

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113858.D
 Acq On : 19 Apr 2019 15:11
 Operator : JU/SJ
 Sample : K2199-13 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-A

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-BF041819.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	5.516	578	583	586	rBV	1573626	1399404	38.45%	2.883%
2	6.516	749	753	756	rBV	1722875	1382814	37.99%	2.848%
3	6.663	774	778	782	rBV	1674162	1485768	40.82%	3.060%
4	6.898	814	818	822	rBV	1170398	912707	25.08%	1.880%
5	7.057	841	845	848	rBV	1397986	1147138	31.52%	2.363%
6	7.451	904	912	915	rBV	1025118	840386	23.09%	1.731%
7	8.181	1031	1036	1038	rBV	1359306	1172372	32.21%	2.415%
8	8.198	1038	1039	1043	rVB	124133	103914	2.86%	0.214%
9	8.481	1081	1087	1089	rBV4	48160	57532	1.58%	0.119%
10	8.610	1106	1109	1111	rBV	74183	69771	1.92%	0.144%
11	8.775	1134	1137	1141	rBV2	136426	137147	3.77%	0.282%
12	8.892	1151	1157	1162	rVB2	152365	176920	4.86%	0.364%
13	8.992	1167	1174	1179	rBV2	176763	212732	5.84%	0.438%
14	9.210	1208	1211	1215	rVB2	113157	98986	2.72%	0.204%
15	9.257	1215	1219	1222	rBV	1655236	1468687	40.35%	3.025%
16	9.345	1230	1234	1238	rBV2	174239	213218	5.86%	0.439%
17	9.451	1250	1252	1257	rVB3	43243	58251	1.60%	0.120%
18	9.516	1260	1263	1268	rVB2	105189	145340	3.99%	0.299%
19	9.592	1271	1276	1279	rBV	180629	200560	5.51%	0.413%
20	9.622	1279	1281	1283	rVB	124069	85129	2.34%	0.175%
21	9.645	1283	1285	1287	rBV	145267	144824	3.98%	0.298%
22	9.710	1294	1296	1301	rVB2	94632	125421	3.45%	0.258%
23	9.798	1308	1311	1316	rBV	189978	185576	5.10%	0.382%
24	9.875	1321	1324	1326	rVB	148786	126723	3.48%	0.261%
25	9.939	1331	1335	1338	rVV	1292904	1232461	33.86%	2.539%
26	9.969	1338	1340	1343	rVV	380038	301911	8.30%	0.622%
27	10.045	1350	1353	1357	rVB2	67139	82643	2.27%	0.170%
28	10.098	1357	1362	1366	rBV4	56136	115677	3.18%	0.238%
29	10.139	1366	1369	1372	rVV	343713	300840	8.27%	0.620%
30	10.181	1373	1376	1377	rVV	93192	77809	2.14%	0.160%
31	10.198	1377	1379	1383	rVV3	55772	66215	1.82%	0.136%
32	10.257	1386	1389	1391	rVV	81920	85827	2.36%	0.177%
33	10.375	1406	1409	1411	rVB2	163681	145224	3.99%	0.299%
34	10.433	1416	1419	1421	rVV2	62163	62745	1.72%	0.129%

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
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35	10.481	1424	1427	1434	rVV	507153	485695	13.34%	1.000%
36	10.551	1434	1439	1441	rVV2	92924	125965	3.46%	0.259%
37	10.598	1444	1447	1452	rVV3	140940	186357	5.12%	0.384%
38	10.639	1452	1454	1459	rVB	127593	117875	3.24%	0.243%
39	10.722	1464	1468	1472	rVV	1259822	1132884	31.13%	2.334%
40	10.763	1472	1475	1481	rVB7	39374	71596	1.97%	0.147%
41	10.845	1486	1489	1496	rVB2	273880	352509	9.69%	0.726%
42	11.033	1516	1521	1523	rBV2	123498	141731	3.89%	0.292%
