

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
 Data File : BF113894.D
 Acq On : 22 Apr 2019 22:43
 Operator : JU/SJ
 Sample : K2199-13 2X
 Misc :
 ALS Vial : 12 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-BF042219.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	5.510	578	582	586	rBV	1660667	1662933	41.15%	2.808%
2	6.516	748	753	756	rBV	1977781	1705036	42.19%	2.879%
3	6.663	774	778	781	rBV	2212836	1823672	45.12%	3.079%
4	6.898	814	818	821	rBV	1280810	1134464	28.07%	1.915%
5	7.051	840	844	848	rBV	1798214	1432711	35.45%	2.419%
6	7.451	903	912	915	rBV	1136703	1090232	26.98%	1.841%
7	8.175	1030	1035	1038	rBV	1719843	1560176	38.60%	2.634%
8	8.198	1038	1039	1042	rVV	203314	118485	2.93%	0.200%
9	8.475	1080	1086	1088	rBV4	64048	84747	2.10%	0.143%
10	8.604	1105	1108	1110	rBV	101087	91261	2.26%	0.154%
11	8.769	1133	1136	1140	rBV3	188531	192348	4.76%	0.325%
12	8.886	1150	1156	1159	rVB2	194861	224436	5.55%	0.379%
13	8.986	1170	1173	1178	rVB2	204176	191693	4.74%	0.324%
14	9.204	1207	1210	1214	rVB2	161956	145031	3.59%	0.245%
15	9.251	1214	1218	1221	rBV	2391910	1986890	49.16%	3.355%
16	9.339	1229	1233	1237	rBV2	252878	300623	7.44%	0.508%
17	9.510	1259	1262	1267	rVV2	138144	205075	5.07%	0.346%
18	9.592	1270	1276	1278	rVV2	254363	306690	7.59%	0.518%
19	9.616	1278	1280	1282	rVV	200138	160856	3.98%	0.272%
20	9.639	1282	1284	1286	rVV	230452	244065	6.04%	0.412%
21	9.704	1293	1295	1300	rVB3	121972	165061	4.08%	0.279%
22	9.792	1307	1310	1315	rVB	210576	220030	5.44%	0.371%
23	9.863	1317	1322	1327	rVB	221333	236053	5.84%	0.399%
24	9.933	1330	1334	1337	rVV	1740933	1553143	38.43%	2.622%
25	9.963	1337	1339	1342	rVV	466602	354353	8.77%	0.598%
26	10.039	1349	1352	1356	rVB2	89928	103616	2.56%	0.175%
27	10.092	1356	1361	1364	rBV4	75677	132102	3.27%	0.223%
28	10.133	1364	1368	1371	rVB	395780	345312	8.54%	0.583%
29	10.245	1385	1387	1390	rBV	99379	107069	2.65%	0.181%
30	10.363	1404	1407	1410	rVB2	256624	220256	5.45%	0.372%
31	10.474	1423	1426	1432	rBV	624622	596694	14.76%	1.007%
32	10.545	1432	1438	1439	rVV2	101002	130312	3.22%	0.220%
33	10.563	1439	1441	1443	rVV2	103811	105403	2.61%	0.178%
34	10.586	1443	1445	1448	rVV2	201300	196552	4.86%	0.332%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.633	1450	1453	1457	rVB2	165625	160756	3.98%	0.271%
36	10.716	1462	1467	1471	rVV	1438231	1318819	32.63%	2.227%
37	10.751	1471	1473	1480	rVB6	52034	93852	2.32%	0.158%
38	10.839	1485	1488	1496	rVB3	352542	483098	11.95%	0.816%
