

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082020\
 Data File : BF121343.D
 Acq On : 20 Aug 2020 13:10
 Operator : JU/CG
 Sample : L3507-08 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-081820

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-BF081920.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	5.292	541	545	554	rBV	1355611	1270096	34.34%	3.226%
2	6.328	718	721	735	rBV	1474964	1296301	35.05%	3.292%
3	6.686	779	782	786	rBV	957440	870887	23.54%	2.212%
4	7.251	875	878	883	rVV	974169	845241	22.85%	2.147%
5	7.292	883	885	888	rVB	81018	63234	1.71%	0.161%
6	7.498	916	920	924	rVB3	68891	70834	1.92%	0.180%
7	7.610	931	939	941	rBV6	45475	79449	2.15%	0.202%
8	7.975	995	1001	1004	rBV	1353537	1291997	34.93%	3.281%
9	8.175	1032	1035	1038	rVB2	49929	55401	1.50%	0.141%
10	8.269	1046	1051	1054	rBV5	63320	94991	2.57%	0.241%
11	8.357	1063	1066	1069	rBV2	67515	58120	1.57%	0.148%
12	8.398	1069	1073	1075	rBV3	74136	77976	2.11%	0.198%
13	8.475	1083	1086	1089	rBV2	101363	104565	2.83%	0.266%
14	8.569	1098	1102	1105	rBV	241678	210700	5.70%	0.535%
15	8.633	1110	1113	1115	rVB	61491	53452	1.45%	0.136%
16	8.792	1134	1140	1143	rBV2	122239	164862	4.46%	0.419%
17	8.916	1157	1161	1163	rVV3	41802	72937	1.97%	0.185%
18	8.998	1172	1175	1179	rVB3	101881	103697	2.80%	0.263%
19	9.045	1179	1183	1187	rBV	1933745	1628405	44.02%	4.136%
20	9.133	1192	1198	1202	rBV	347977	328917	8.89%	0.835%
21	9.198	1206	1209	1211	rVB	74875	57795	1.56%	0.147%
22	9.304	1222	1227	1228	rBV5	69290	80766	2.18%	0.205%
23	9.357	1233	1236	1238	rVV3	62973	67184	1.82%	0.171%
24	9.386	1238	1241	1243	rVV2	111693	139587	3.77%	0.354%
25	9.410	1243	1245	1247	rVV2	112334	95443	2.58%	0.242%
26	9.445	1247	1251	1254	rVV2	357976	405673	10.97%	1.030%
27	9.475	1254	1256	1258	rVV2	120699	108217	2.93%	0.275%
28	9.510	1258	1262	1265	rVB3	98312	116014	3.14%	0.295%
29	9.580	1272	1274	1280	rBV	78622	84519	2.29%	0.215%
30	9.633	1280	1283	1285	rBV4	42087	49656	1.34%	0.126%
31	9.663	1285	1288	1292	rVB	389523	296245	8.01%	0.752%
32	9.722	1292	1298	1301	rBV	1597131	1420357	38.40%	3.607%
33	9.751	1301	1303	1307	rVV	106667	111380	3.01%	0.283%
34	9.786	1307	1309	1313	rVB4	49074	57911	1.57%	0.147%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.833	1313	1317	1320	rVB3	54435	68449	1.85%	0.174%
36	9.898	1324	1328	1330	rBV4	44549	70153	1.90%	0.178%
37	9.927	1330	1333	1335	rVB2	95836	89682	2.42%	0.228%
38	9.980	1341	1342	1347	rVB4	70492	63818	1.73%	0.162%
39	10.039	1350	1352	1355	rBV3	59002	68149	1.84%	0.173%
40	10.163	1369	1373	1375	rBV	339987	301508	8.15%	0.766%
41	10.216	1380	1382	1387	rVB6	42133	51955	1.40%	0.132%
42	10.269	1387	1391	1393	rBV	159575	156624	4.23%	0.398%
43	10.380	1407	1410	1413	rVB	139401	125093	3.38%	0.318%
44	10.427	1416	1418	1422	rVB3	70825	71127	1.92%	0.181%
45	10.463	1422	1424	1427	rBV2	53132	51727	1.40%	0.131%
46	10.510	1427	1432	1436	rBV	1143589	1022202	27.64%	2.596%
47	10.633	1450	1453	1460	rVB	462823	505326	13.66%	1.283%
48	10.822	1480	1485	1487	rBV2	61406	90260	2.44%	0.229%
49	11.080	1526	1529	1531	rVV	409243	337473	9.12%	0.857%
50	11.110	1531	1534	1538	rVB2	187845	231447	6.26%	0.588%
51	11.204	1547	1550	1552	rBV	1538088	1300885	35.17%	3.304%
52	11.227	1552	1554	1557	rVV	792468	601441	16.26%	1.527%
53	11.280	1560	1563	1567	rVV	234559	208027	5.62%	0.528%
54	11.321	1567	1570	1572	rVV3	49668	52769	1.43%	0.134%
55	11.504	1598	1601	1604	rBV	327660	278522	7.53%	0.707%
56	11.533	1604	1606	1609	rVB2	139165	116808	3.16%	0.297%
57	11.610	1615	1619	1624	rVB	1820249	1605280	43.40%	4.077%
58	11.669	1626	1629	1631	rBV3	44571	52261	1.41%	0.133%
59	11.704	1632	1635	1638	rVV	139868	148277	4.01%	0.377%
60	11.733	1638	1640	1644	rVV	201460	203095	5.49%	0.516%
61	11.780	1646	1648	1650	rVV	77151	57005	1.54%	0.145%
62	11.816	1650	1654	1657	rVV	281871	292738	7.91%	0.743%
63	11.839	1657	1658	1663	rVB2	124820	90319	2.44%	0.229%
64	11.910	1667	1670	1673	rBV	250332	230708	6.24%	0.586%
65	12.004	1683	1686	1689	rBV2	83723	100374	2.71%	0.255%
66	12.180	1714	1716	1718	rBV	104067	93373	2.52%	0.237%
67	12.257	1726	1729	1731	rBV	117688	114501	3.10%	0.291%
68	12.292	1731	1735	1737	rVV2	3102922	3506037	94.79%	8.904%
69	12.316	1737	1739	1747	rVV	3361864	3698860	100.00%	9.394%
70	12.398	1750	1753	1754	rVV	896592	712538	19.26%	1.810%
71	12.416	1754	1756	1759	rVB	1061896	856107	23.15%	2.174%

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72	12.645	1789	1795	1797	rBV	931973	1020500	27.59%	2.592%
73	12.674	1797	1800	1802	rVB2	190870	185710	5.02%	0.472%
74	12.763	1812	1815	1816	rBV2	56980	51402	1.39%	0.131%
75	12.792	1816	1820	1826	rVB	1695047	1580011	42.72%	4.013%
76	12.868	1829	1833	1836	rBV3	57994	97473	2.64%	0.248%
77	12.957	1844	1848	1849	rBV2	124554	142254	3.85%	0.361%
78	12.974	1849	1851	1854	rVB	206480	173544	4.69%	0.441%
79	13.039	1857	1862	1865	rVV2	254621	393039	10.63%	0.998%
80	13.074	1865	1868	1870	rVV2	136835	134041	3.62%	0.340%
81	13.121	1874	1876	1879	rVV2	91248	89229	2.41%	0.227%
82	13.168	1882	1884	1886	rVV	80337	62234	1.68%	0.158%
83	13.198	1886	1889	1892	rVV	87654	84222	2.28%	0.214%
84	13.233	1892	1895	1898	rVB4	42675	51564	1.39%	0.131%
85	13.368	1915	1918	1921	rBV	164673	152615	4.13%	0.388%
86	13.480	1935	1937	1941	rVB2	55594	56110	1.52%	0.142%
87	13.692	1970	1973	1981	rVB3	371803	475214	12.85%	1.207%
88	13.786	1987	1989	1991	rBV3	58311	51297	1.39%	0.130%
89	13.839	1993	1998	2001	rVV2	1227624	1537705	41.57%	3.905%
90	13.862	2001	2002	2010	rVB	397635	337114	9.11%	0.856%
91	13.945	2014	2016	2018	rVB	88258	65258	1.76%	0.166%
92	14.015	2025	2028	2033	rVB3	153184	166661	4.51%	0.423%
93	14.315	2077	2079	2083	rVB2	166430	162932	4.40%	0.414%
94	14.615	2127	2130	2132	rBV	163056	160377	4.34%	0.407%
95	14.851	2167	2170	2173	rBV	344888	440393	11.91%	1.118%
96	14.927	2181	2183	2185	rBV2	122267	93001	2.51%	0.236%
97	15.133	2215	2218	2224	rVB	223366	273321	7.39%	0.694%
98	15.192	2224	2228	2233	rBV	304035	416402	11.26%	1.058%
99	15.251	2234	2238	2241	rBV	887545	1041638	28.16%	2.645%
100	15.892	2343	2347	2356	rVB2	236986	422883	11.43%	1.074%

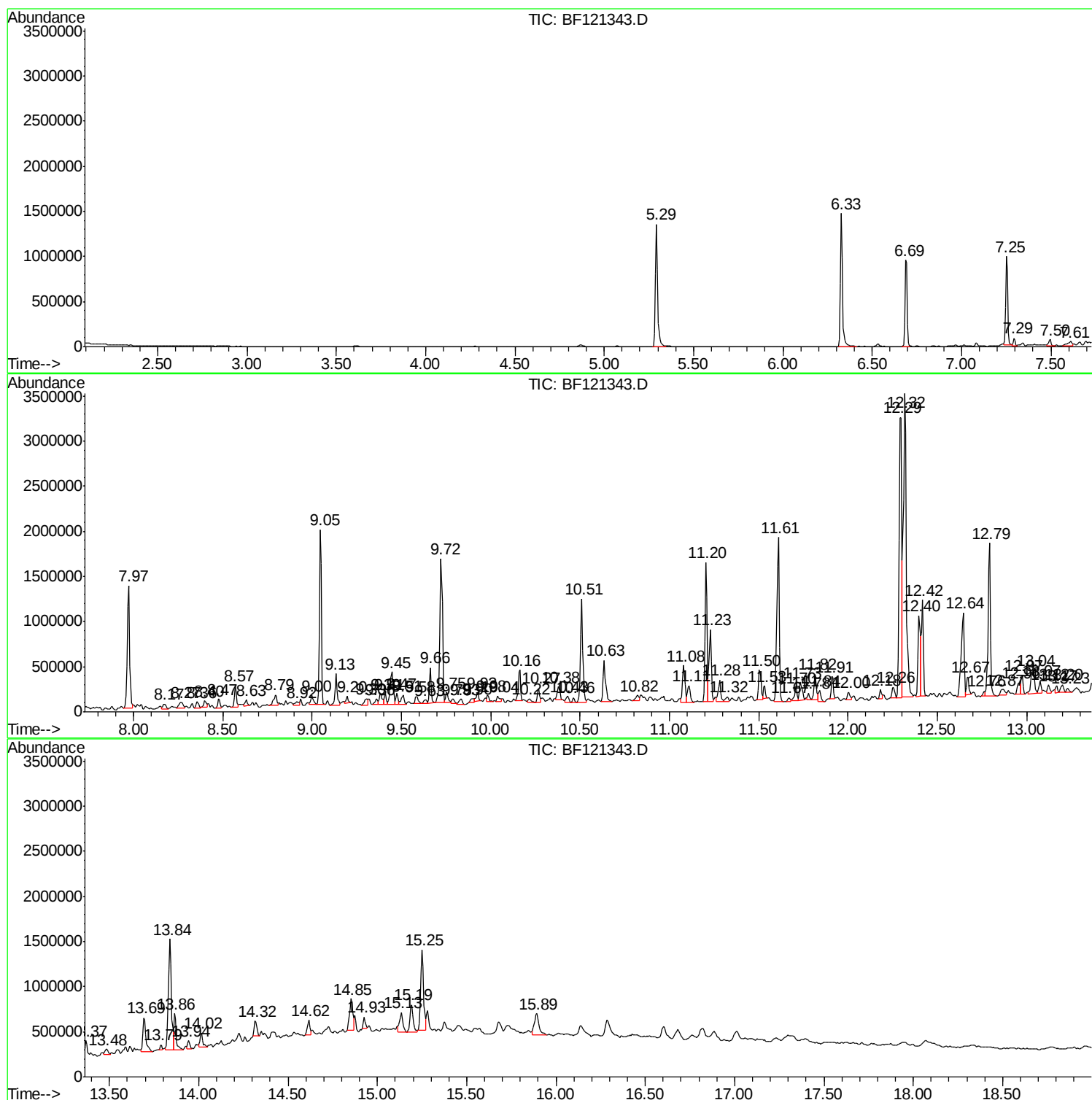
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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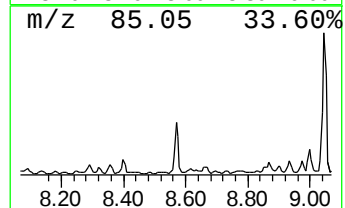
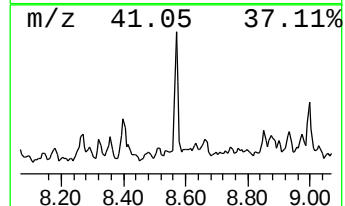
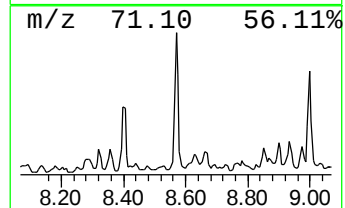
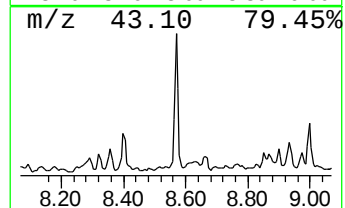
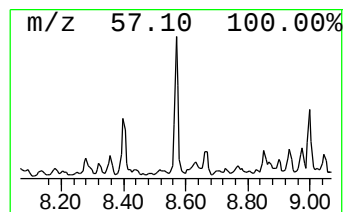
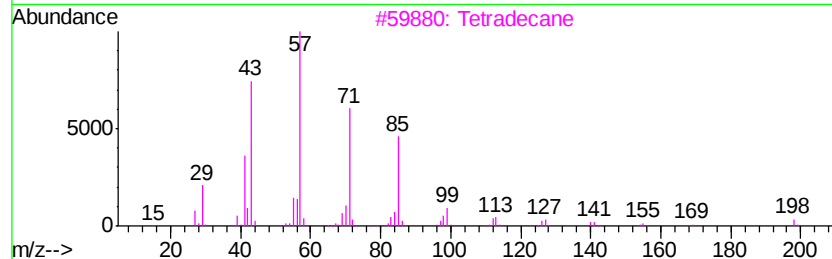
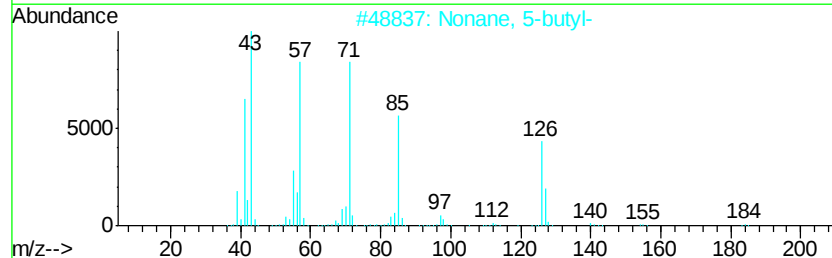
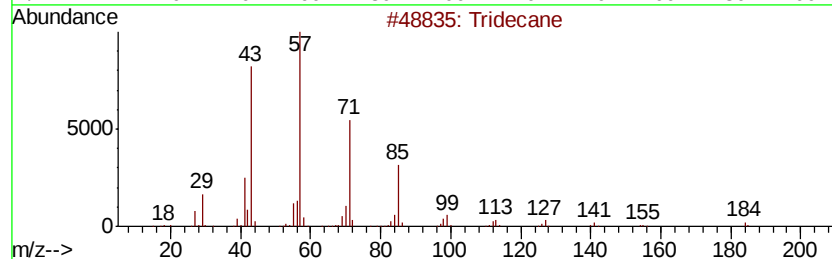
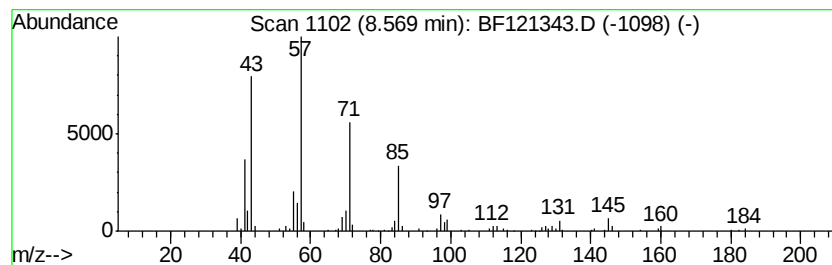
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Tridecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	3.26 ng	210700	Naphthalene-d8	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Nonane, 5-butyl-	184	C13H28	017312-63-9	89
3	Tetradecane	198	C14H30	000629-59-4	80
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	80
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	68



