

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100220\
 Data File : BF121797.D
 Acq On : 2 Oct 2020 16:41
 Operator : JU/CG
 Sample : L4213-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-17(13-15)

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	5.381	556	560	569	rBV	2467793	2406989	41.40%	1.860%
2	6.404	728	734	737	rBV	2546364	2510818	43.19%	1.940%
3	6.763	791	795	796	rBV	795840	693533	11.93%	0.536%
4	7.157	858	862	865	rBV	456668	457381	7.87%	0.353%
5	7.304	879	887	888	rBV2	325037	584415	10.05%	0.452%
6	7.328	888	891	895	rVB	1675628	1420673	24.43%	1.098%
7	7.363	895	897	900	rVB	855304	683287	11.75%	0.528%
8	7.410	900	905	908	rVB5	390712	661219	11.37%	0.511%
9	7.475	908	916	921	rBV4	302478	814887	14.02%	0.630%
10	7.545	925	928	930	rBV2	477750	393653	6.77%	0.304%
11	7.569	930	932	935	rVB2	560256	453160	7.79%	0.350%
12	7.686	949	952	956	rVB3	663016	692879	11.92%	0.535%
13	7.734	956	960	962	rBV2	378269	447701	7.70%	0.346%
14	7.798	968	971	975	rBV3	408489	531411	9.14%	0.411%
15	7.986	1001	1003	1008	rBV3	273006	518621	8.92%	0.401%
16	8.034	1008	1011	1016	rBV2	1826859	2397516	41.24%	1.853%
17	8.110	1020	1024	1027	rVB	1503607	1629801	28.03%	1.259%
18	8.339	1058	1063	1066	rVV6	695518	1038029	17.85%	0.802%
19	8.392	1070	1072	1075	rVB3	516384	450288	7.74%	0.348%
20	8.428	1075	1078	1082	rVB3	735364	806258	13.87%	0.623%
21	8.475	1082	1086	1090	rBV	2535695	3139846	54.00%	2.426%
22	8.510	1090	1092	1095	rVB3	708749	664634	11.43%	0.514%
23	8.592	1102	1106	1111	rBV7	353327	554842	9.54%	0.429%
24	8.645	1111	1115	1119	rBV	2433457	2444825	42.05%	1.889%
25	8.739	1127	1131	1134	rVB	1031264	1218467	20.96%	0.942%
26	8.798	1137	1141	1143	rBV3	398910	459851	7.91%	0.355%
27	8.928	1160	1163	1165	rBV2	647083	750692	12.91%	0.580%
28	9.010	1173	1177	1179	rBV2	613622	687047	11.82%	0.531%
29	9.045	1180	1183	1185	rVV2	691910	731368	12.58%	0.565%
30	9.075	1185	1188	1191	rVV	2499928	2253851	38.77%	1.742%
31	9.128	1192	1197	1201	rVB	2576710	2951413	50.76%	2.281%
32	9.210	1206	1211	1215	rBV	3029389	3906776	67.19%	3.019%
33	9.251	1215	1218	1220	rBV2	450290	557089	9.58%	0.431%
34	9.463	1251	1254	1256	rBV2	608332	533551	9.18%	0.412%

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35	9.516	1259	1263	1264	rBV2	2905942	2917227	50.18%	2.254%
36	9.533	1264	1266	1268	rVB	2356777	1802404	31.00%	1.393%
37	9.669	1285	1289	1292	rBV3	1290344	1503223	25.85%	1.162%
38	9.716	1293	1297	1299	rVV	2013607	2160584	37.16%	1.670%
39	9.739	1299	1301	1305	rVV	3195487	2814164	48.40%	2.175%
40	9.780	1305	1308	1310	rVV2	886198	1164532	20.03%	0.900%
41	9.804	1310	1312	1315	rVB	1191534	971712	16.71%	0.751%
42	9.839	1316	1318	1321	rBV3	570865	590298	10.15%	0.456%
43	9.910	1328	1330	1334	rVB	497740	513114	8.83%	0.397%
44	9.963	1337	1339	1342	rVV3	535790	673184	11.58%	0.520%
45	9.998	1342	1345	1347	rVV2	1092709	992017	17.06%	0.767%
46	10.063	1352	1356	1359	rBV2	1007478	1281348	22.04%	0.990%
47	10.122	1363	1366	1371	rBV2	988840	1198088	20.61%	0.926%
48	10.175	1372	1375	1378	rBV2	597285	630675	10.85%	0.487%
49	10.210	1378	1381	1382	rBV3	735670	754122	12.97%	0.583%
50	10.239	1382	1386	1388	rVV2	3145206	3022970	51.99%	2.336%
51	10.345	1401	1404	1406	rBV2	453887	473318	8.14%	0.366%
52	10.457	1417	1423	1429	rVV2	2448589	3154252	54.25%	2.438%
53	10.504	1429	1431	1435	rVV3	524953	628253	10.81%	0.486%
54	10.539	1435	1437	1440	rVV3	388808	452800	7.79%	0.350%
55	10.575	1440	1443	1444	rVV	882404	877403	15.09%	0.678%
56	10.592	1444	1446	1449	rVV2	1848142	1672589	28.77%	1.293%
57	10.622	1449	1451	1457	rVB3	539954	882811	15.18%	0.682%
58	10.727	1462	1469	1472	rBV2	3501877	5814093	100.00%	4.493%
59	10.898	1496	1498	1500	rVV3	572963	504936	8.68%	0.390%
60	10.927	1500	1503	1506	rVB4	646505	779362	13.40%	0.602%
61	11.157	1539	1542	1544	rVV	2654467	2469778	42.48%	1.909%
62	11.186	1544	1547	1553	rVB	1780965	1936444	33.31%	1.496%
63	11.286	1561	1564	1566	rBV	857203	873253	15.02%	0.675%
64	11.316	1566	1569	1572	rVV	1598377	1606629	27.63%	1.242%
65	11.363	1575	1577	1580	rVB	651888	519841	8.94%	0.402%
66	11.404	1580	1584	1586	rBV3	402828	543399	9.35%	0.420%
67	11.580	1611	1614	1617	rVB	2015307	1762930	30.32%	1.362%
68	11.786	1647	1649	1652	rVV	652709	667212	11.48%	0.516%
69	11.816	1652	1654	1657	rVV	835326	768212	13.21%	0.594%
70	11.898	1665	1668	1671	rVV	871306	1086095	18.68%	0.839%
71	11.922	1671	1672	1676	rVB2	535340	399808	6.88%	0.309%

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72	11.992	1681	1684	1687	rBV	1525608	1284469	22.09%	0.993%
73	12.345	1740	1744	1746	rBV	552671	639293	11.00%	0.494%
74	12.374	1746	1749	1752	rVV	1222355	1096835	18.87%	0.848%
75	12.427	1755	1758	1763	rVB2	374247	421900	7.26%	0.326%
76	12.510	1767	1772	1775	rVB	3201296	2976956	51.20%	2.301%
77	12.733	1804	1810	1815	rVV	3144961	4128504	71.01%	3.190%
78	12.868	1830	1833	1841	rVB	2835286	2939079	50.55%	2.271%
79	12.945	1841	1846	1850	rBV3	289278	533689	9.18%	0.412%
80	13.051	1862	1864	1867	rVB	511032	505666	8.70%	0.391%
81	13.098	1867	1872	1874	rBV2	407625	411437	7.08%	0.318%
82	13.157	1878	1882	1885	rBV2	467767	487621	8.39%	0.377%
83	13.563	1948	1951	1955	rVB	443331	426257	7.33%	0.329%
84	13.668	1965	1969	1972	rBV2	442636	528341	9.09%	0.408%
85	13.721	1976	1978	1983	rVV2	327634	479297	8.24%	0.370%
86	13.768	1983	1986	1994	rVB	932723	1014582	17.45%	0.784%
87	13.921	2005	2012	2015	rBV2	2411727	3698186	63.61%	2.858%
88	13.951	2015	2017	2024	rVB	2104187	2077506	35.73%	1.605%
89	14.086	2035	2040	2043	rVV3	251107	443465	7.63%	0.343%
90	14.310	2075	2078	2080	rVV	534186	512328	8.81%	0.396%
91	14.392	2088	2092	2096	rVV3	351426	593214	10.20%	0.458%
92	14.957	2182	2188	2191	rBV	1939803	3402549	58.52%	2.629%
93	15.057	2201	2205	2208	rVB	407581	425108	7.31%	0.329%
94	15.245	2232	2237	2243	rVB	1242688	1749399	30.09%	1.352%
95	15.310	2243	2248	2252	rBV	1725517	2061793	35.46%	1.593%
96	15.368	2253	2258	2260	rVV	713852	999192	17.19%	0.772%
97	15.392	2260	2262	2269	rVB2	564772	733979	12.62%	0.567%
98	16.786	2491	2499	2505	rVB	886554	1688999	29.05%	1.305%
99	17.215	2564	2572	2579	rVB	640423	1366720	23.51%	1.056%
100	17.433	2604	2609	2627	rVB2	162787	464465	7.99%	0.359%

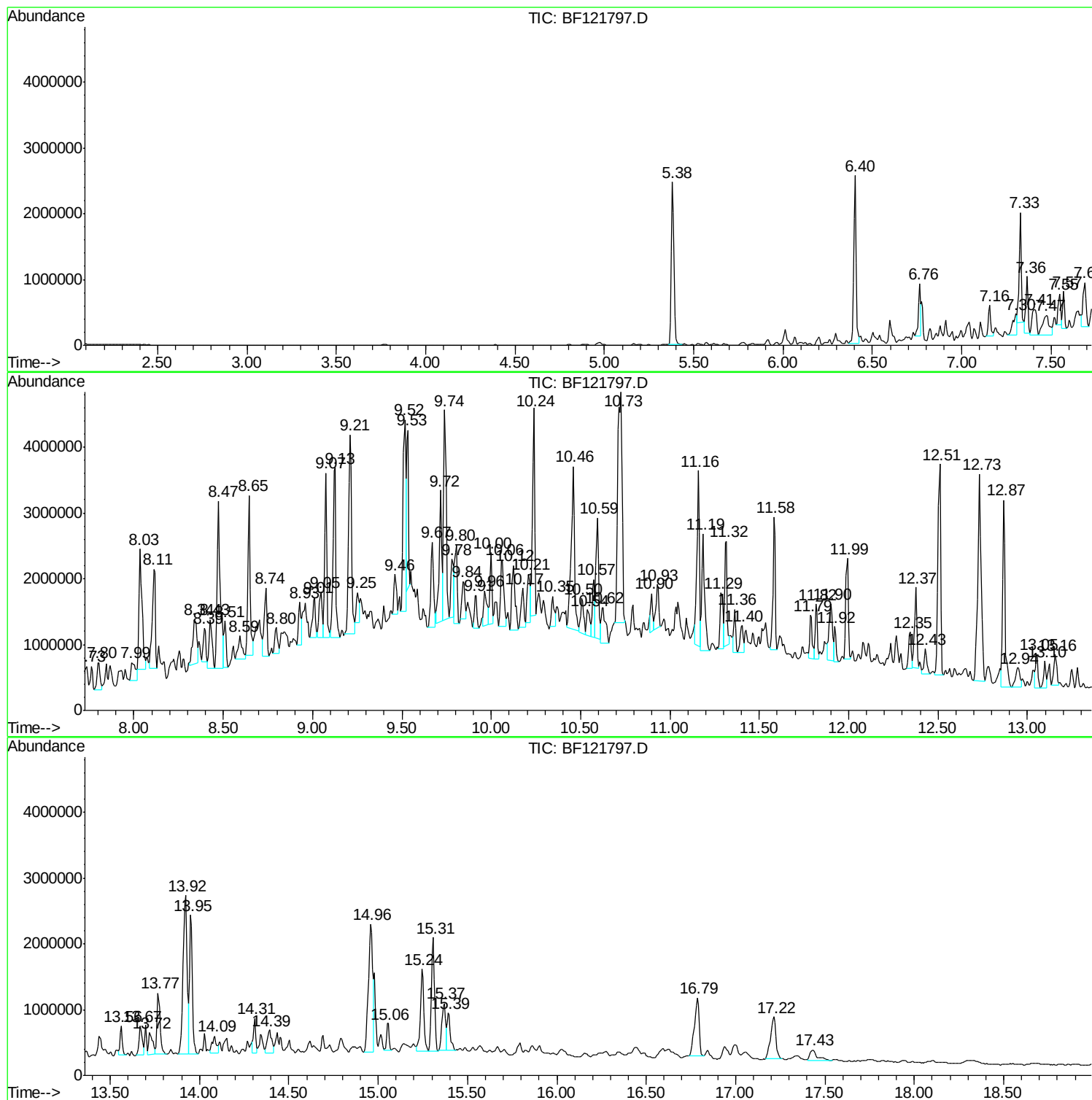
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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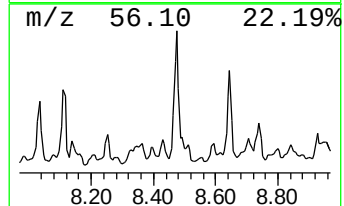
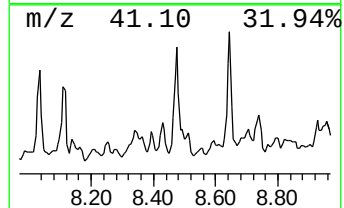
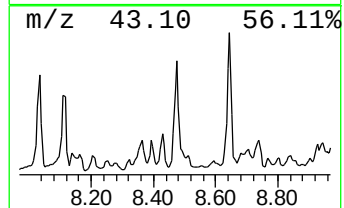
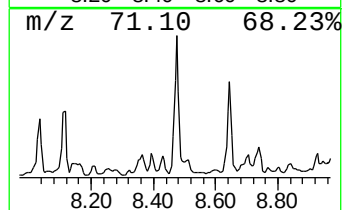
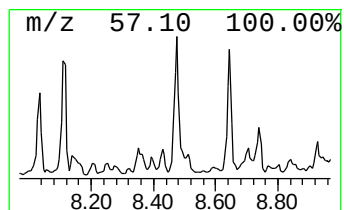
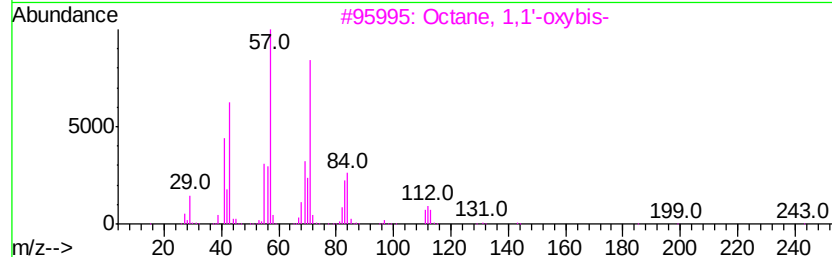
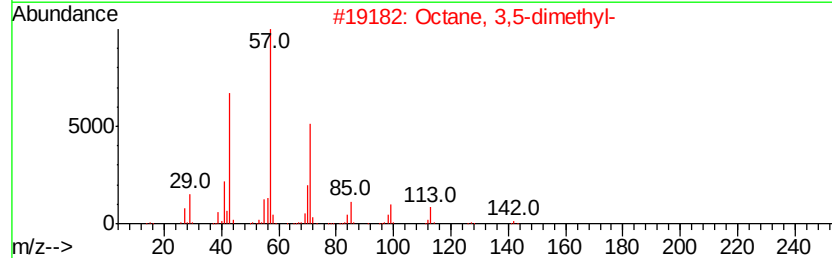
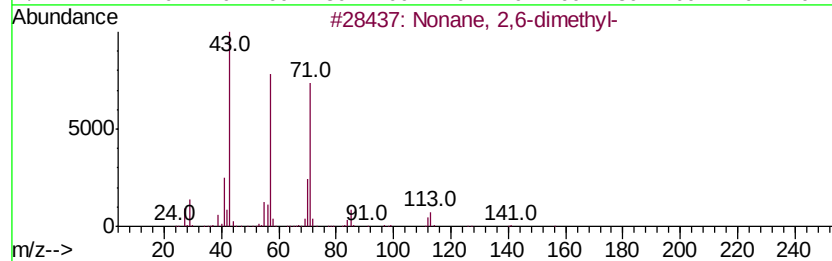
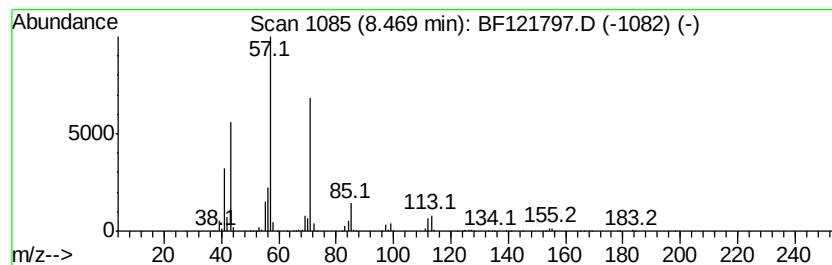
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	26.19 ng	3139850	Naphthalene-d8	8.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	86
2		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	78
3		Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	78
4		Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	72
5		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72