39	11.027	1515	1520	1522	rBV2	140784	168492	4.17%	0.284%
40	11.051	1522	1524	1530	rVV3	119032	152172	3.77%	0.257%
41	11.157	1537	1542	1544	rBV3	73514	124820	3.09%	0.211%
42	11.174	1544	1545	1550	rVV2	102205	90486	2.24%	0.153%
43	11.263	1557	1560	1562	rBV	82963	98171	2.43%	0.166%
44	11.286	1562	1564	1566	rVV	292466	231711	5.73%	0.391%
45	11.310	1566	1568	1574	rVB2	313810	374829	9.27%	0.633%
46	11.416	1582	1586	1588	rBV	1667517	1510647	37.38%	2.551%
47	11.439	1588	1590	1593	rVV	2795785	2274962	56.29%	3.841%
48	11.492	1595	1599	1602	rVV	852874	753013	18.63%	1.271%
49	11.521	1602	1604	1608	rVV3	76280	91064	2.25%	0.154%
50	11.639	1620	1624	1626	rBV	143762	147453	3.65%	0.249%
51	11.710	1633	1636	1639	rBV	313521	242906	6.01%	0.410%
52	11.745	1639	1642	1644	rBV	134583	102022	2.52%	0.172%
53	11.827	1654	1656	1660	rVB	89186	87705	2.17%	0.148%
54	11.916	1668	1671	1673	rVV	439246	413412	10.23%	0.698%
55	11.945	1673	1676	1679	rVV	661121	650834	16.10%	1.099%
56	11.992	1681	1684	1686	rVV	251542	232485	5.75%	0.393%
57	12.027	1686	1690	1693	rVV	874439	1012207	25.05%	1.709%
58	12.051	1693	1694	1698	rVB	319950	193621	4.79%	0.327%
59	12.121	1703	1706	1708	rBV	215786	187417	4.64%	0.316%
60	12.210	1718	1721	1723	rBV	295208	214106	5.30%	0.361%
61	12.227	1723	1724	1729	rVB2	112572	109964	2.72%	0.186%
62	12.392	1749	1752	1754	rBV	121580	127158	3.15%	0.215%
63	12.468	1761	1765	1767	rBV	292798	320956	7.94%	0.542%
64	12.504	1767	1771	1776	rVB2	380223	459592	11.37%	0.776%
65	12.551	1776	1779	1784	rBV3	128781	184546	4.57%	0.312%
66	12.633	1788	1793	1796	rBV	3781383	3533649	87.43%	5.966%
67	12.674	1796	1800	1802	rVV	177668	169245	4.19%	0.286%
68	12.721	1805	1808	1811	rBV2	188842	182570	4.52%	0.308%
69	12.780	1815	1818	1821	rVB	191783	166773	4.13%	0.282%
70	12.863	1825	1832	1837	rBV	3318479	4041460	100.00%	6.824%
71	12.904	1837	1839	1844	rVB2	149814	203678	5.04%	0.344%

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72	12.974	1848	1851	1852	rBV2	201081	181356	4.49%	0.306%
73	12.998	1852	1855	1863	rVB	2276221	2060323	50.98%	3.479%
74	13.074	1863	1868	1871	rBV3	266092	434734	10.76%	0.734%
75	13.133	1875	1878	1880	rBV2	85136	98136	2.43%	0.166%
76	13.162	1880	1883	1884	rBV2	176850	198693	4.92%	0.335%
77	13.180	1884	1886	1890	rVB	599330	579711	14.34%	0.979%
78	13.251	1892	1898	1900	rBV3	567777	637495	15.77%	1.076%
79	13.286	1901	1904	1908	rBV2	372550	371911	9.20%	0.628%
80	13.380	1917	1920	1922	rVB	228314	165299	4.09%	0.279%
81	13.410	1922	1925	1928	rBV	251863	215236	5.33%	0.363%