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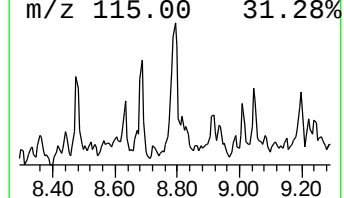
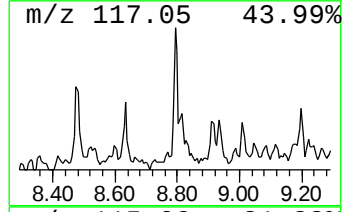
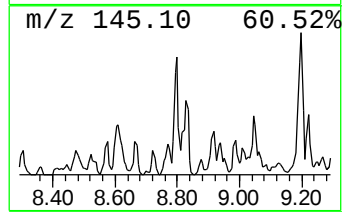
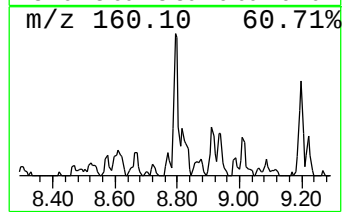
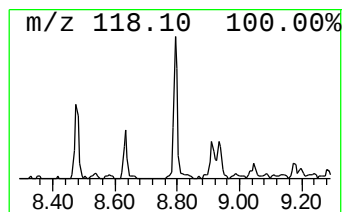
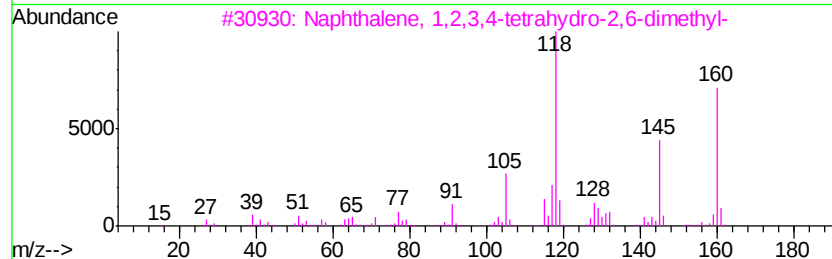
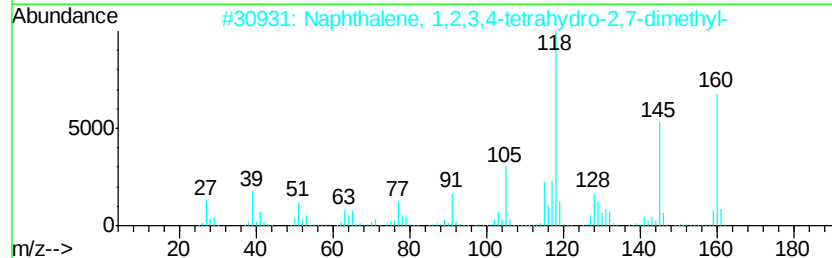
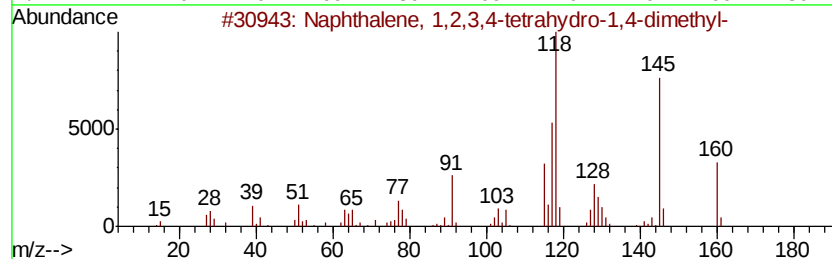
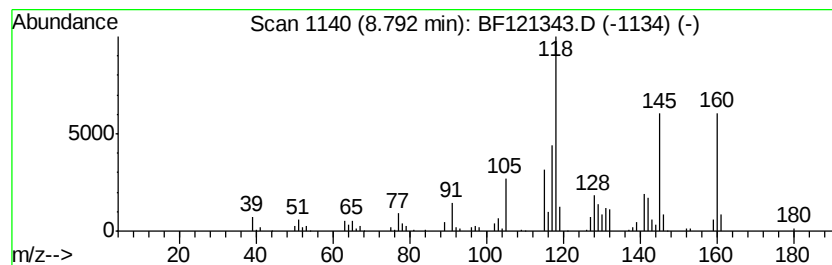
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1,2,3,4-tetra... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.79	2.55 ng	164862	Naphthalene-d8	7.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	95
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	95
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	81
4		1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	70
5		1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	001590-08-5	49



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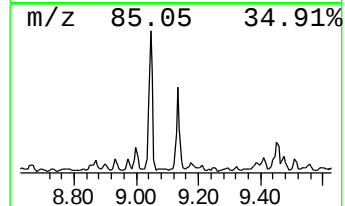
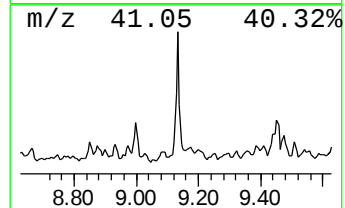
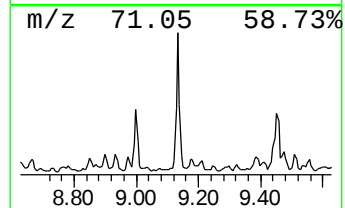
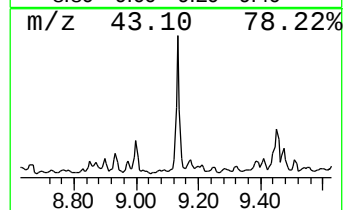
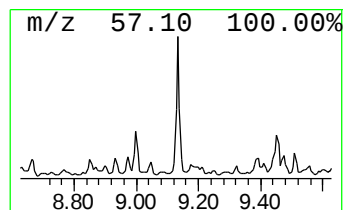
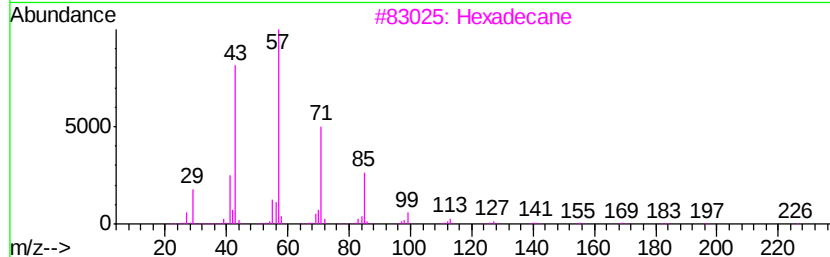
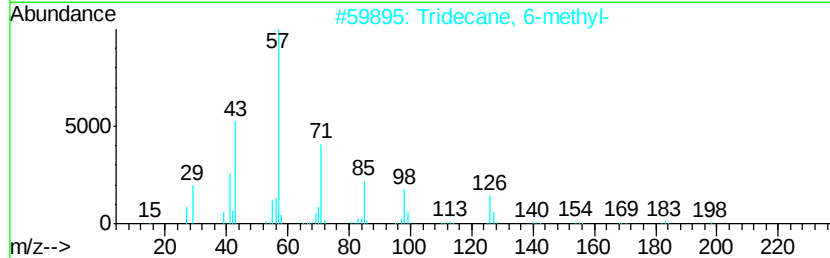
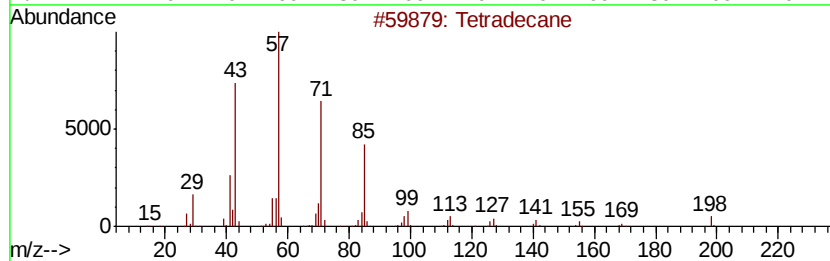
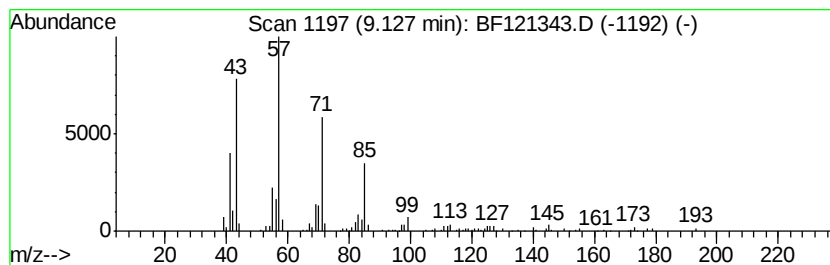
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	4.63 ng	328917	Acenaphthene-d10	9.72

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	95
2		Tridecane, 6-methyl-	198	C14H30	013287-21-3	90
3		Hexadecane	226	C16H34	000544-76-3	90
4		Tridecane	184	C13H28	000629-50-5	86
5		Nonadecane	268	C19H40	000629-92-5	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121343.D
Acq On : 20 Aug 2020 13:10
Operator : JU/CG
Sample : L3507-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