43	11.057	1523	1525	1530	rVV3	94243	125365	3.44%	0.258%
44	11.116	1532	1535	1538	rVV2	78523	71844	1.97%	0.148%
45	11.169	1538	1544	1545	rVV3	60568	95703	2.63%	0.197%
46	11.186	1545	1547	1551	rVV2	86490	86171	2.37%	0.177%
47	11.228	1552	1554	1558	rVB3	55022	61838	1.70%	0.127%
48	11.275	1558	1562	1563	rBV	72223	72440	1.99%	0.149%
49	11.298	1563	1566	1568	rVV	199763	200533	5.51%	0.413%
50	11.322	1568	1570	1575	rVB2	259707	293796	8.07%	0.605%
51	11.428	1584	1588	1590	rBV	1443951	1395040	38.33%	2.874%
52	11.451	1590	1592	1595	rVV	2603875	2045955	56.21%	4.214%
53	11.498	1598	1600	1604	rVV	731398	672311	18.47%	1.385%
54	11.533	1604	1606	1610	rVV4	69997	86614	2.38%	0.178%
55	11.651	1623	1626	1629	rBV	127908	110706	3.04%	0.228%
56	11.728	1636	1639	1642	rBV	225664	198199	5.45%	0.408%
57	11.763	1642	1645	1648	rBV	125667	100272	2.76%	0.207%
58	11.851	1657	1660	1663	rVB	81606	88748	2.44%	0.183%
59	11.939	1672	1675	1677	rBV	344776	313677	8.62%	0.646%
60	11.969	1677	1680	1684	rVB	636664	597618	16.42%	1.231%
61	12.022	1685	1689	1691	rBV	196676	197225	5.42%	0.406%
62	12.057	1691	1695	1698	rBV	782349	862750	23.70%	1.777%
63	12.157	1709	1712	1715	rBV2	173620	140631	3.86%	0.290%
64	12.251	1725	1728	1730	rBV	247146	200377	5.51%	0.413%
65	12.410	1753	1755	1758	rVB	97986	84124	2.31%	0.173%
66	12.445	1758	1761	1763	rBV	101255	91830	2.52%	0.189%
67	12.469	1763	1765	1768	rVB2	118988	105264	2.89%	0.217%
68	12.527	1771	1775	1778	rBV	249796	295478	8.12%	0.609%
69	12.575	1778	1783	1787	rVB2	244332	395815	10.88%	0.815%
70	12.616	1787	1790	1796	rBV3	116446	174338	4.79%	0.359%
71	12.704	1800	1805	1808	rBV	3602145	3393696	93.24%	6.990%

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72	12.751	1811	1813	1819	rVB3	156425	213139	5.86%	0.439%
73	12.804	1819	1822	1826	rBV2	98147	144440	3.97%	0.298%
74	12.869	1830	1833	1837	rVB	150293	154881	4.26%	0.319%
75	12.957	1841	1848	1851	rBV	3050160	3639619	100.00%	7.497%
76	13.086	1867	1870	1872	rBV	190615	178434	4.90%	0.368%
77	13.116	1872	1875	1883	rVB	1956066	1990595	54.69%	4.100%
78	13.204	1885	1890	1893	rBV3	201673	322014	8.85%	0.663%
79	13.327	1908	1911	1915	rVB	545202	575216	15.80%	1.185%
80	13.404	1921	1924	1927	rBV	599025	571041	15.69%	1.176%
81	13.445	1928	1931	1935	rBV2	319219	369236	10.14%	0.761%
82	13.557	1947	1950	1953	rVB	217579	202004	5.55%	0.416%
83	13.592	1953	1956	1960	rBV	227472	223110	6.13%	0.460%
84	13.821	1991	1995	1999	rVB2	175480	248631	6.83%	0.512%
85	14.063	2032	2036	2040	rBV2	234326	344359	9.46%	0.709%
86	14.098	2040	2042	2045	rVV	202932	218621	6.01%	0.450%
87	14.127	2045	2047	2052	rVB2	162211	209911	5.77%	0.432%
88	14.227	2062	2064	2067	rBV	126665	119811	3.29%	0.247%
89	14.374	2084	2089	2093	rBV2	1757867	3060096	84.08%	6.303%
90	14.410	2093	2095	2098	rVB	1083456	1021824	28.08%	2.105%