82	13.574	1951	1953	1956	rBV3	176463	190230	4.71%	0.321%
83	13.804	1989	1992	1994	rBV	169450	160005	3.96%	0.270%
84	13.827	1994	1996	1998	rVV	208300	153044	3.79%	0.258%
85	13.857	1998	2001	2004	rVB2	177281	196065	4.85%	0.331%
86	14.051	2029	2034	2037	rBV2	2291760	3363112	83.22%	5.678%
87	14.080	2037	2039	2046	rVB	1656626	1406871	34.81%	2.375%
88	14.162	2050	2053	2056	rVB	307213	254289	6.29%	0.429%
89	14.221	2061	2063	2068	rVB4	234123	295320	7.31%	0.499%
90	14.274	2069	2072	2076	rBV2	169870	216746	5.36%	0.366%
91	14.445	2098	2101	2104	rVB	280958	272328	6.74%	0.460%
92	14.474	2104	2106	2109	rVB	187328	166813	4.13%	0.282%
93	14.533	2114	2116	2120	rVB2	303214	305210	7.55%	0.515%
94	14.568	2120	2122	2124	rBV	183934	187218	4.63%	0.316%
95	15.109	2210	2214	2217	rBV	1085656	1728834	42.78%	2.919%
96	15.415	2262	2266	2271	rVB	719602	949978	23.51%	1.604%
97	15.474	2272	2276	2283	rVV	1039172	1401136	34.67%	2.366%
98	15.545	2283	2288	2290	rVV	1111044	1469719	36.37%	2.481%
99	15.574	2290	2293	2300	rVB2	508539	700542	17.33%	1.183%
100	17.027	2536	2540	2549	rVB2	410380	829735	20.53%	1.401%

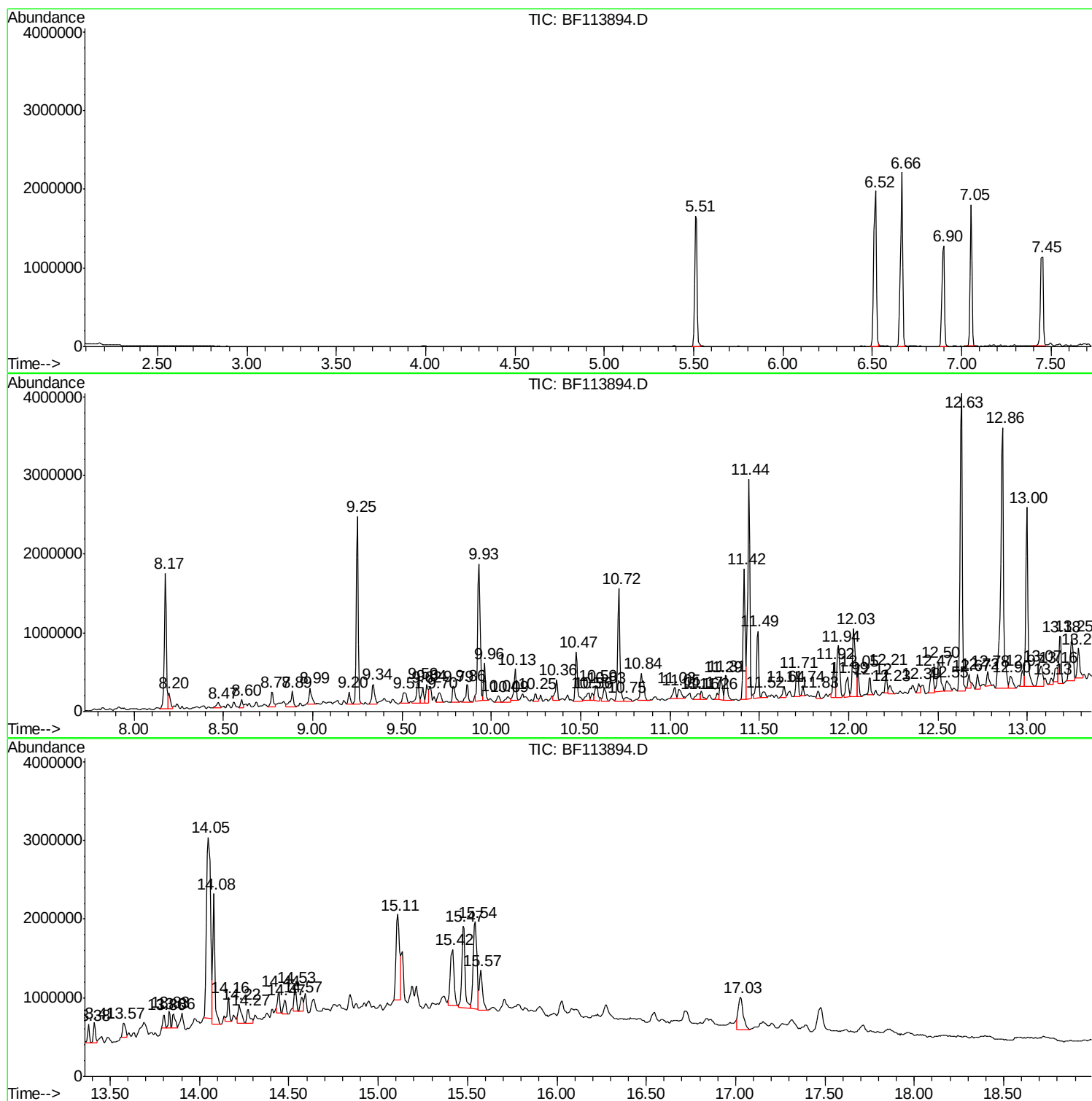
Sum of corrected areas: 59228120

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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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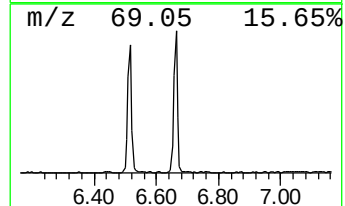
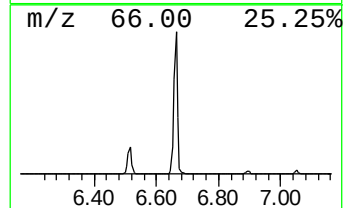
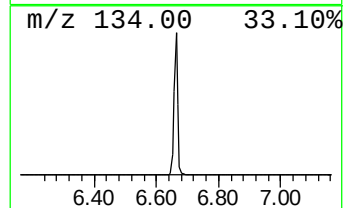
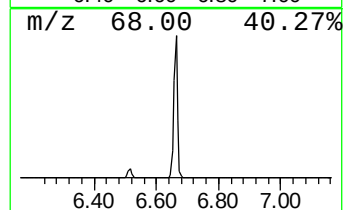
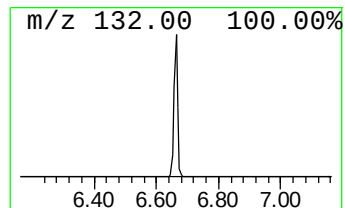
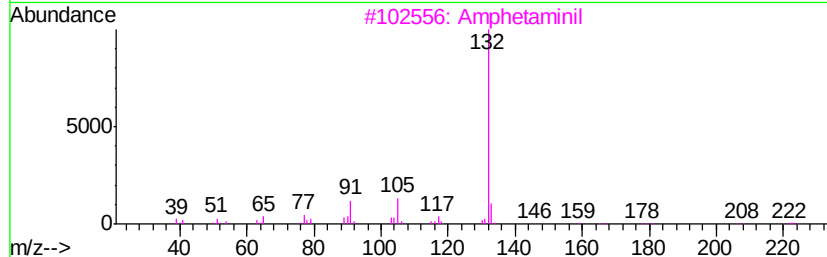
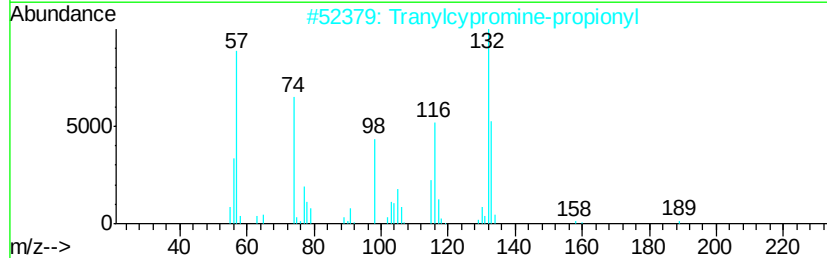
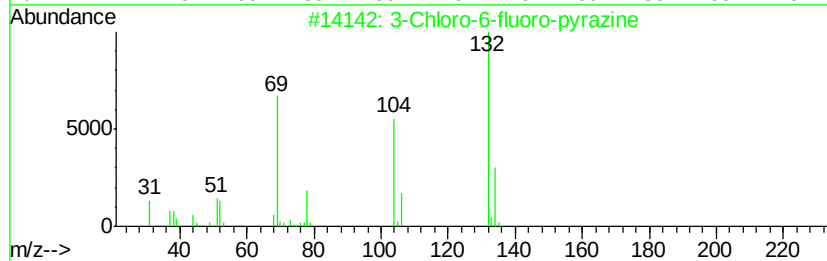
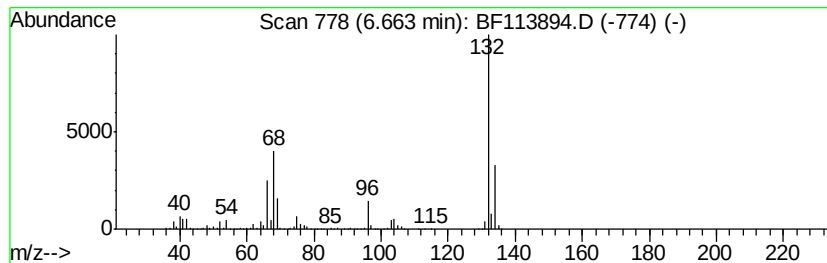
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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	32.15 ng	1823670	1,4-Dichlorobenzene-d4	6.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			Tranlycypromine-propionyl	189	C12H15NO	1000123-86-3	12
3			Amphetaminil	250	C17H18N2	017590-01-1	12
4			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
5			4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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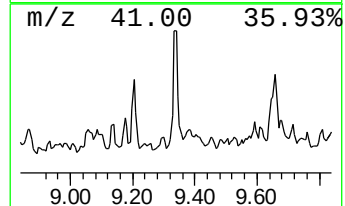
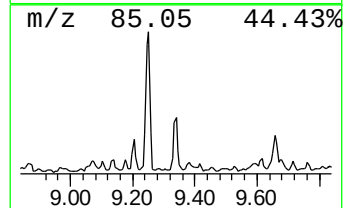
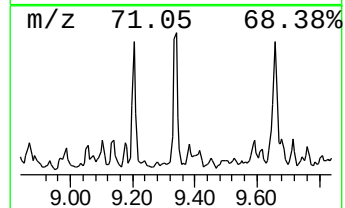
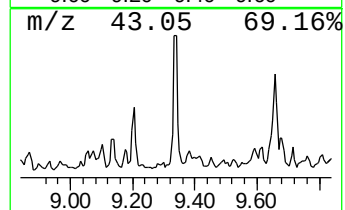
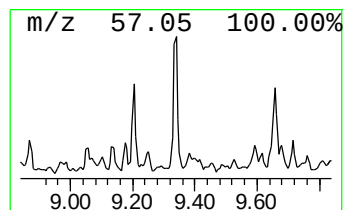
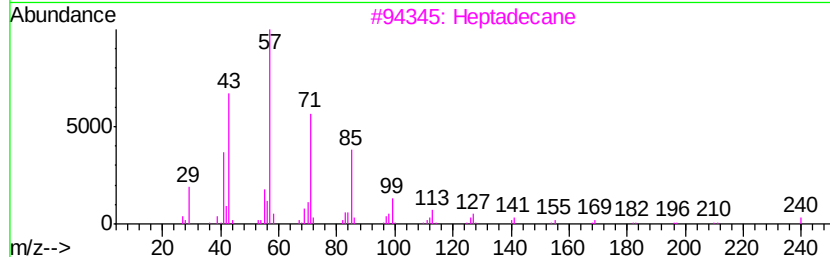
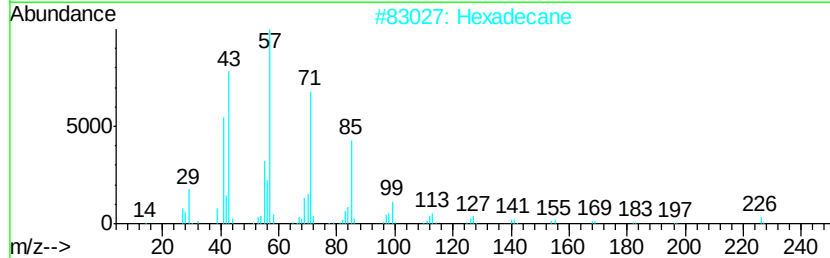