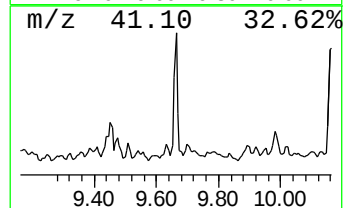
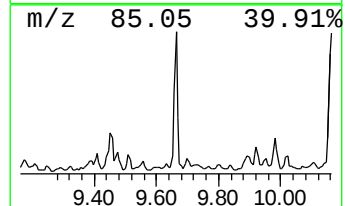
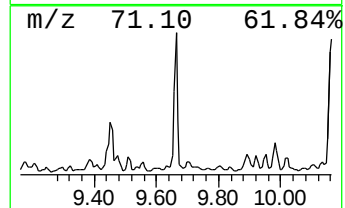
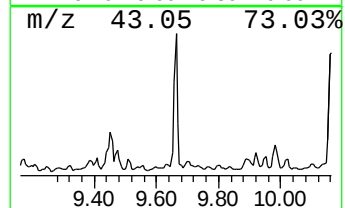
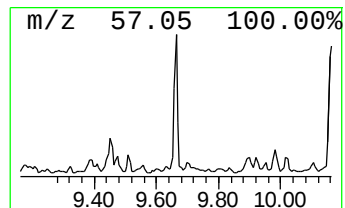
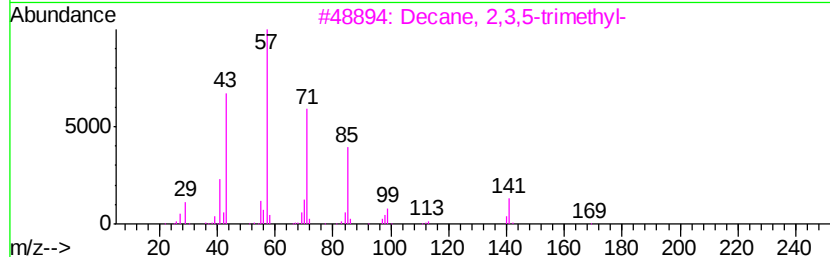
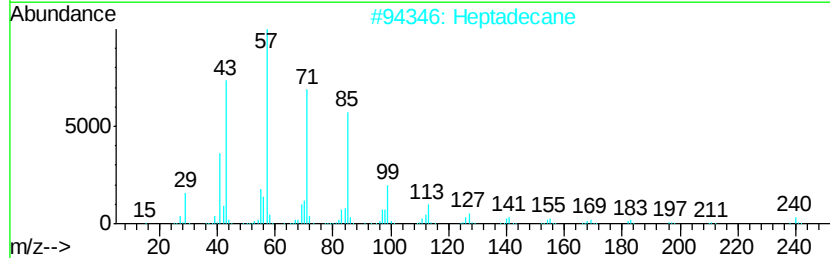
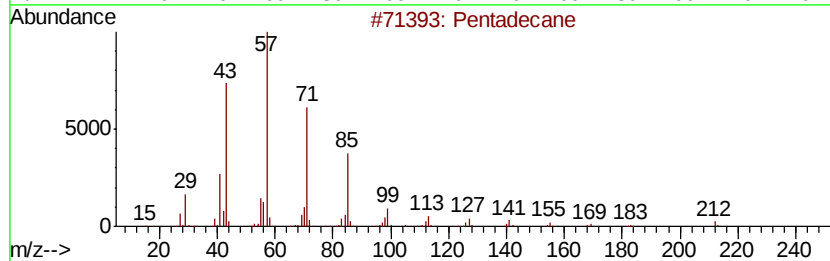
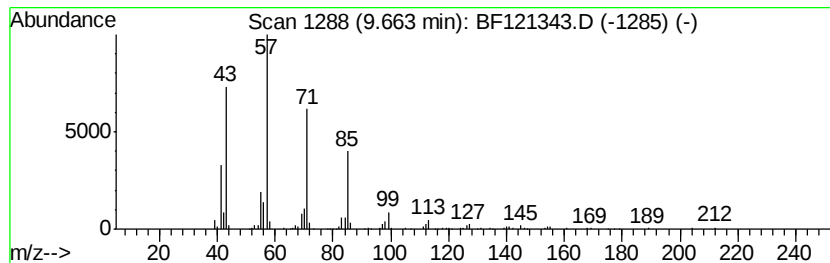
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Decane, 2,3,5-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.66	4.17 ng	296245	Acenaphthene-d10	9.72		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane	212	C15H32	000629-62-9	91
2		Heptadecane	240	C17H36	000629-78-7	83
3		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
4		Hexadecane	226	C16H34	000544-76-3	80
5		9-methylheptadecane	254	C18H38	026741-18-4	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
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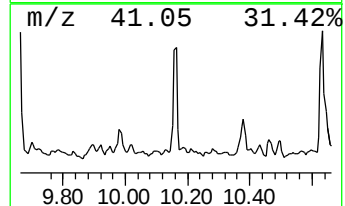
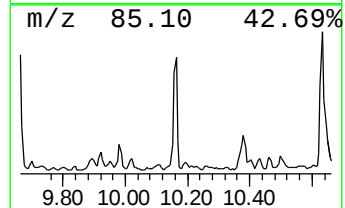
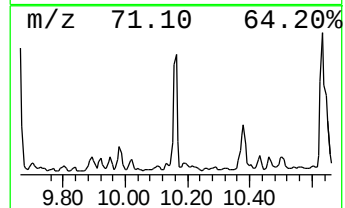
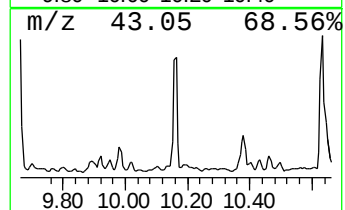
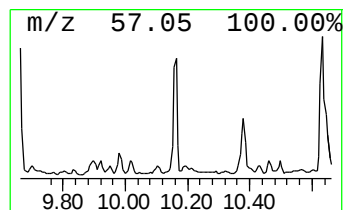
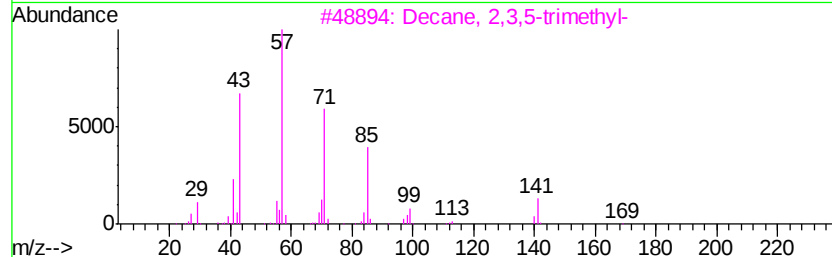
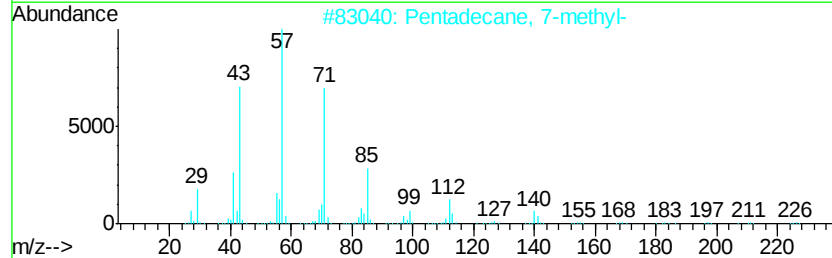
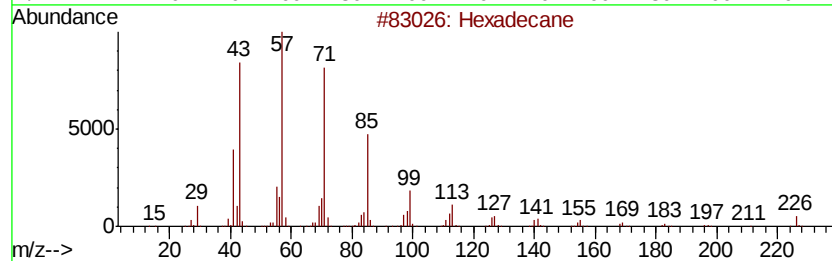
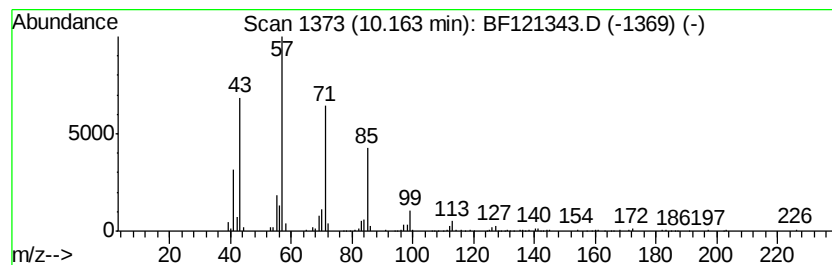
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	4.25 ng	301508	Acenaphthene-d10	9.72