91	14.510	2110	2112	2115	rVB	221369	194205	5.34%	0.400%
92	14.645	2132	2135	2141	rVB3	127404	193748	5.32%	0.399%
93	14.880	2173	2175	2179	rVB	221719	232882	6.40%	0.480%
94	15.004	2194	2196	2199	rVB2	142523	136634	3.75%	0.281%
95	15.057	2201	2205	2214	rVB6	195120	470854	12.94%	0.970%
96	15.715	2313	2317	2320	rBV	760198	1153402	31.69%	2.376%
97	16.057	2371	2375	2378	rBV	423089	498364	13.69%	1.027%
98	16.121	2382	2386	2390	rVB	749527	894721	24.58%	1.843%
99	16.192	2394	2398	2401	rBV	762440	885866	24.34%	1.825%
100	17.745	2658	2662	2670	rVB2	257750	484314	13.31%	0.998%

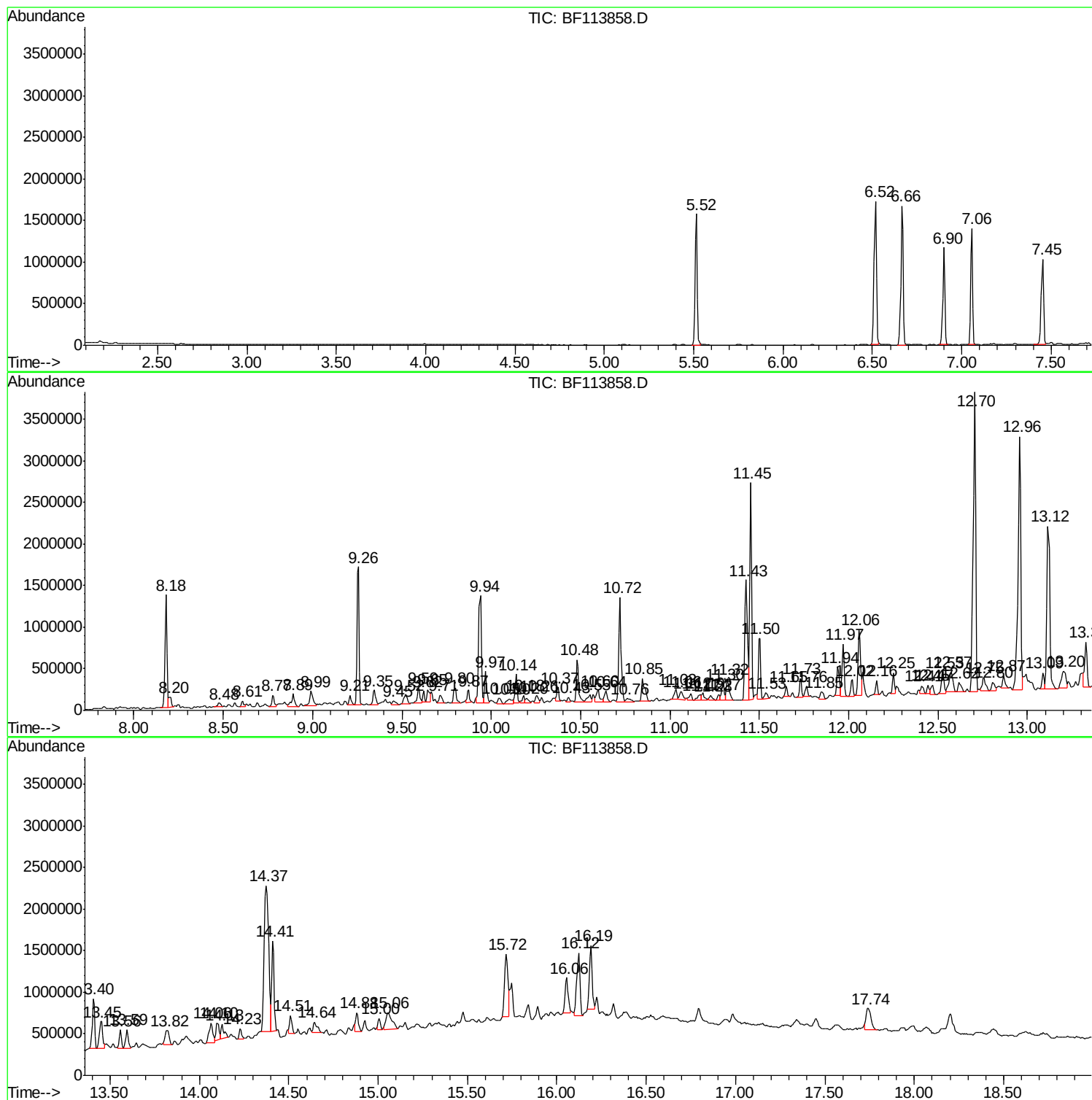
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OR-03-041819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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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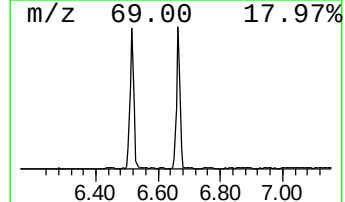
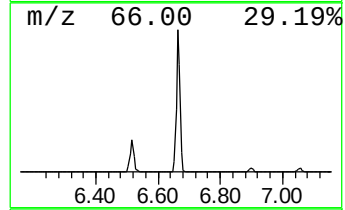
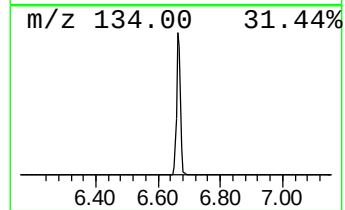
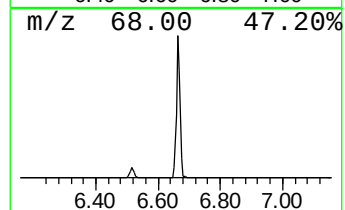
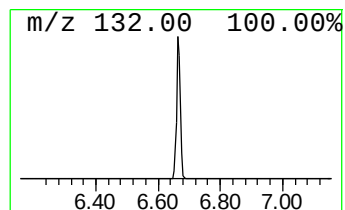
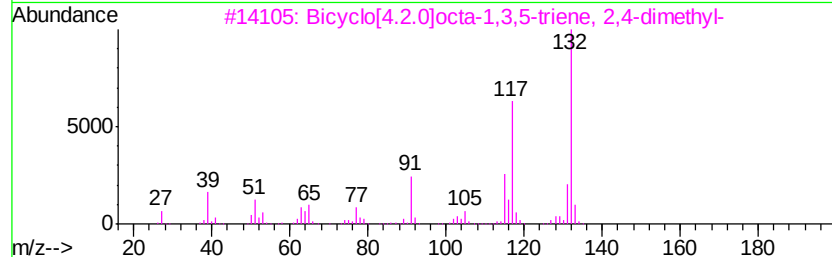
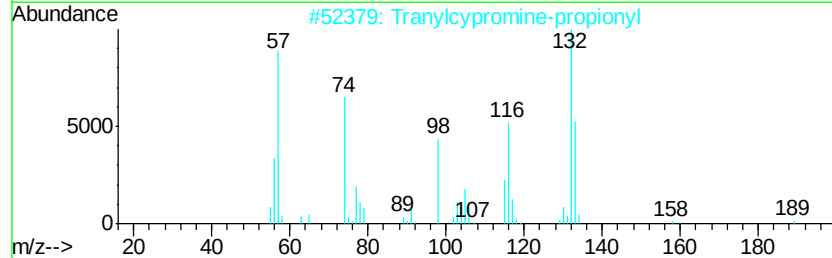
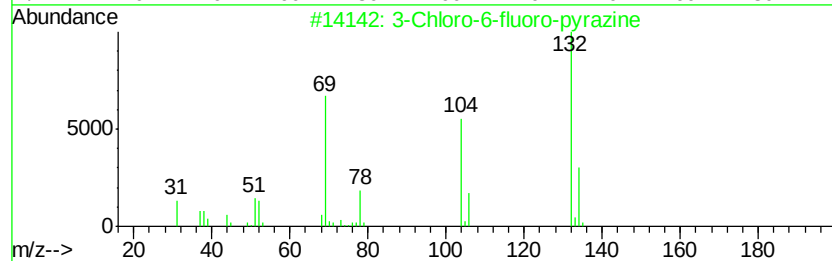
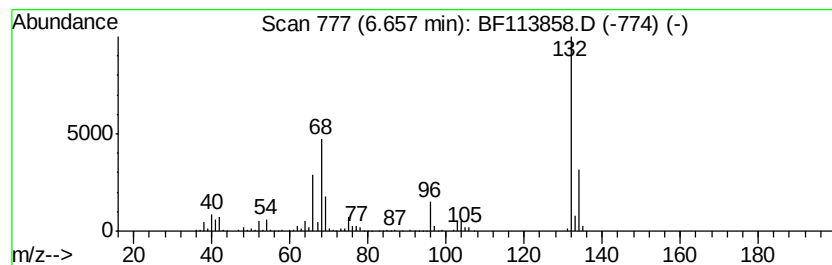
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	32.56 ng	1485770	1,4-Dichlorobenzene-d4	6.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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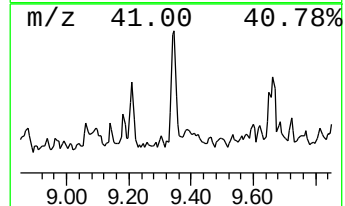
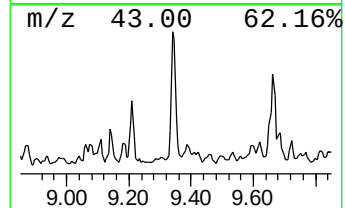
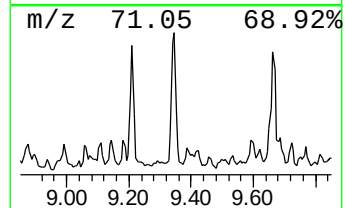
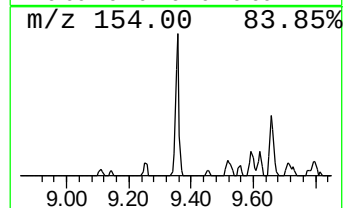
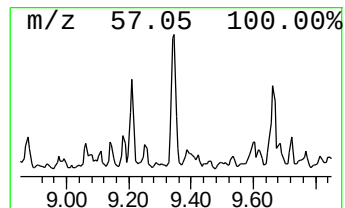
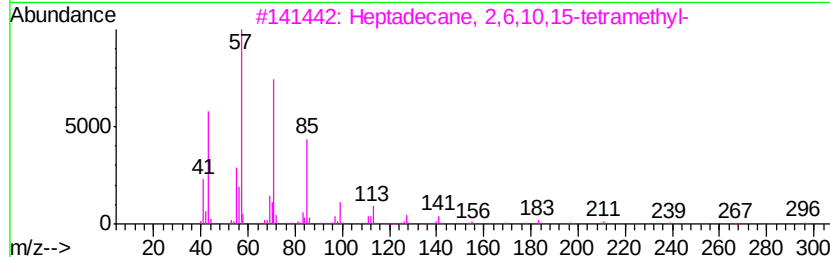
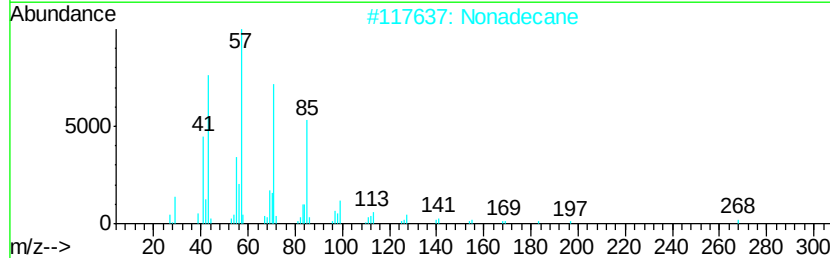
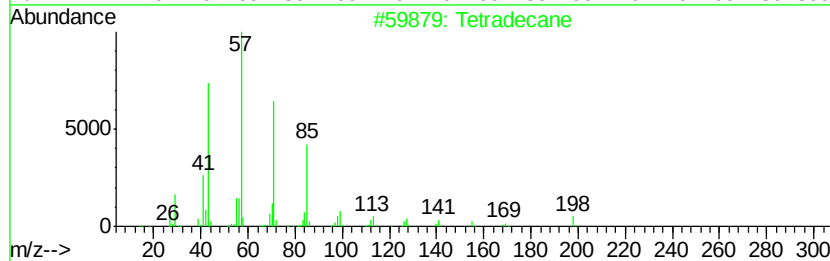
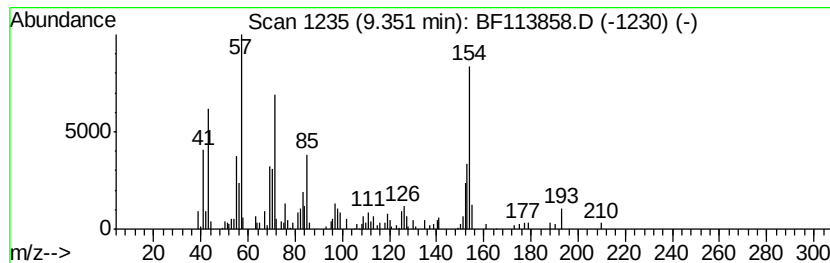
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Tetradecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.35	3.46 ng	213218	Acenaphthene-d10	9.94	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Nonadecane	268	C19H40	000629-92-5	87
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
4	Tridecane	184	C13H28	000629-50-5	80
5	Hexadecane	226	C16H34	000544-76-3	72



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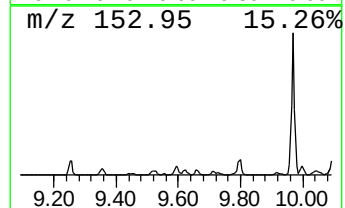
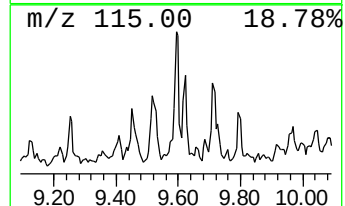
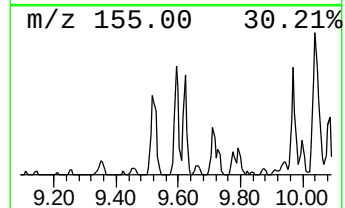
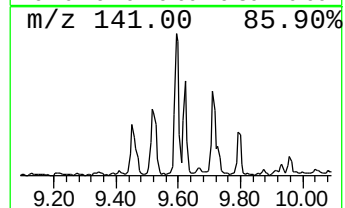
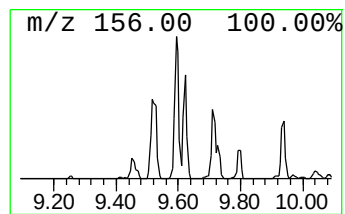
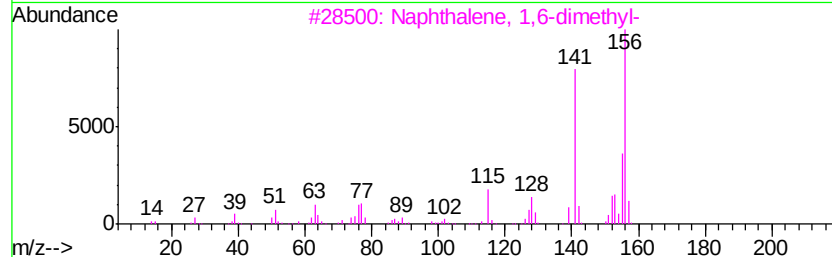
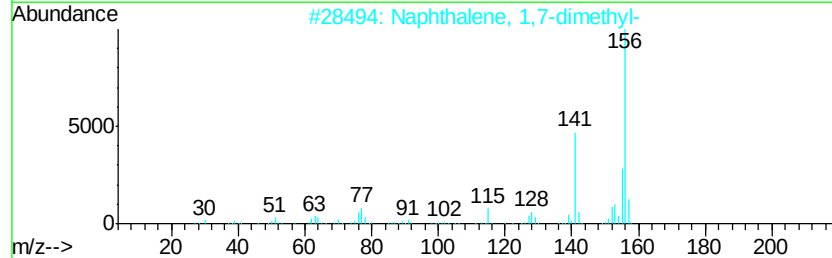
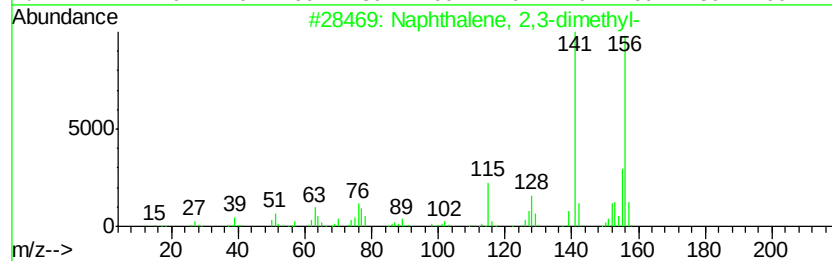
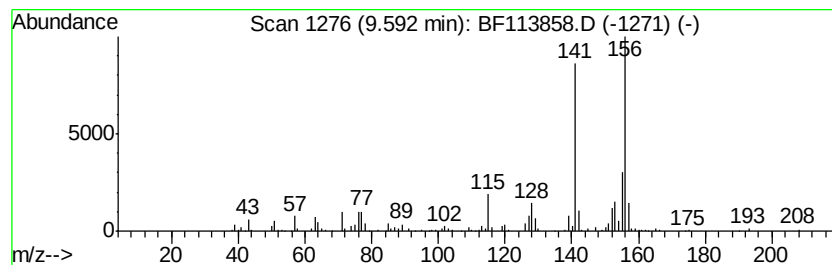
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.59	3.25 ng	200560	Acenaphthene-d10	9.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97