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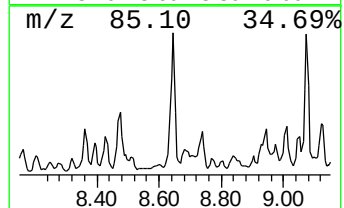
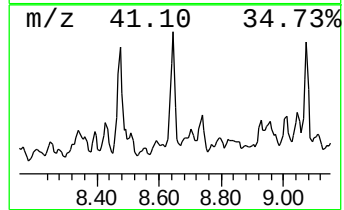
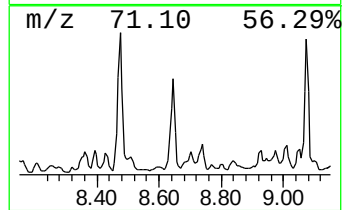
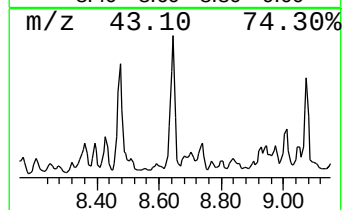
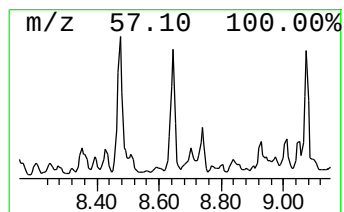
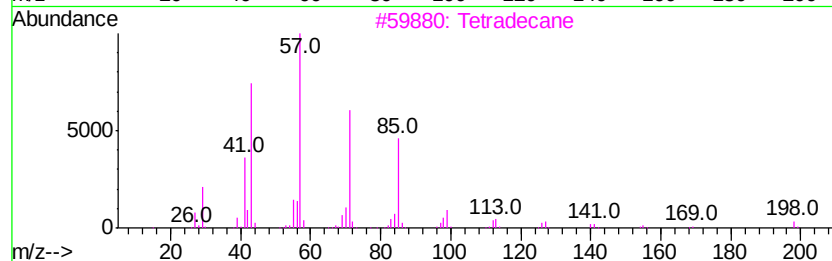
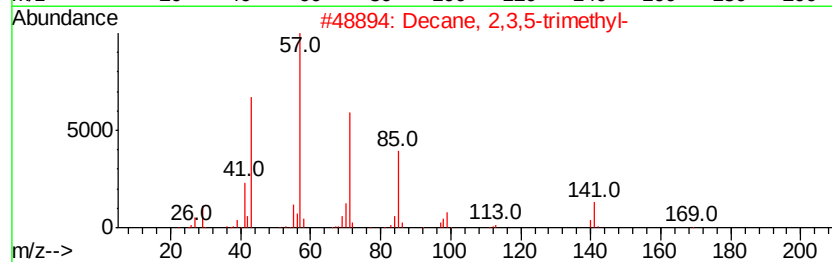
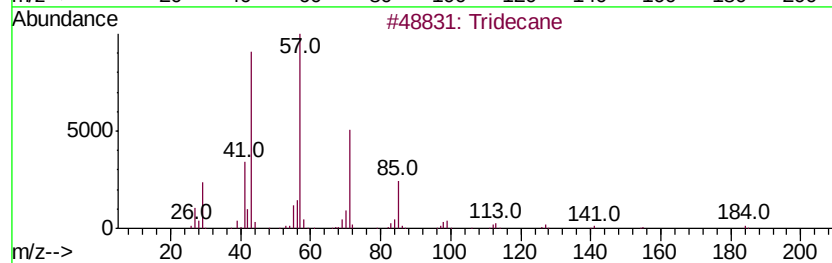
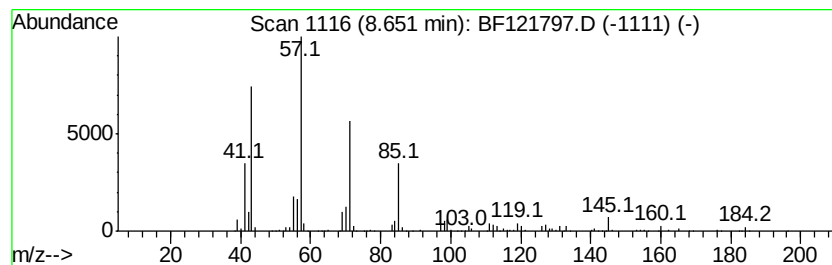
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Tridecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	20.39 ng	2444830	Naphthalene-d8	8.05
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Tridecane	184 C13H28	000629-50-5	93
2	Decane, 2,3,5-trimethyl-	184 C13H28	062238-11-3	86
3	Tetradecane	198 C14H30	000629-59-4	86
4	Hexadecane	226 C16H34	000544-76-3	86
5	Decane, 3,6-dimethyl-	170 C12H26	017312-53-7	72



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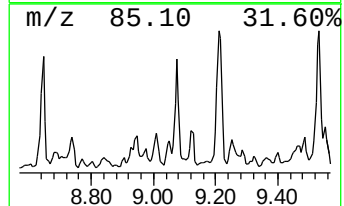
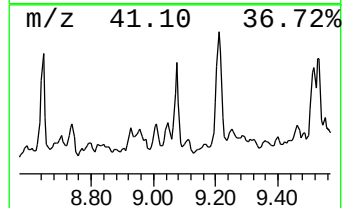
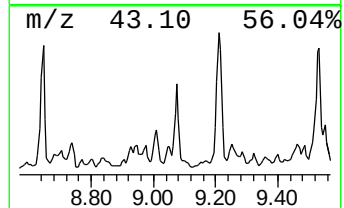
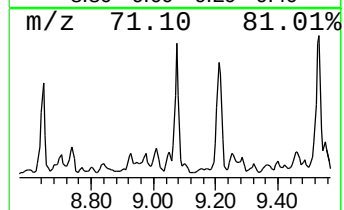
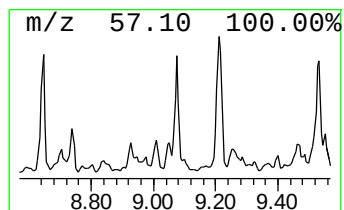
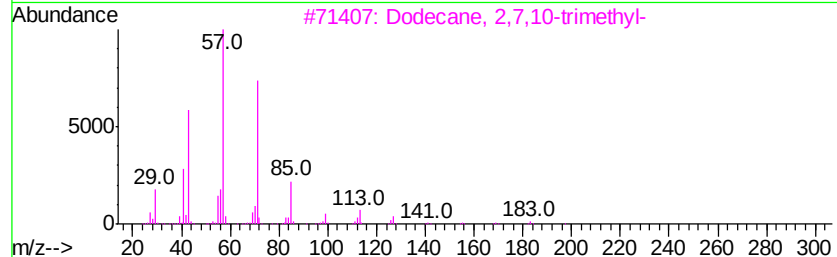
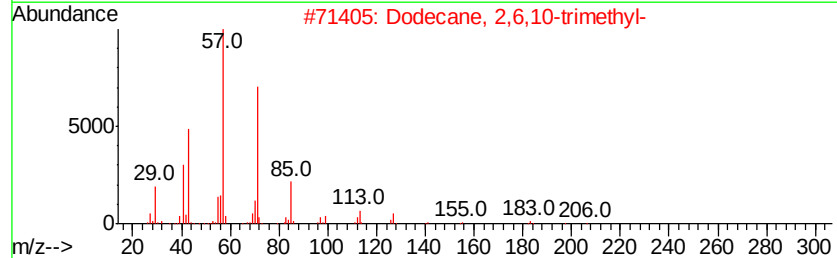
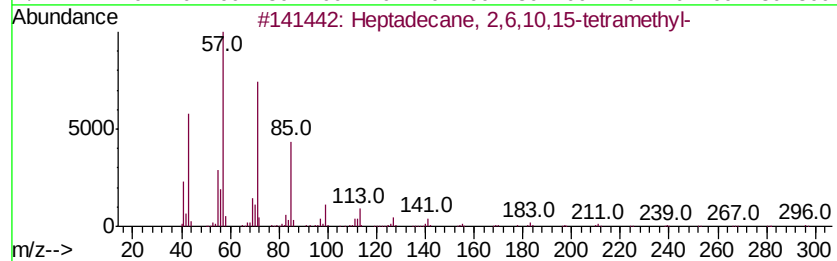
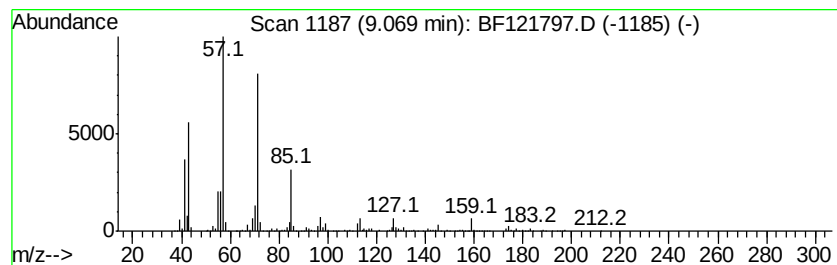
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Heptadecane, 2,6,10,15-tetr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	46.39 ng	2253850	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
5		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
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Operator : JU/CG
Sample : L4213-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-17(13-15)