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	94
2	Pentadecane, 7-methyl-		226	C16H34	006165-40-8	87
3	Decane, 2,3,5-trimethyl-		184	C13H28	062238-11-3	83
4	Pentadecane		212	C15H32	000629-62-9	80
5	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
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Operator : JU/CG
Sample : L3507-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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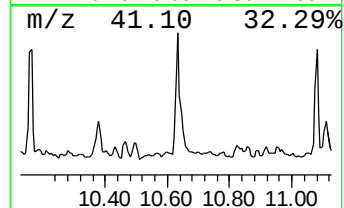
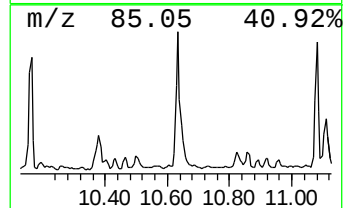
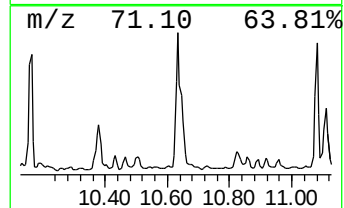
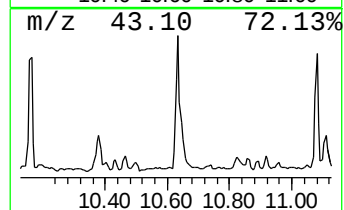
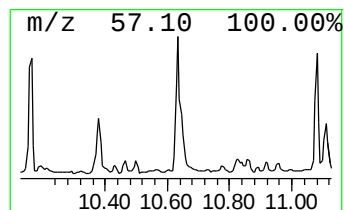
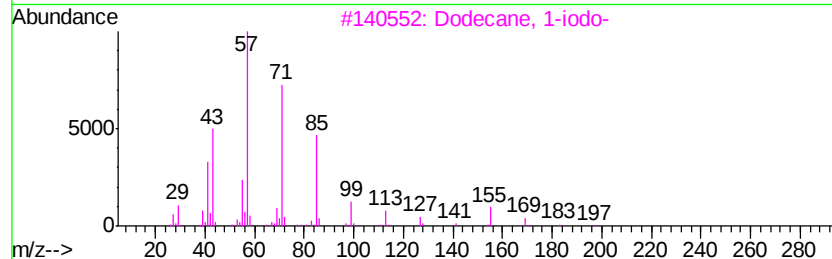
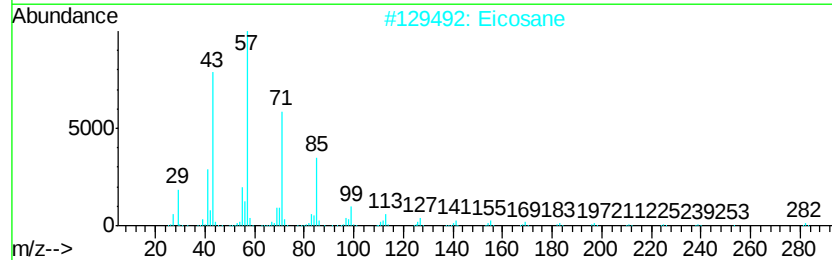
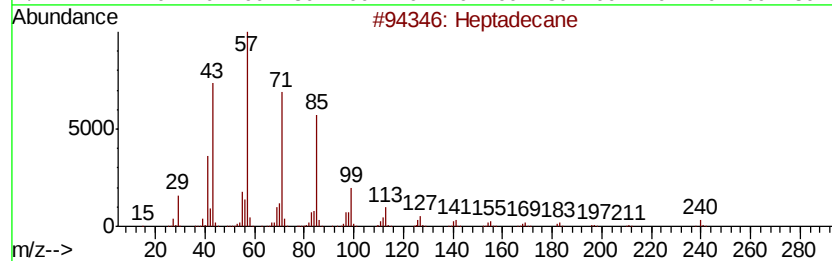
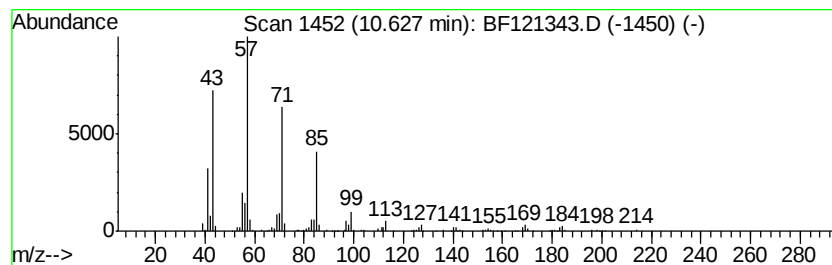
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Heptadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	7.77 ng	505326	Phenanthrene-d10	11.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	95
2	Eicosane		282	C20H42	000112-95-8	87
3	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	87
4	Tridecane		184	C13H28	000629-50-5	86
5	Tetradecane		198	C14H30	000629-59-4	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
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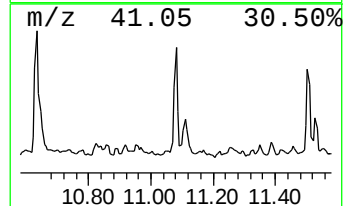
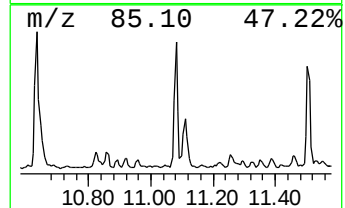
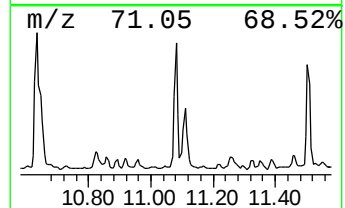
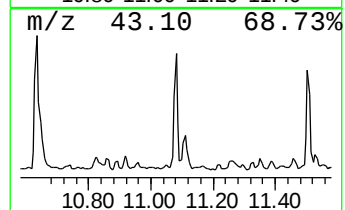
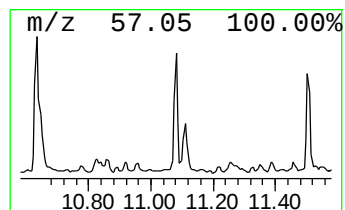
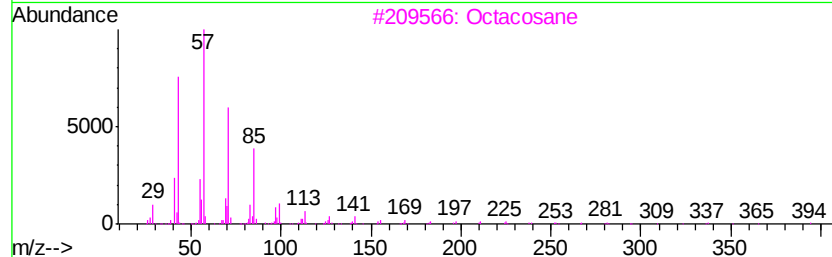
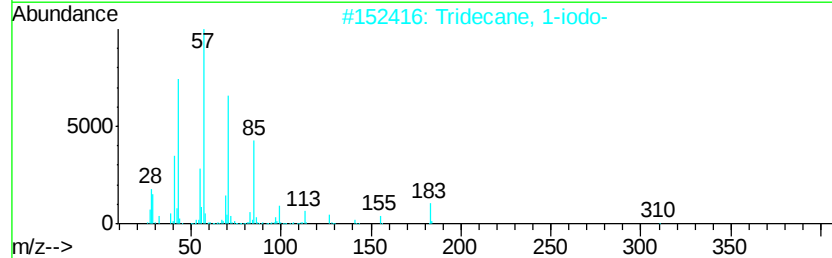
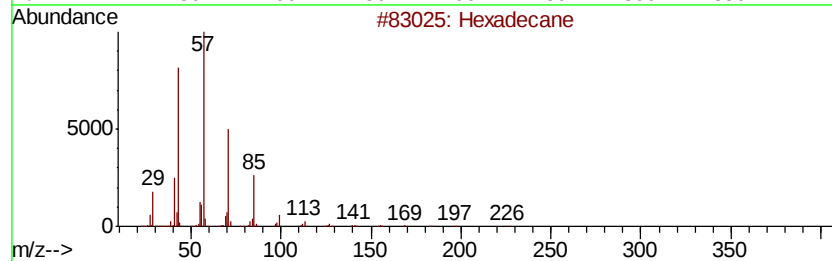
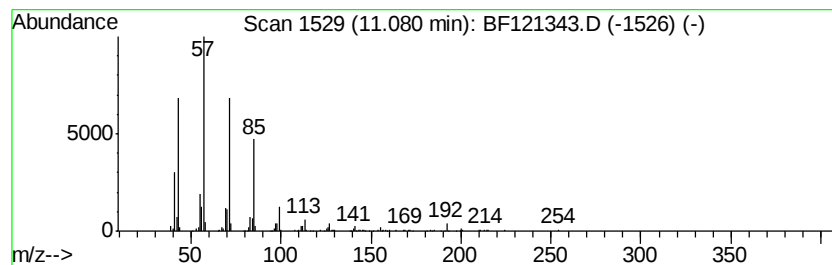
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tridecane, 1-iodo- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	5.19 ng	337473	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	90
2		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	87
3		Octacosane	394	C28H58	000630-02-4	86
4		Tetracosane	338	C24H50	000646-31-1	86
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
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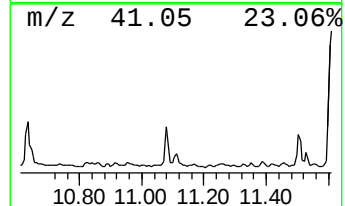
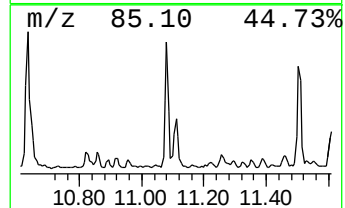
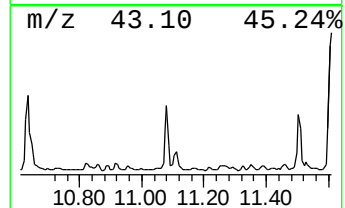
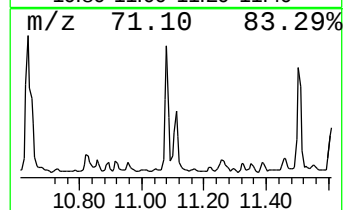
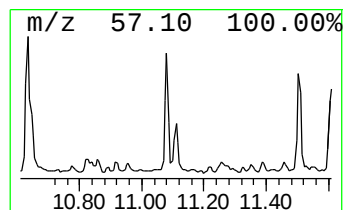
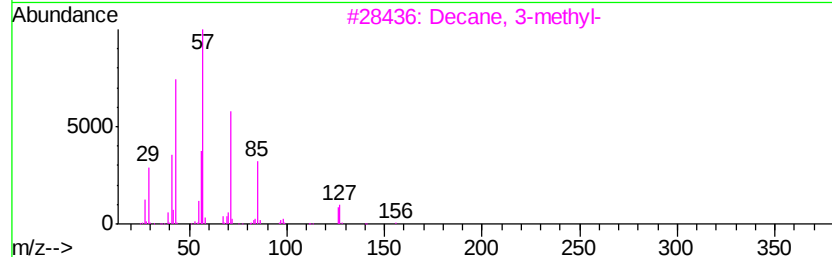
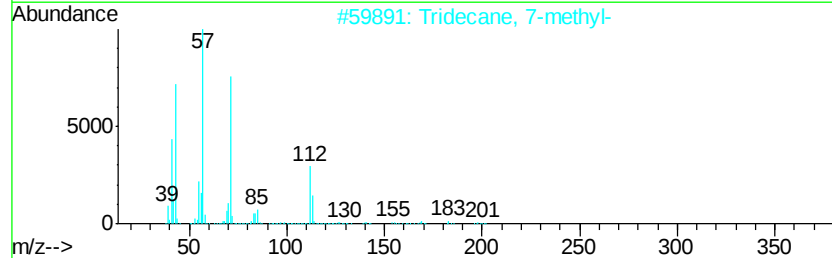
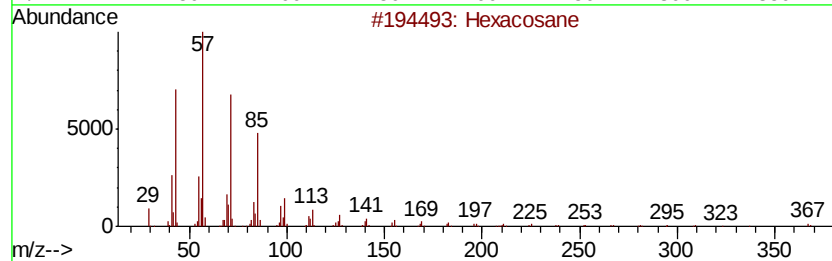
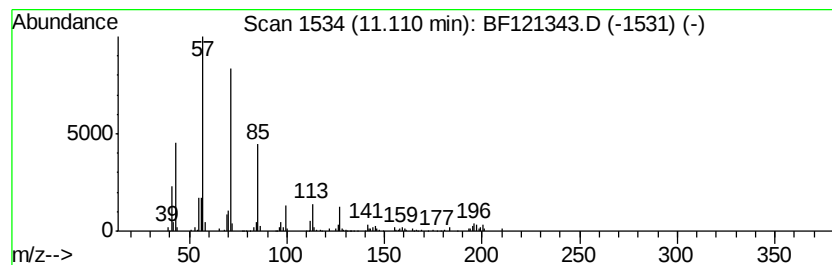
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Hexacosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.11	3.56 ng	231447	Phenanthrene-d10		11.20
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	78
2	Tridecane, 7-methyl-	198	C14H30	026730-14-3	78
3	Decane, 3-methyl-	156	C11H24	013151-34-3	72
4	Decane, 2-methyl-	156	C11H24	006975-98-0	68
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121343.D
Acq On : 20 Aug 2020 13:10
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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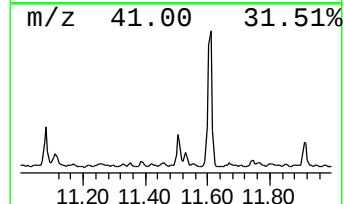
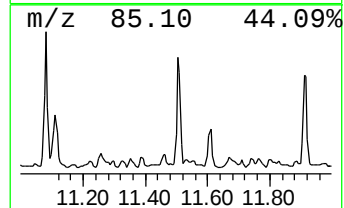
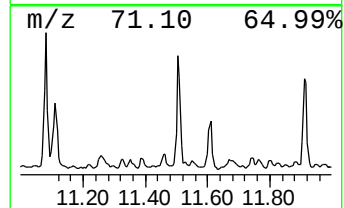
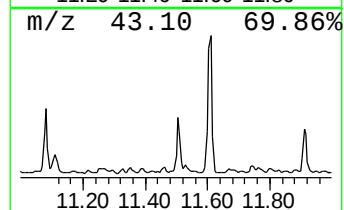
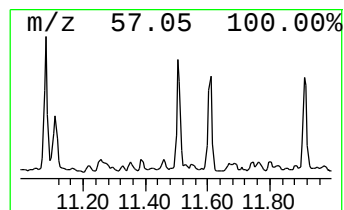
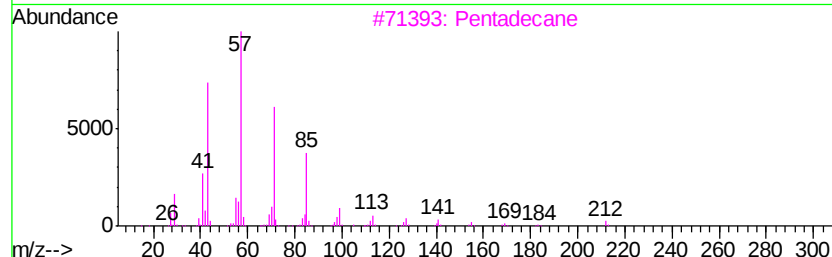
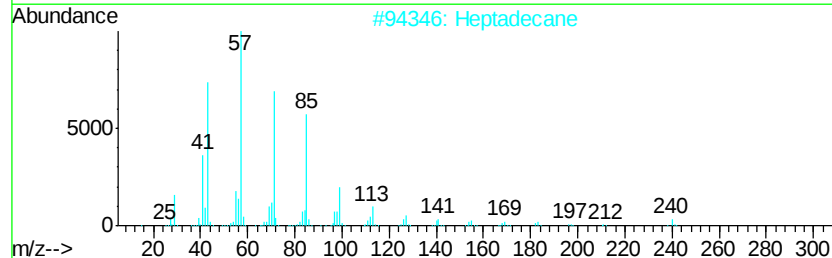
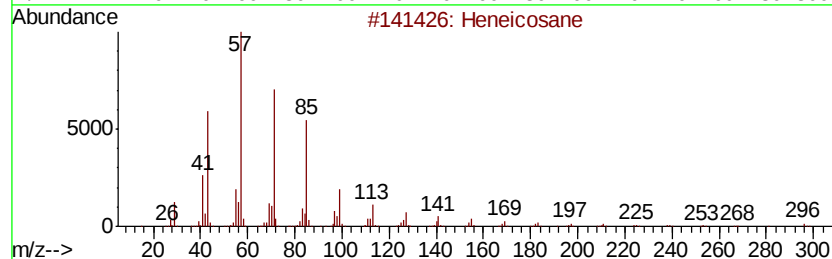
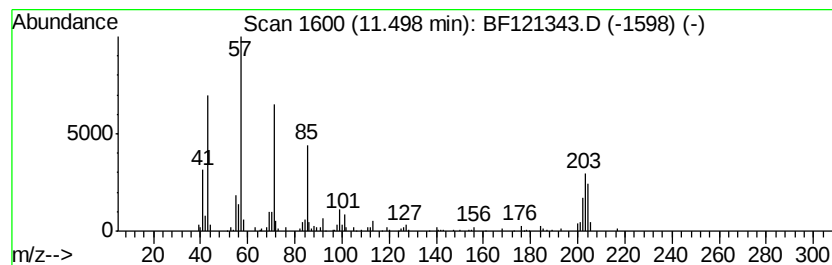
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	4.28 ng	278522	Phenanthrene-d10	11.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	83
2	Heptadecane		240	C17H36	000629-78-7	83
3	Pentadecane		212	C15H32	000629-62-9	80
4	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	80
5	Hexadecane		226	C16H34	000544-76-3	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121343.D
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Sample : L3507-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :
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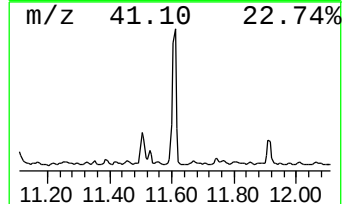
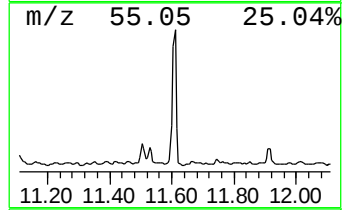
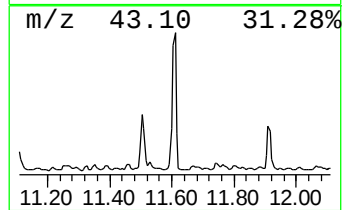
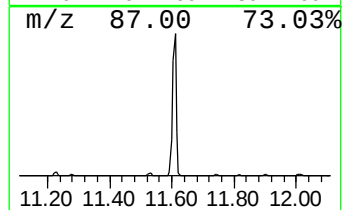
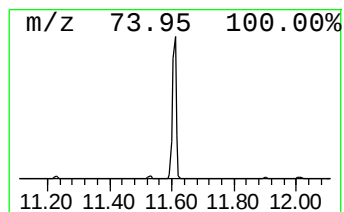
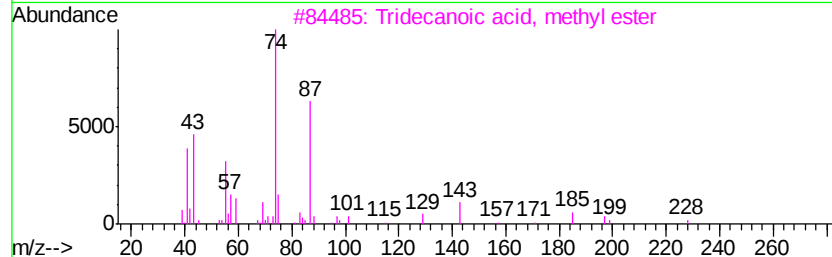
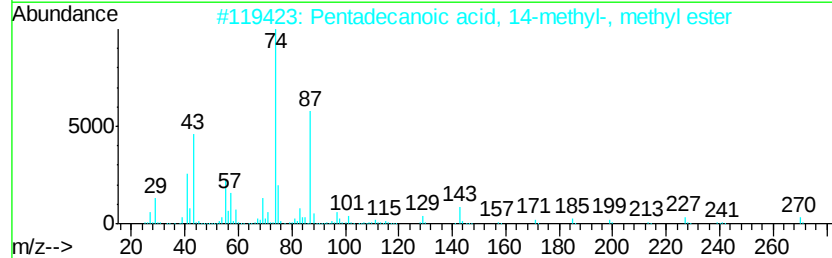
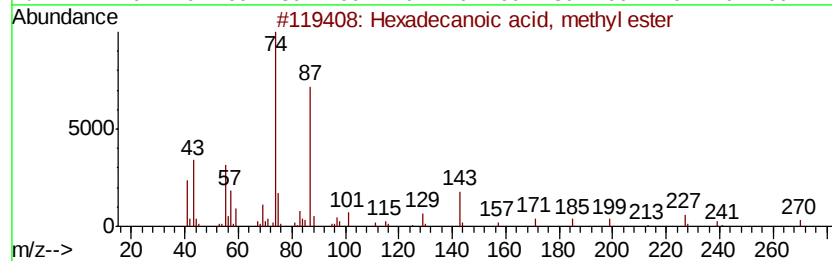
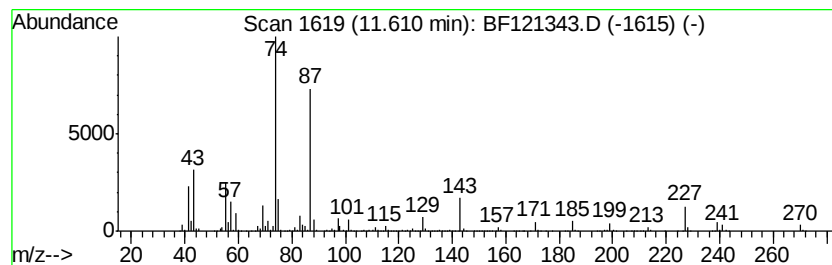
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	24.68 ng	1605280	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3		Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	89
4		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5		Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121343.D
Acq On : 20 Aug 2020 13:10
Operator : JU/CG
Sample : L3507-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

