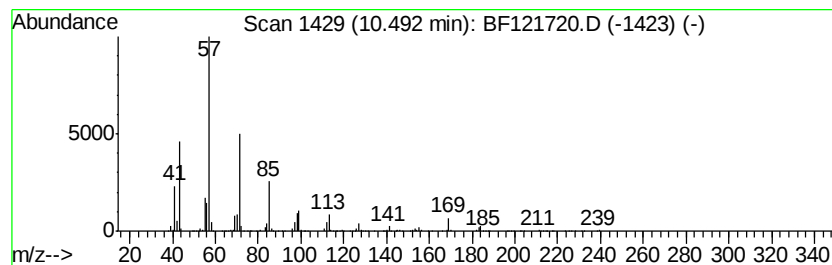
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Undecane, 5-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	29.16 ng	2096340	Acenaphthene-d10	9.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	72
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
3		Tetracosane	338	C24H50	000646-31-1	64
4		Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
5		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

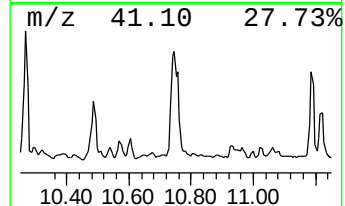
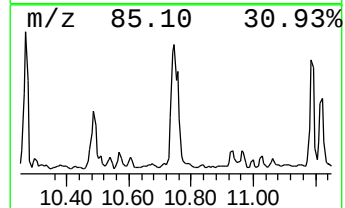
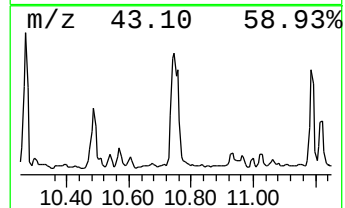
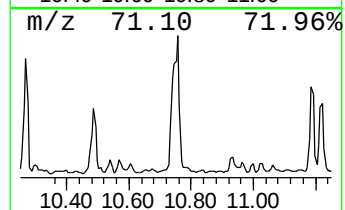
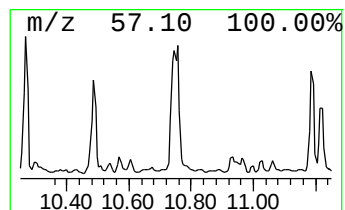
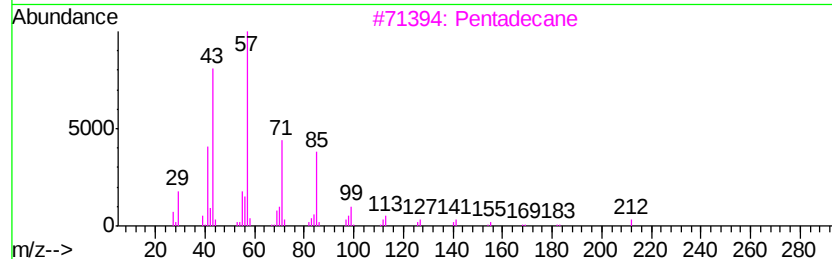
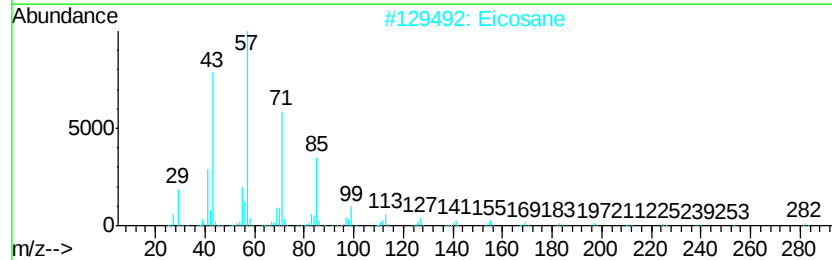
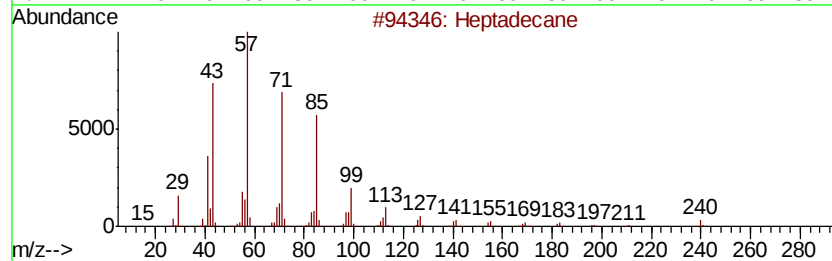
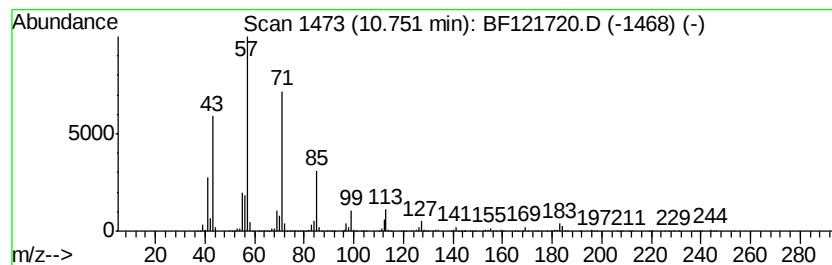
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Heptadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	58.75 ng	3371130	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	97