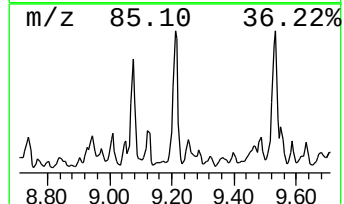
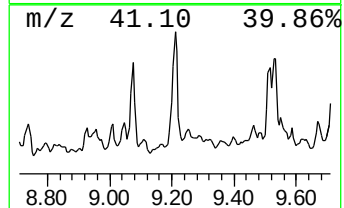
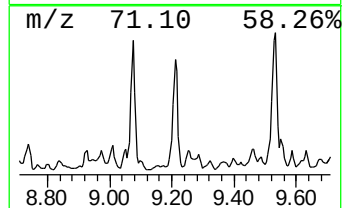
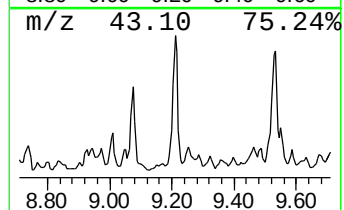
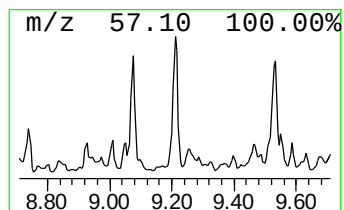
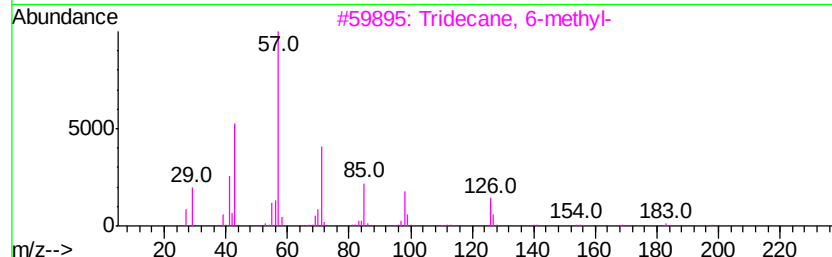
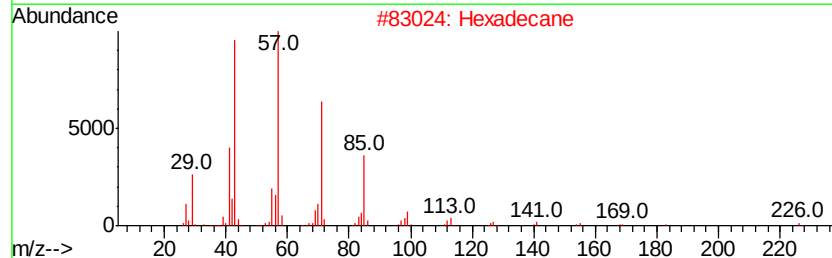
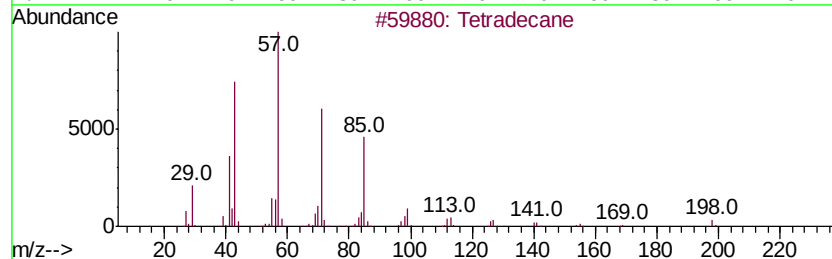
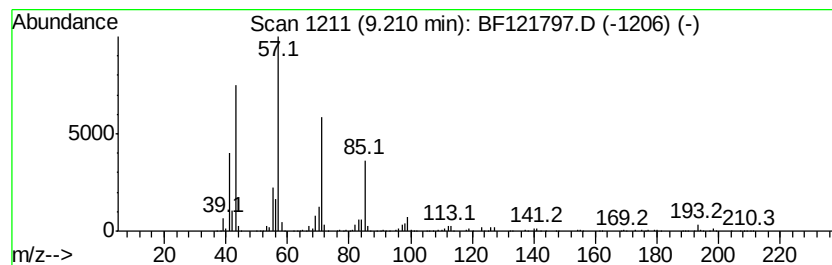
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Tetradecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	80.41 ng	3906780	Acenaphthene-d10	9.80

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	95
2		Hexadecane	226	C16H34	000544-76-3	91
3		Tridecane, 6-methyl-	198	C14H30	013287-21-3	74
4		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	72
5		Undecane	156	C11H24	001120-21-4	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
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ClientSampleId :
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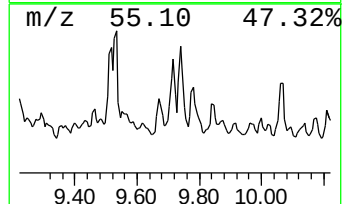
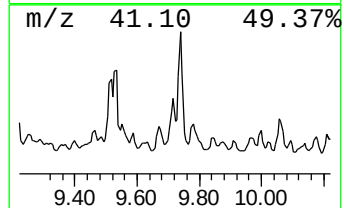
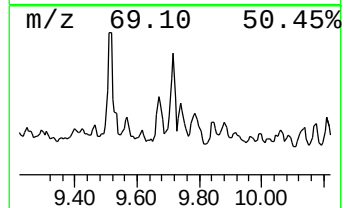
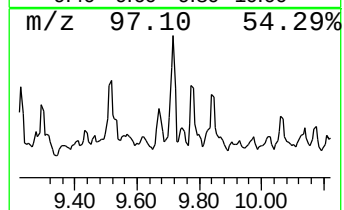
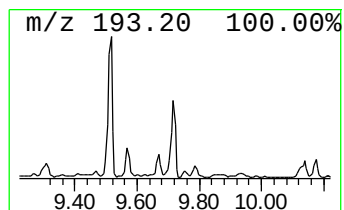
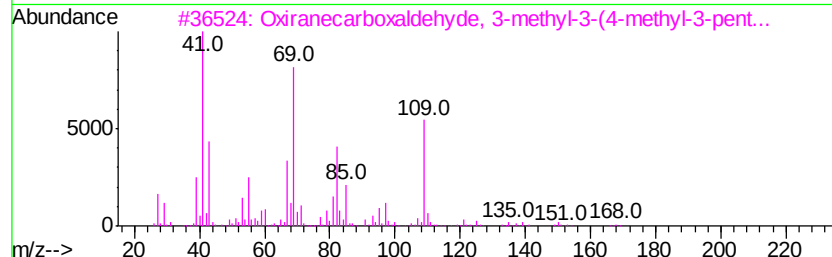
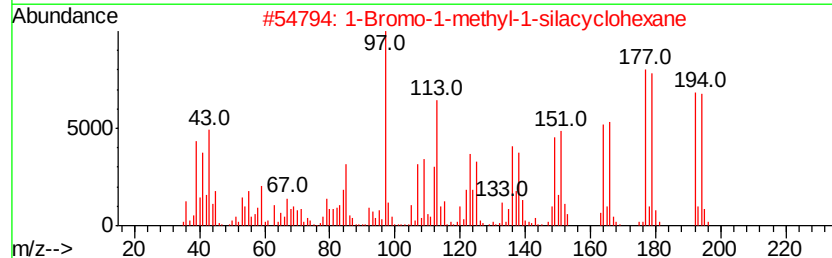
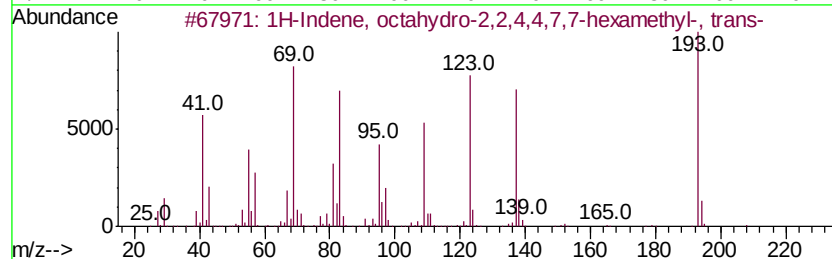
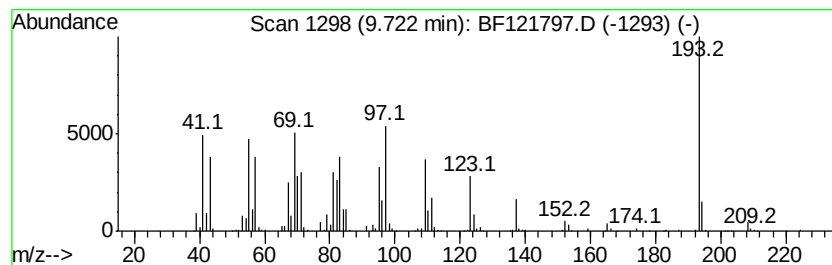
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1H-Indene, octahydro-2,2,4,4,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	44.47 ng	2160580	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	53
2		1-Bromo-1-methyl-1-silacyclohexane	192	C6H13BrSi	085125-32-2	25
3		Oxiranecarboxaldehyde, 3-methyl-...	168	C10H16O2	016996-12-6	25
4		1-Decene, 10-bromo-	218	C10H19Br	062871-09-4	22
5		2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121797.D
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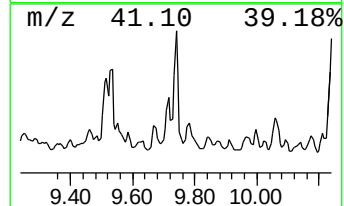
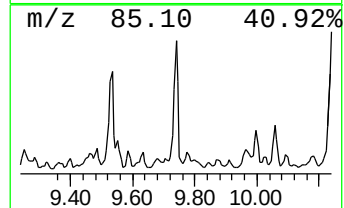
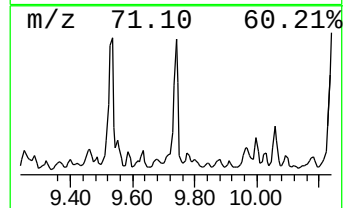
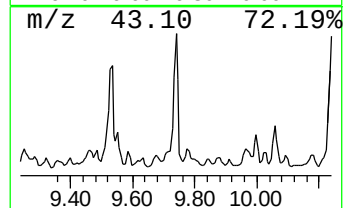
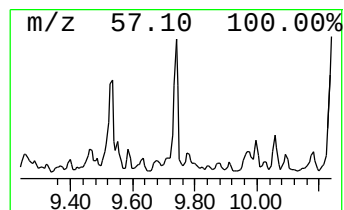
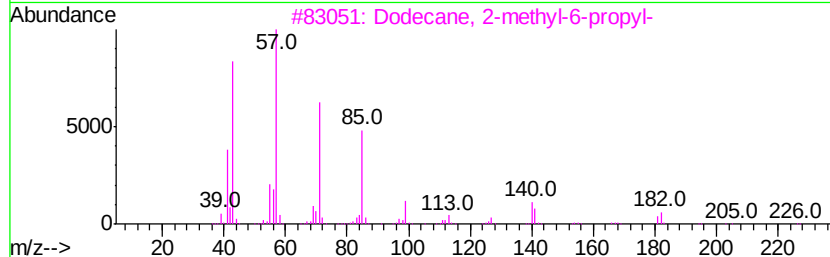
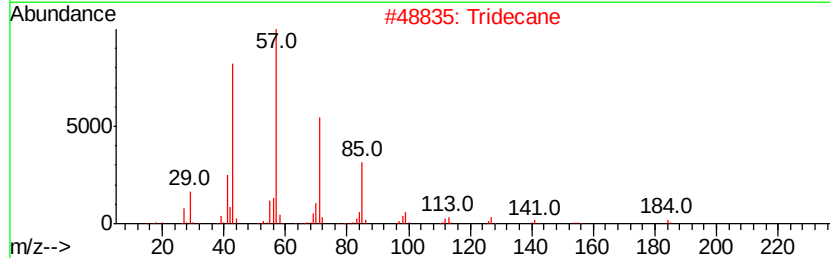
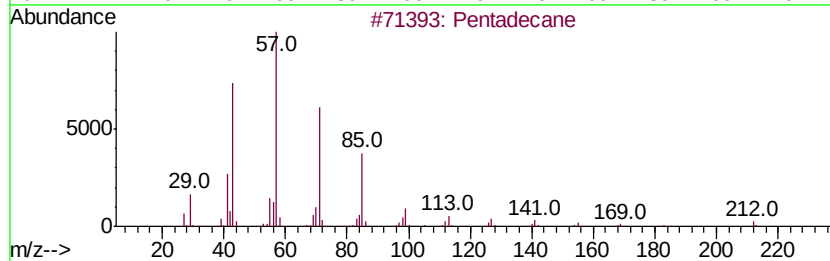
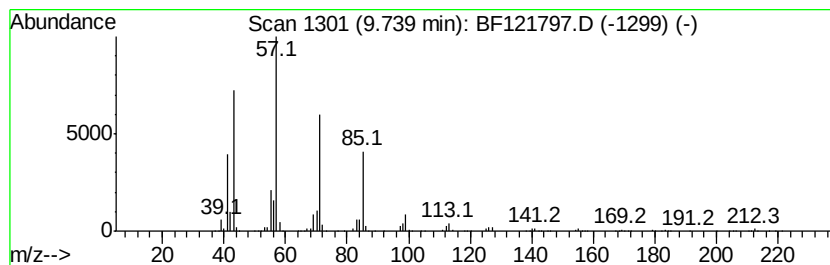
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Pentadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	57.92 ng	2814160	Acenaphthene-d10	9.80