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Sample : K2199-13 2X
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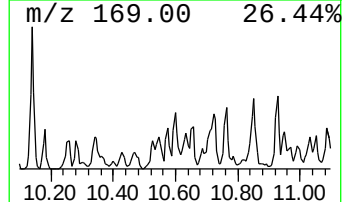
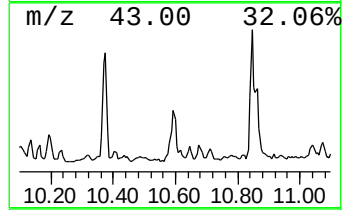
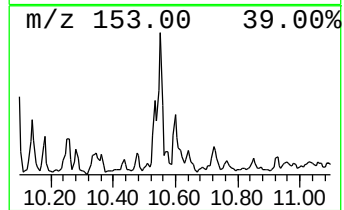
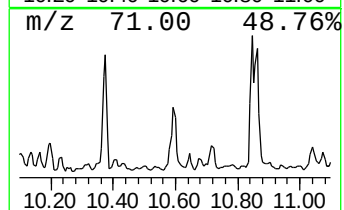
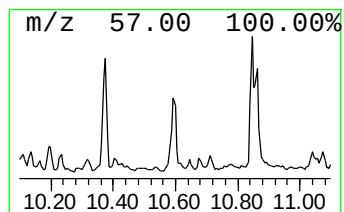
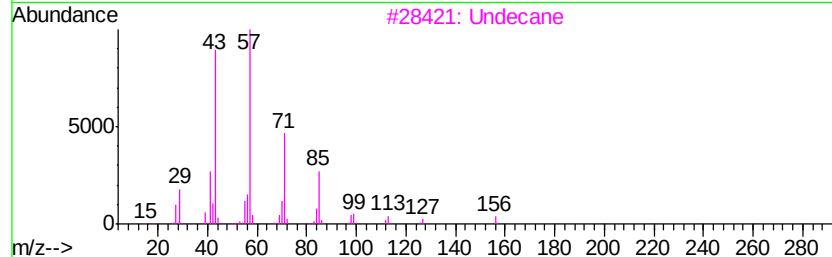
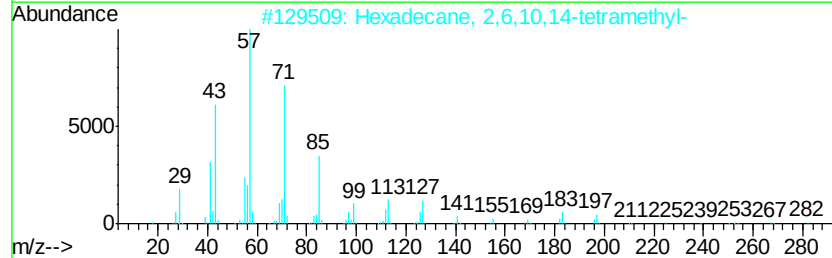
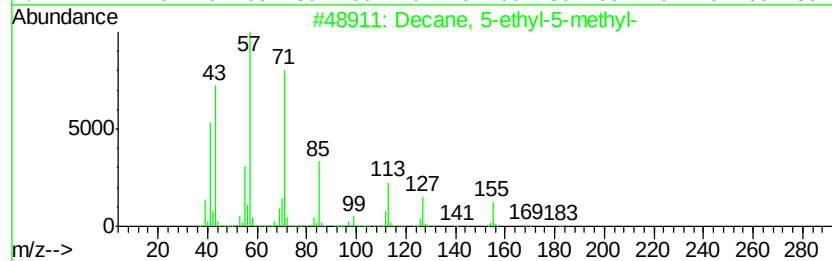
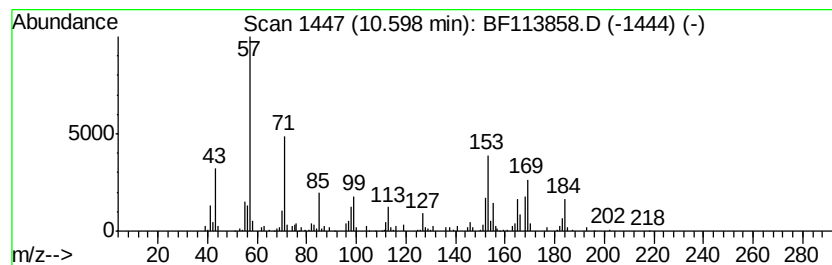
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown10.60 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.60	3.02 ng	186357	Acenaphthene-d10	9.94	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-ethyl-5-methyl-	184	C13H28	017312-74-2	27
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	25
3	Undecane	156	C11H24	001120-21-4	22
4	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	22
5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	22



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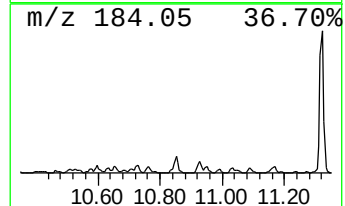
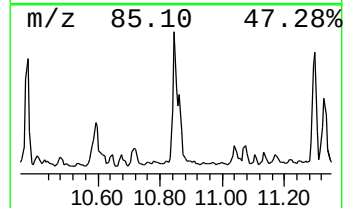
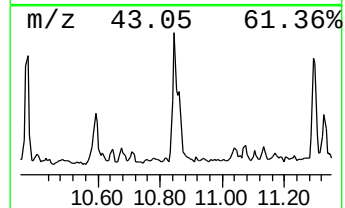
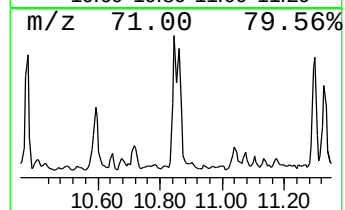
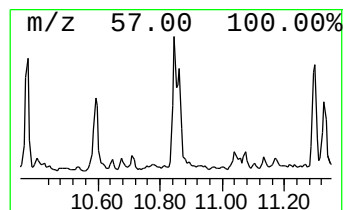
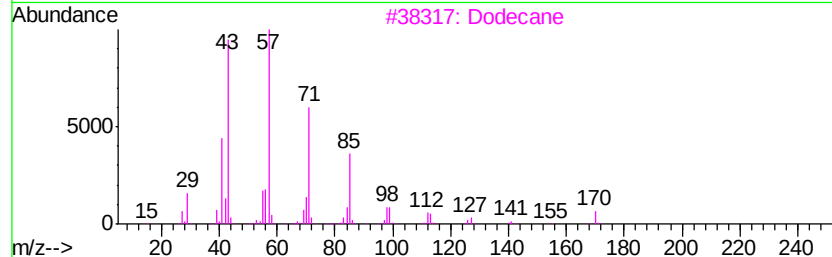
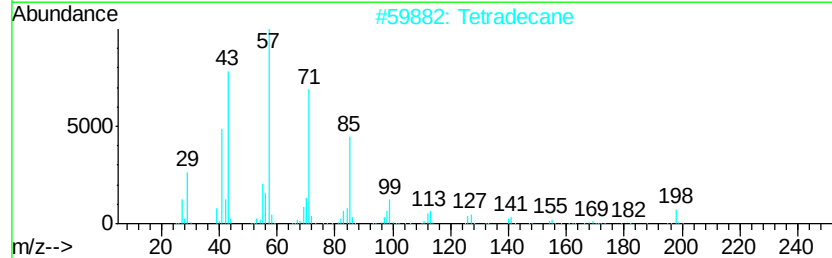
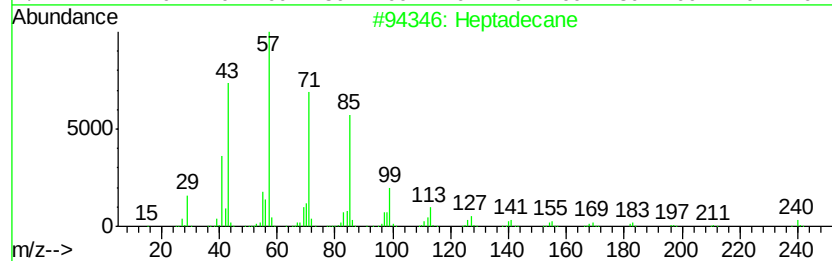
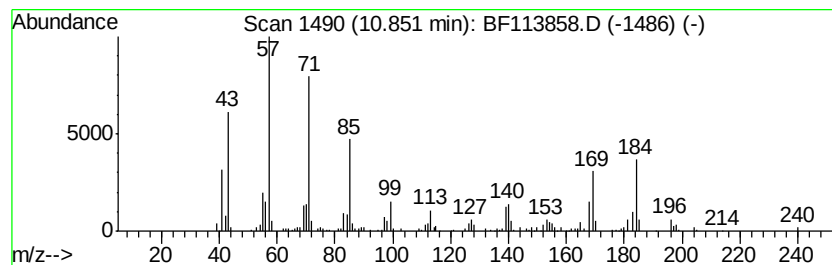
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Tetradecane, 2,6,10-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	5.05 ng	352509	Phenanthrene-d10	11.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	90
2		Tetradecane	198	C14H30	000629-59-4	89
3		Dodecane	170	C12H26	000112-40-3	76
4		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	76
5		Tridecane	184	C13H28	000629-50-5	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
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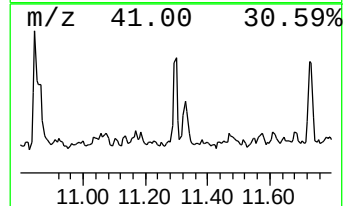
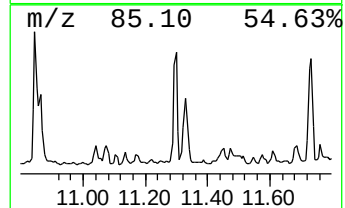
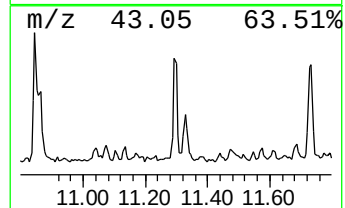
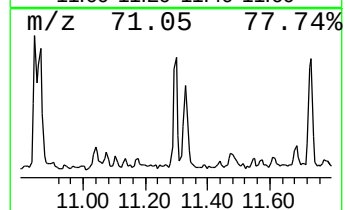
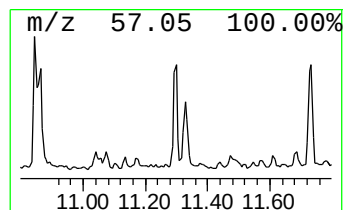
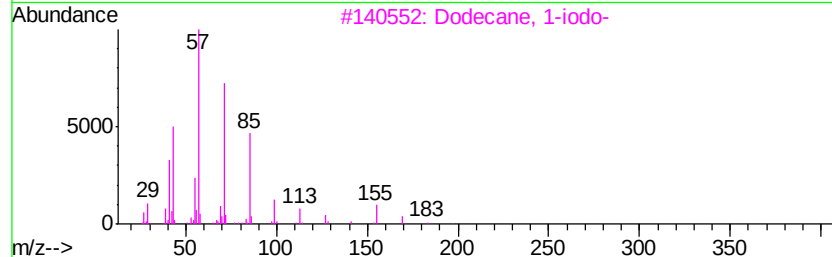
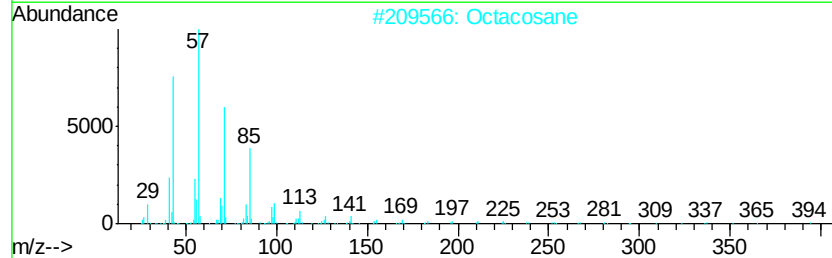
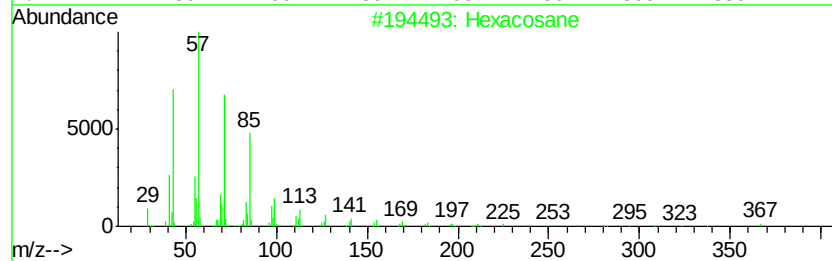
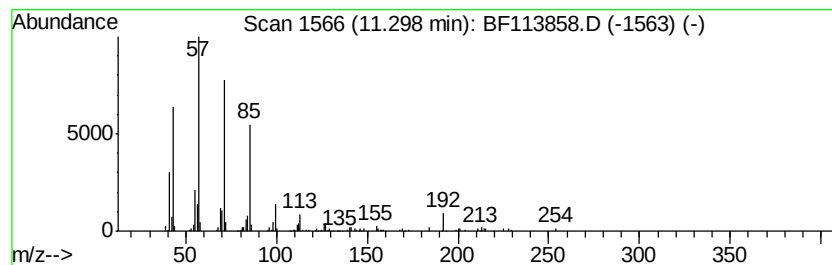
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexacosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	2.87 ng	200533	Phenanthrene-d10	11.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	80
2		Octacosane	394	C28H58	000630-02-4	80
3		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
4		Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	72
5		Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
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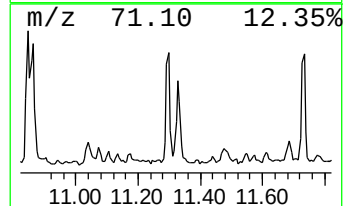