2	Eicosane		282	C20H42	000112-95-8	91
3	Pentadecane		212	C15H32	000629-62-9	90
4	Hexadecane		226	C16H34	000544-76-3	90
5	Heptacosane		380	C27H56	000593-49-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

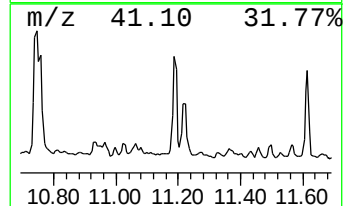
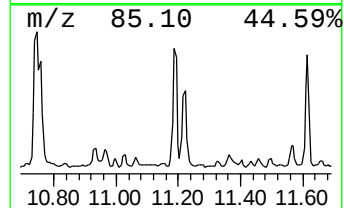
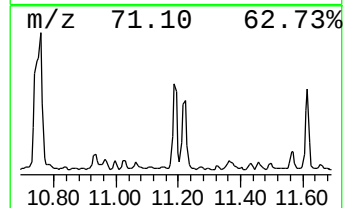
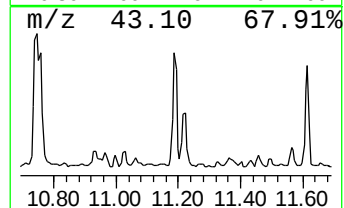
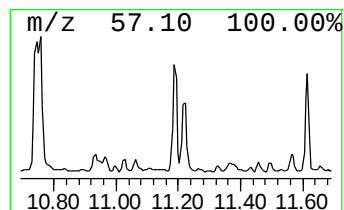
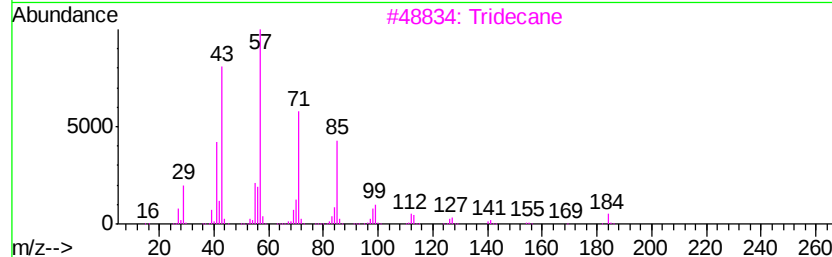
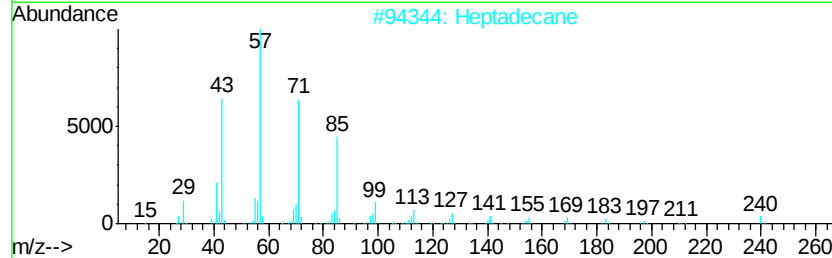
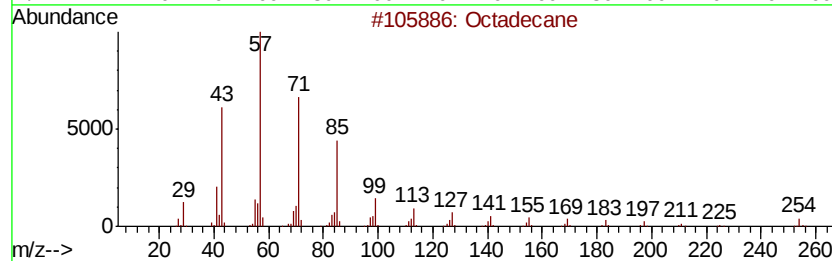
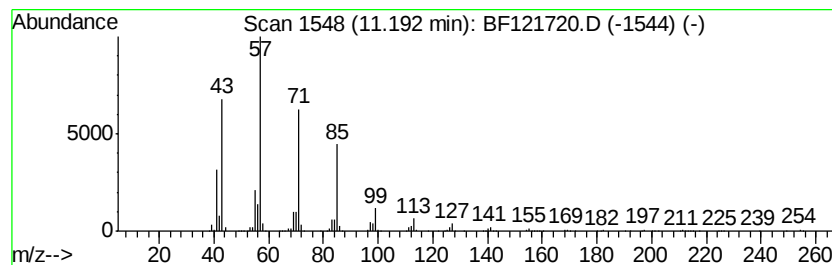
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Octadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	36.31 ng	2083240	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane		254	C18H38	000593-45-3	95
2	Heptadecane		240	C17H36	000629-78-7	90
3	Tridecane		184	C13H28	000629-50-5	87
4	Heptadecane, 8-methyl-		254	C18H38	013287-23-5	87
5	Hexadecane		226	C16H34	000544-76-3	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