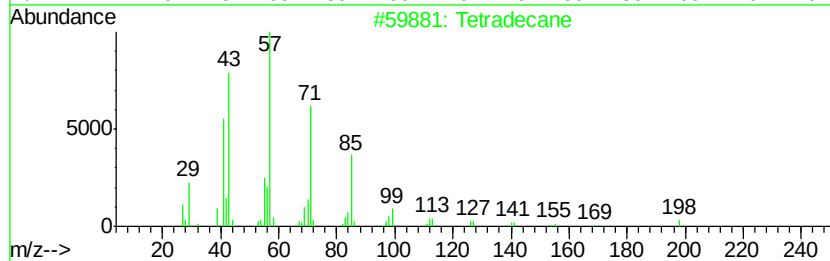
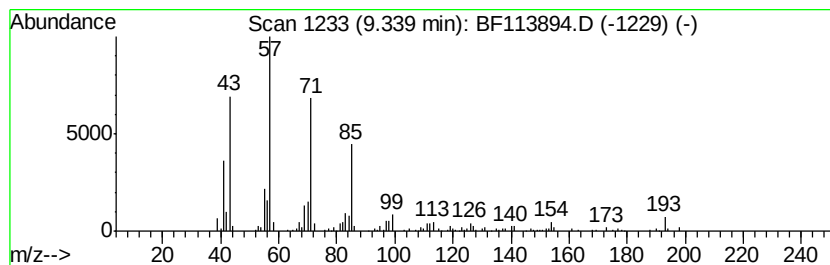
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Tetradecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.34	3.87 ng	300623	Acenaphthene-d10		9.93
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Hexadecane	226	C16H34	000544-76-3	80
3	Heptadecane	240	C17H36	000629-78-7	80
4	Nonadecane	268	C19H40	000629-92-5	64
5	Pentadecane	212	C15H32	000629-62-9	58



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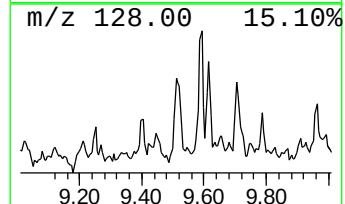
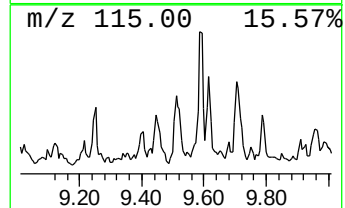
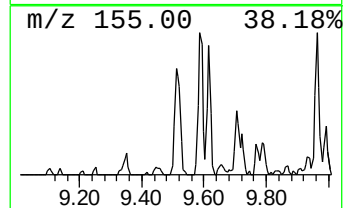
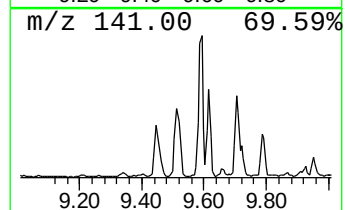
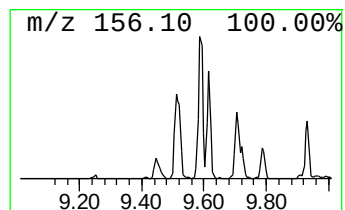
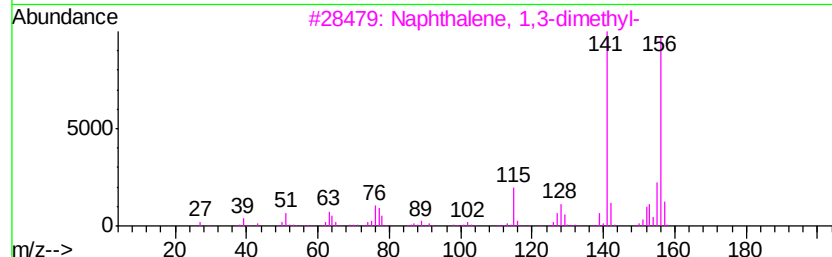
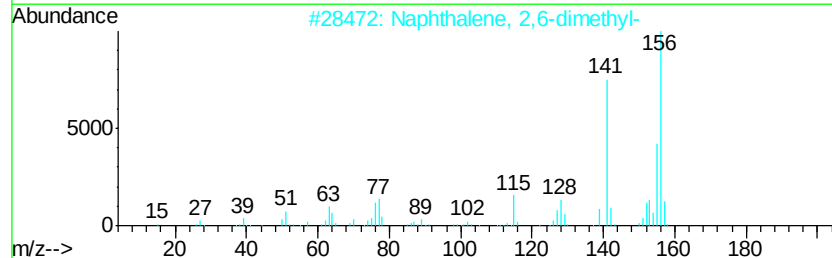
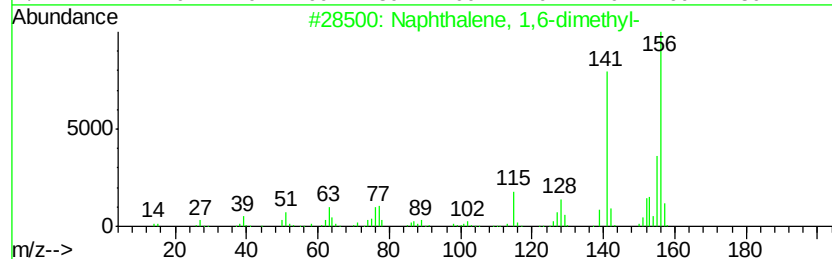
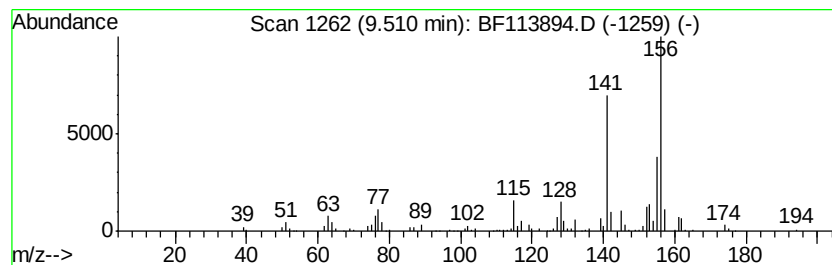
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.51	2.64 ng	205075	Acenaphthene-d10	9.93	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



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Operator : JU/SJ
Sample : K2199-13 2X
Misc :
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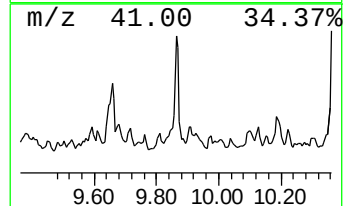
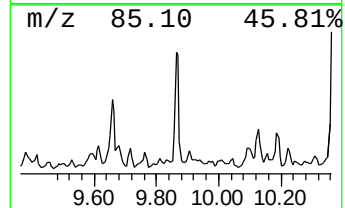
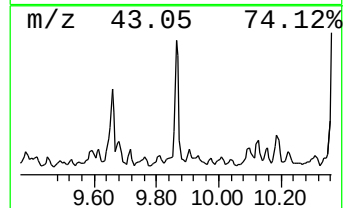
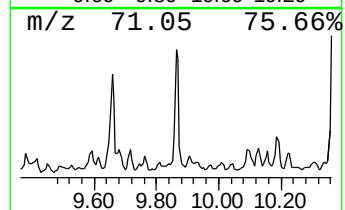
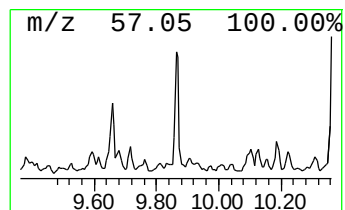
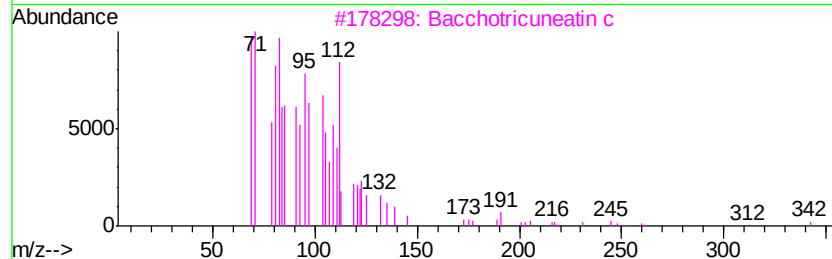
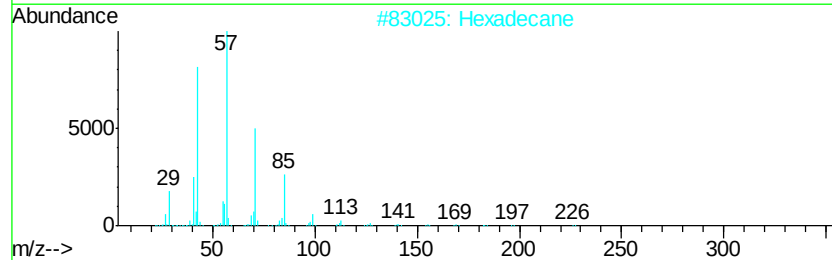
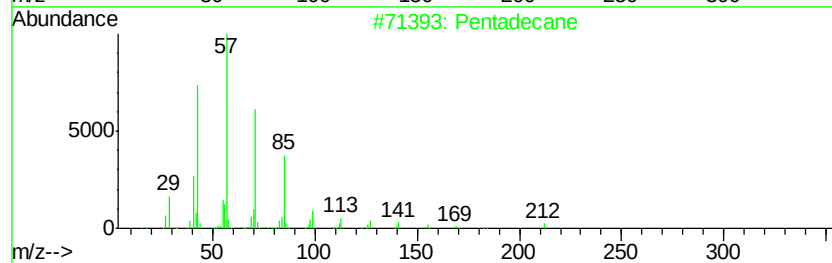
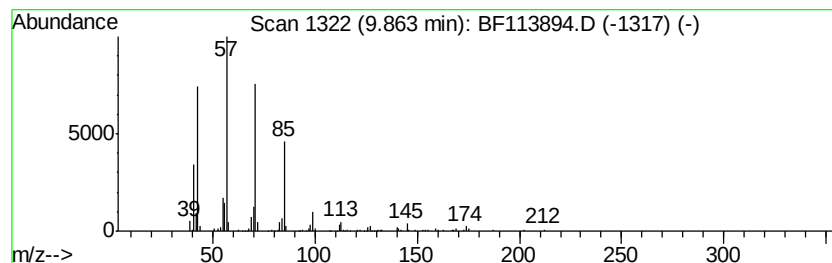
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Pentadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.86	3.04 ng	236053	Acenaphthene-d10		9.93
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	91
2	Hexadecane	226	C16H34	000544-76-3	80
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	76
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	72
5	Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
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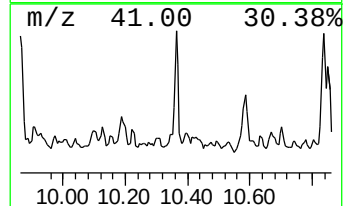
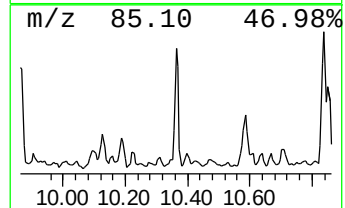
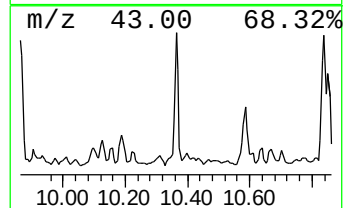
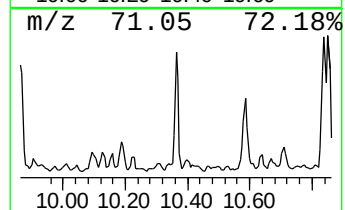
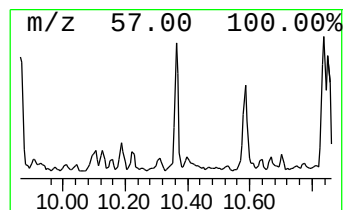
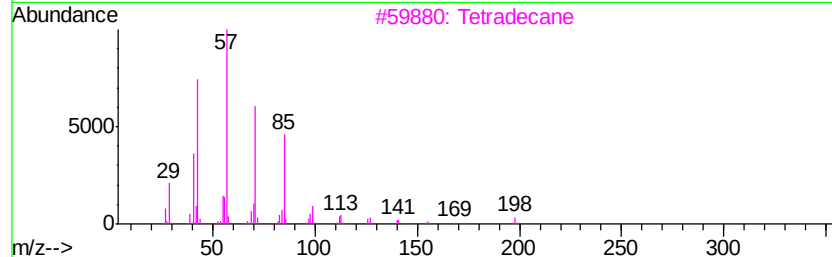
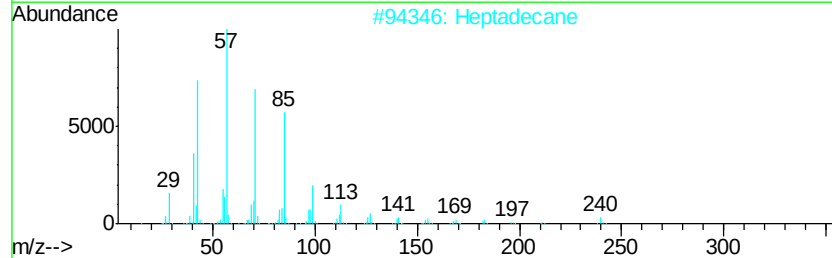
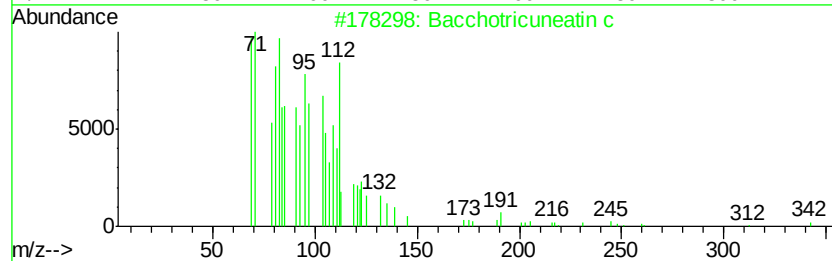
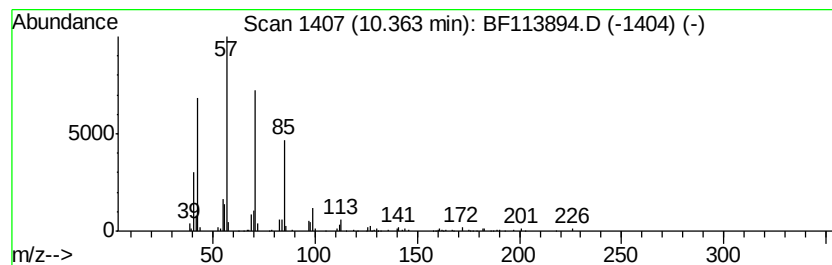