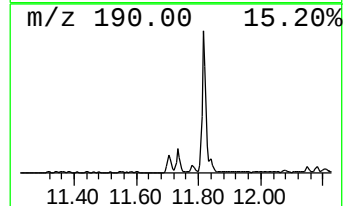
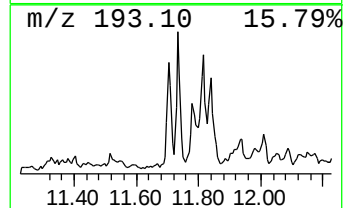
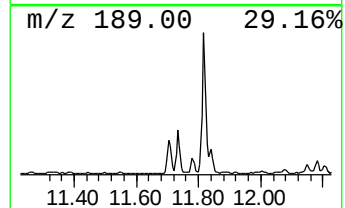
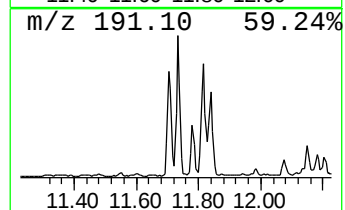
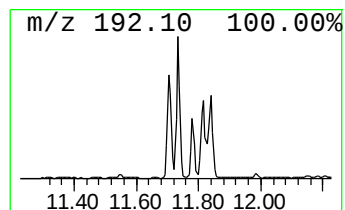
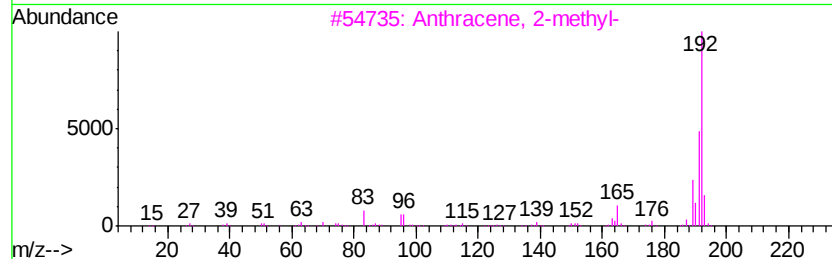
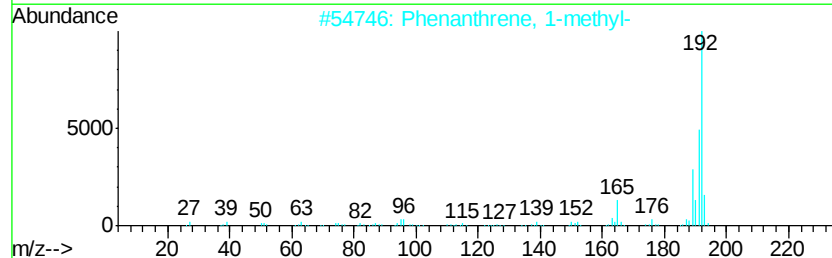
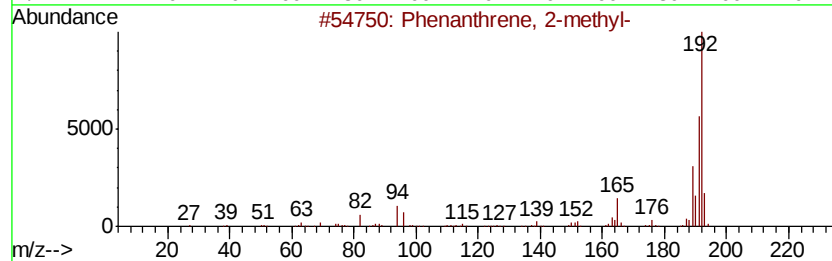
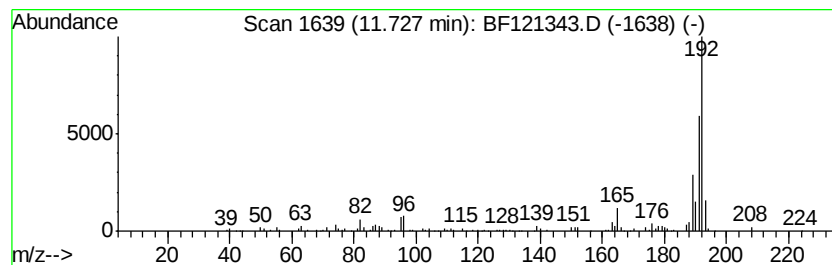
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.73	3.12 ng	203095	Phenanthrene-d10	11.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121343.D
Acq On : 20 Aug 2020 13:10
Operator : JU/CG
Sample : L3507-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

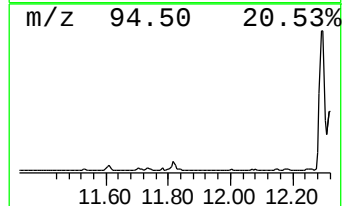
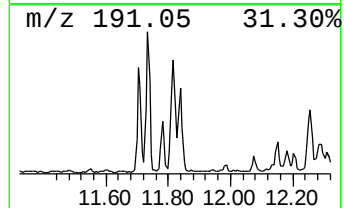
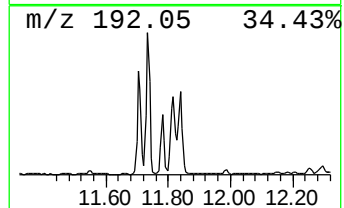
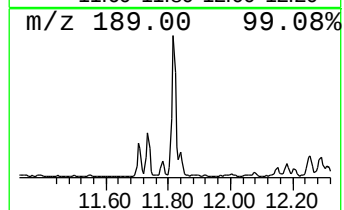
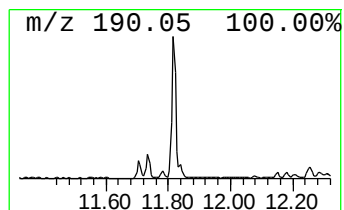
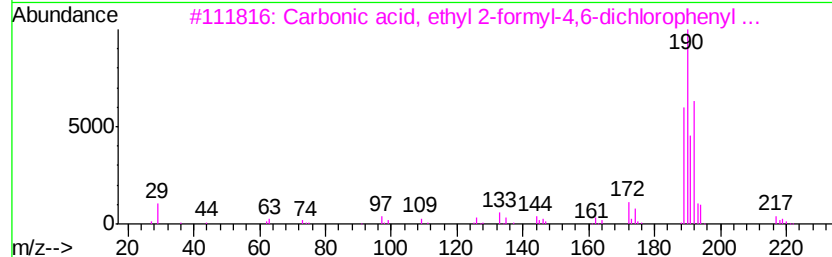
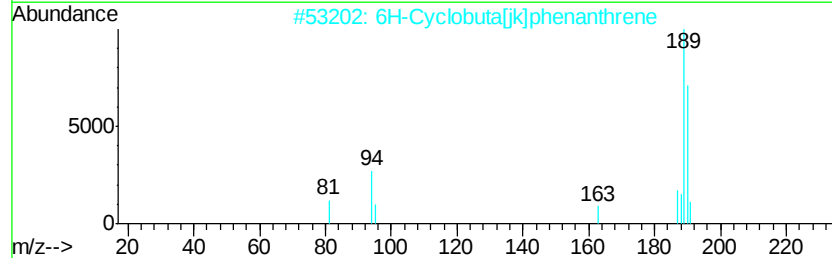
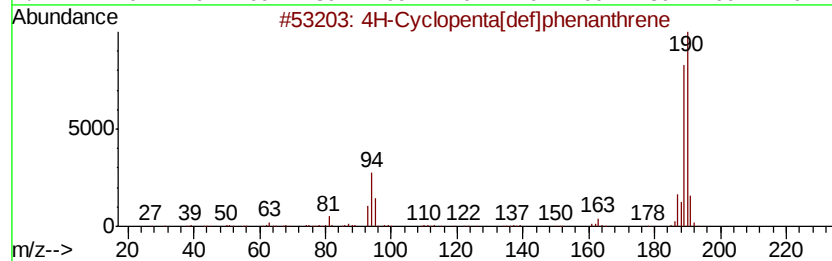
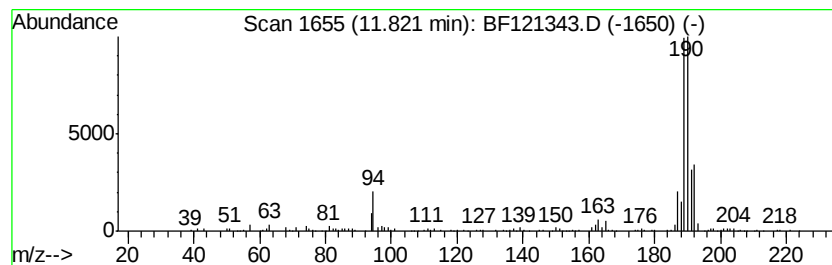
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.82	4.50 ng	292738	Phenanthrene-d10	11.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	53
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	2,3,5,6-Tetramethylterephthald...	190	C12H14O2	007072-01-7	43
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121343.D
Acq On : 20 Aug 2020 13:10
Operator : JU/CG
Sample : L3507-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-081820