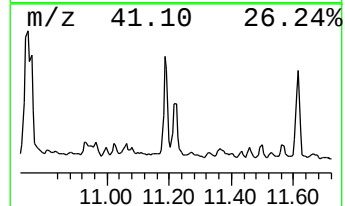
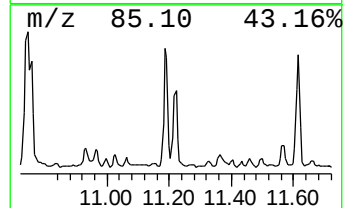
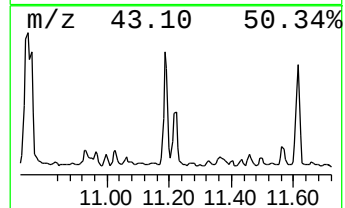
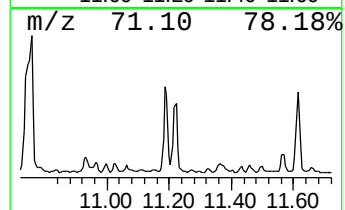
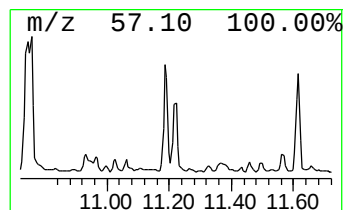
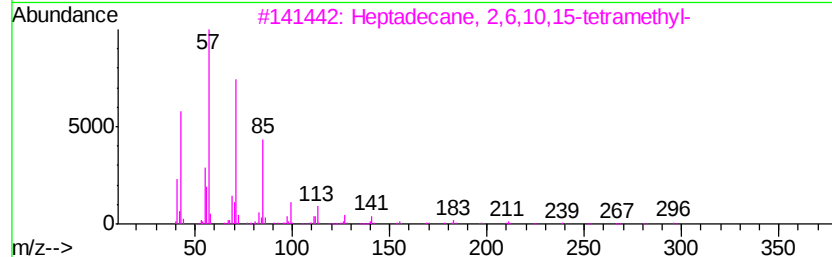
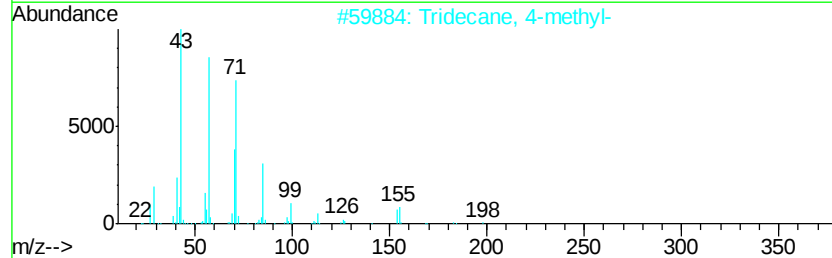
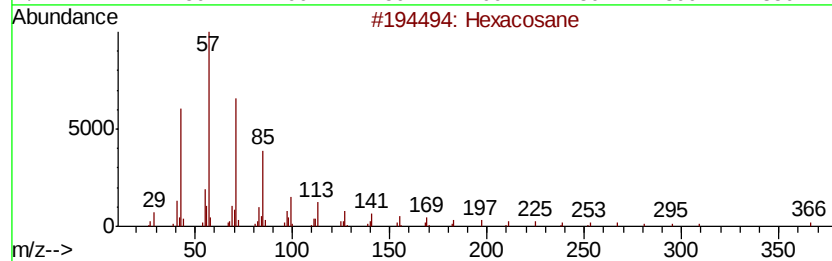
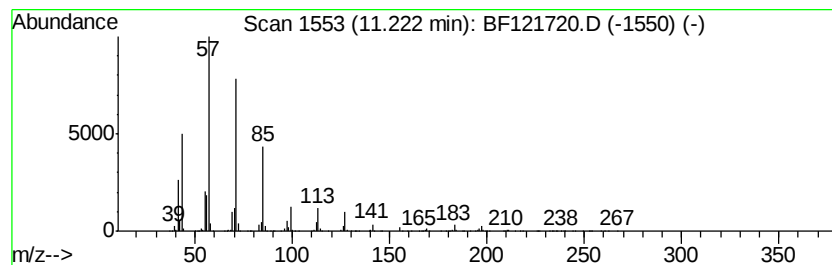
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Hexacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	29.49 ng	1692210	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	90
2		Tridecane, 4-methyl-	198	C14H30	026730-12-1	87
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4		Hexadecane	226	C16H34	000544-76-3	86
5		Heptacosane	380	C27H56	000593-49-7	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

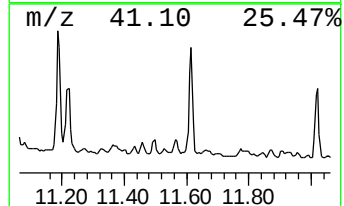
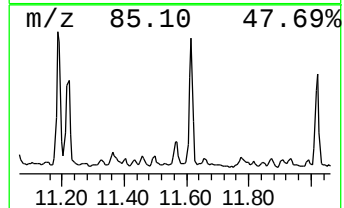
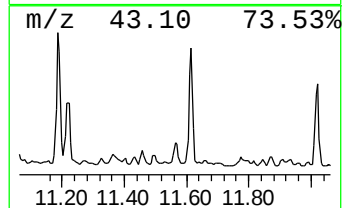
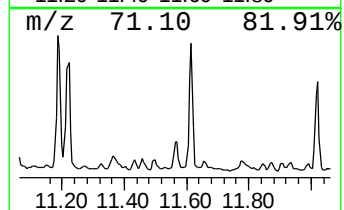
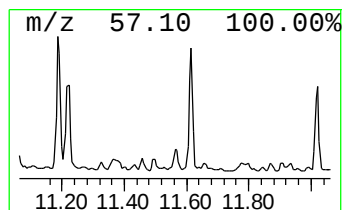
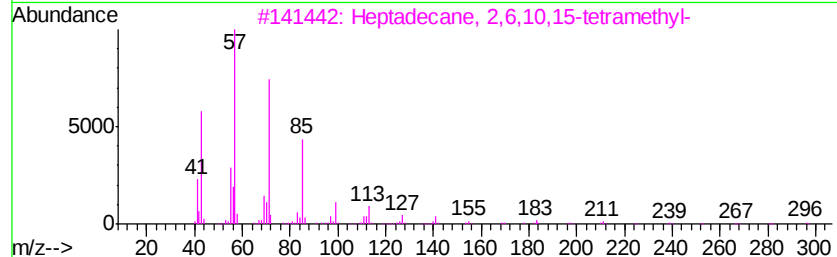