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Bacchotricuneatin c Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	2.84 ng	220256	Acenaphthene-d10	9.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	96
2		Heptadecane	240	C17H36	000629-78-7	91
3		Tetradecane	198	C14H30	000629-59-4	90
4		Pentadecane	212	C15H32	000629-62-9	86
5		Pentadecane, 7-methyl-	226	C16H34	006165-40-8	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
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Misc :
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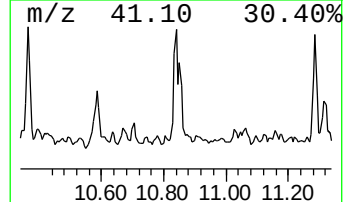
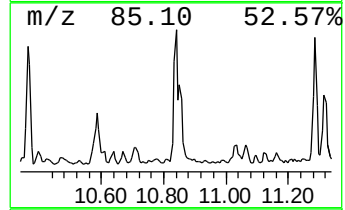
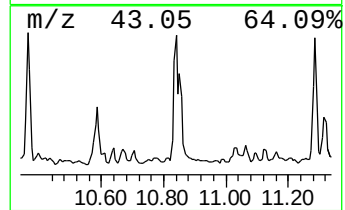
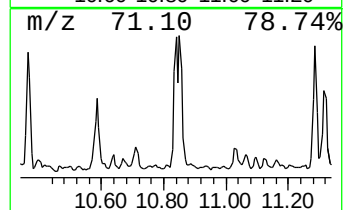
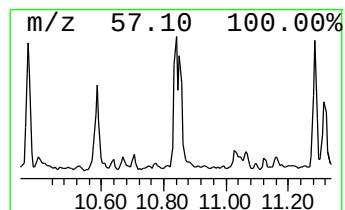
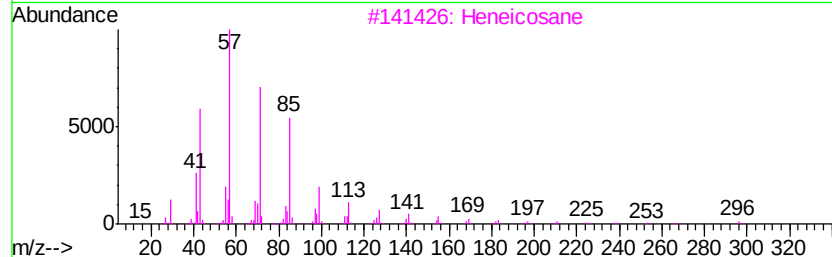
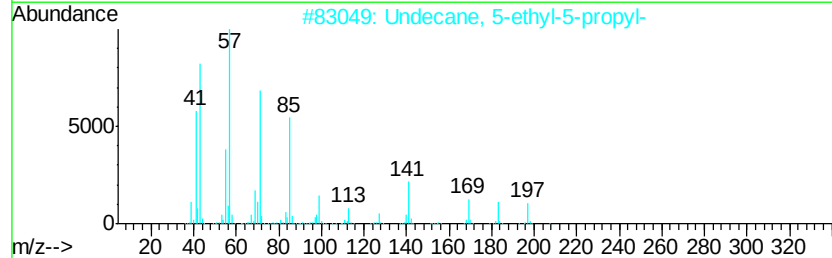
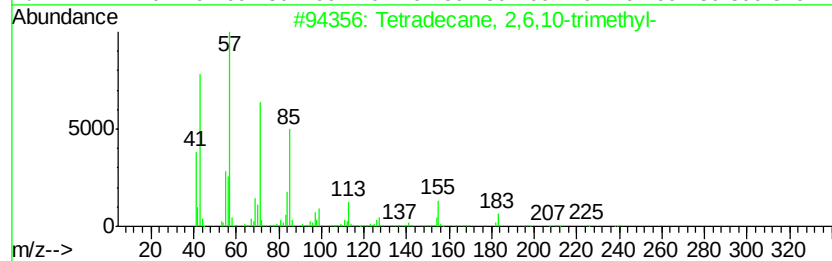
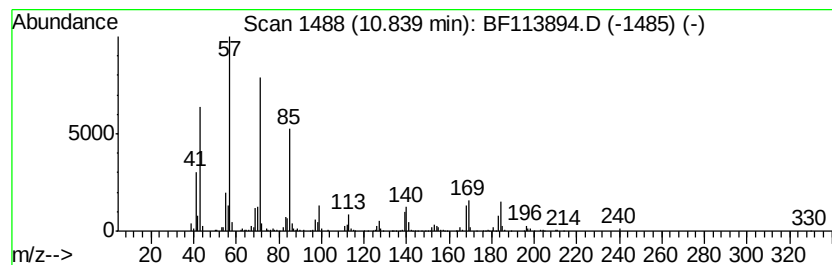
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.84	6.40 ng	483098	Phenanthrene-d10		11.42
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	89
2	Undecane, 5-ethyl-5-propyl-	226	C16H34	002755-07-9	74
3	Heneicosane	296	C21H44	000629-94-7	68
4	Dodecane	170	C12H26	000112-40-3	68
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
Data File : BF113894.D
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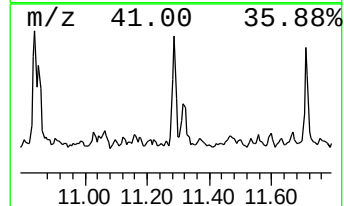
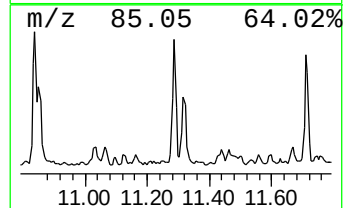
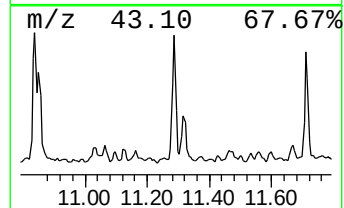
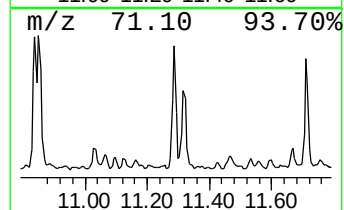
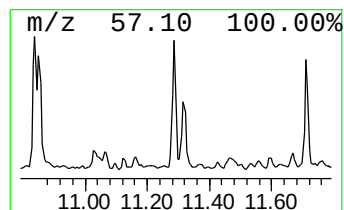
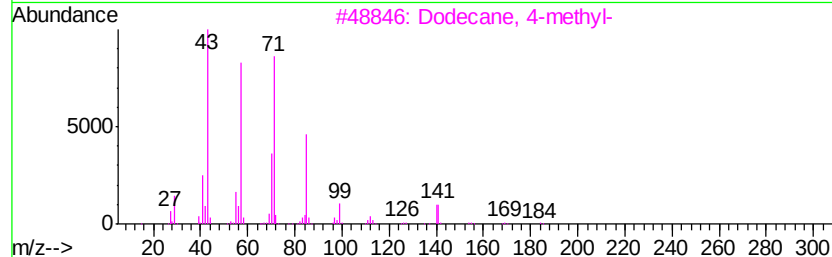
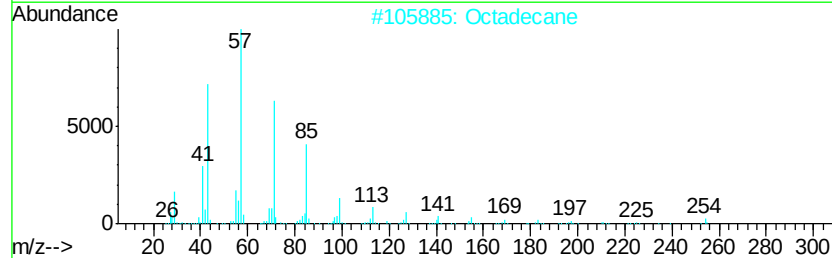
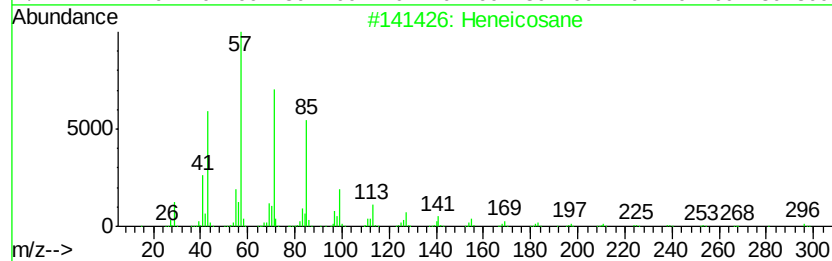
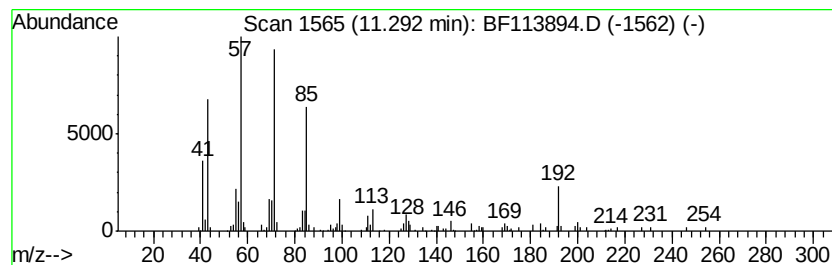
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heneicosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	3.07 ng	231711	Phenanthrene-d10	11.42

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	91
2	Octadecane		254	C18H38	000593-45-3	90
3	Dodecane, 4-methyl-		184	C13H28	006117-97-1	90
4	Tetradecane		198	C14H30	000629-59-4	90
5	Hexadecane		226	C16H34	000544-76-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
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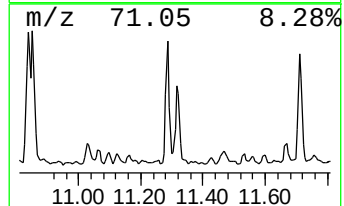
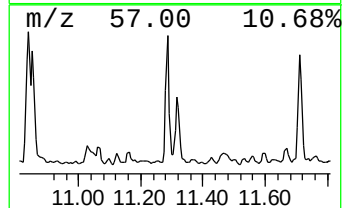
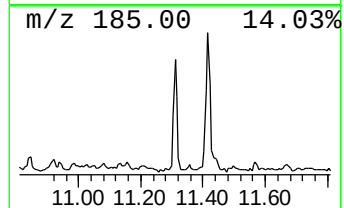
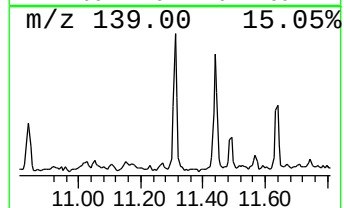
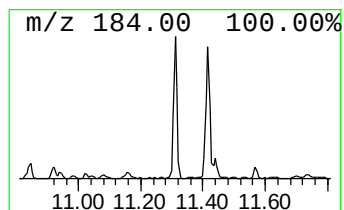
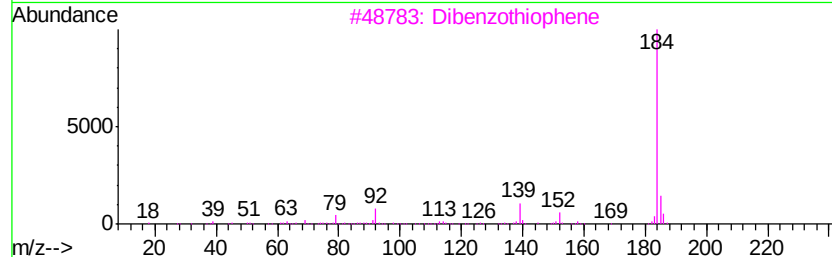
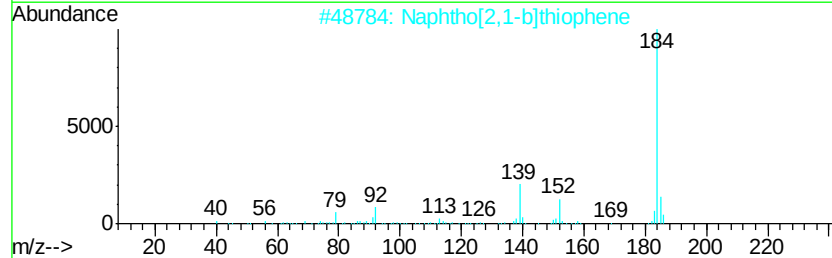
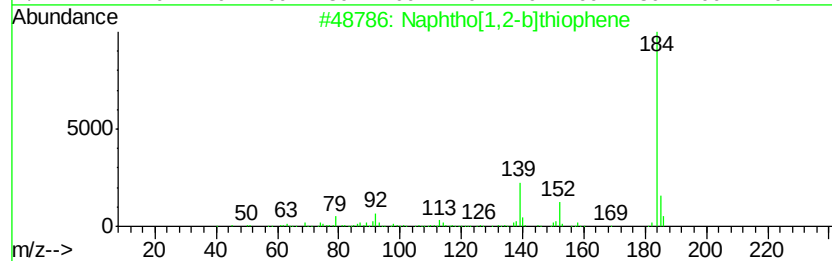