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane		212	C15H32	000629-62-9	91
2	Tridecane		184	C13H28	000629-50-5	90
3	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	86
4	Tetradecane		198	C14H30	000629-59-4	83
5	Hexadecane		226	C16H34	000544-76-3	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
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Acq On : 2 Oct 2020 16:41
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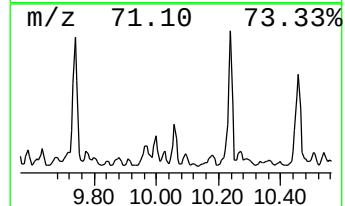
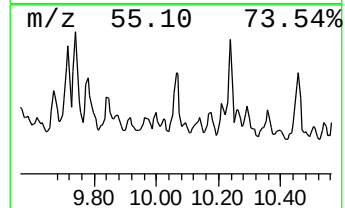
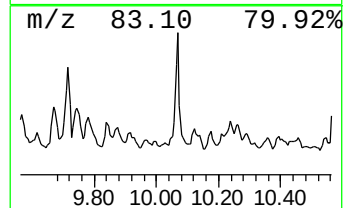
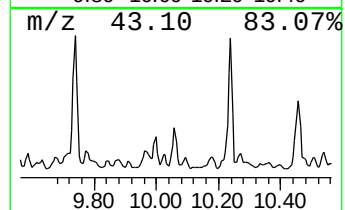
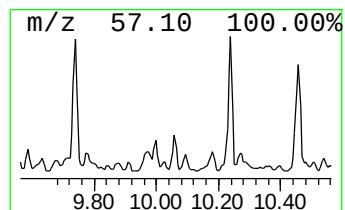
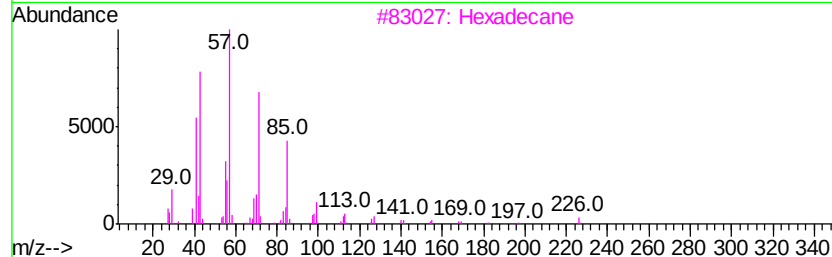
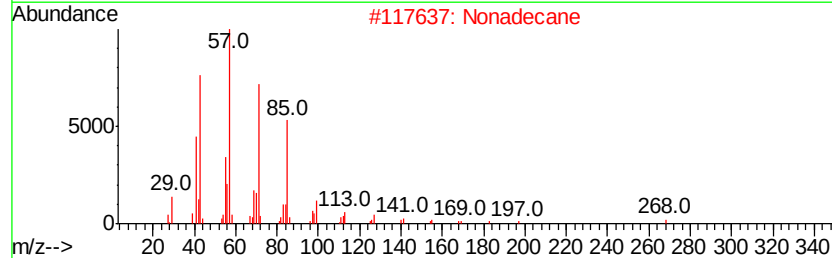
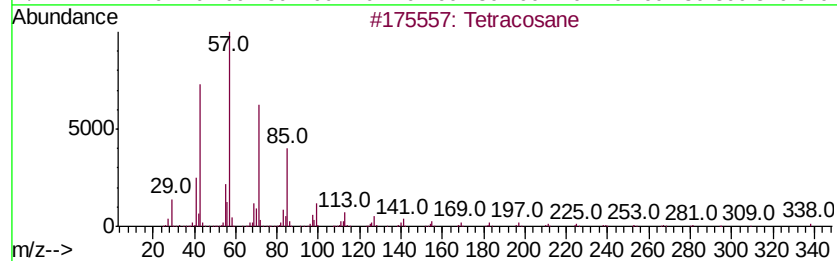
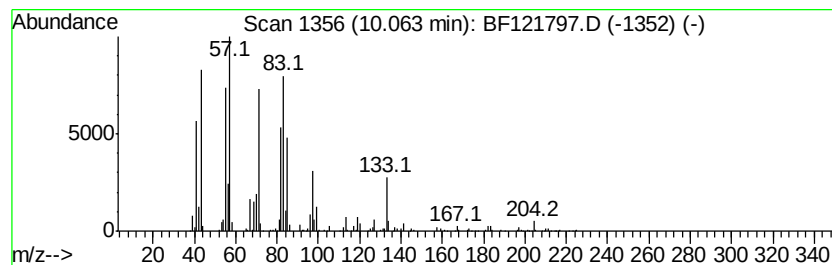
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown10.06 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	26.37 ng	1281350	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	49
2		Nonadecane	268	C19H40	000629-92-5	49
3		Hexadecane	226	C16H34	000544-76-3	49
4		Tetratetracontane	619	C44H90	007098-22-8	46
5		Octadecane, 2-methyl-	268	C19H40	001560-88-9	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121797.D
Acq On : 2 Oct 2020 16:41
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Misc :
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Instrument :
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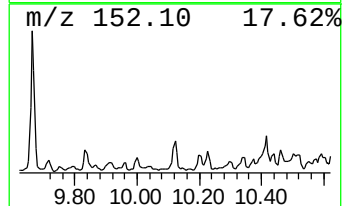
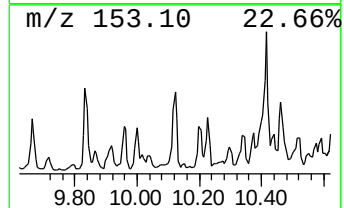
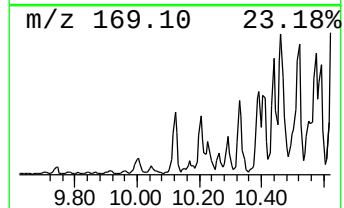
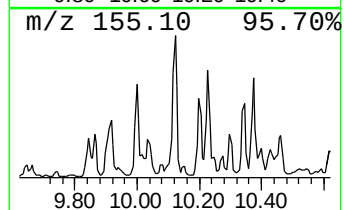
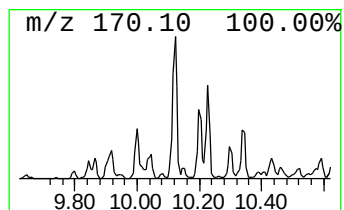
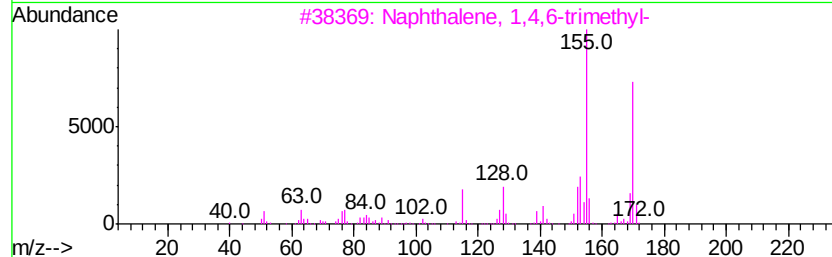
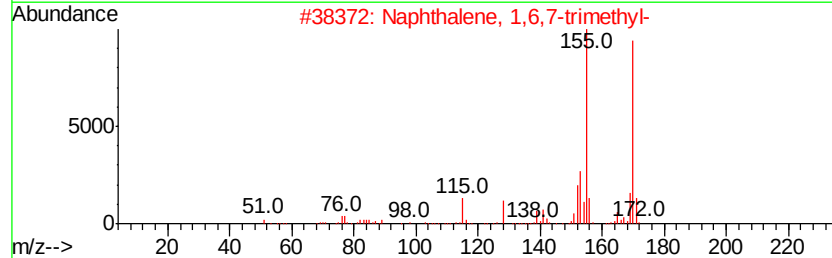
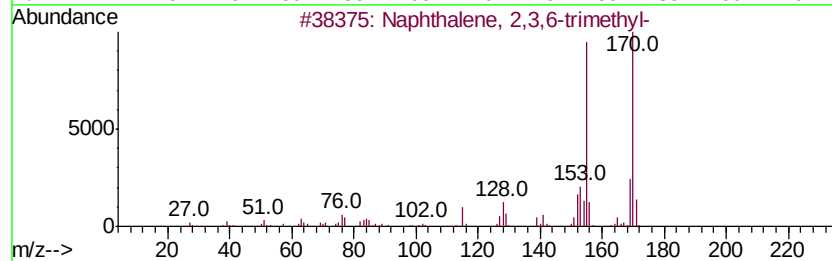
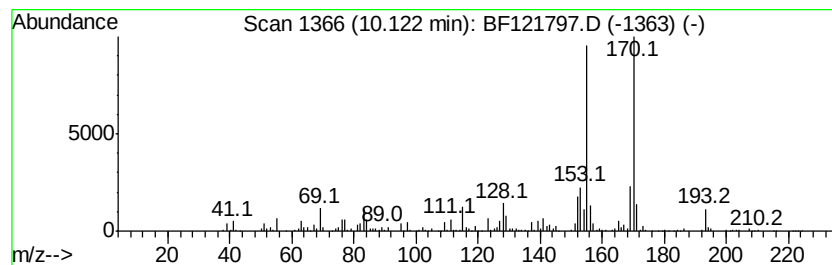
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	24.66 ng	1198090	Acenaphthene-d10	9.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5		1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
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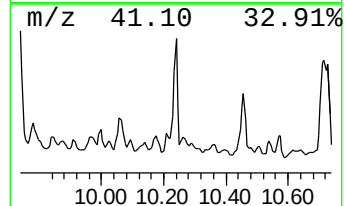
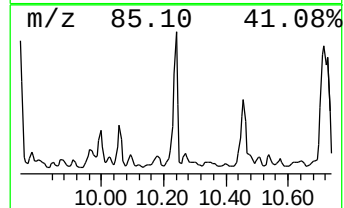
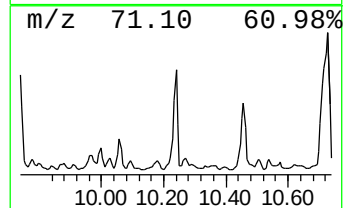
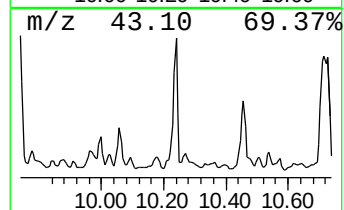
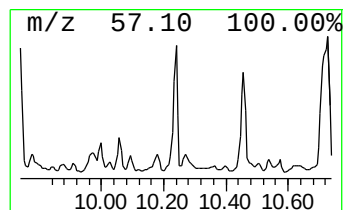
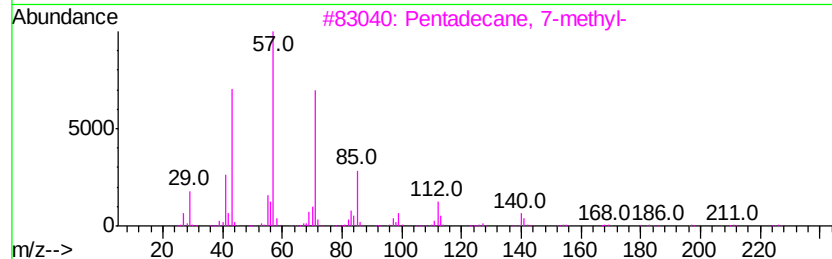
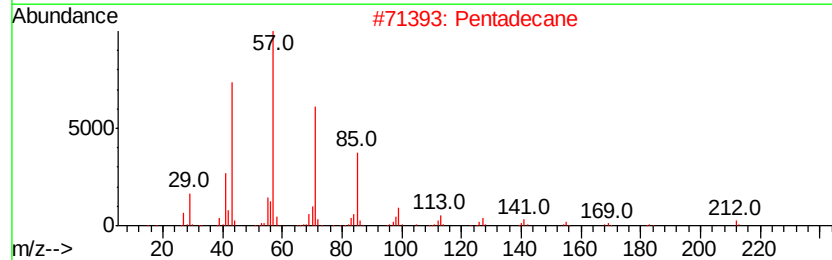
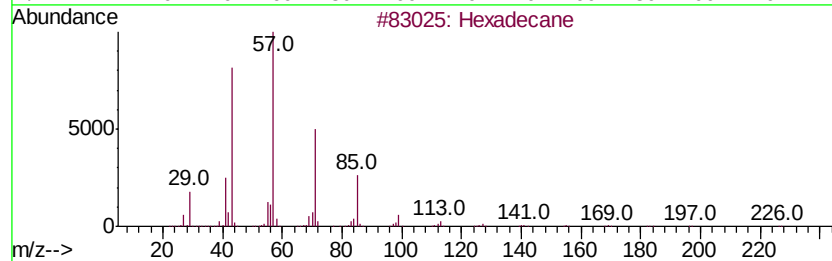
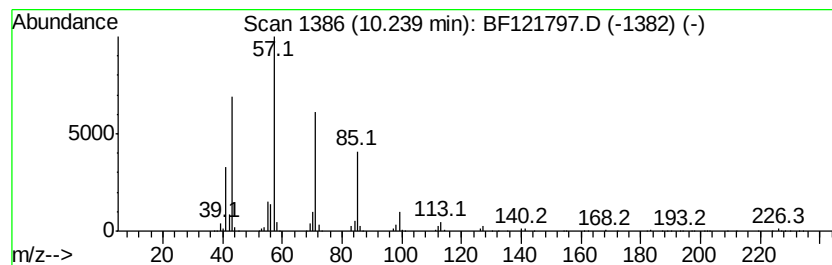
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	62.22 ng	3022970	Acenaphthene-d10	9.80
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	95
2	Pentadecane	212 C15H32	000629-62-9	91
3	Pentadecane, 7-methyl-	226 C16H34	006165-40-8	87
4	10-Methylnonadecane	282 C20H42	056862-62-5	83
5	Tetratetracontane	619 C44H90	007098-22-8	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
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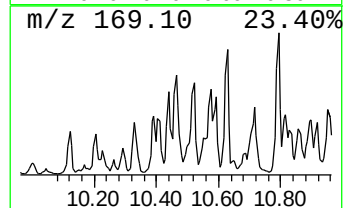
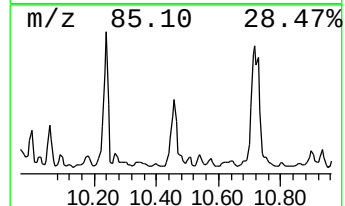
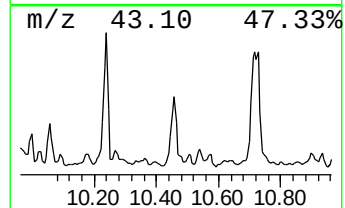
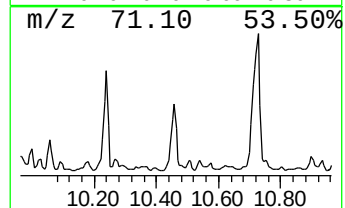
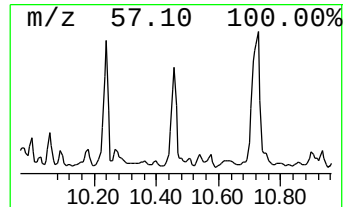
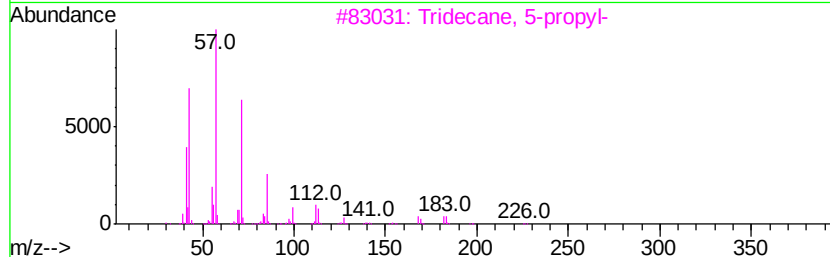
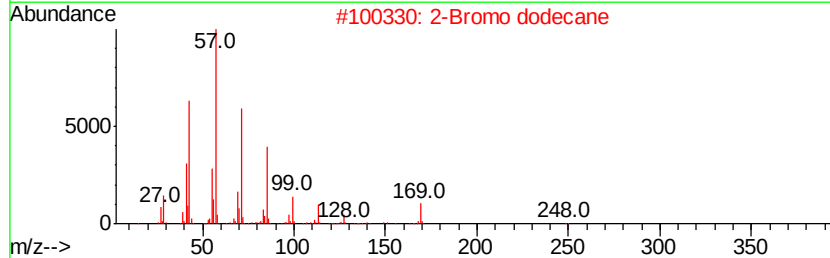
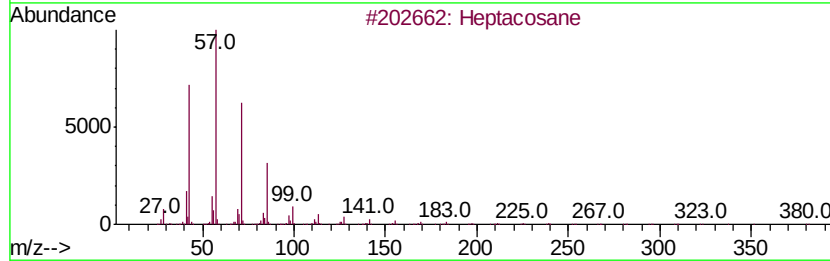
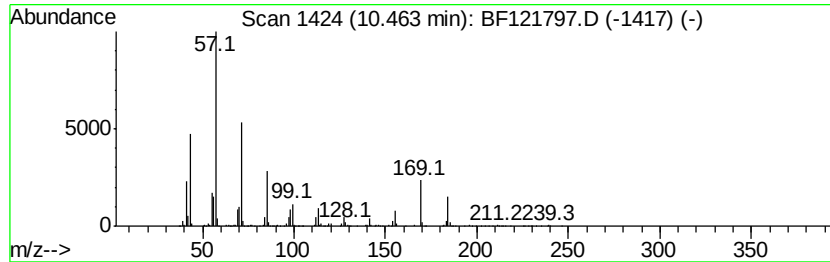
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heptacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	64.92 ng	3154250	Acenaphthene-d10	9.80
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptacosane	380 C27H56	000593-49-7	80
2	2-Bromo dodecane	248 C12H25Br	013187-99-0	72
3	Tridecane, 5-propyl-	226 C16H34	055045-11-9	72
4	Heptadecane, 2,6,10,15-tetramethyl-	296 C21H44	054833-48-6	64
5	Eicosane	282 C20H42	000112-95-8	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
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Acq On : 2 Oct 2020 16:41
Operator : JU/CG
Sample : L4213-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