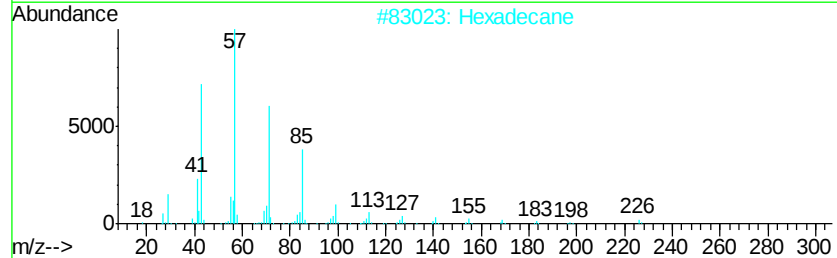
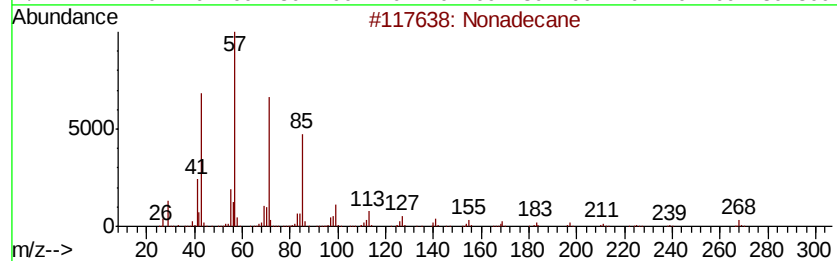
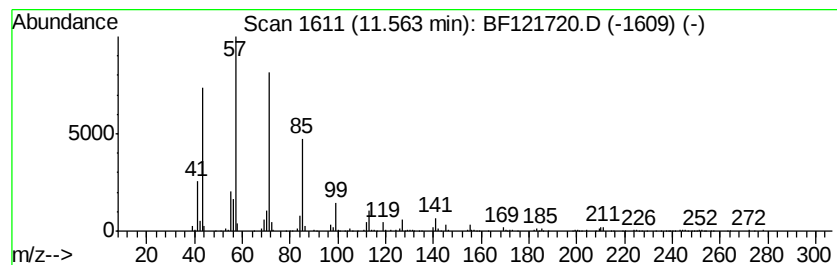
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Nonadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	7.76 ng	445126	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	90
2			Hexadecane	226	C16H34	000544-76-3	90
3			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
4			Octacosane	394	C28H58	000630-02-4	87
5			Tetradecane	198	C14H30	000629-59-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

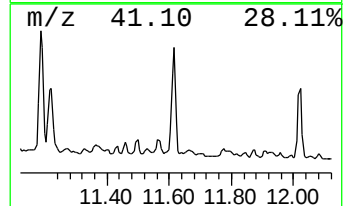
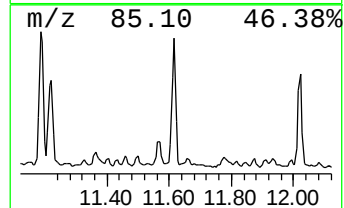
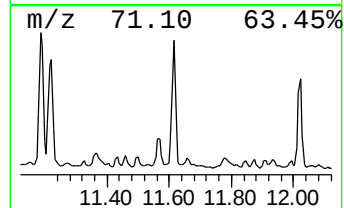
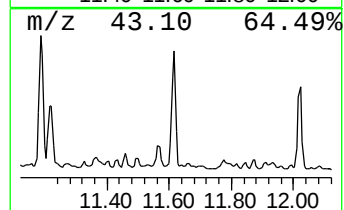
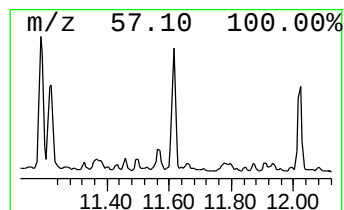
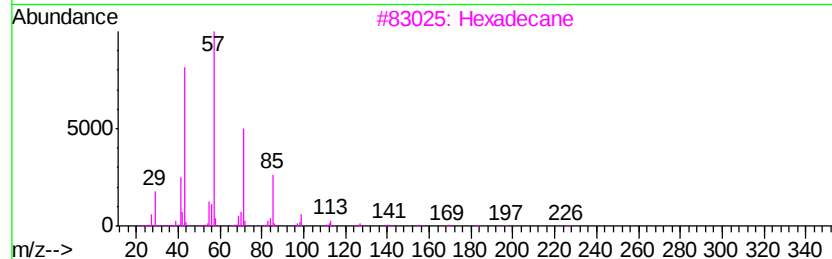
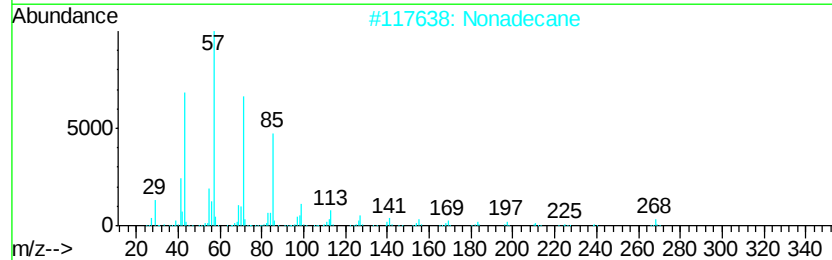
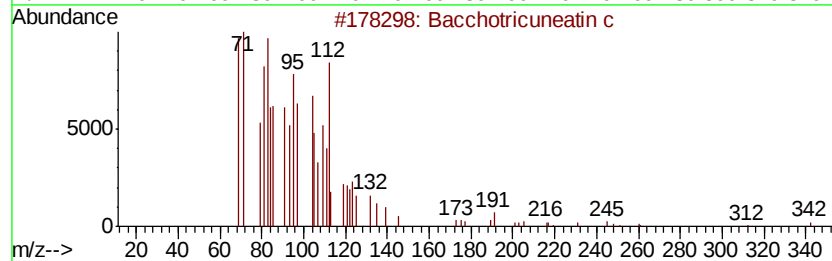
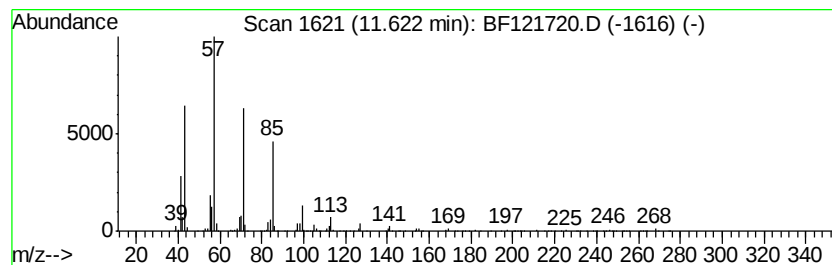