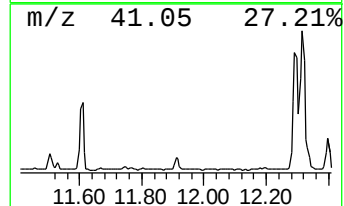
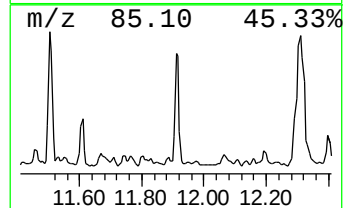
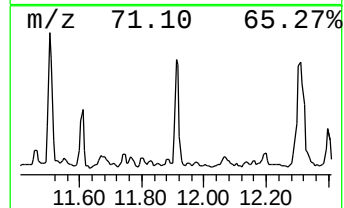
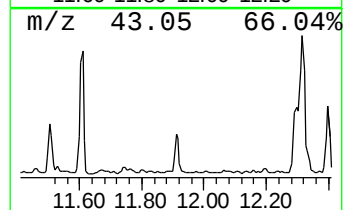
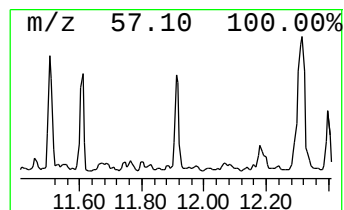
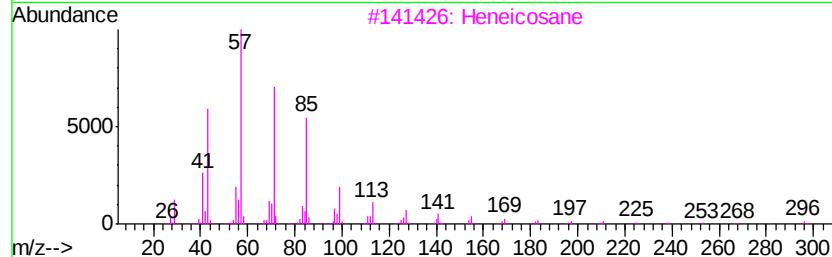
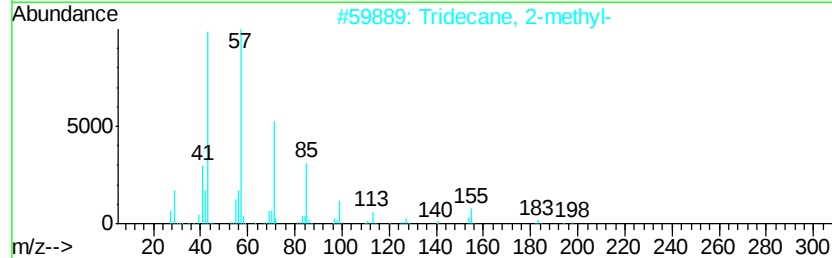
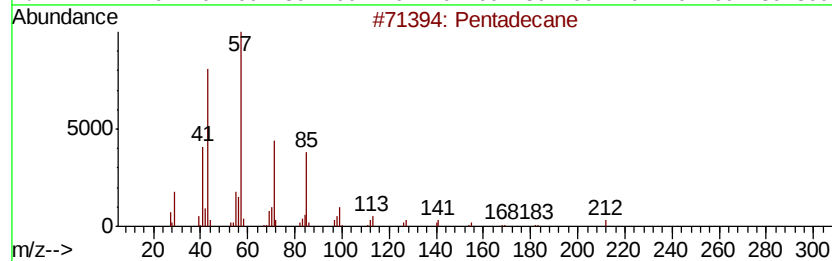
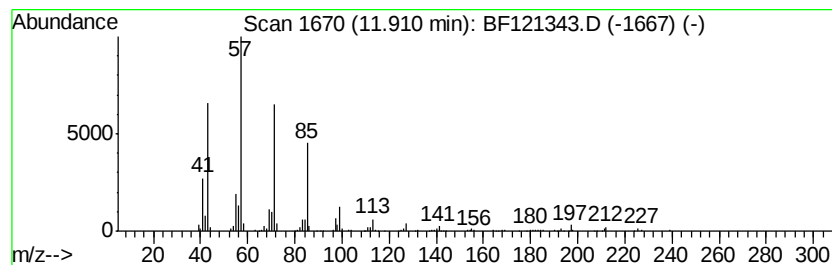
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pentadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	3.55 ng	230708	Phenanthrene-d10	11.20

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	92
2			Tridecane, 2-methyl-	198	C14H30	001560-96-9	91
3			Heneicosane	296	C21H44	000629-94-7	90
4			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
5			Tetradecane	198	C14H30	000629-59-4	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121343.D
Acq On : 20 Aug 2020 13:10
Operator : JU/CG
Sample : L3507-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-081820

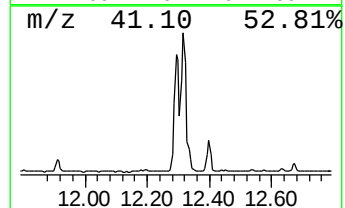
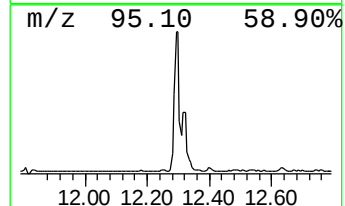
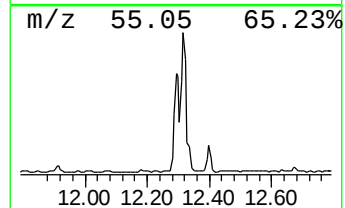
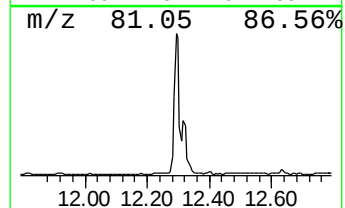
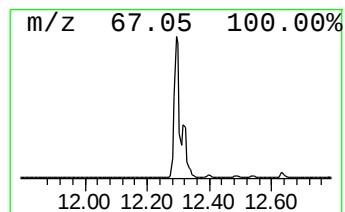
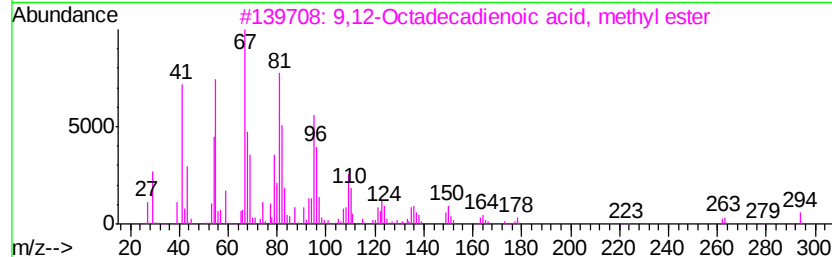
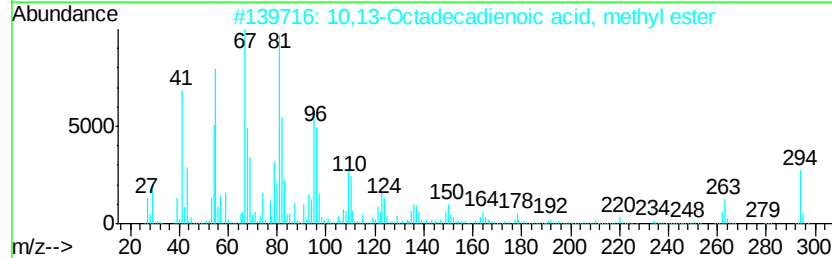
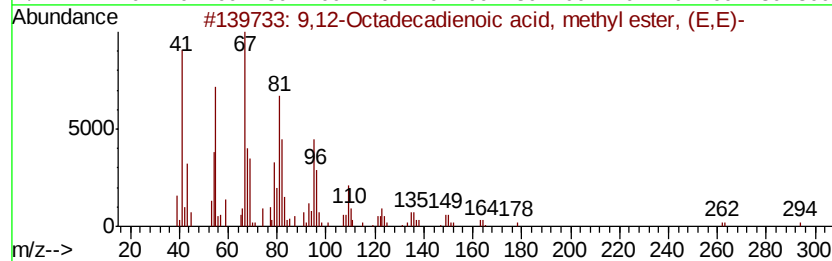
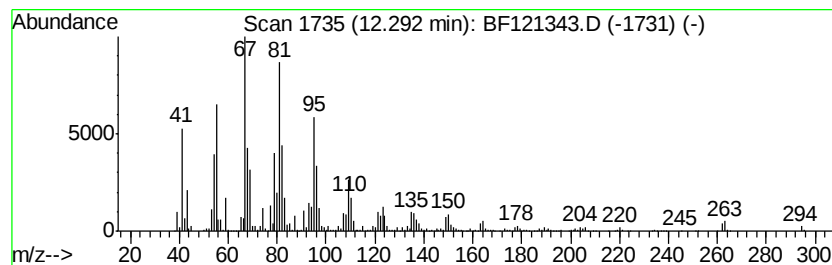
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	53.90 ng	3506040	Phenanthrene-d10	11.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2		10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3		9,12-Octadecadienoic acid, methv...	294	C19H34O2	002462-85-3	99
4		9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5		9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	98