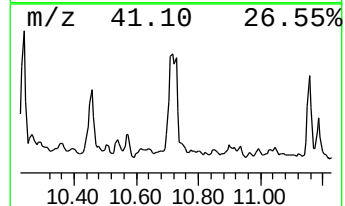
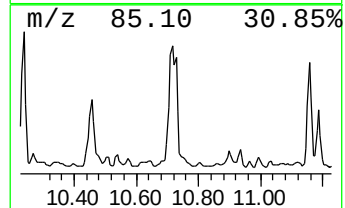
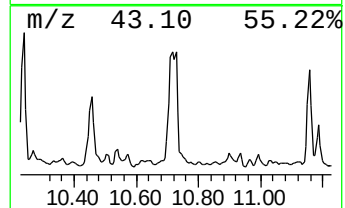
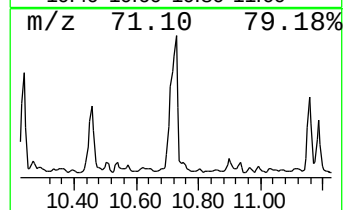
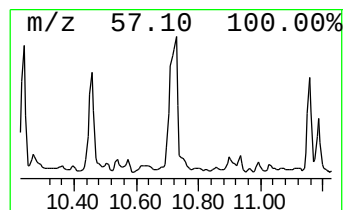
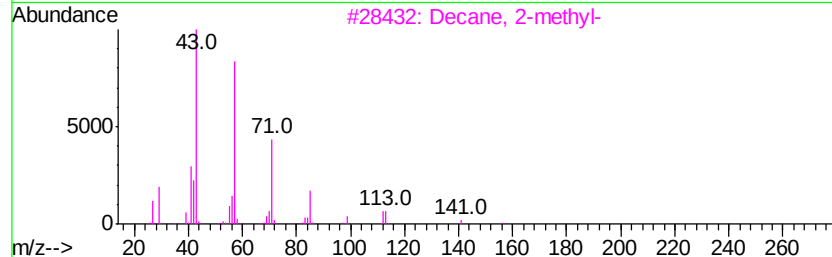
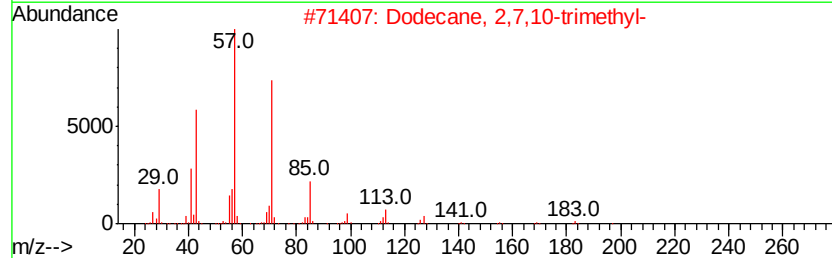
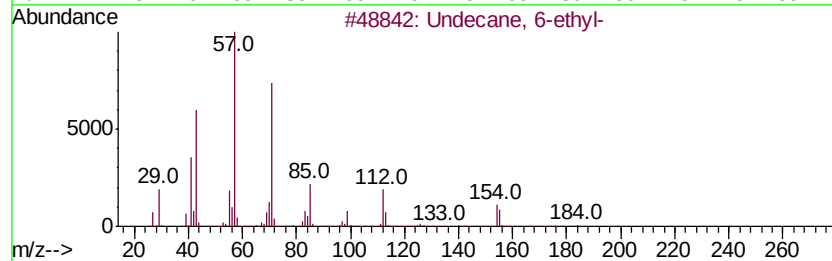
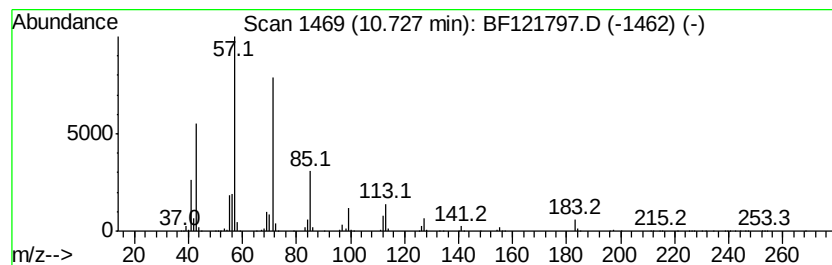
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Undecane, 6-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.73	133.16 ng	5814090	Phenanthrene-d10	11.29		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-ethyl-		184	C13H28	017312-60-6	87
2	Dodecane, 2,7,10-trimethyl-		212	C15H32	074645-98-0	86
3	Decane, 2-methyl-		156	C11H24	006975-98-0	86
4	Hexadecane, 2,6,10-trimethyl-		268	C19H40	055000-52-7	72
5	Dodecane, 2,6,11-trimethyl-		212	C15H32	031295-56-4	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
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ClientSampleId :
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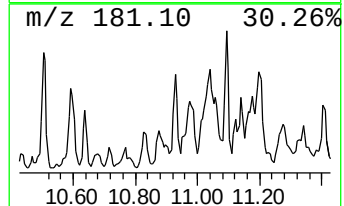
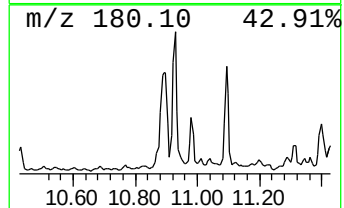
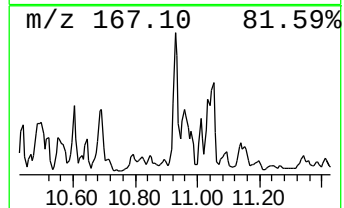
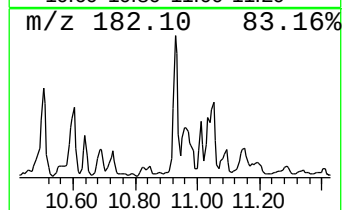
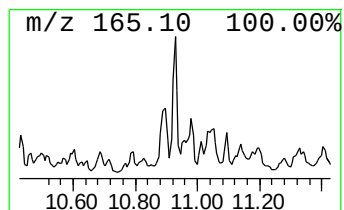
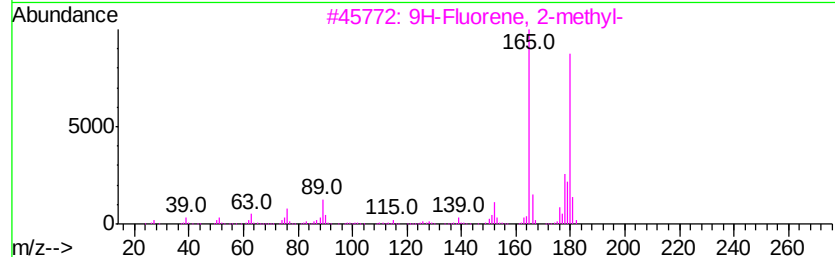
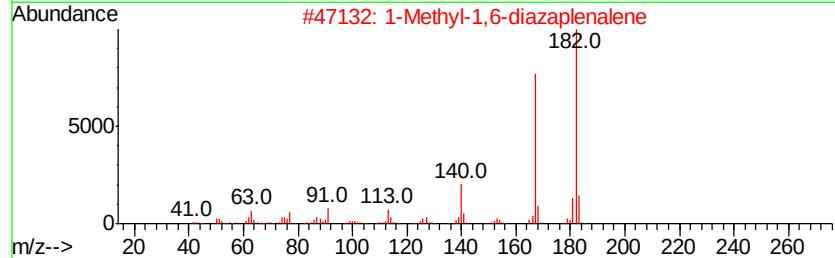
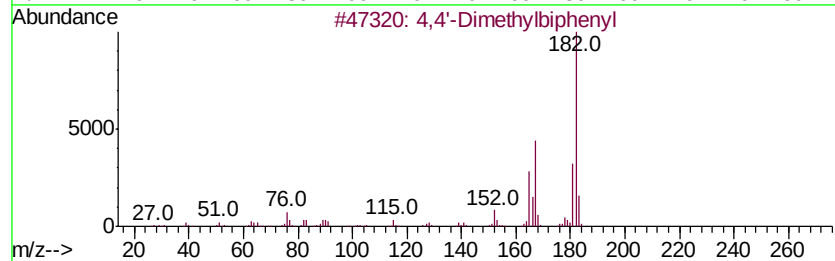
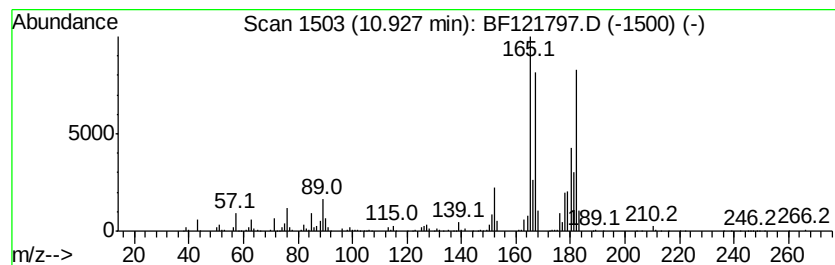
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4,4'-Dimethylbiphenyl Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	17.85 ng	779362	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	70
2		1-Methyl-1,6-diazaplenalene	182	C12H10N2	079691-99-9	43
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	42
4		Benzo[blselenophene	182	C8H6Se	000272-30-0	38
5		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
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Sample : L4213-12
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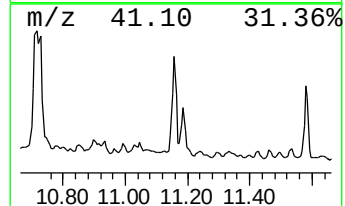
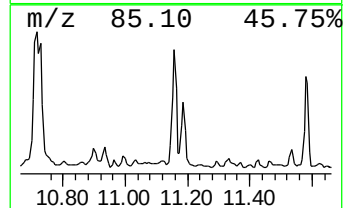
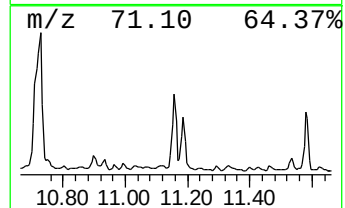
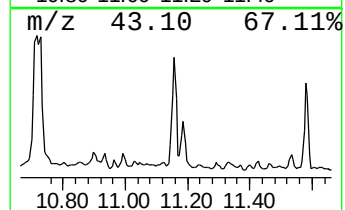
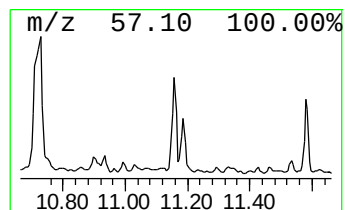
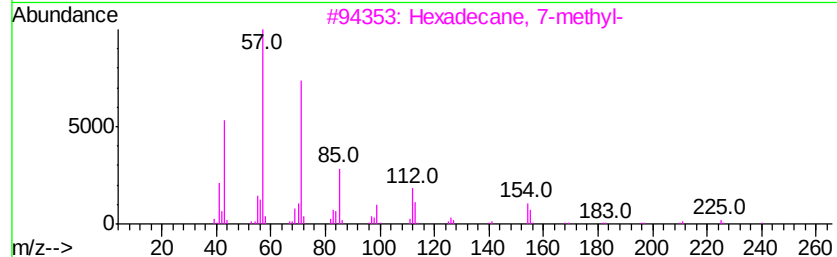
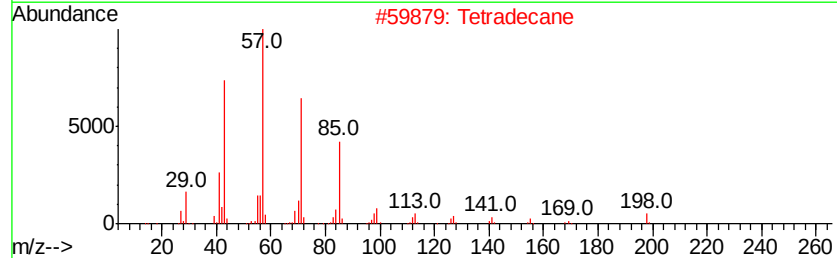
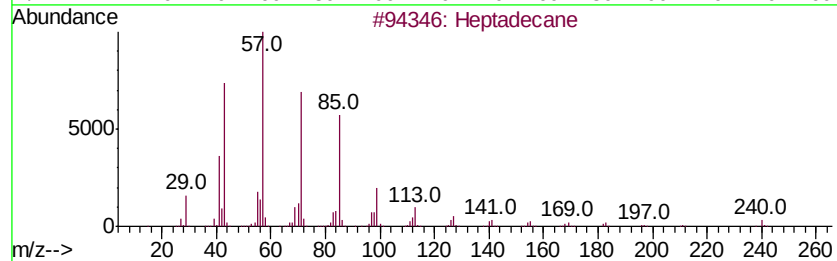
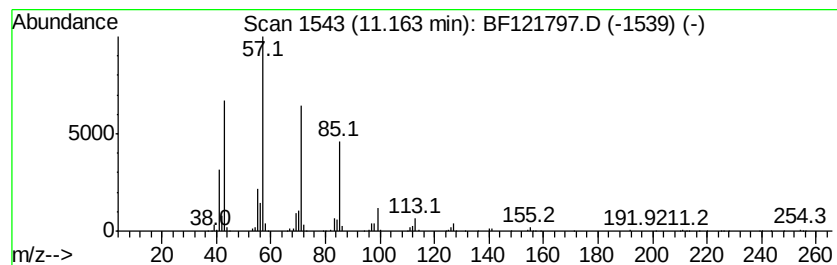
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.16	56.57 ng	2469780	Phenanthrene-d10		11.29
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Tetradecane	198	C14H30	000629-59-4	90
3	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	83
4	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	83
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121797.D
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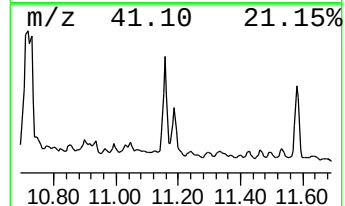
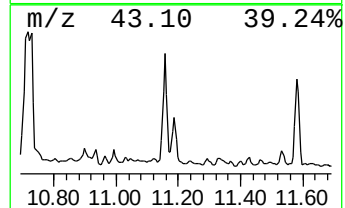
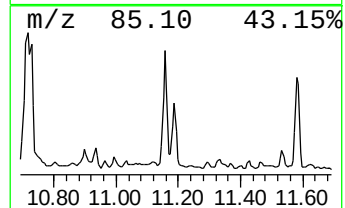
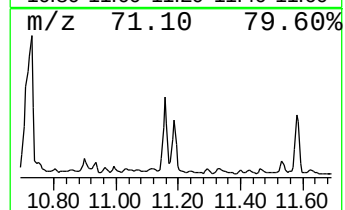
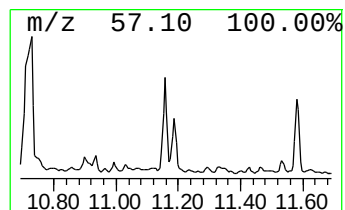
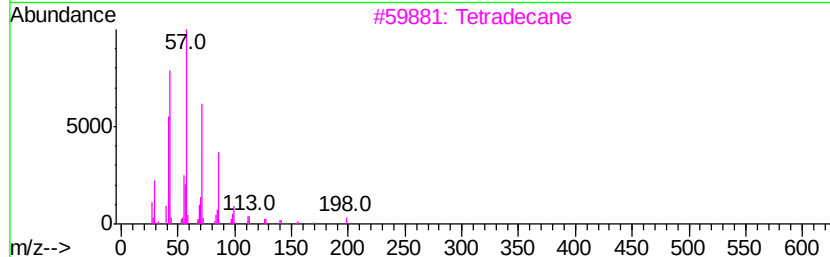
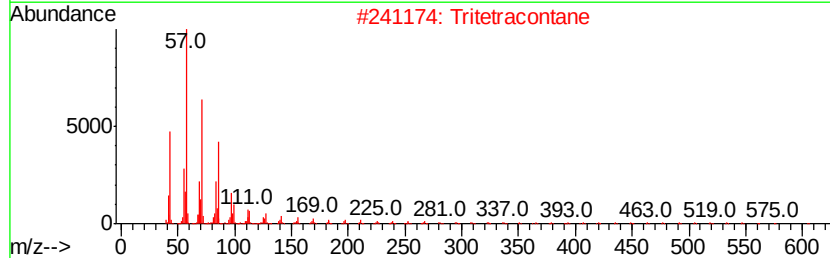
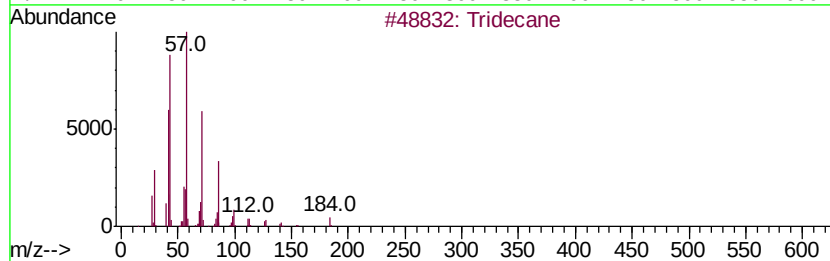
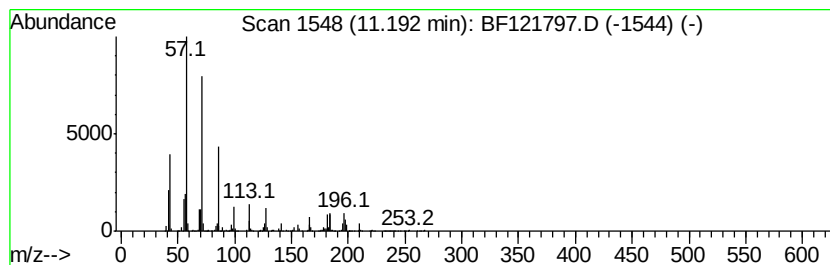
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Tritetracontane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	44.35 ng	1936440	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	86
2		Tritetracontane	605	C43H88	007098-21-7	86
3		Tetradecane	198	C14H30	000629-59-4	72
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121797.D
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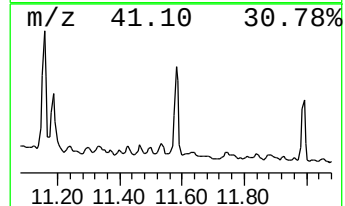
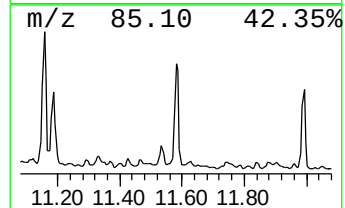
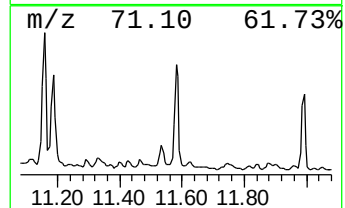
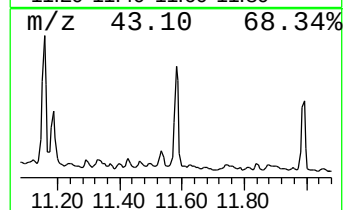
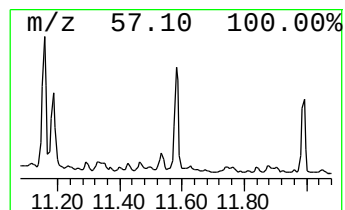
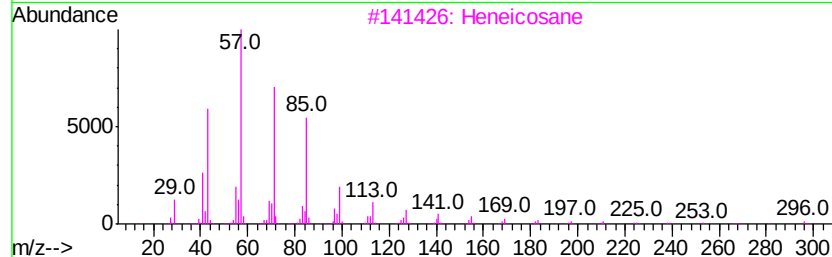
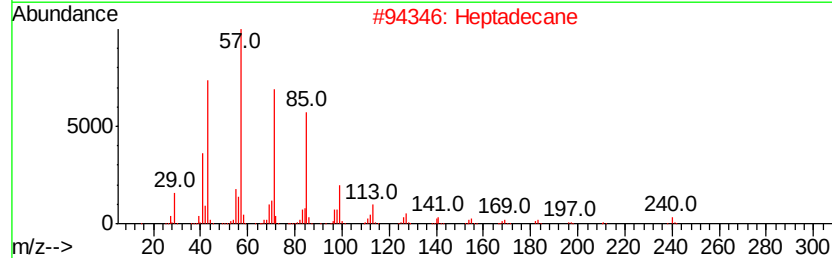
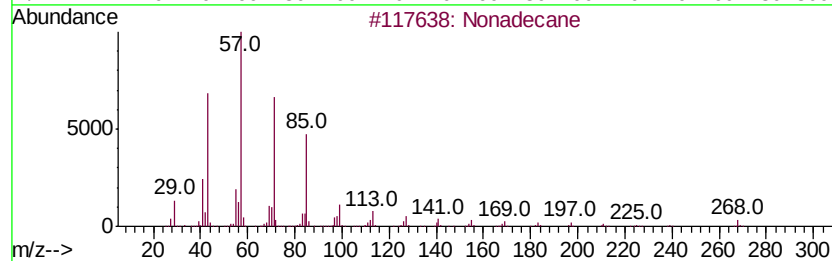
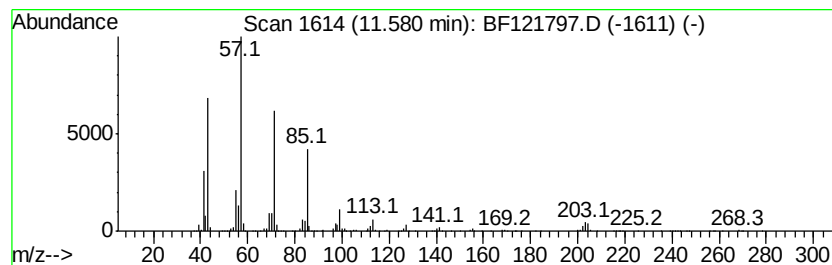
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	40.38 ng	1762930	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	93
2		Heptadecane	240	C17H36	000629-78-7	86
3		Heneicosane	296	C21H44	000629-94-7	86
4		Hexadecane	226	C16H34	000544-76-3	86
5		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
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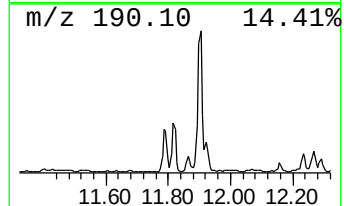
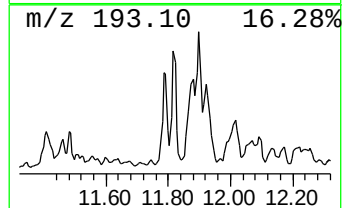
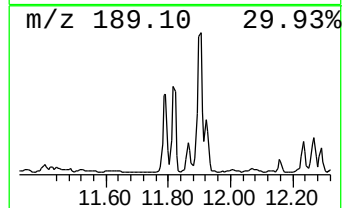
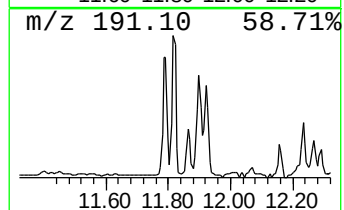
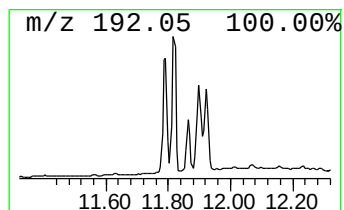
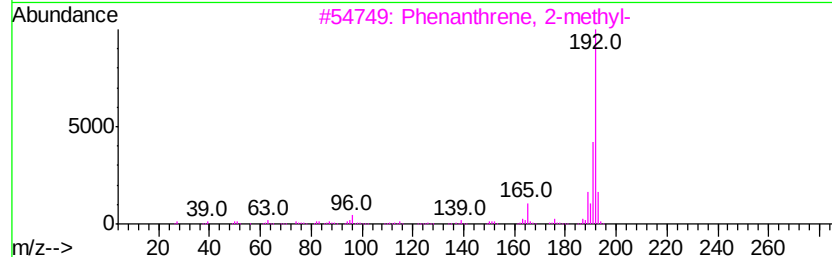
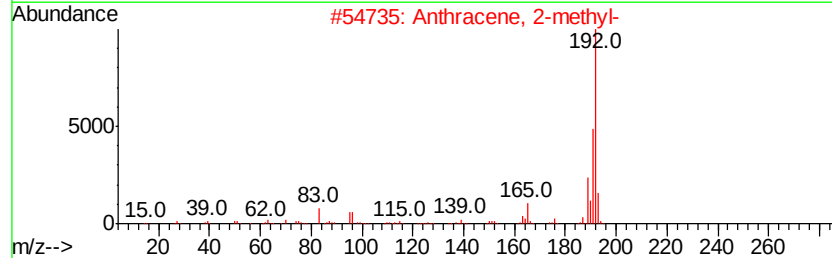
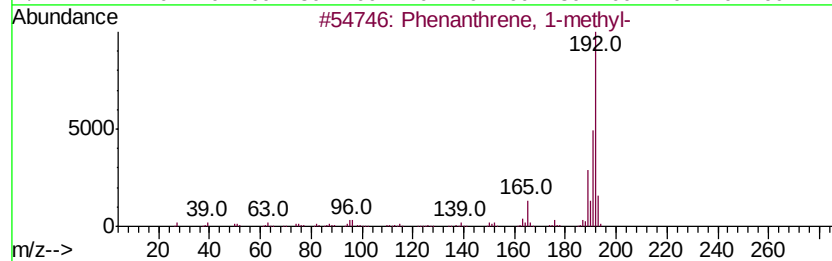
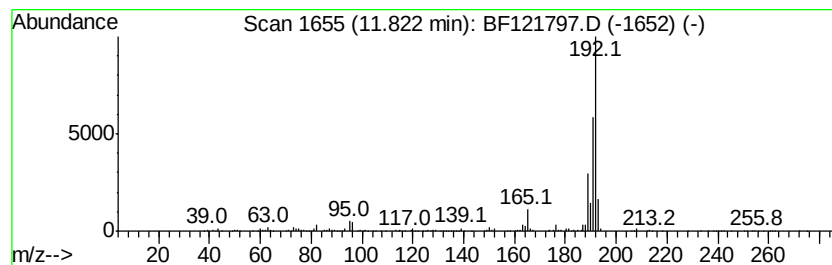
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	17.59 ng	768212	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
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ClientSampleId :
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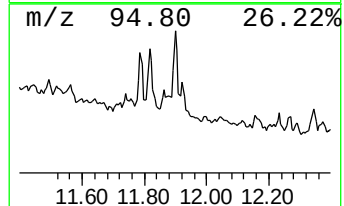
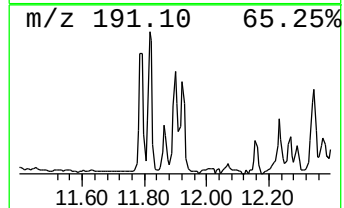
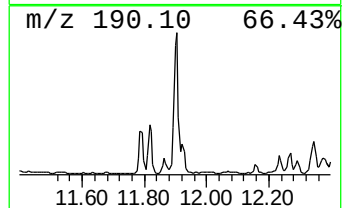
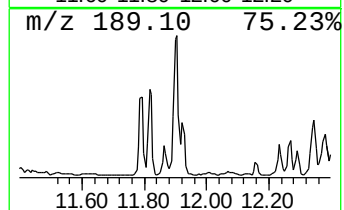
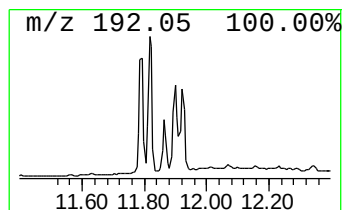
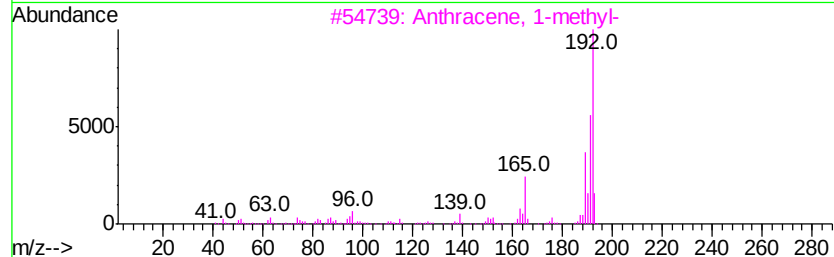
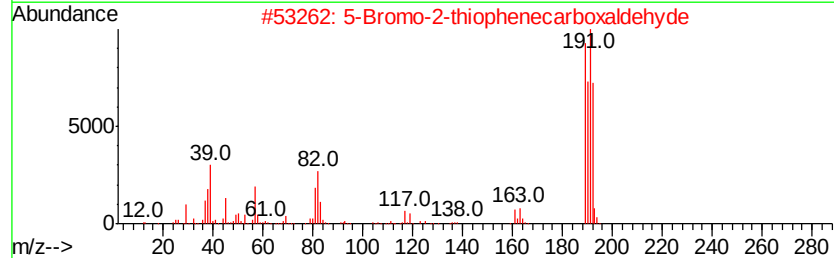
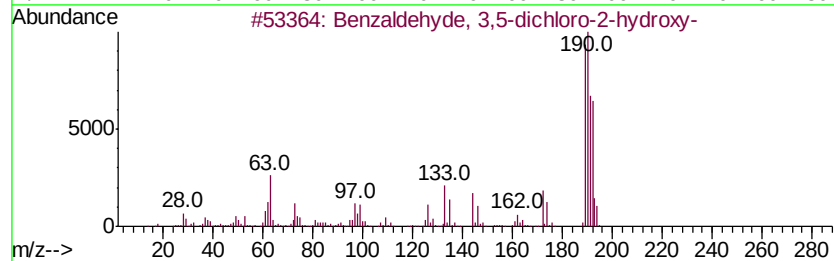
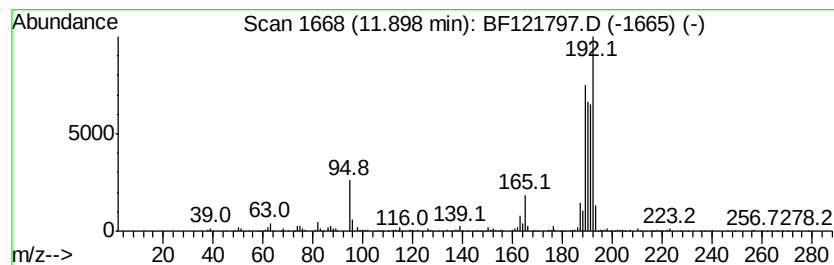
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzaldehyde, 3,5-dichloro-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	24.87 ng	1086100	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
2		5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	50
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4		Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	46
5		1H-Cyclopropa[l]phenanthrene, 1a,...	192	C15H12	000949-41-7	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121797.D
Acq On : 2 Oct 2020 16:41
Operator : JU/CG
Sample : L4213-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-17(13-15)