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Bacchotricuneatin c Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	31.07 ng	1783040	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	96
2		Nonadecane	268	C19H40	000629-92-5	95
3		Hexadecane	226	C16H34	000544-76-3	90
4		Heptacosane	380	C27H56	000593-49-7	90
5		Heneicosane	296	C21H44	000629-94-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

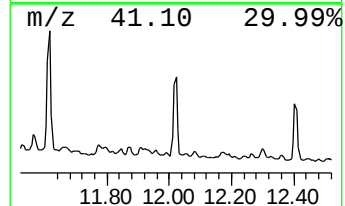
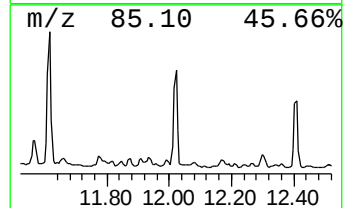
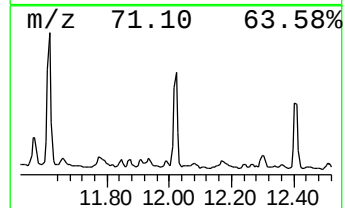
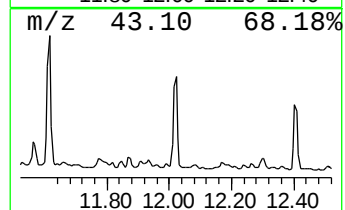
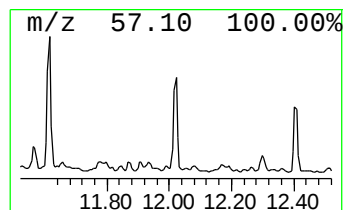
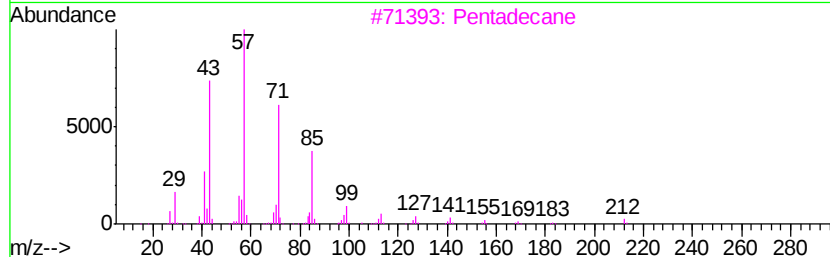
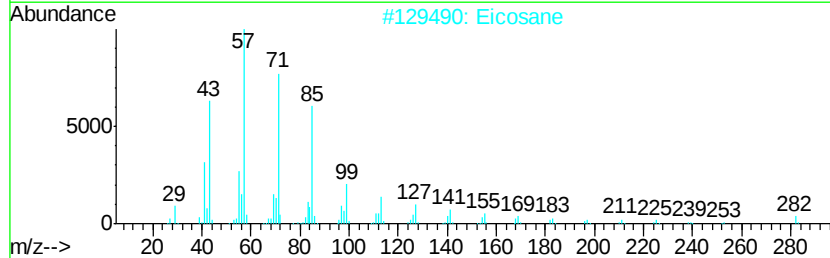
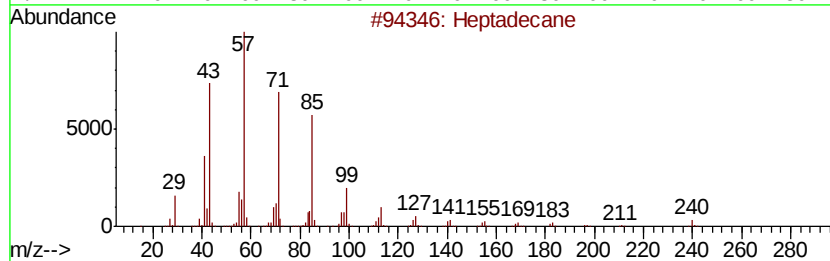
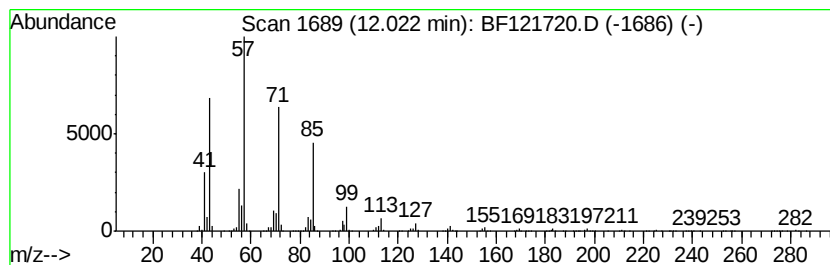
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Eicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	23.65 ng	1356770	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	97
2		Eicosane	282	C20H42	000112-95-8	95
3		Pentadecane	212	C15H32	000629-62-9	91
4		Nonadecane	268	C19H40	000629-92-5	91