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121343.D
Acq On : 20 Aug 2020 13:10
Operator : JU/CG
Sample : L3507-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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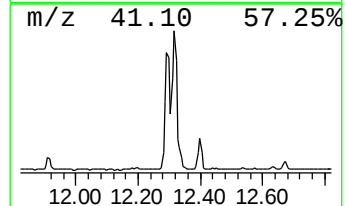
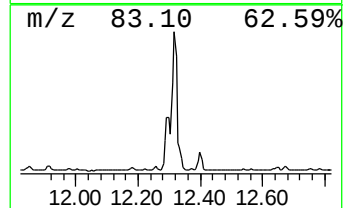
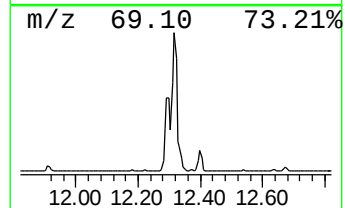
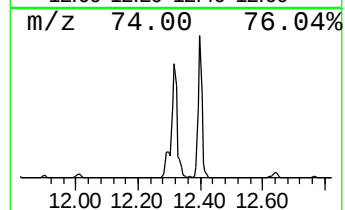
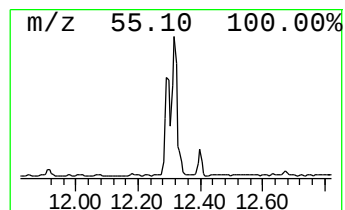
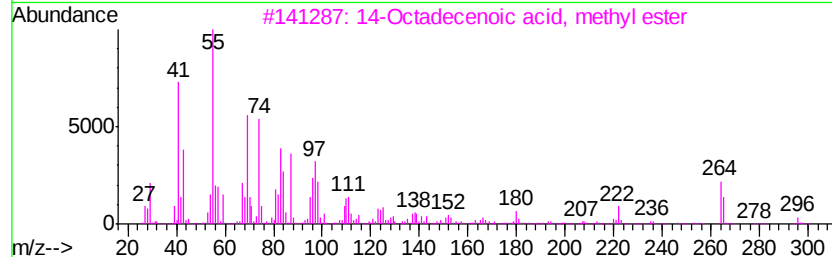
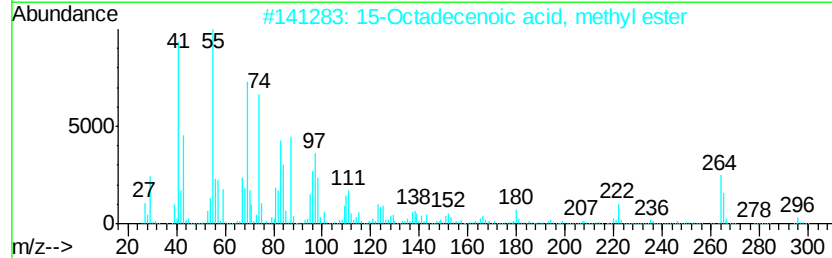
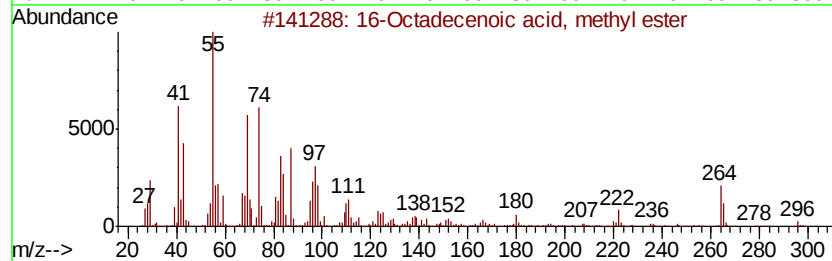
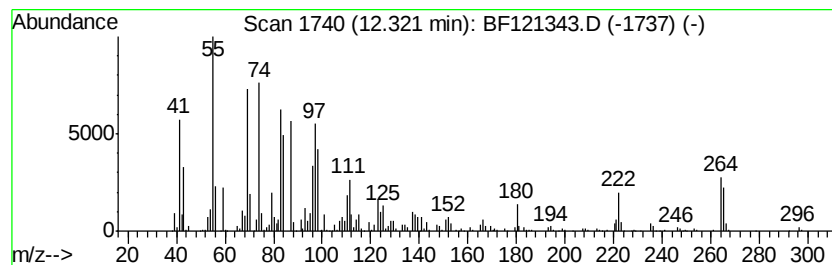
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 16-Octadecenoic acid, methyl ester Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	56.87 ng	3698860	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	95
2	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	94
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	94
4	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	94
5	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121343.D
Acq On : 20 Aug 2020 13:10
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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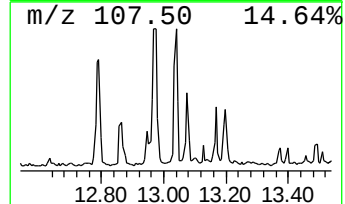
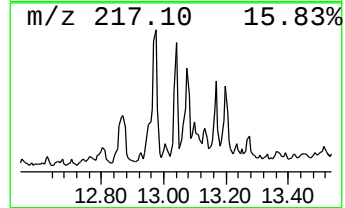
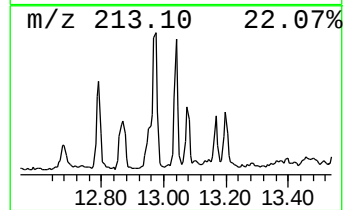
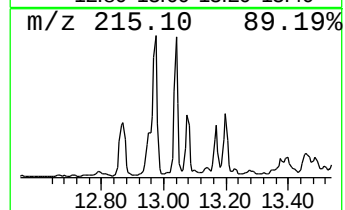
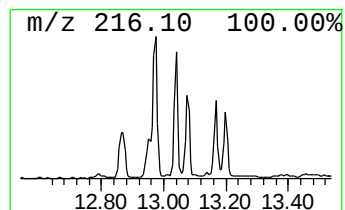
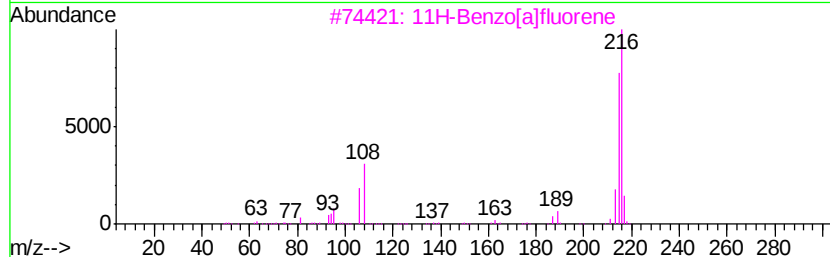
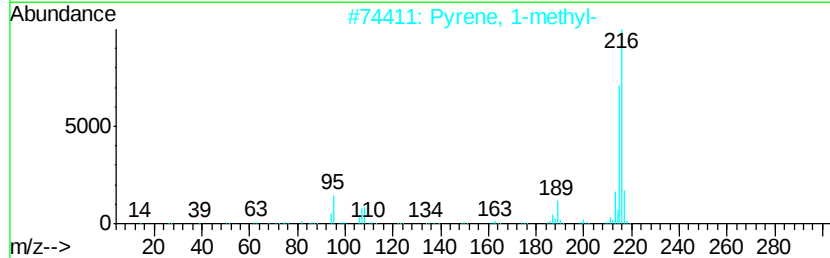
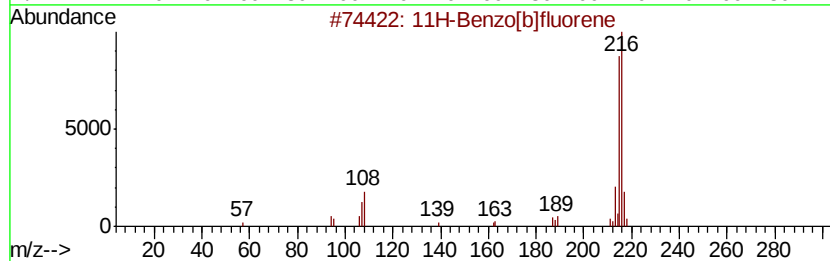
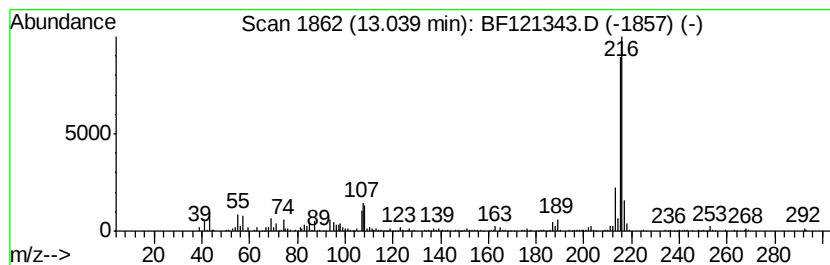
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	5.11 ng	393039	Chrysene-d12	13.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5			Pyrene, 4-methyl-	216	C17H12	003353-12-6	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121343.D
Acq On : 20 Aug 2020 13:10
Operator : JU/CG
Sample : L3507-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

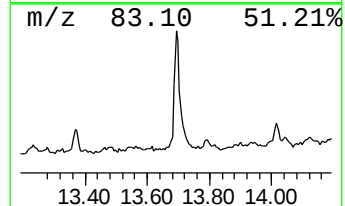
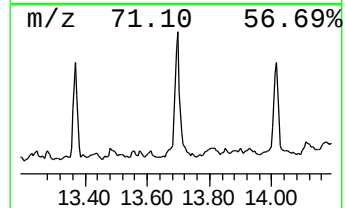
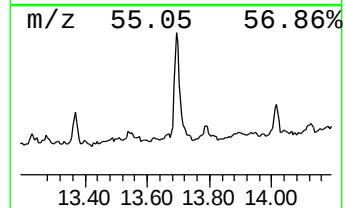
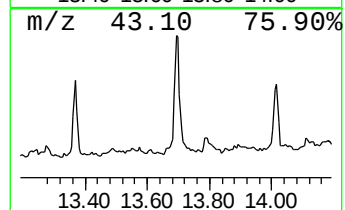
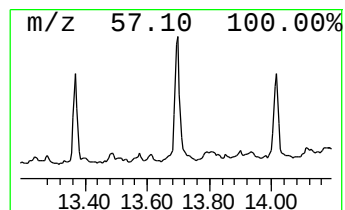
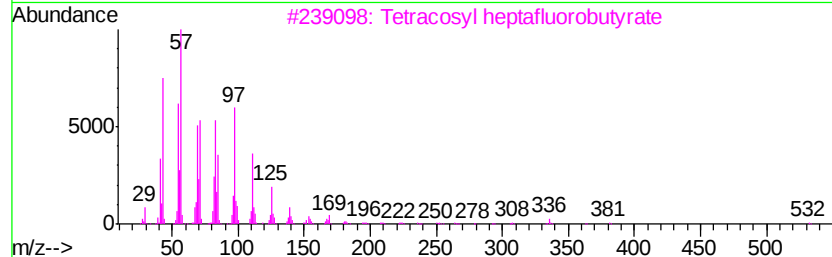
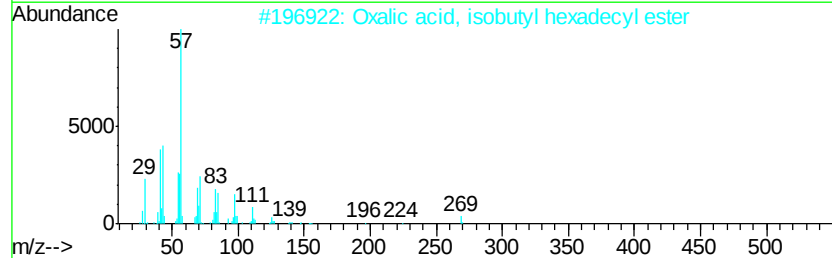
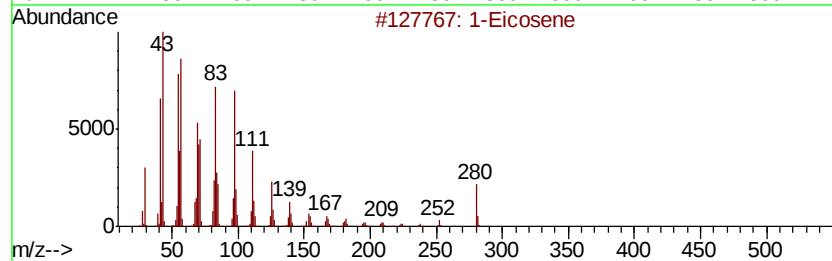
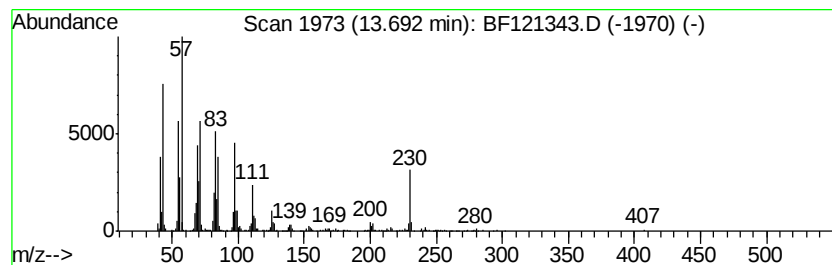
Instrument :
BNA_F
ClientSampleId :
SU-02-081820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1-Eicosene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.69	6.18 ng	475214	Chrysene-d12	13.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Eicosene	280	C20H40	003452-07-1	93
2	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	90
3	Tetracosyl heptafluorobutyrte	550	C28H49F7O2	1000351-83-7	90
4	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	87
5	Octacosyl heptafluorobutyrate	606	C32H57F7O2	1000351-83-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
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Acq On : 20 Aug 2020 13:10
Operator : JU/CG
Sample : L3507-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

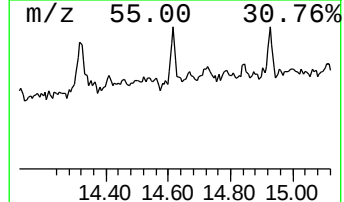
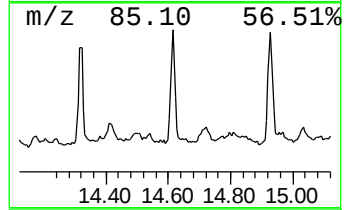
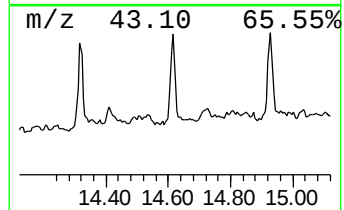
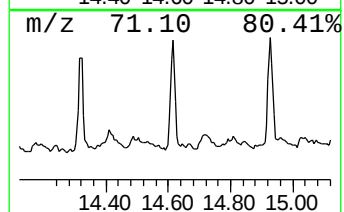
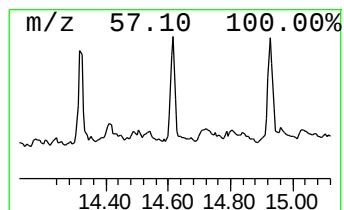
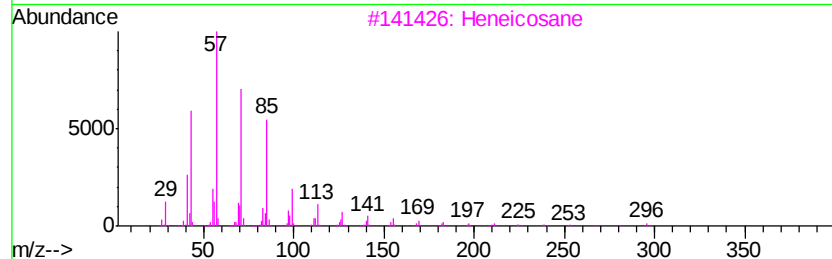
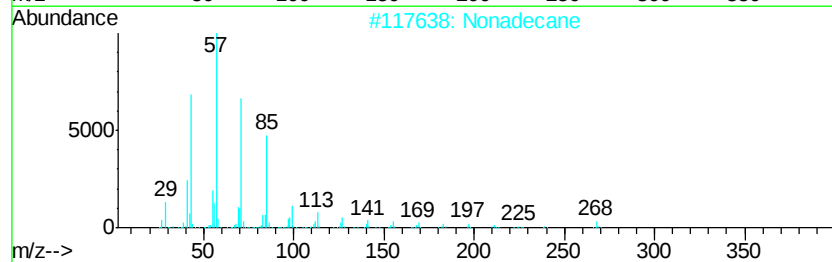
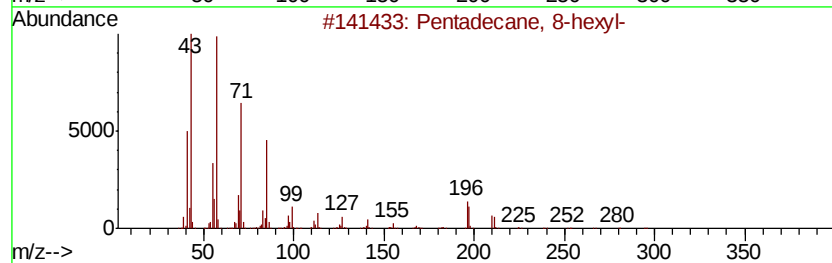
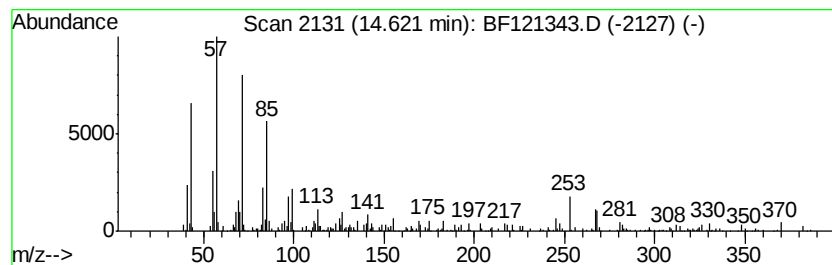
Instrument :
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ClientSampleId :
SU-02-081820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Pentadecane, 8-hexyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.62	3.08 ng	160377	Perylene-d12	15.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
2	Nonadecane	268	C19H40	000629-92-5	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121343.D
Acq On : 20 Aug 2020 13:10
Operator : JU/CG
Sample : L3507-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