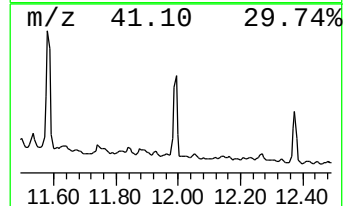
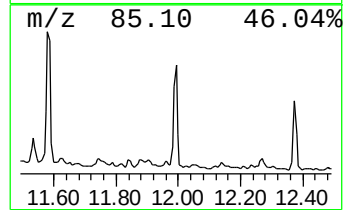
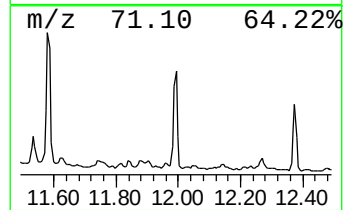
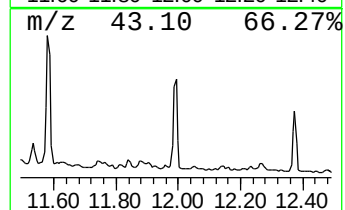
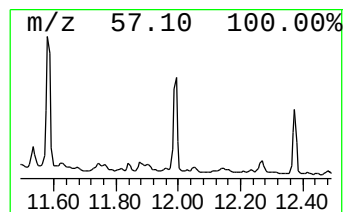
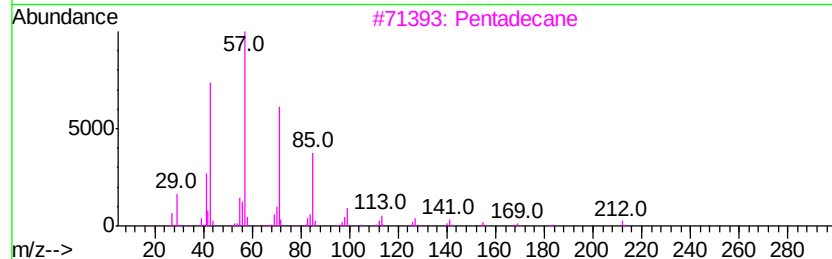
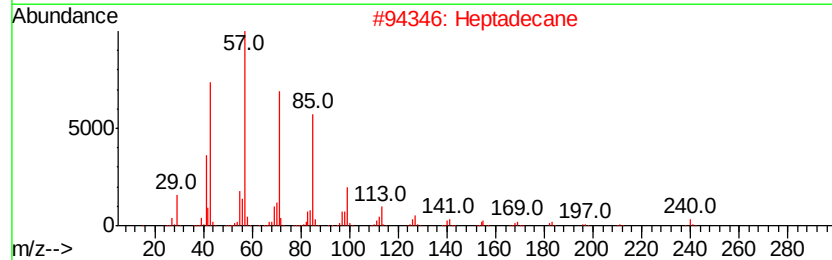
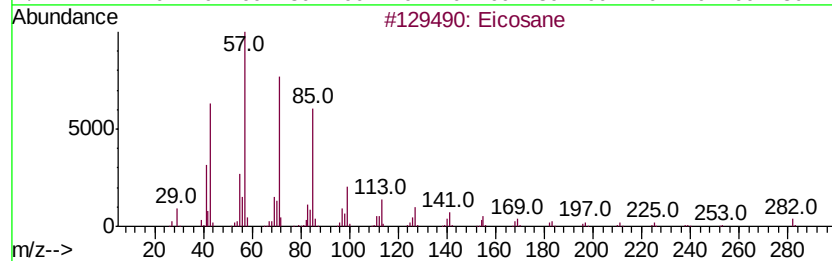
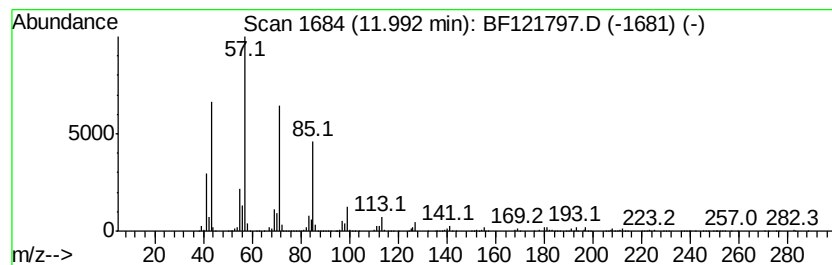
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Eicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	29.42 ng	1284470	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	97
2		Heptadecane	240	C17H36	000629-78-7	97
3		Pentadecane	212	C15H32	000629-62-9	96
4		Nonadecane	268	C19H40	000629-92-5	91
5		Hexadecane	226	C16H34	000544-76-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121797.D
Acq On : 2 Oct 2020 16:41
Operator : JU/CG
Sample : L4213-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-17(13-15)