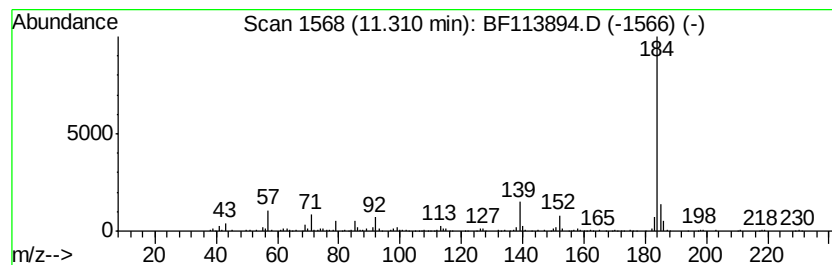
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphtho[1,2-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.31	4.96 ng	374829	Phenanthrene-d10		11.42
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
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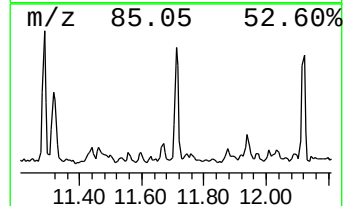
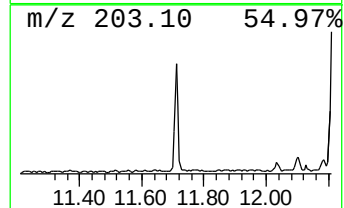
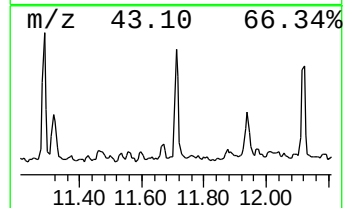
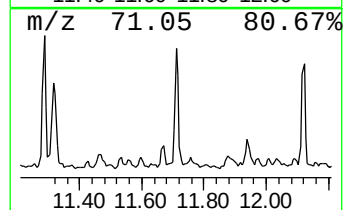
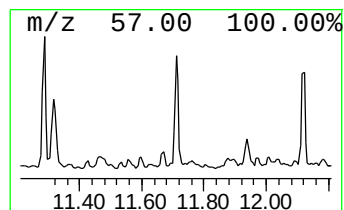
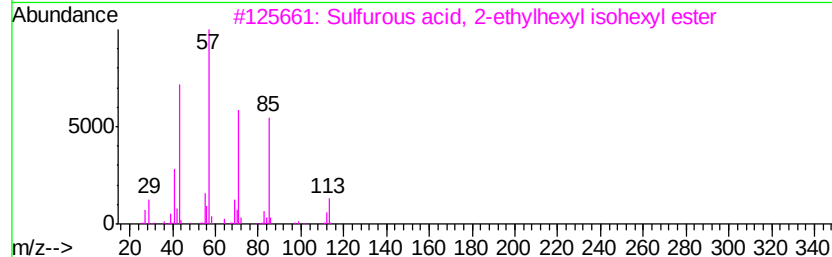
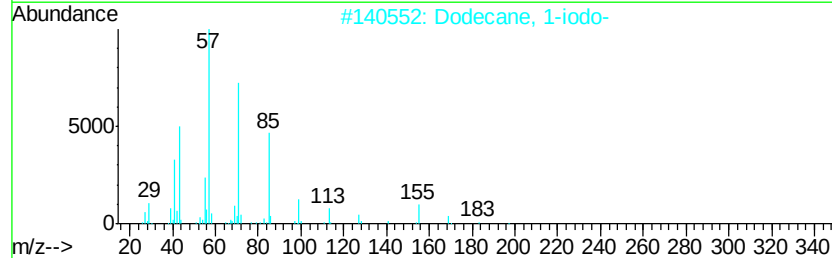
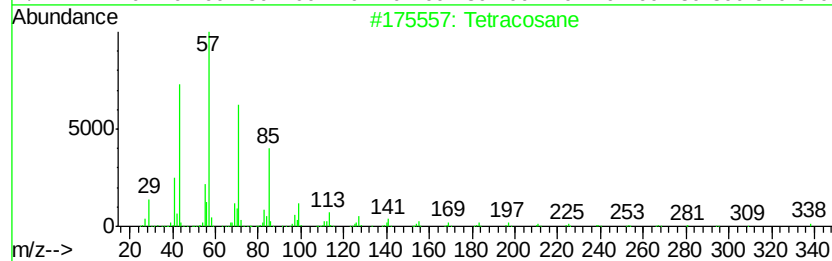
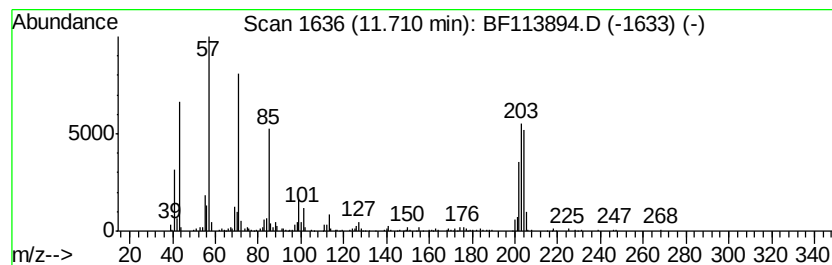
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown11.71 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.71	3.22 ng	242906	Phenanthrene-d10	11.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	46
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	46
3	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	43
4	Dodecane	170	C12H26	000112-40-3	41
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	41



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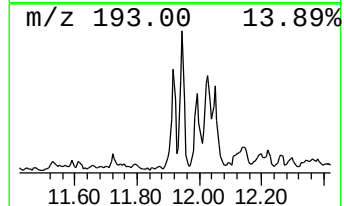
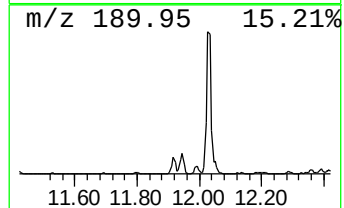
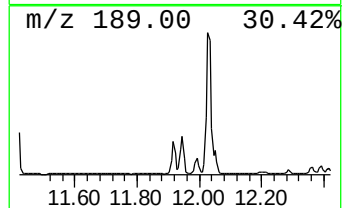
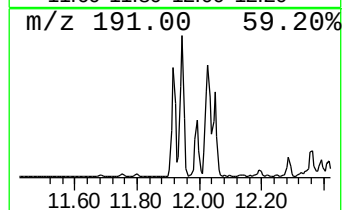
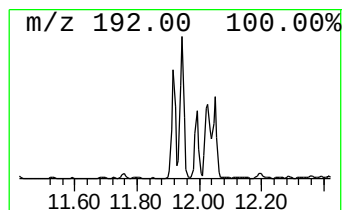
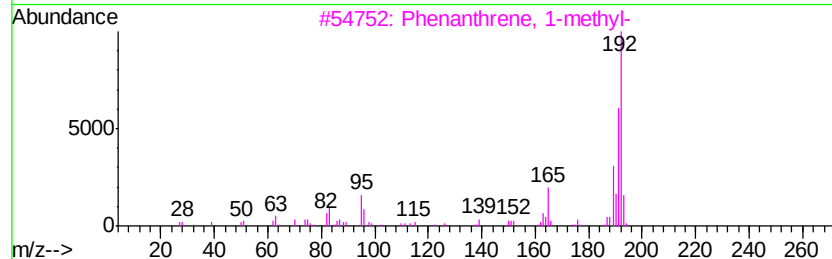
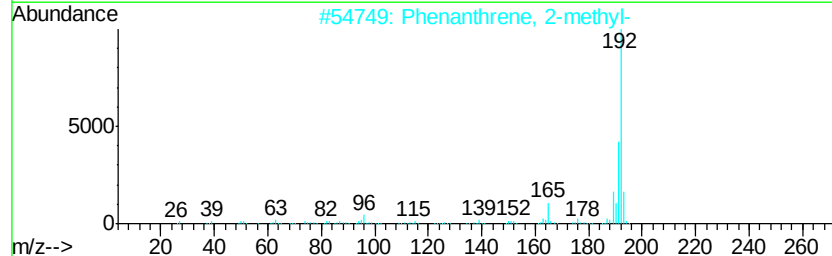
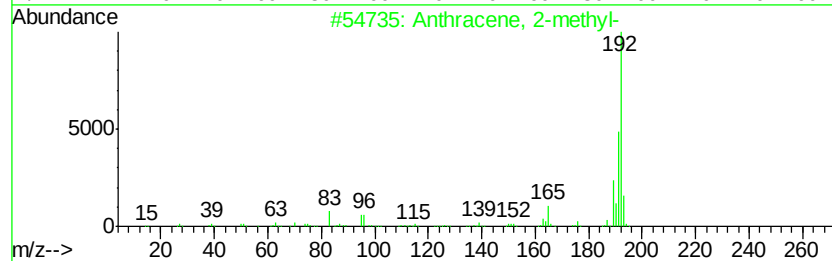
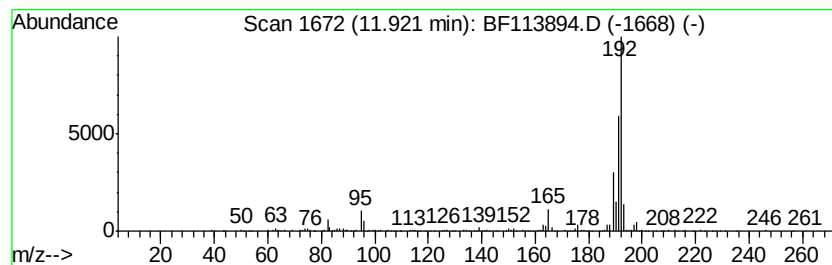
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	5.47 ng	413412	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
Data File : BF113894.D
Acq On : 22 Apr 2019 22:43
Operator : JU/SJ
Sample : K2199-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

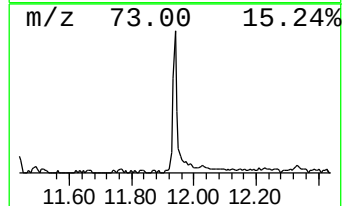
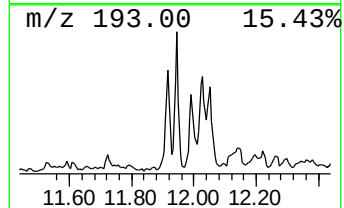
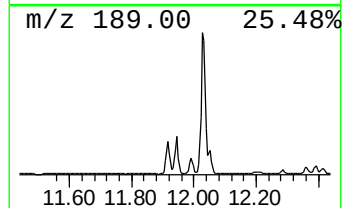
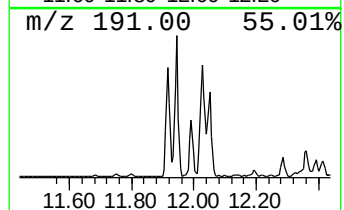
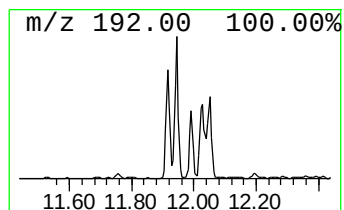
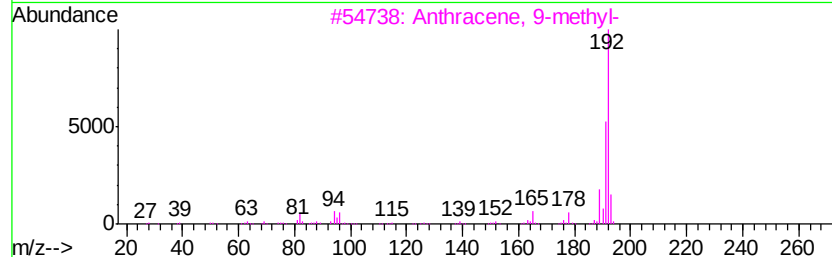
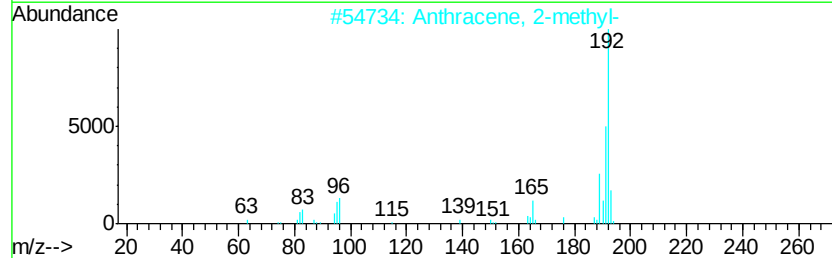
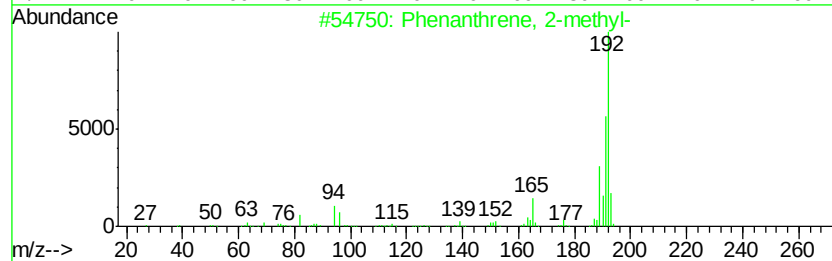
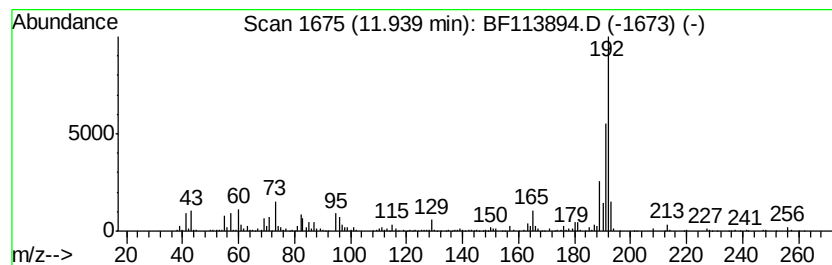
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.94	8.62 ng	650834	Phenanthrene-d10	11.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
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Operator : JU/SJ
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Instrument :
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ClientSampleId :