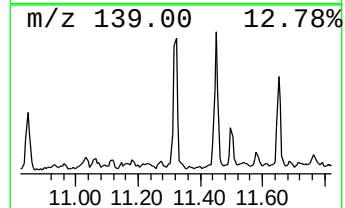
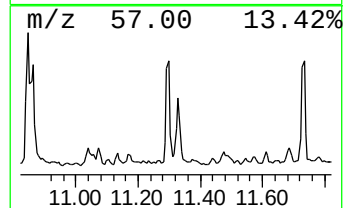
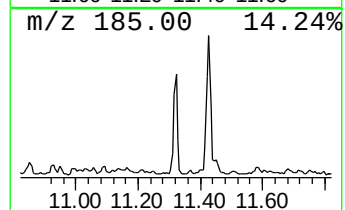
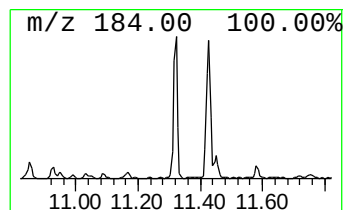
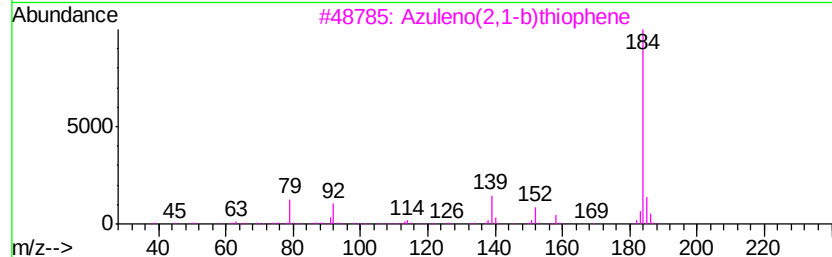
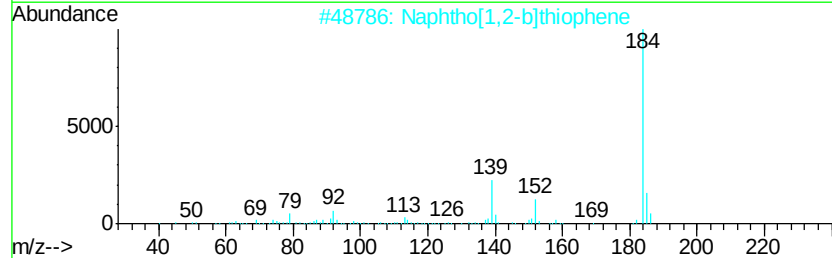
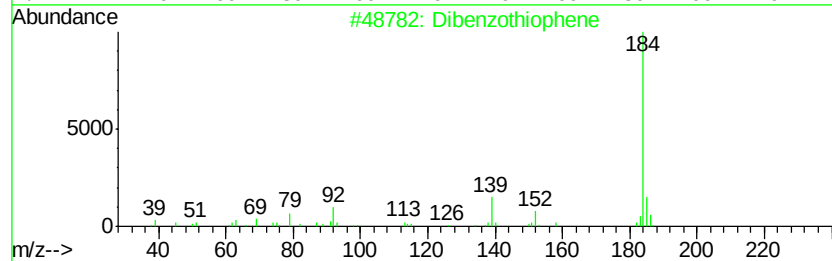
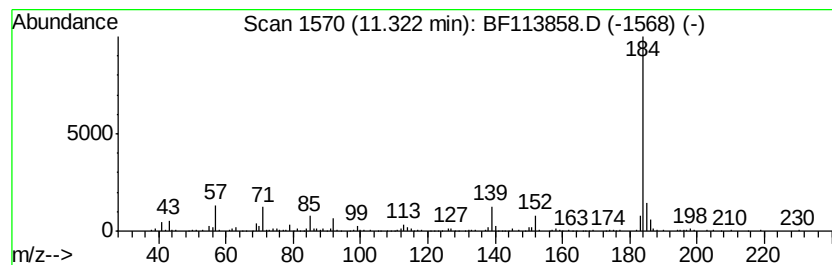
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.32	4.21 ng	293796	Phenanthrene-d10		11.43
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
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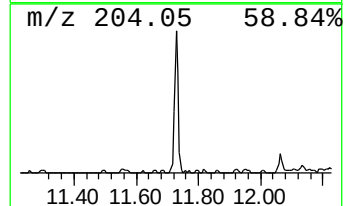
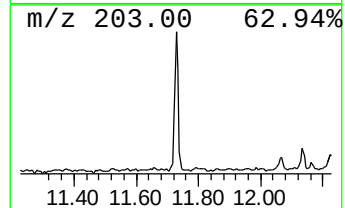
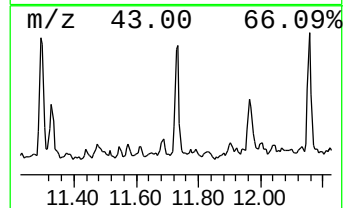
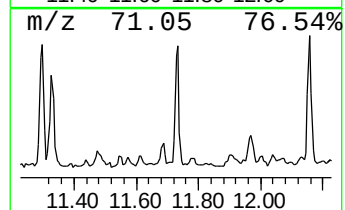
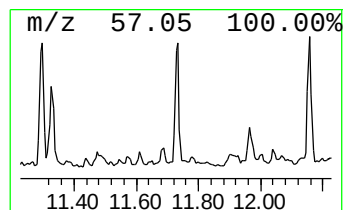
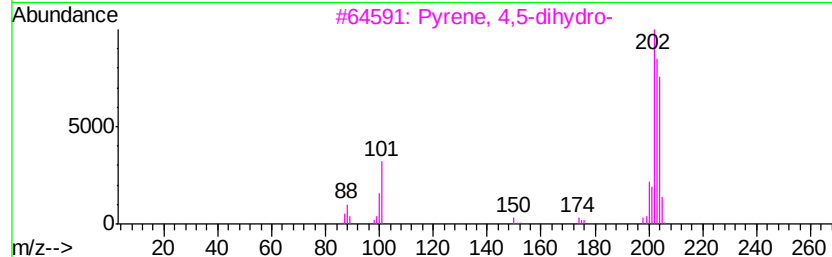
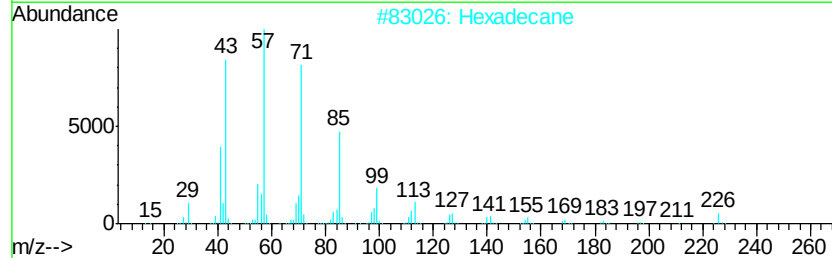
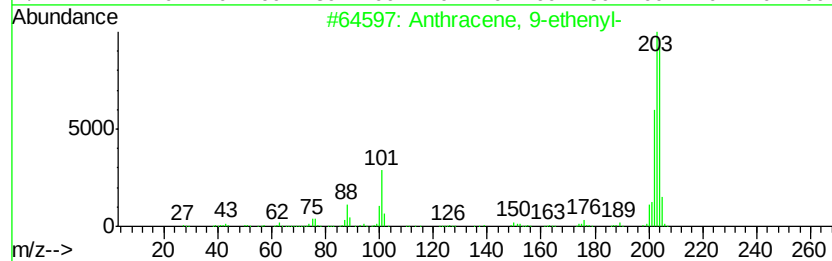
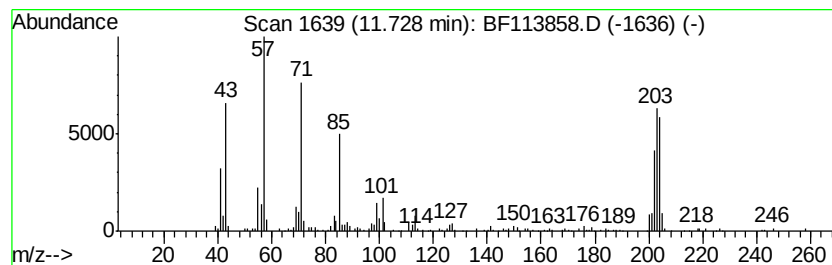
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 9-ethenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.73	2.84 ng	198199	Phenanthrene-d10		11.43
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	72
2	Hexadecane	226	C16H34	000544-76-3	64
3	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	58
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	50
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	50



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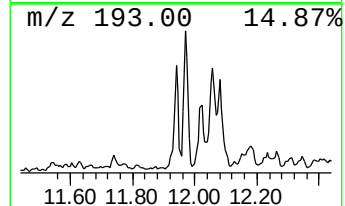
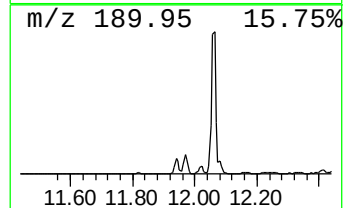
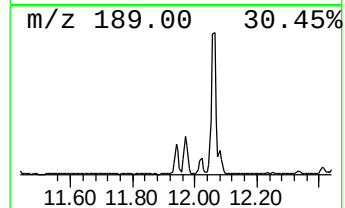
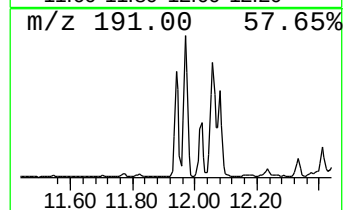
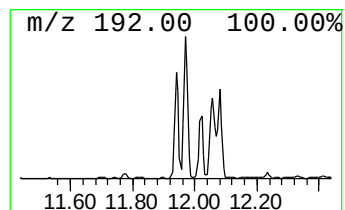
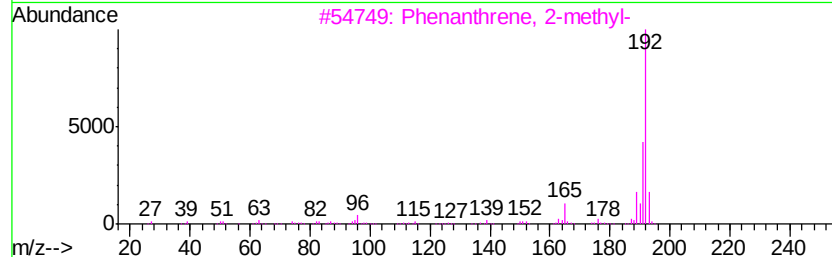
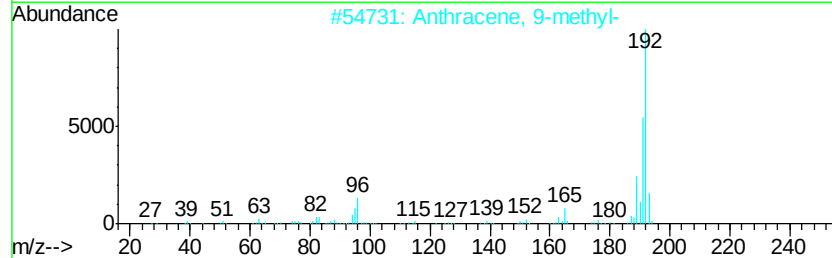
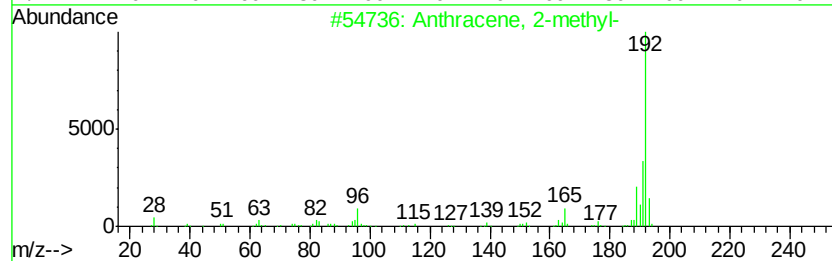
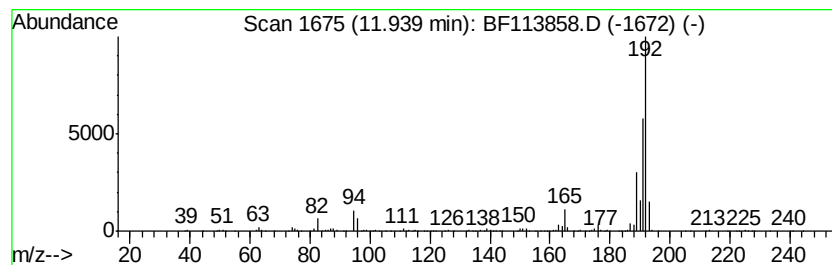
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.94	4.50 ng	313677	Phenanthrene-d10	11.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	81



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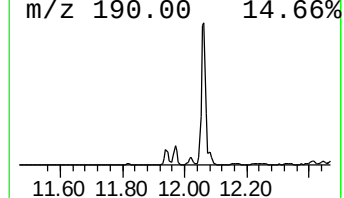
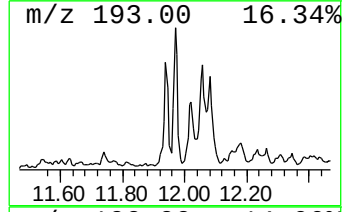
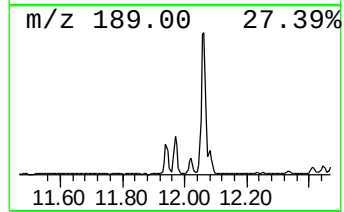
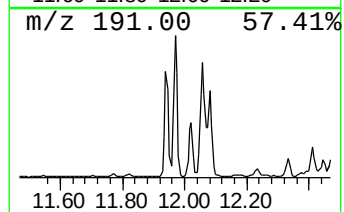
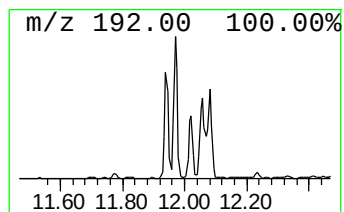
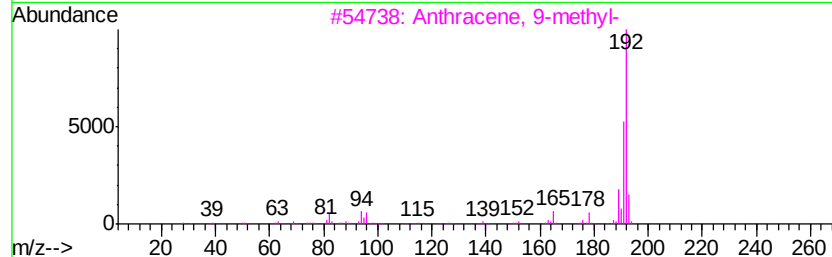
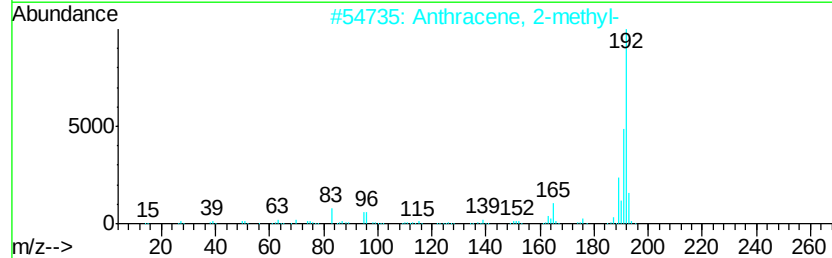
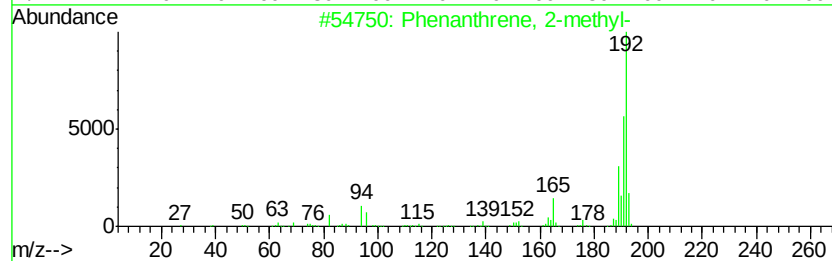
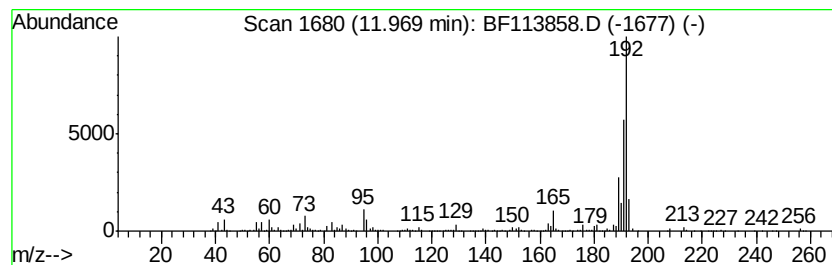
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	8.57 ng	597618	Phenanthrene-d10	11.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113858.D
Acq On : 19 Apr 2019 15:11
Operator : JU/SJ
Sample : K2199-13 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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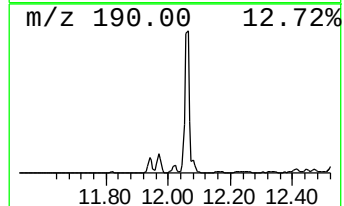
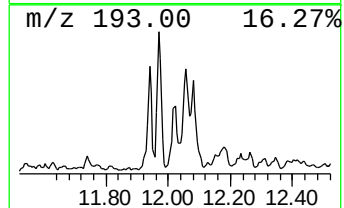
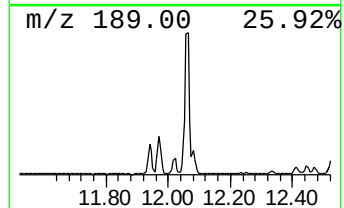