5		Octadecane	254	C18H38	000593-45-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

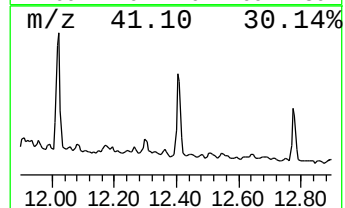
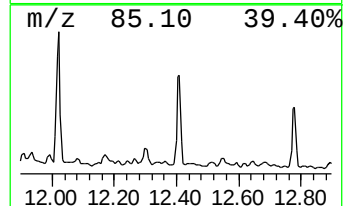
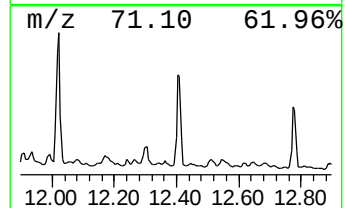
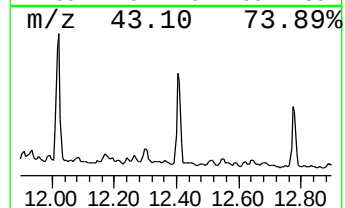
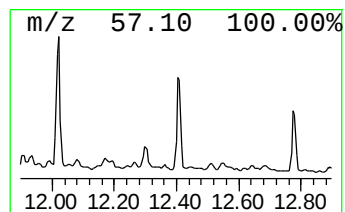
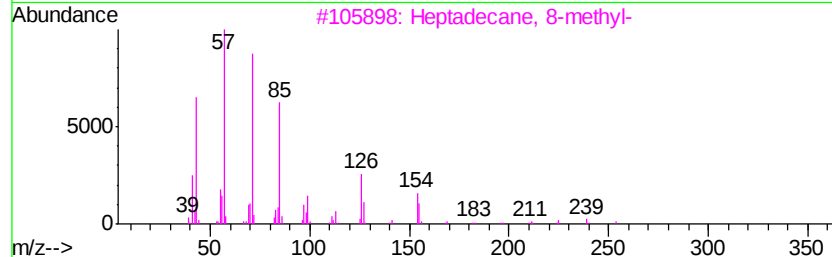
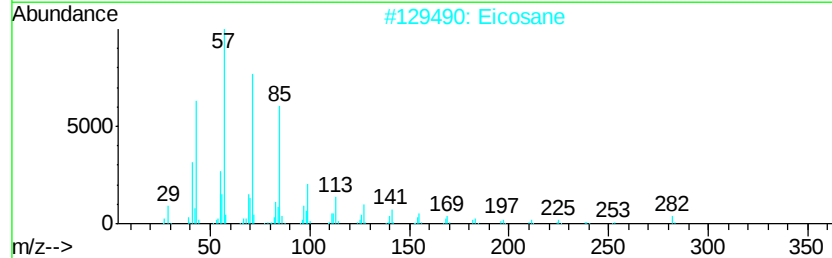
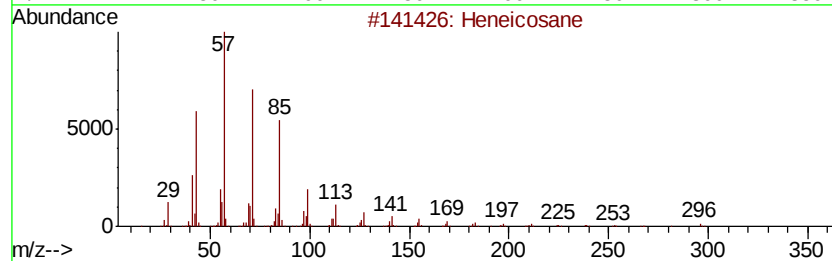
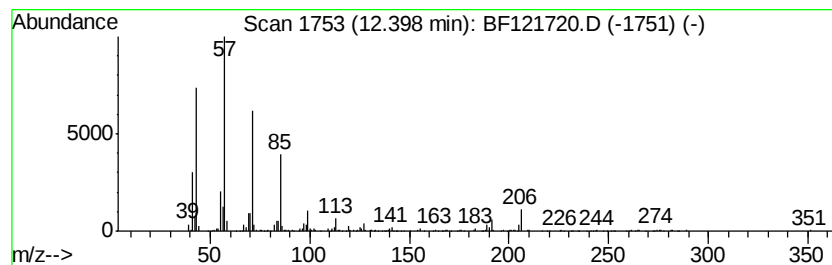
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Heneicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	18.24 ng	1046810	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	96
2		Eicosane	282	C20H42	000112-95-8	94
3		Heptadecane, 8-methyl-	254	C18H38	013287-23-5	91
4		Heptacosane	380	C27H56	000593-49-7	91
5		Tetracosane	338	C24H50	000646-31-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121720.D
Acq On : 28 Sep 2020 19:15
Operator : JU/CG
Sample : L4154-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-1

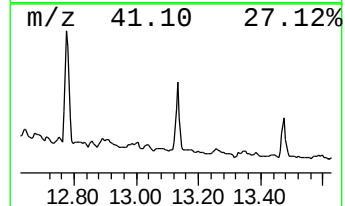