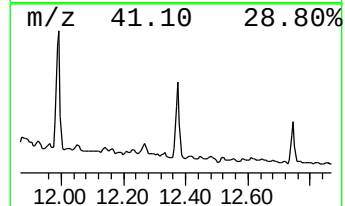
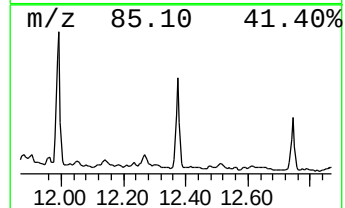
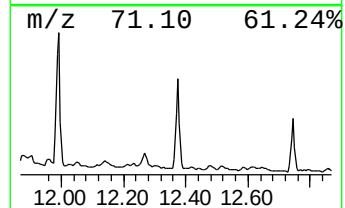
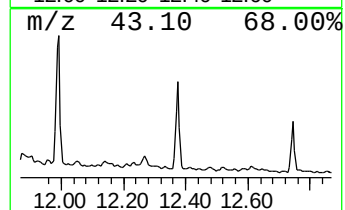
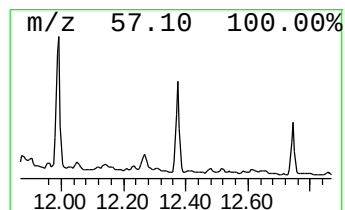
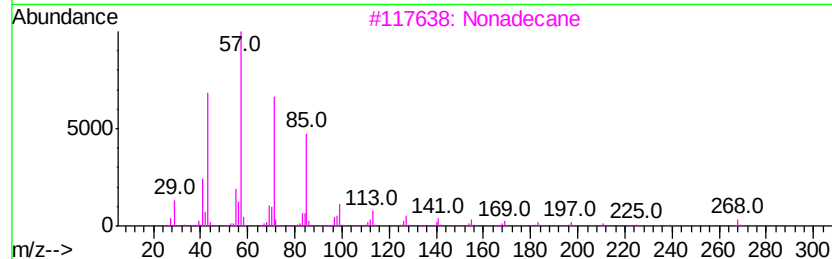
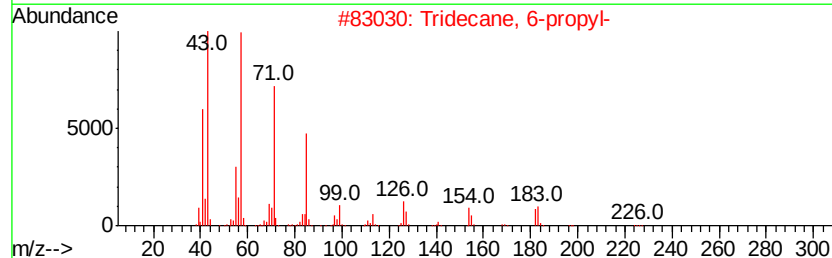
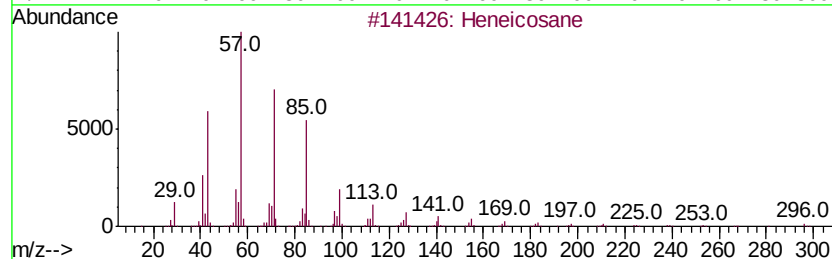
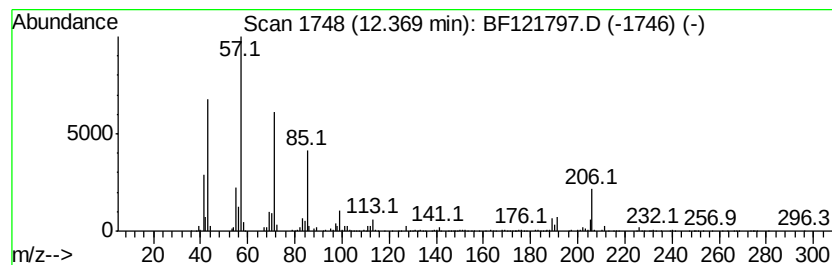
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Heneicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	25.12 ng	1096840	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	96
2		Tridecane, 6-propyl-	226	C16H34	055045-10-8	76
3		Nonadecane	268	C19H40	000629-92-5	68
4		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
5		Eicosane	282	C20H42	000112-95-8	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
Data File : BF121797.D
Acq On : 2 Oct 2020 16:41
Operator : JU/CG
Sample : L4213-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
B-17(13-15)