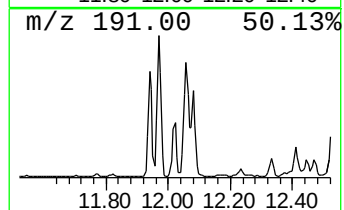
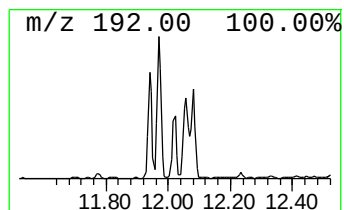
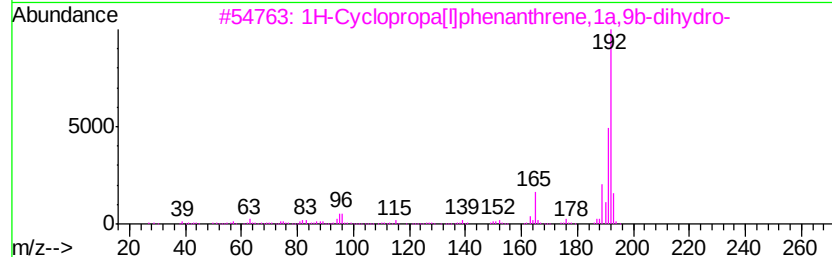
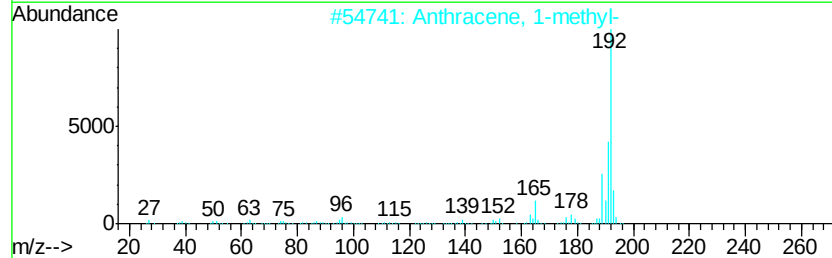
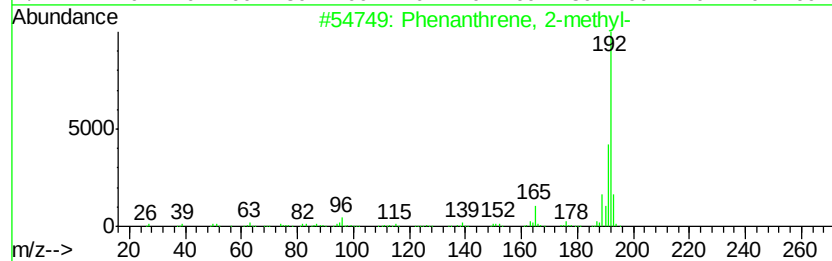
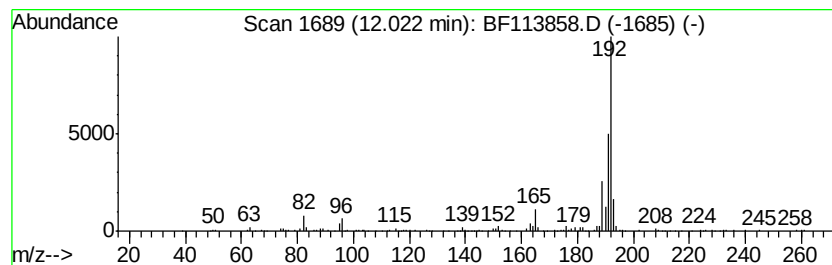
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1H-Indene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.83 ng	197225	Phenanthrene-d10	11.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113858.D
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Sample : K2199-13 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

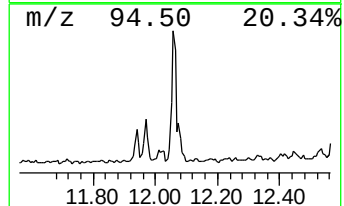
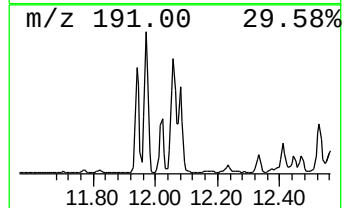
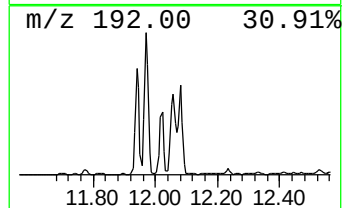
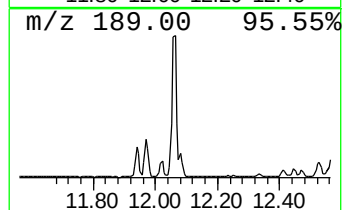
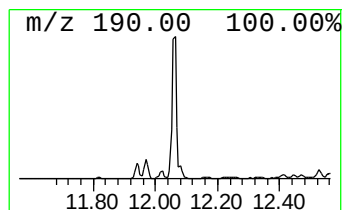
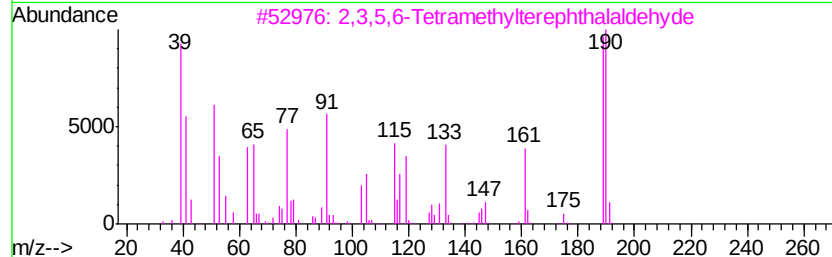
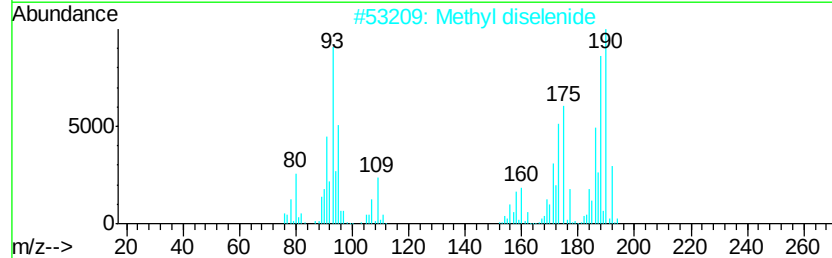
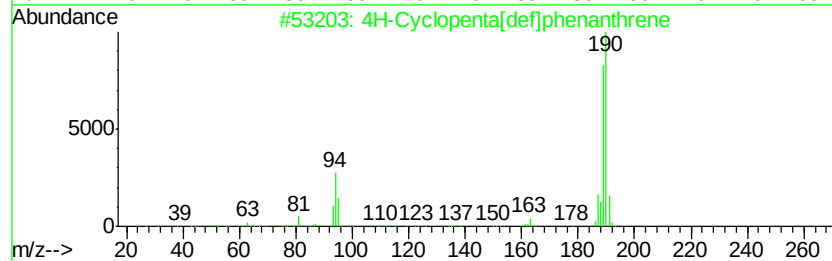
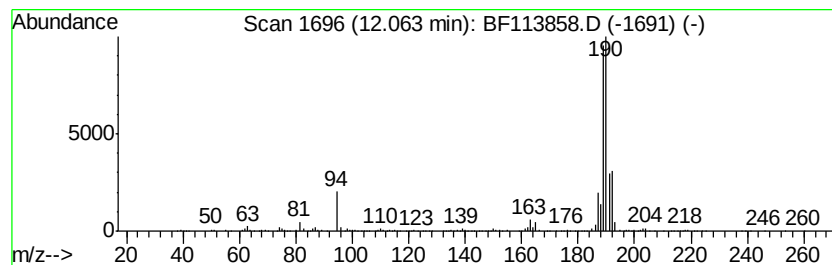
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.06	12.37 ng	862750	Phenanthrene-d10	11.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Methyl diselenide	190	C2H6Se2	007101-31-7	43
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	2,6-Dichlorobenzaloxime	189	C7H5Cl2NO	025185-95-9	30
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113858.D
Acq On : 19 Apr 2019 15:11
Operator : JU/SJ
Sample : K2199-13 2X
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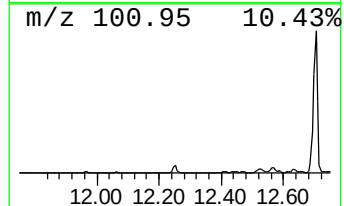
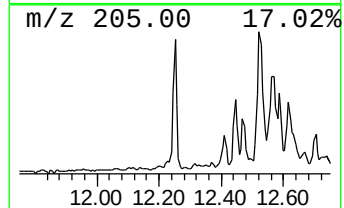
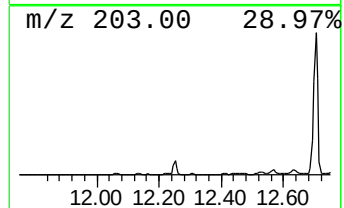
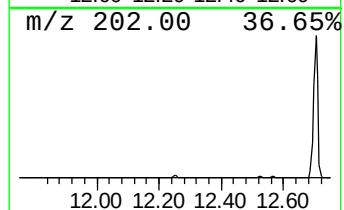
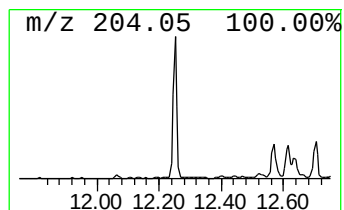
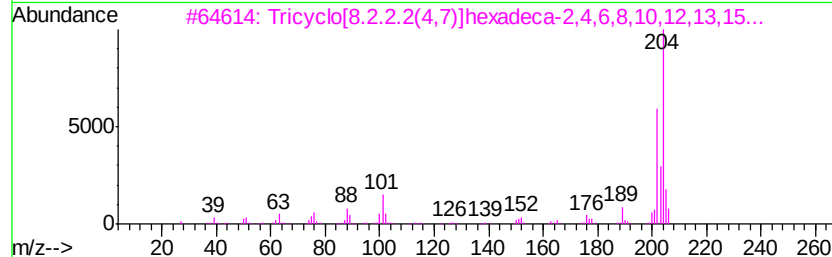
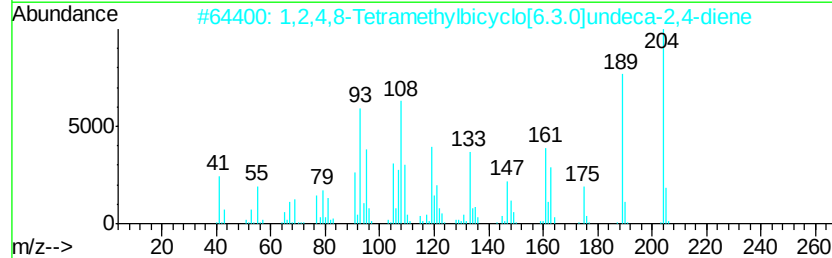
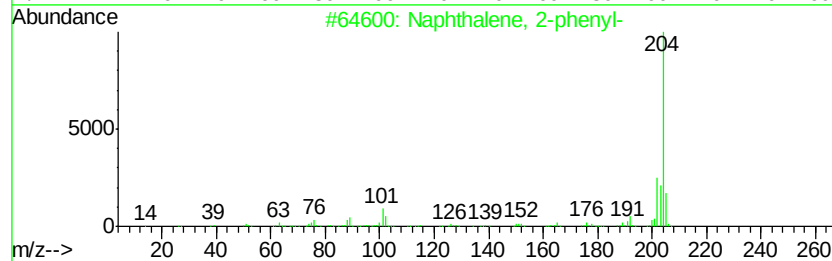
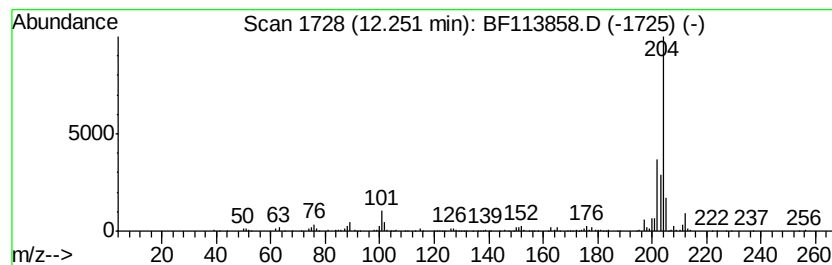
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	2.87 ng	200377	Phenanthrene-d10	11.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	89
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
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Operator : JU/SJ
Sample : K2199-13 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

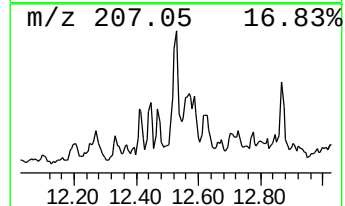
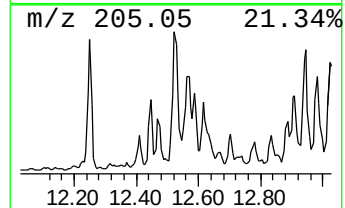
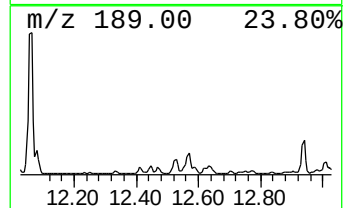
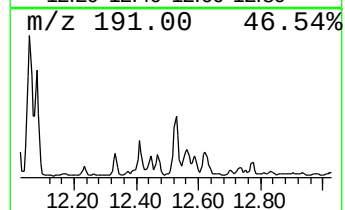
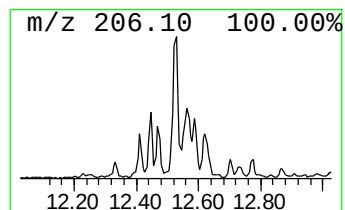
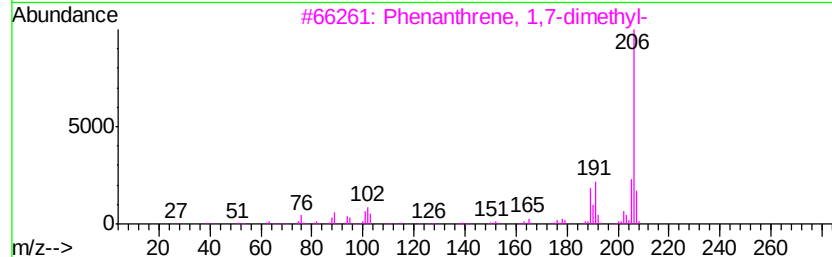
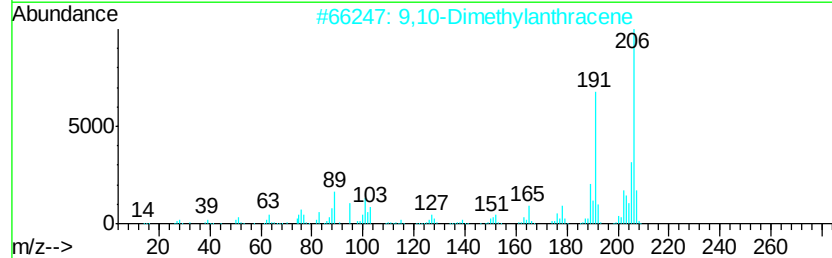
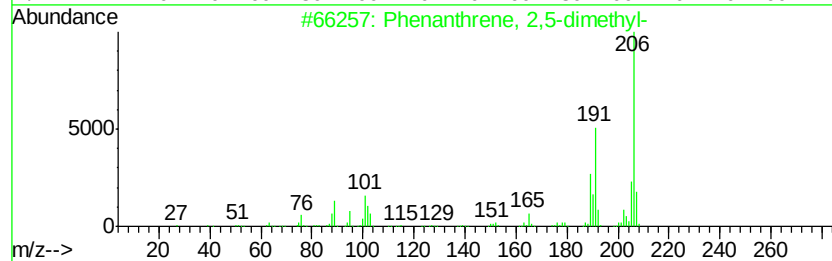
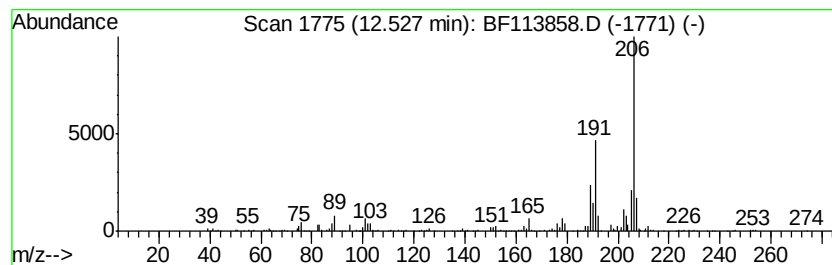
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.53	4.24 ng	295478	Phenanthrene-d10		11.43
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
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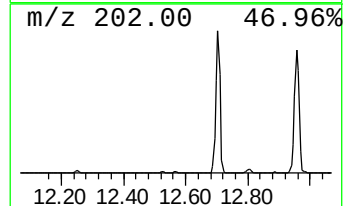