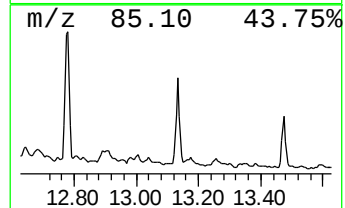
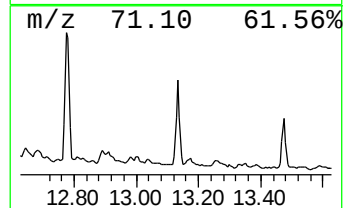
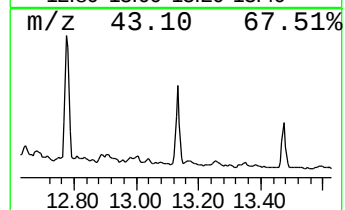
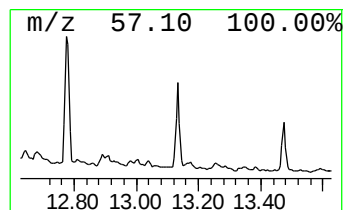
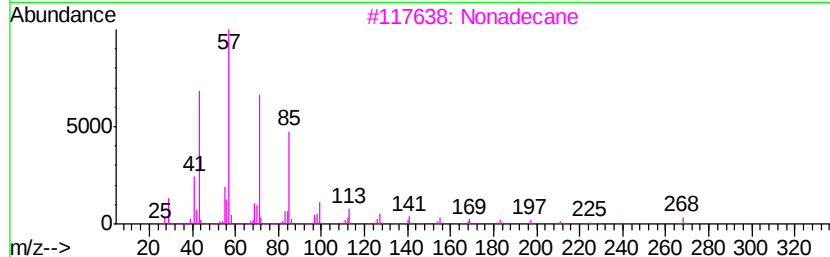
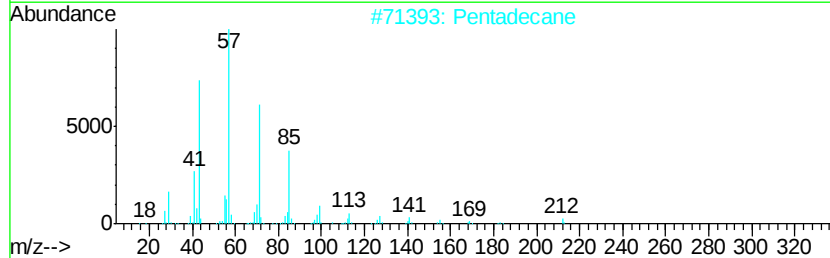
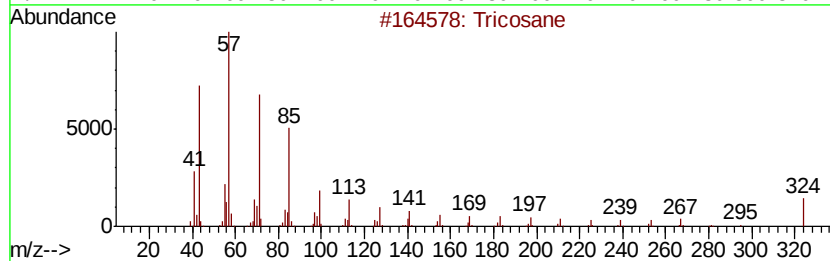
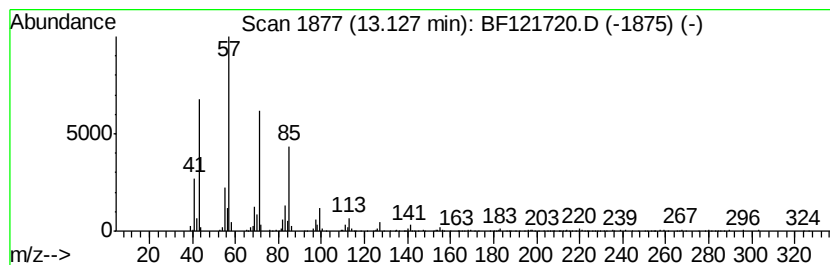
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Tricosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	8.19 ng	414706	Chrysene-d12	13.96

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricosane	324	C23H48	000638-67-5	93
2			Pentadecane	212	C15H32	000629-62-9	91
3			Nonadecane	268	C19H40	000629-92-5	91
4			Tetracosane	338	C24H50	000646-31-1	91
5			Hexadecane	226	C16H34	000544-76-3	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092820\
 Data File : BF121720.D
 Acq On : 28 Sep 2020 19:15
 Operator : JU/CG
 Sample : L4154-04 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Undecane, 2,6-dim...	8.15	12.8	ng	575401	2	8.08	900977	20.0
unknown8.37	8.37	9.1	ng	410414	2	8.08	900977	20.0