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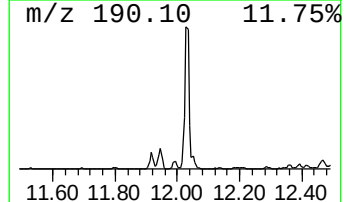
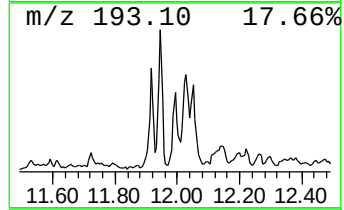
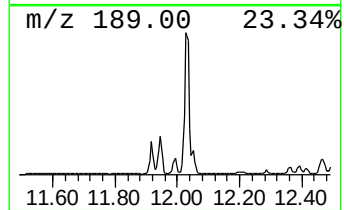
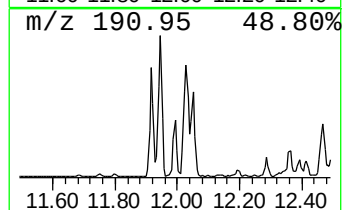
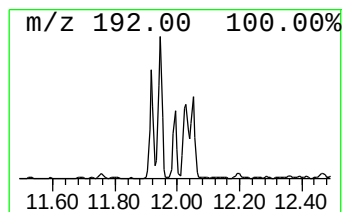
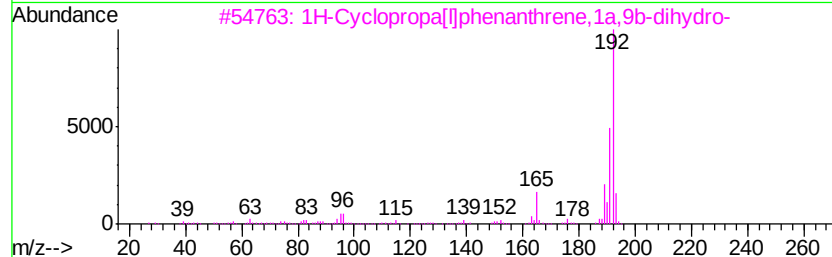
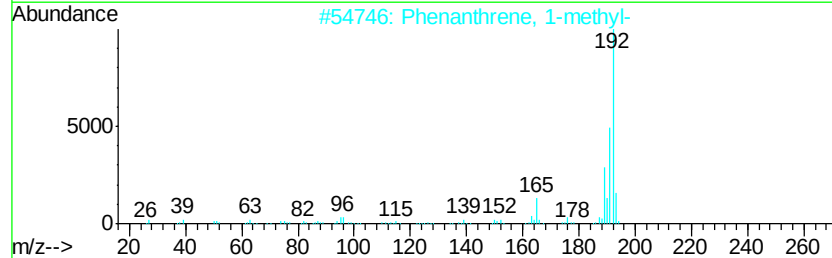
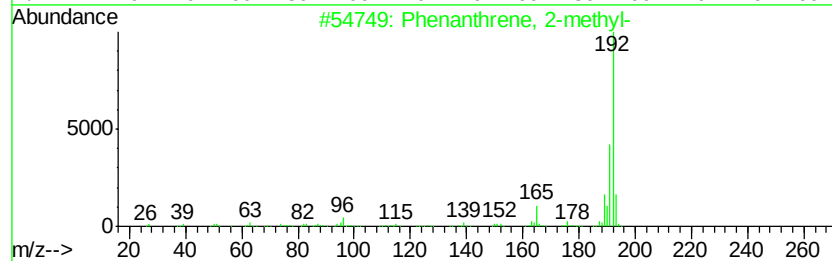
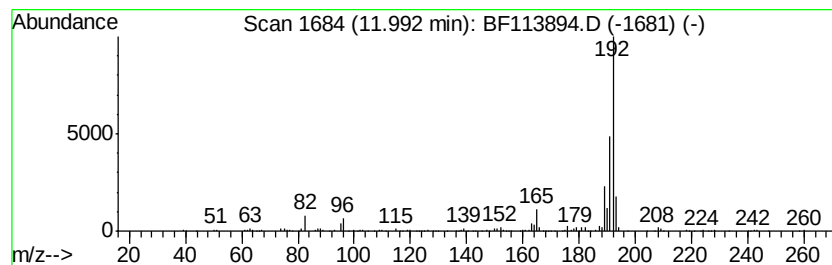
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.08 ng	232485	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
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Sample : K2199-13 2X
Misc :
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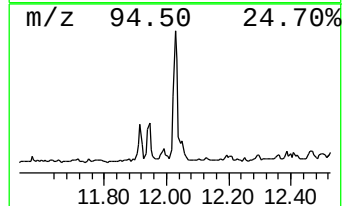
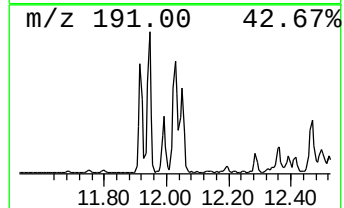
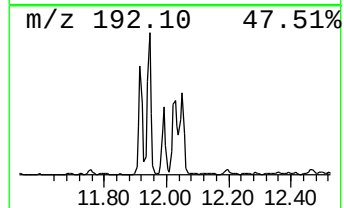
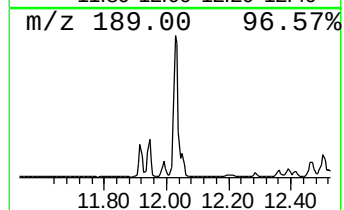
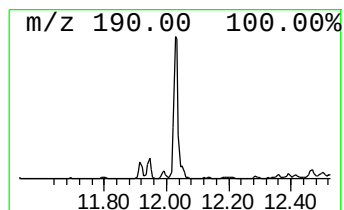
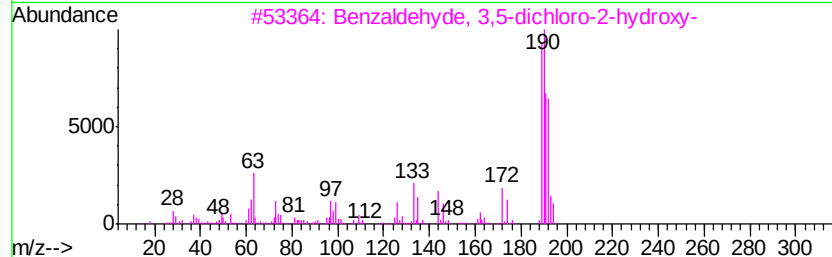
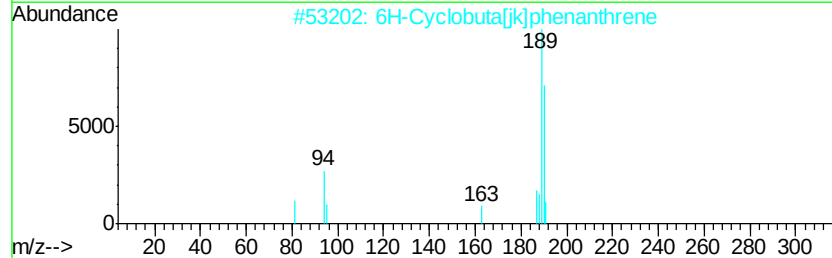
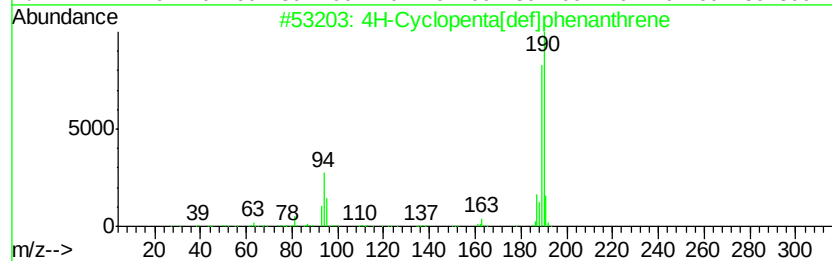
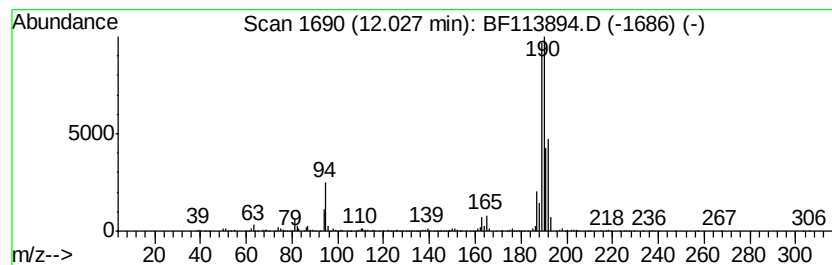
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.03	13.40 ng	1012210	Phenanthrene-d10	11.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	33
4	2,6-Dichlorobenzaloxime	189	C7H5Cl2NO	025185-95-9	30
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
Data File : BF113894.D
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Operator : JU/SJ
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ALS Vial : 12 Sample Multiplier: 1

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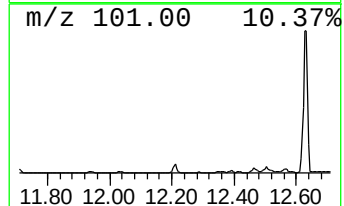
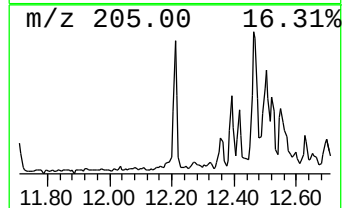
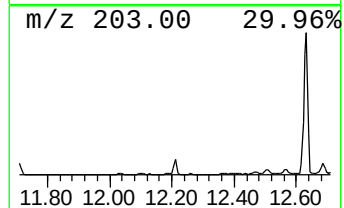
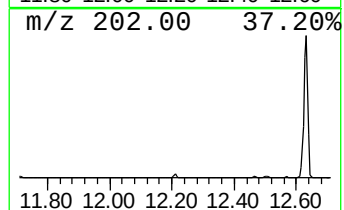
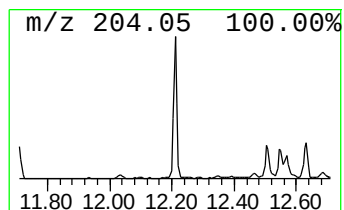
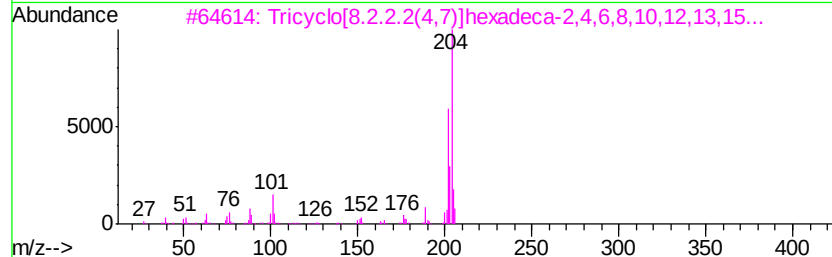
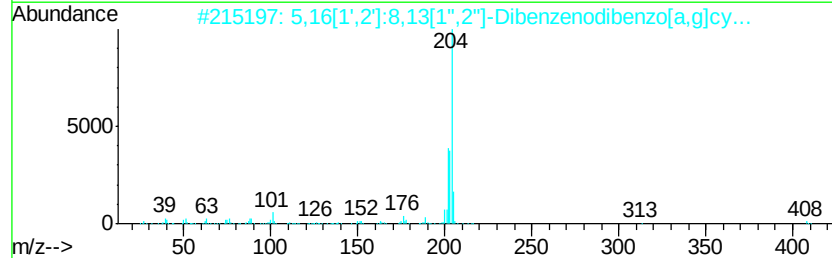
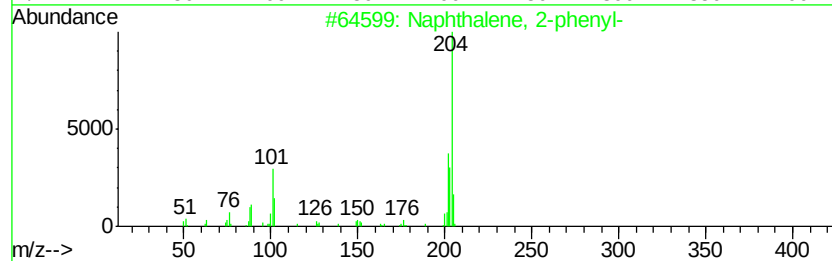
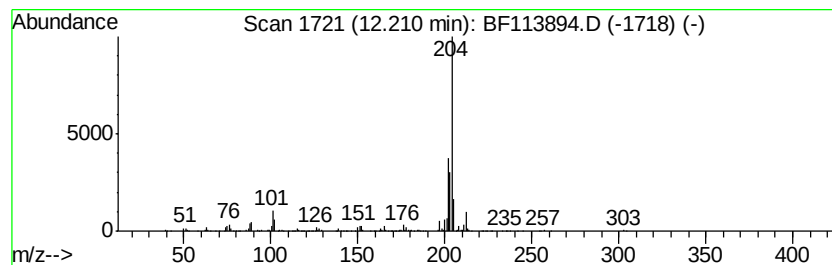
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	2.83 ng	214106	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
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	53
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
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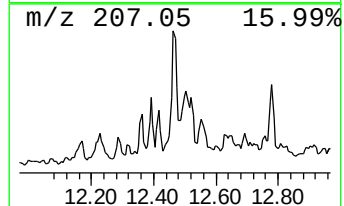
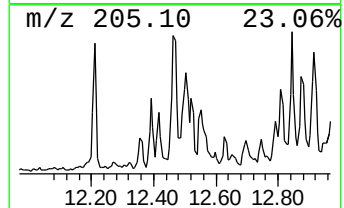
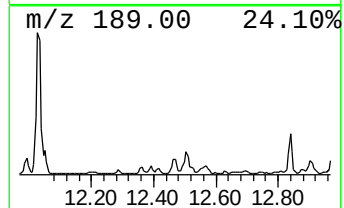
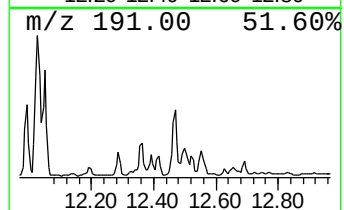
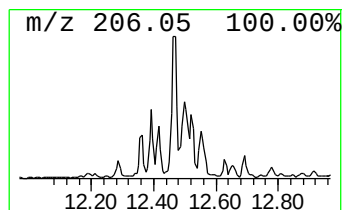
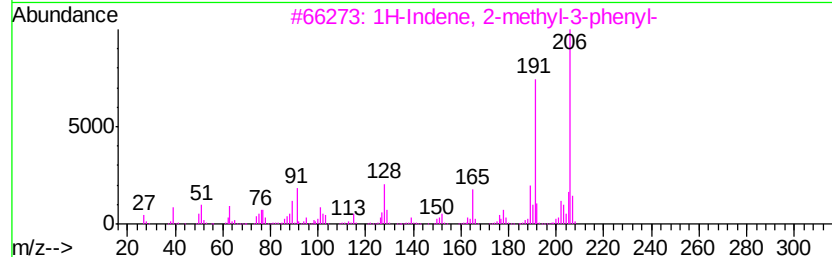