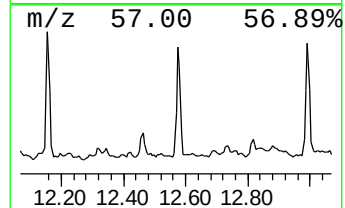
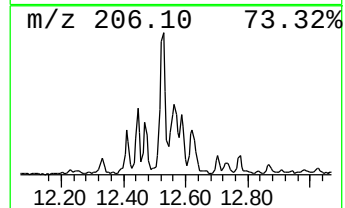
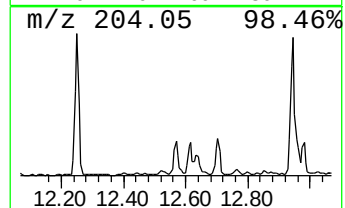
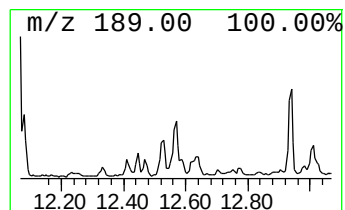
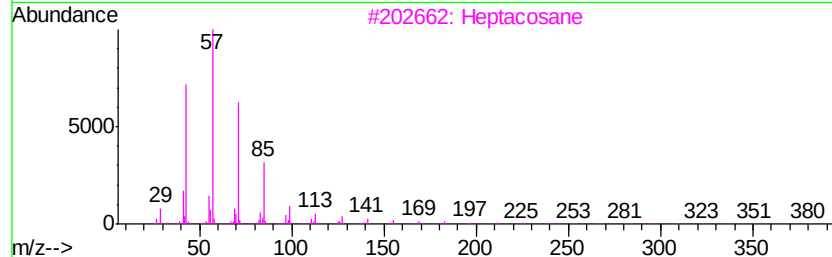
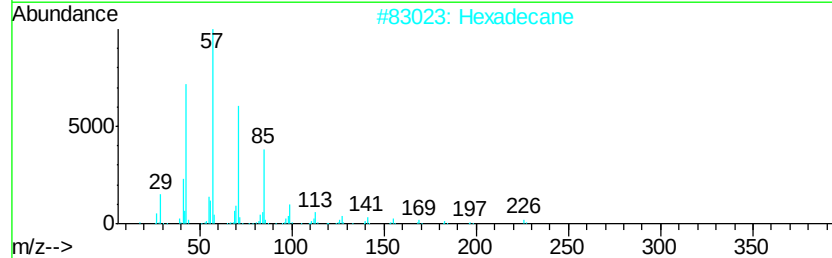
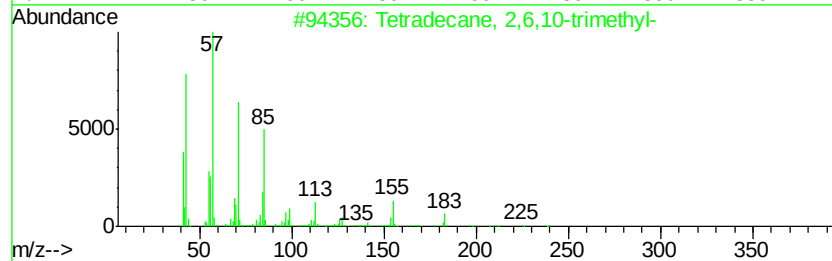
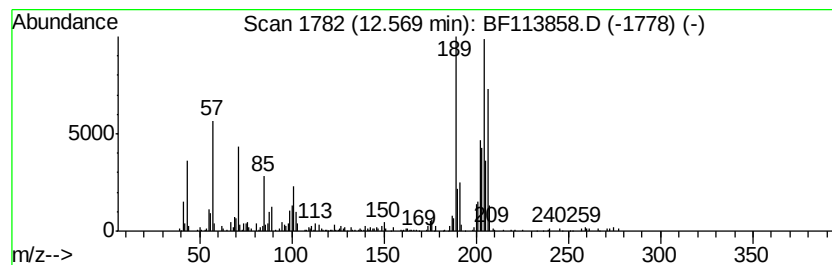
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown12.57 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.57	5.67 ng	395815	Phenanthrene-d10		11.43
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	50
2	Hexadecane	226	C16H34	000544-76-3	49
3	Heptacosane	380	C27H56	000593-49-7	49
4	Octadecane	254	C18H38	000593-45-3	49
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
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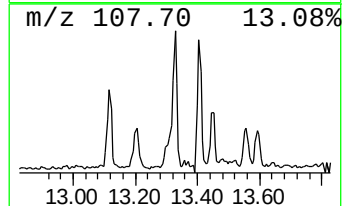
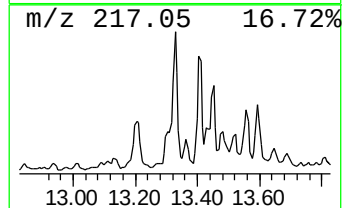
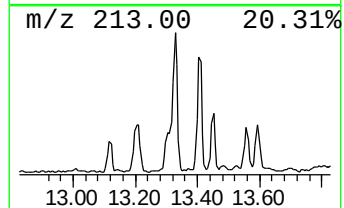
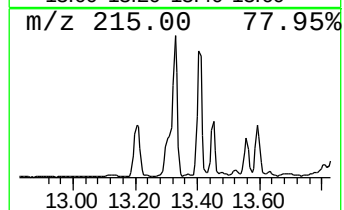
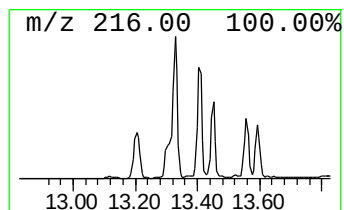
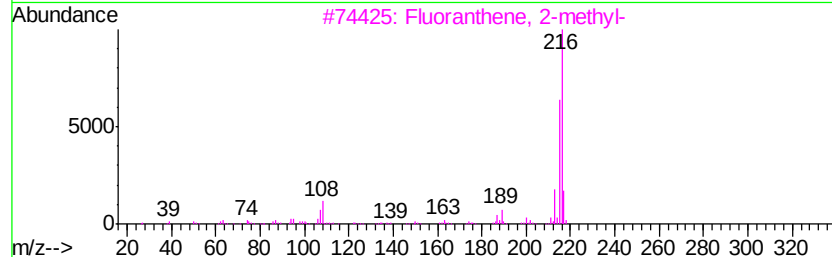
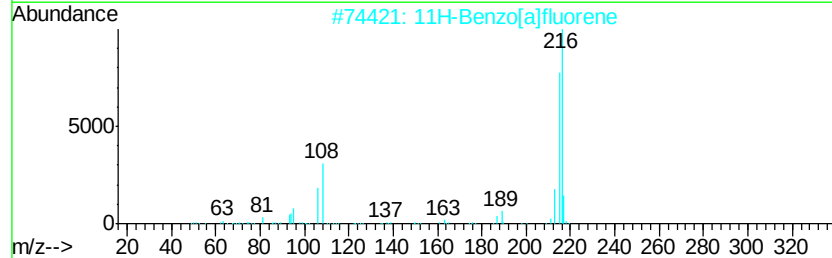
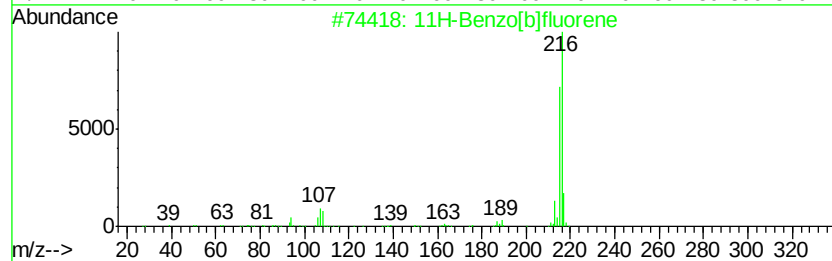
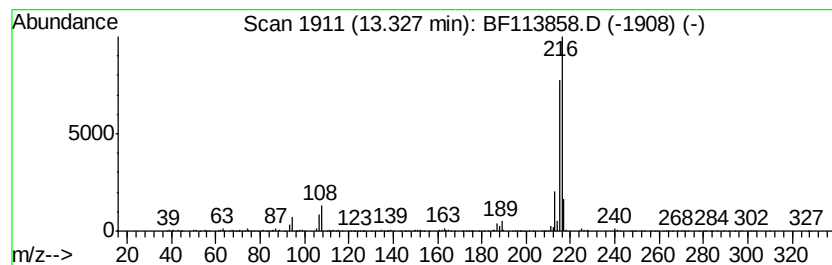
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	3.76 ng	575216	Chrysene-d12	14.38
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 96
2		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 90
3		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 87
4		Pyrene, 1-methyl-	216 C17H12	002381-21-7 86
5		6H-Thiazolo[5,4-e]indole, 2,7,8-...	216 C12H12N2S	1000338-32-0 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113858.D
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Operator : JU/SJ
Sample : K2199-13 2X
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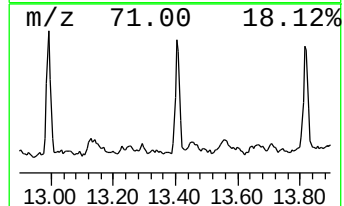
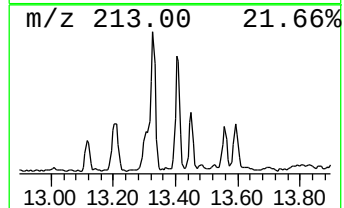
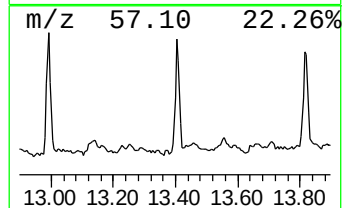
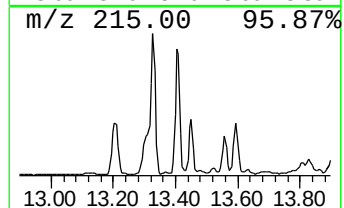
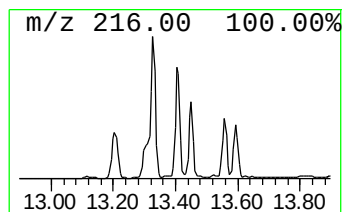
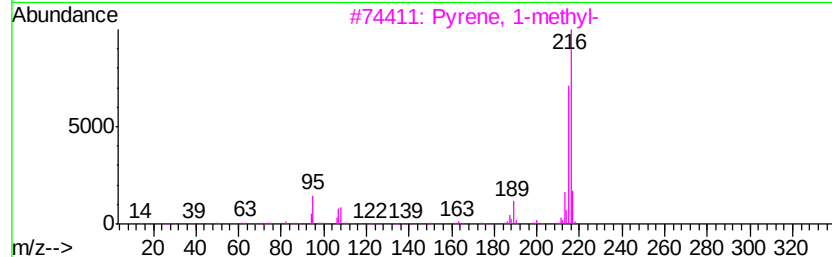
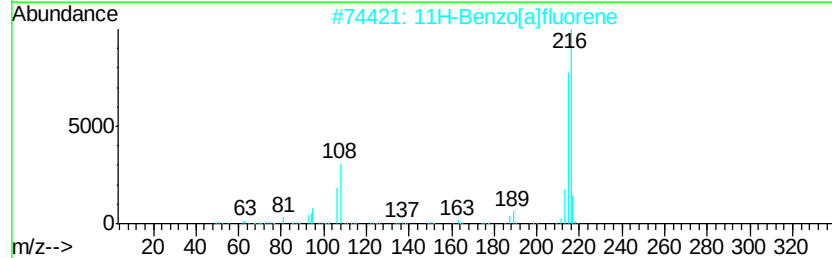
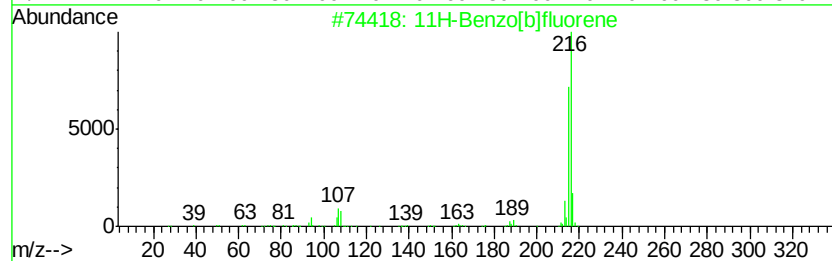
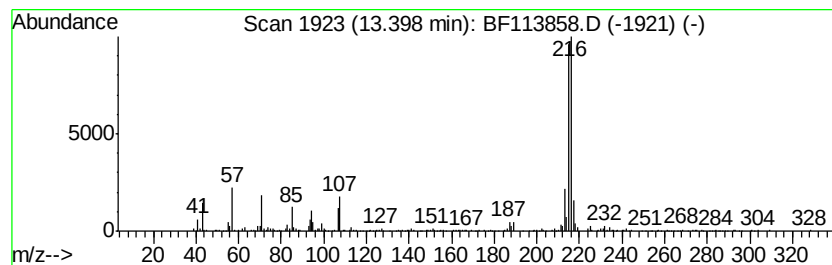
Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	3.73 ng	571041	Chrysene-d12	14.38
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 96
2		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 90
3		Pyrene, 1-methyl-	216 C17H12	002381-21-7 87
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 72
5		Allopregnane-3.alpha.,20.alpha.-...	320 C21H36O2	000566-58-5 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113858.D
Acq On : 19 Apr 2019 15:11
Operator : JU/SJ
Sample : K2199-13 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

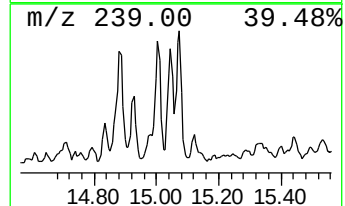
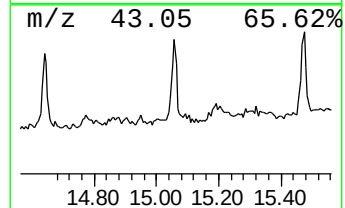