Dodecane, 2-methyl-	8.46	8.3	ng	374764	2	8.08	900977	20.0
Dodecane, 4,6-dim...	8.50	20.8	ng	934959	2	8.08	900977	20.0
Tetradecane	8.67	39.2	ng	1765780	2	8.08	900977	20.0
unknown8.77	8.77	8.1	ng	364476	2	8.08	900977	20.0
Tridecane, 6-methyl-	9.24	41.9	ng	3015010	3	9.83	1437960	20.0
Heptadecane, 7-me...	9.56	29.3	ng	2103020	3	9.83	1437960	20.0
Tridecane	9.77	38.6	ng	2776250	3	9.83	1437960	20.0
Decane, 5-propyl-	10.09	12.3	ng	884180	3	9.83	1437960	20.0
Hexadecane	10.27	36.0	ng	2591910	3	9.83	1437960	20.0
Undecane, 5-ethyl-	10.49	29.2	ng	2096340	3	9.83	1437960	20.0
Heptadecane	10.75	58.8	ng	3371130	4	11.32	1147580	20.0
Octadecane	11.19	36.3	ng	2083240	4	11.32	1147580	20.0
Hexacosane	11.22	29.5	ng	1692210	4	11.32	1147580	20.0
Nonadecane	11.56	7.8	ng	445126	4	11.32	1147580	20.0
Bacchotricuneatin c	11.62	31.1	ng	1783040	4	11.32	1147580	20.0
Eicosane	12.02	23.6	ng	1356770	4	11.32	1147580	20.0
Heneicosane	12.40	18.2	ng	1046810	4	11.32	1147580	20.0
Tricosane	13.13	8.2	ng	414706	5	13.96	1013040	20.0