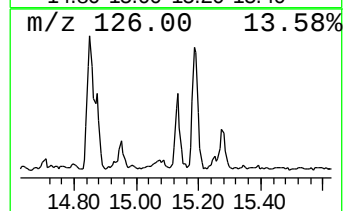
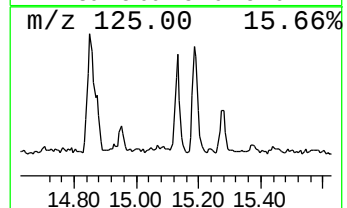
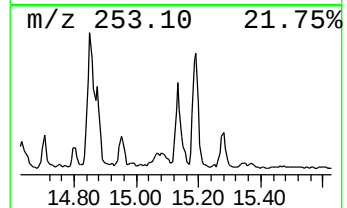
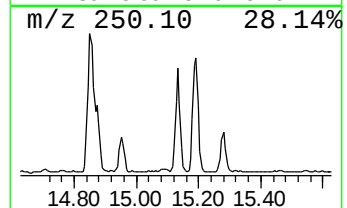
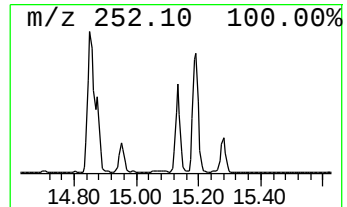
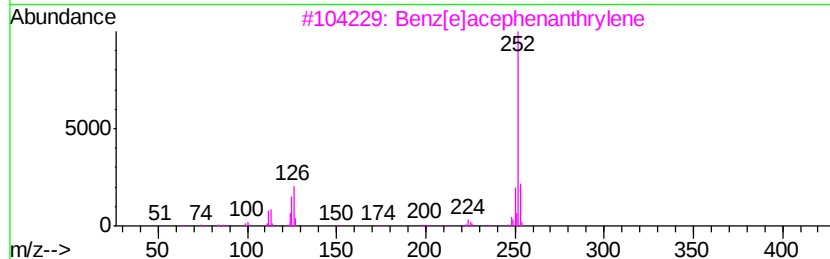
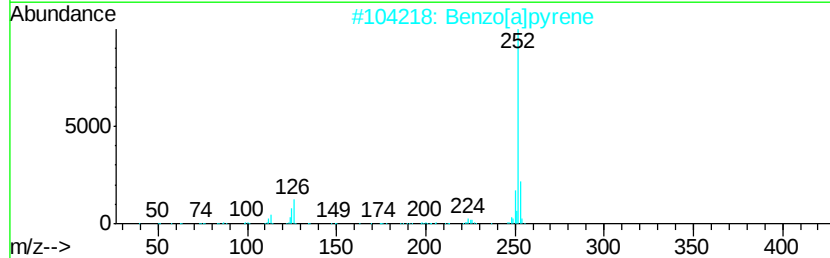
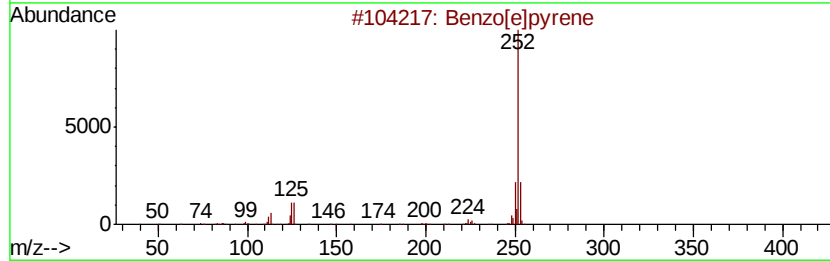
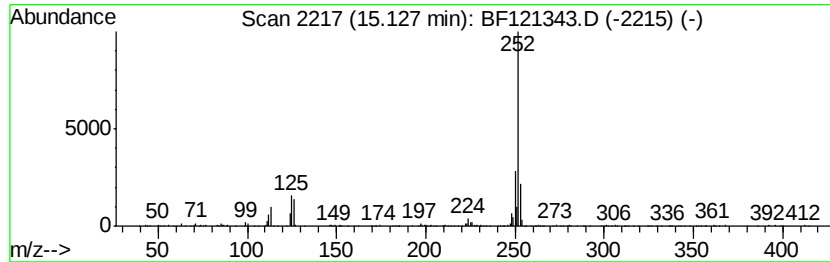
Instrument :
BNA_F
ClientSampleId :
SU-02-081820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.13	5.25 ng	273321	Perylene-d12	15.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
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Operator : JU/CG
Sample : L3507-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-081820

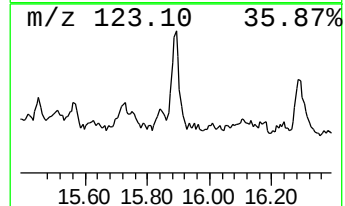
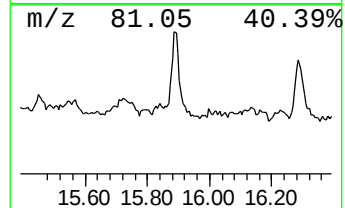
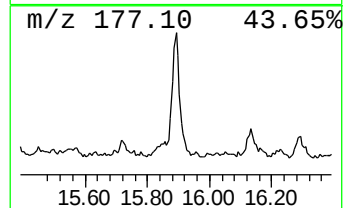
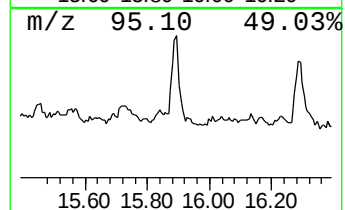
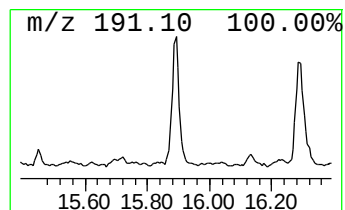
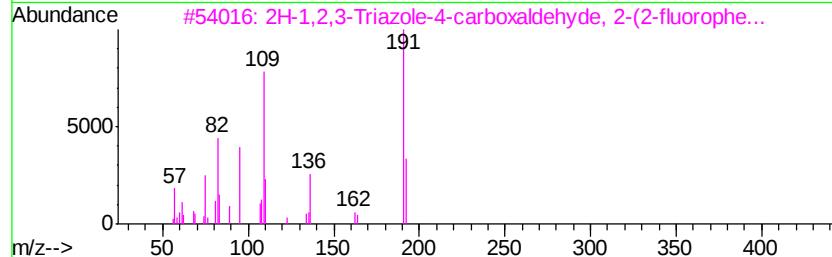
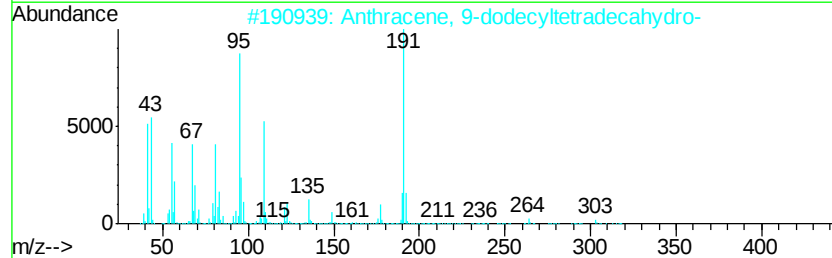
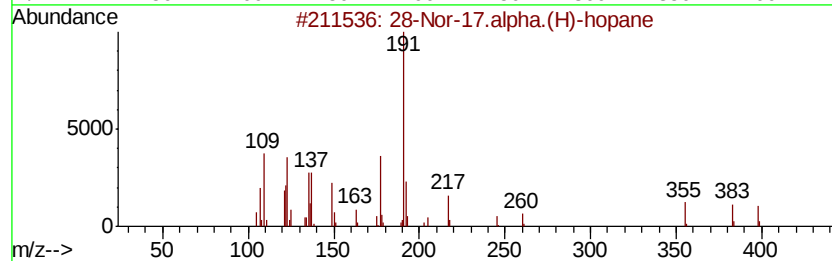
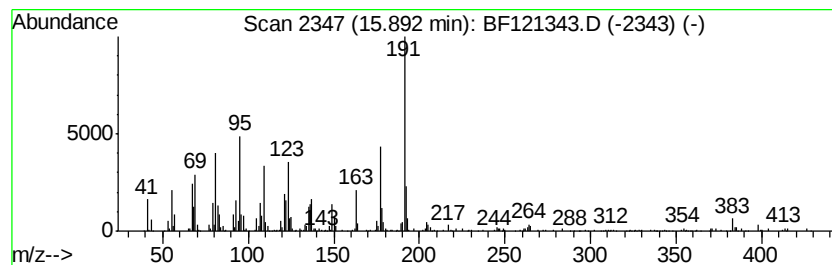
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 28-Nor-17.alpha.(H)-hopane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	8.12 ng	422883	Perylene-d12	15.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	72
2		Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	40
3		2H-1,2,3-Triazole-4-carboxaldehv...	191	C9H6FN3O	051306-43-5	38
4		Fumaric acid, di(2-isopropoxyph...	384	C22H24O6	1000344-85-0	35
5		28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082020\
 Data File : BF121343.D
 Acq On : 20 Aug 2020 13:10
 Operator : JU/CG
 Sample : L3507-08 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.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
Tridecane	8.57	3.3 ng		210700	2	7.97	1292000	20.0
Naphthalene, 1,2,...	8.79	2.5 ng		164862	2	7.97	1292000	20.0
Tetradecane	9.13	4.6 ng		328917	3	9.72	1420360	20.0
Decane, 2,3,5-tri...	9.66	4.2 ng		296245	3	9.72	1420360	20.0
Hexadecane	10.16	4.3 ng		301508	3	9.72	1420360	20.0
Heptadecane	10.63	7.8 ng		505326	4	11.20	1300890	20.0
Tridecane, 1-iodo-	11.08	5.2 ng		337473	4	11.20	1300890	20.0
Hexacosane	11.11	3.6 ng		231447	4	11.20	1300890	20.0
Heneicosane	11.50	4.3 ng		278522	4	11.20	1300890	20.0
Hexadecanoic acid...	11.61	24.7 ng		1605280	4	11.20	1300890	20.0
Phenanthrene, 2-m...	11.73	3.1 ng		203095	4	11.20	1300890	20.0
4H-Cyclopenta[def...	11.82	4.5 ng		292738	4	11.20	1300890	20.0
Pentadecane	11.91	3.5 ng		230708	4	11.20	1300890	20.0
9,12-Octadecadien...	12.29	53.9 ng		3506040	4	11.20	1300890	20.0
16-Octadecenoic a...	12.32	56.9 ng		3698860	4	11.20	1300890	20.0
11H-Benzo[b]fluorene	13.04	5.1 ng		393039	5	13.84	1537710	20.0
1-Eicosene	13.69	6.2 ng		475214	5	13.84	1537710	20.0
Pentadecane, 8-he...	14.62	3.1 ng		160377	6	15.25	1041640	20.0
Benzo[e]pyrene	15.13	5.3 ng		273321	6	15.25	1041640	20.0
28-Nor-17.alpha.(...	15.89	8.1 ng		422883	6	15.25	1041640	20.0