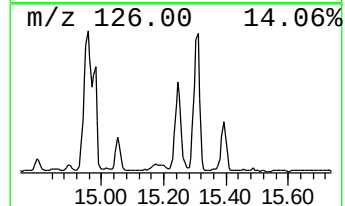
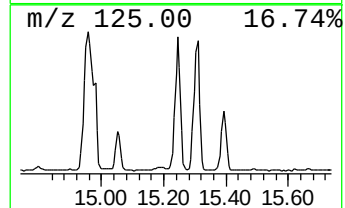
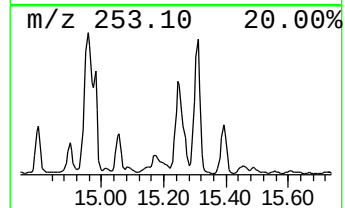
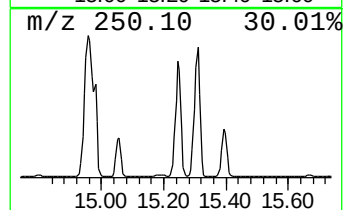
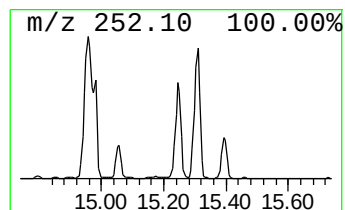
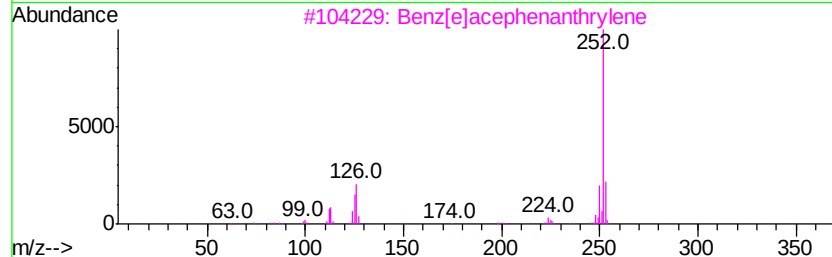
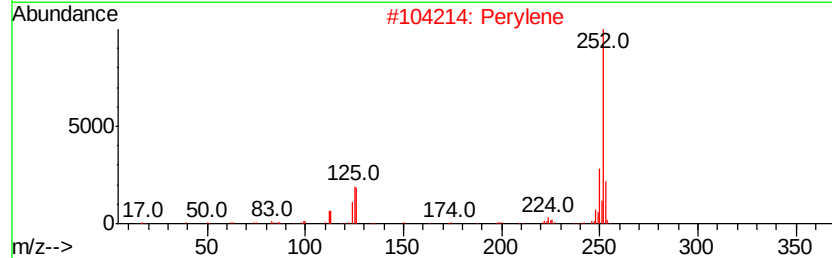
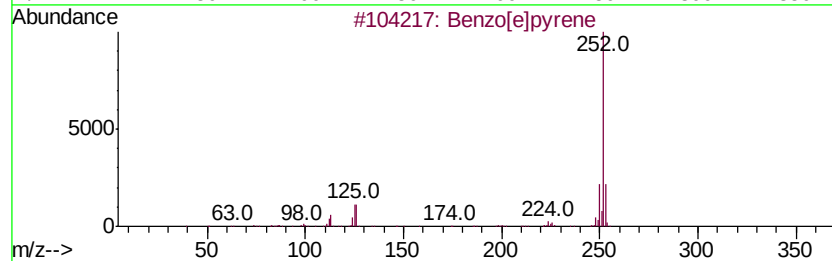
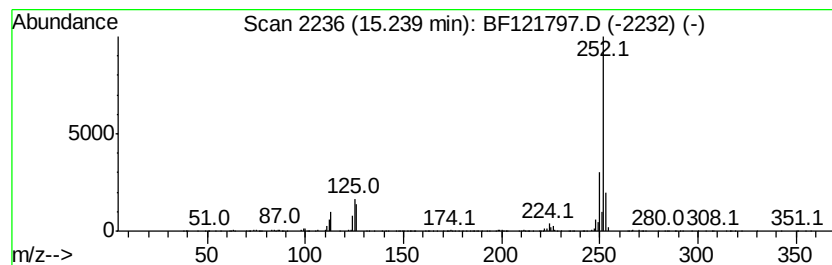
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	35.02 ng	1749400	Perylene-d12	15.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	97
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100220\
 Data File : BF121797.D
 Acq On : 2 Oct 2020 16:41
 Operator : JU/CG
 Sample : L4213-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-17(13-15)

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
Nonane, 2,6-dimet...	8.47	26.2	ng	3139850	2	8.05	2397520	20.0
Tridecane	8.65	20.4	ng	2444830	2	8.05	2397520	20.0
Heptadecane, 2,6,...	9.07	46.4	ng	2253850	3	9.80	971712	20.0
Tetradecane	9.21	80.4	ng	3906780	3	9.80	971712	20.0
1H-Indene, octahy...	9.72	44.5	ng	2160580	3	9.80	971712	20.0
Pentadecane	9.74	57.9	ng	2814160	3	9.80	971712	20.0
unknown10.06	10.06	26.4	ng	1281350	3	9.80	971712	20.0
Naphthalene, 2,3,...	10.12	24.7	ng	1198090	3	9.80	971712	20.0
Hexadecane	10.24	62.2	ng	3022970	3	9.80	971712	20.0
Heptacosane	10.46	64.9	ng	3154250	3	9.80	971712	20.0
Undecane, 6-ethyl-	10.73	133.2	ng	5814090	4	11.29	873253	20.0
4,4'-Dimethylbiph...	10.93	17.9	ng	779362	4	11.29	873253	20.0
Heptadecane	11.16	56.6	ng	2469780	4	11.29	873253	20.0
Tritetracontane	11.19	44.4	ng	1936440	4	11.29	873253	20.0
Nonadecane	11.58	40.4	ng	1762930	4	11.29	873253	20.0
Phenanthrene, 1-m...	11.82	17.6	ng	768212	4	11.29	873253	20.0
Benzaldehyde, 3,5...	11.90	24.9	ng	1086100	4	11.29	873253	20.0
Eicosane	11.99	29.4	ng	1284470	4	11.29	873253	20.0
Heneicosane	12.37	25.1	ng	1096840	4	11.29	873253	20.0
Benzo[e]pyrene	15.24	35.0	ng	1749400	6	15.36	999192	20.0