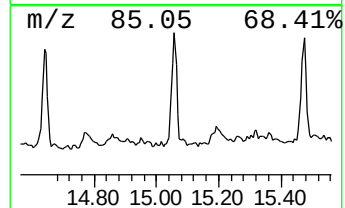
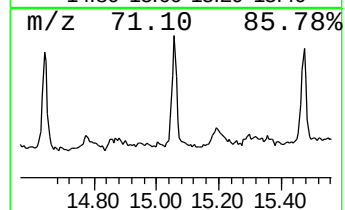
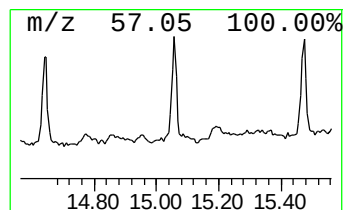
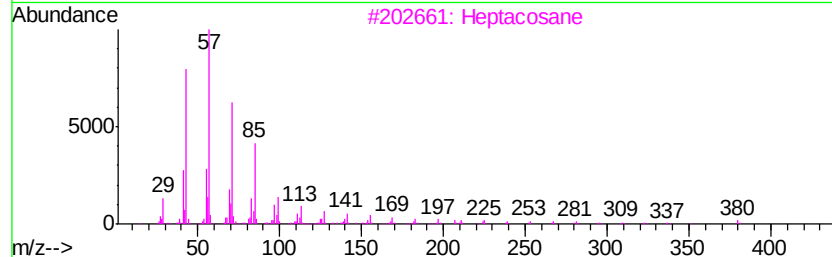
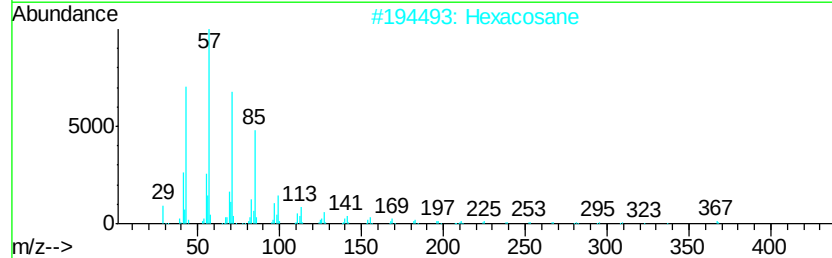
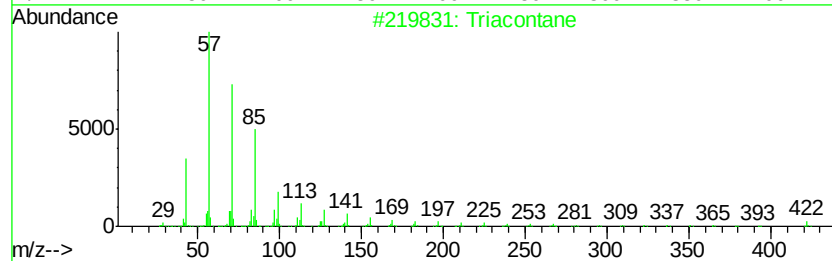
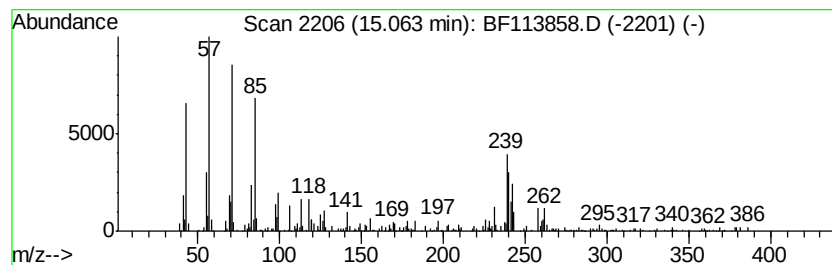
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Triacontane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	3.08 ng	470854	Chrysene-d12	14.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Triacontane	422	C30H62	000638-68-6	64
2		Hexacosane	366	C26H54	000630-01-3	64
3		Heptacosane	380	C27H56	000593-49-7	58
4		Heneicosane	296	C21H44	000629-94-7	58
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113858.D
Acq On : 19 Apr 2019 15:11
Operator : JU/SJ
Sample : K2199-13 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

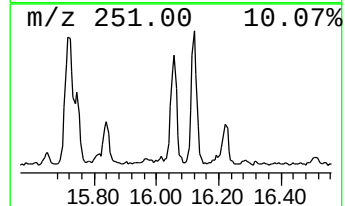
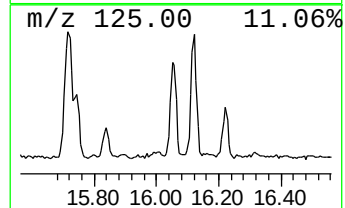
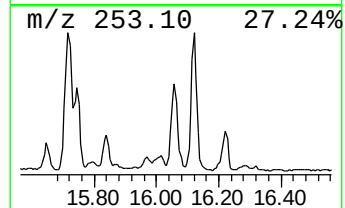
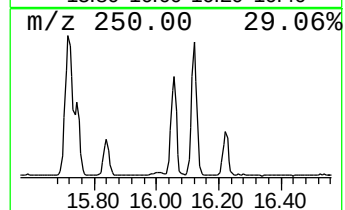
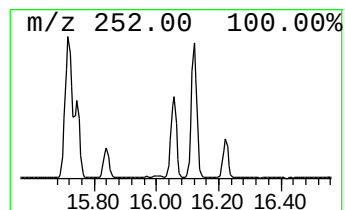
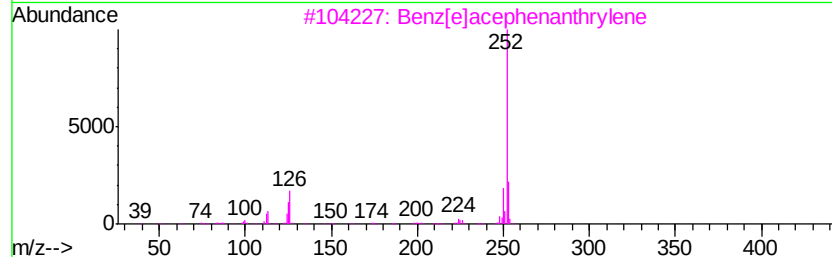
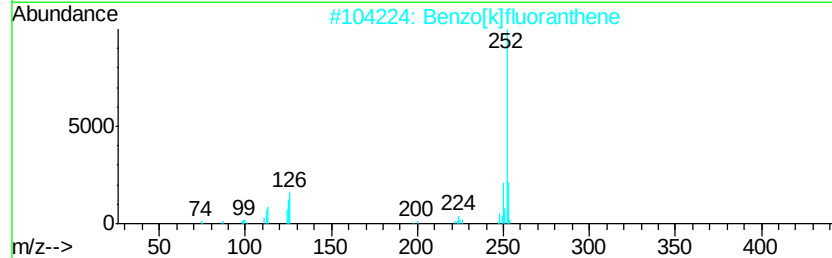
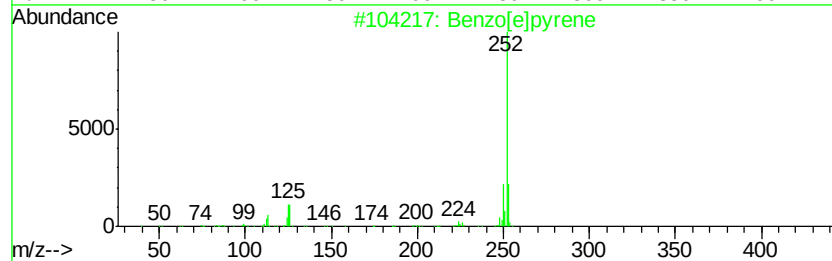
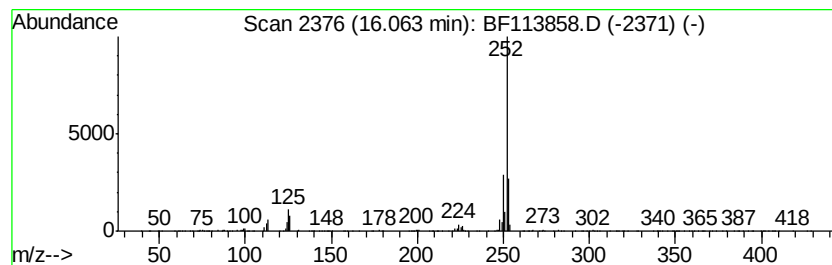
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	11.25 ng	498364	Perylene-d12	16.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Benzo[a]pyrene	252	C20H12	000050-32-8	95
5		Perylene	252	C20H12	000198-55-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113858.D
 Acq On : 19 Apr 2019 15:11
 Operator : JU/SJ
 Sample : K2199-13 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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
unknown6.66	6.66	32.6	ng	1485770	1	6.90	912707	20.0
Tetradecane	9.35	3.5	ng	213218	3	9.94	1232460	20.0
Naphthalene, 2,3-...	9.59	3.3	ng	200560	3	9.94	1232460	20.0
unknown10.60	10.60	3.0	ng	186357	3	9.94	1232460	20.0
Tetradecane, 2,6,...	10.85	5.0	ng	352509	4	11.43	1395040	20.0
Hexacosane	11.30	2.9	ng	200533	4	11.43	1395040	20.0
Dibenzothiophene	11.32	4.2	ng	293796	4	11.43	1395040	20.0
Anthracene, 9-eth...	11.73	2.8	ng	198199	4	11.43	1395040	20.0
Anthracene, 2-met...	11.94	4.5	ng	313677	4	11.43	1395040	20.0
Phenanthrene, 2-m...	11.97	8.6	ng	597618	4	11.43	1395040	20.0
1H-Indene, 2-phenyl-	12.02	2.8	ng	197225	4	11.43	1395040	20.0
4H-Cyclopenta[def...	12.06	12.4	ng	862750	4	11.43	1395040	20.0
1,2,4,8-Tetrameth...	12.25	2.9	ng	200377	4	11.43	1395040	20.0
Phenanthrene, 2,5...	12.53	4.2	ng	295478	4	11.43	1395040	20.0
unknown12.57	12.57	5.7	ng	395815	4	11.43	1395040	20.0
11H-Benzo[b]fluorene	13.33	3.8	ng	575216	5	14.38	3060100	20.0
11H-Benzo[a]fluorene	13.40	3.7	ng	571041	5	14.38	3060100	20.0
Triacontane	15.06	3.1	ng	470854	5	14.38	3060100	20.0
Benzo[e]pyrene	16.06	11.3	ng	498364	6	16.19	885866	20.0