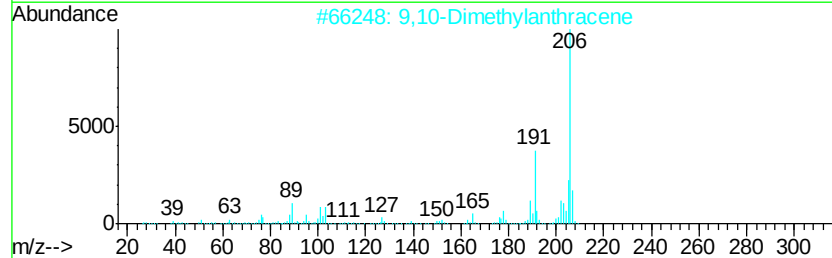
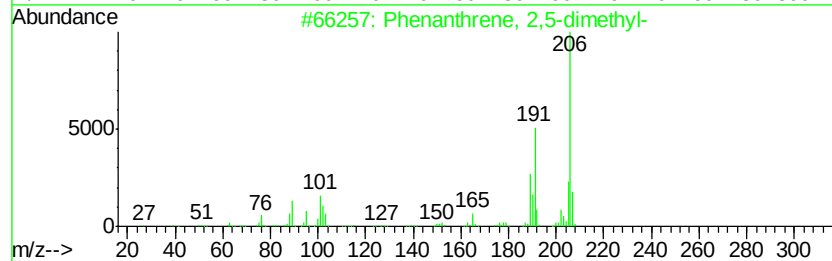
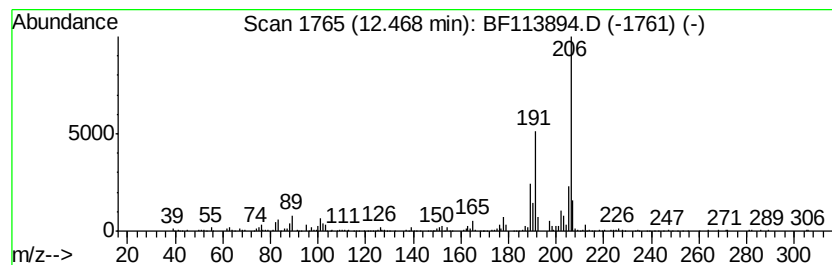
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.47	4.25 ng	320956	Phenanthrene-d10	11.42	
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	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86



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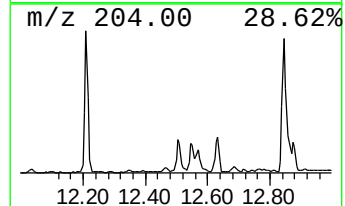
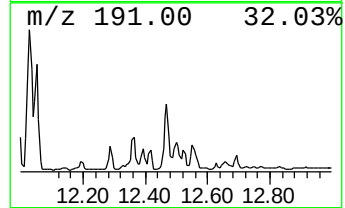
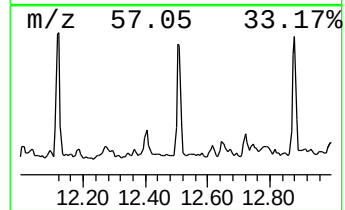
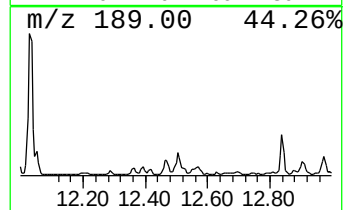
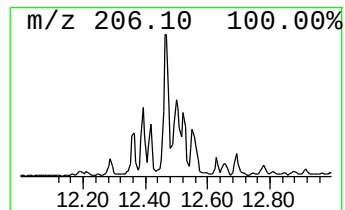
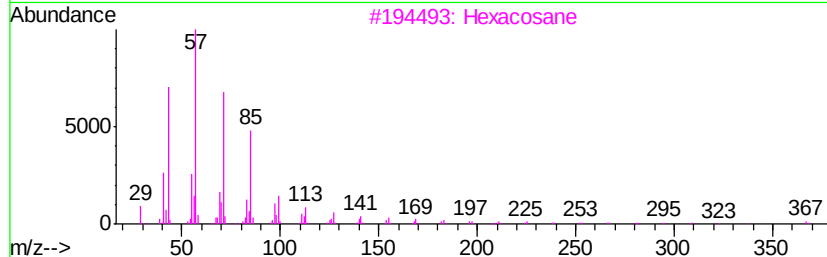
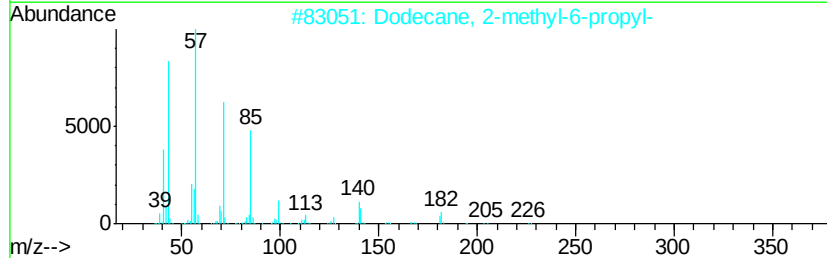
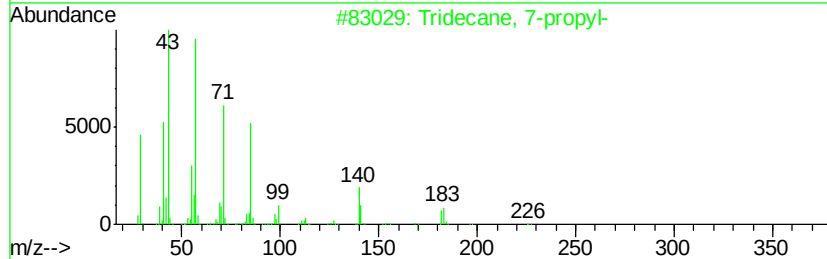
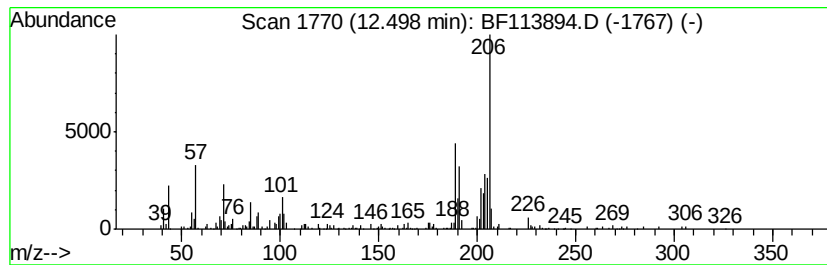
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown12.50 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	6.08 ng	459592	Phenanthrene-d10	11.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	47
2		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	30
3		Hexacosane	366	C26H54	000630-01-3	30
4		Nonadecane	268	C19H40	000629-92-5	30
5		Eicosane	282	C20H42	000112-95-8	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
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Sample : K2199-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

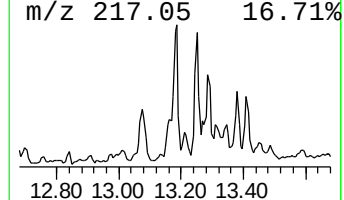
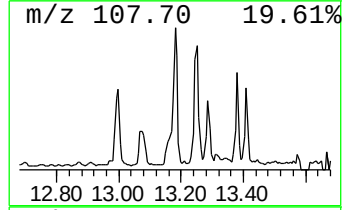
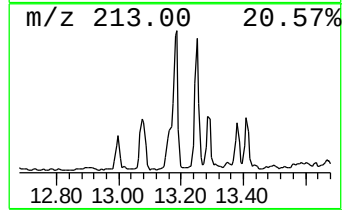
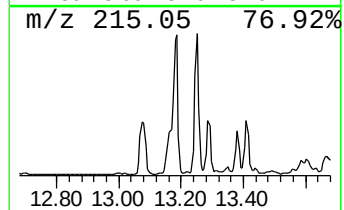
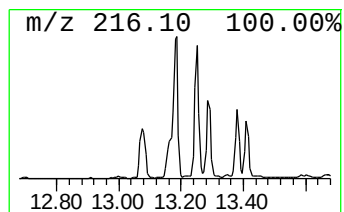
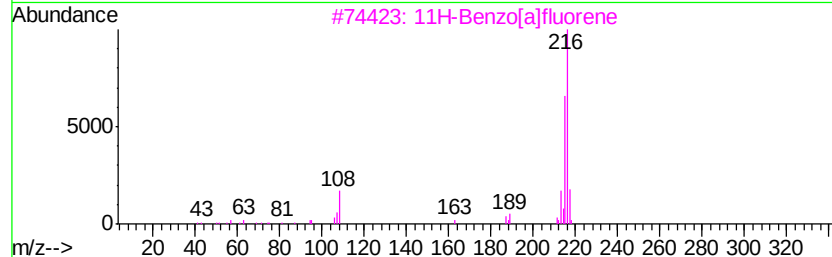
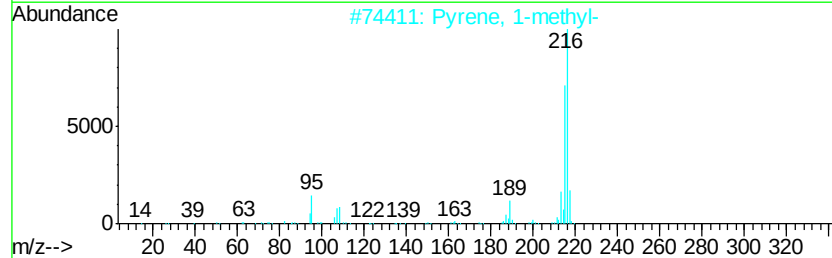
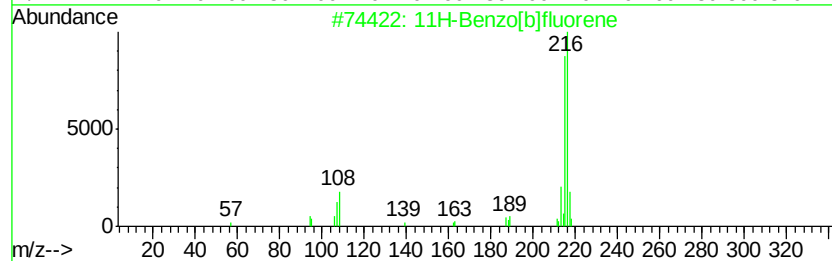
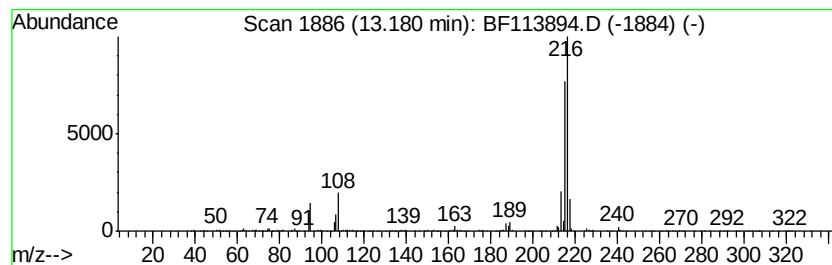
Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	3.45 ng	579711	Chrysene-d12	14.06
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 94
2		Pyrene, 1-methyl-	216 C17H12	002381-21-7 90
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 90
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 81
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
Data File : BF113894.D
Acq On : 22 Apr 2019 22:43
Operator : JU/SJ
Sample : K2199-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

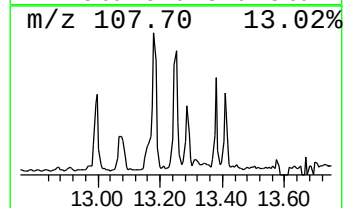
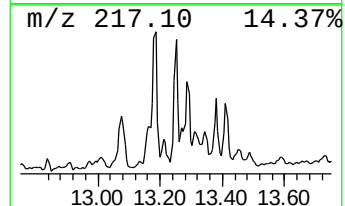
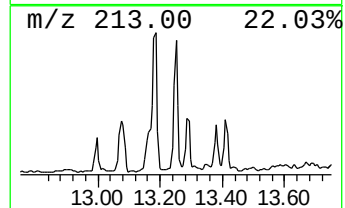
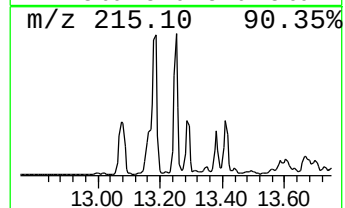
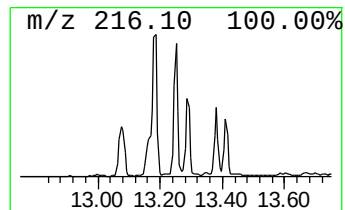
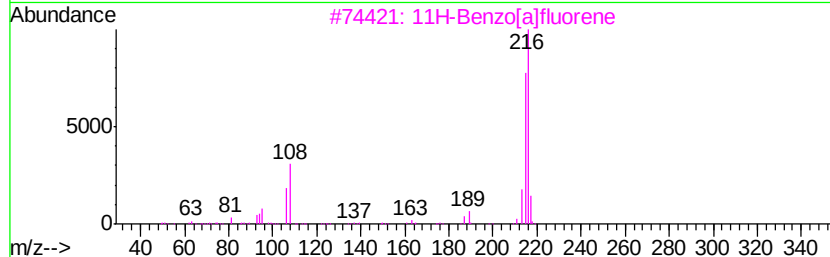
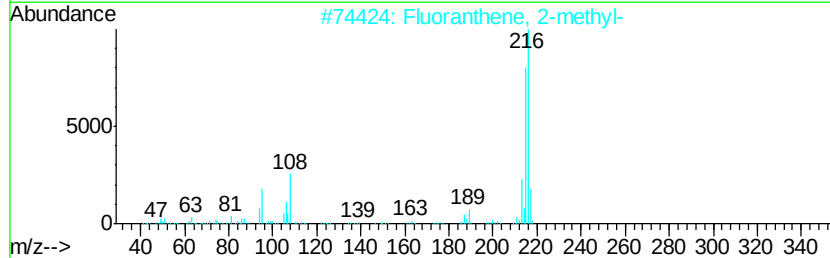
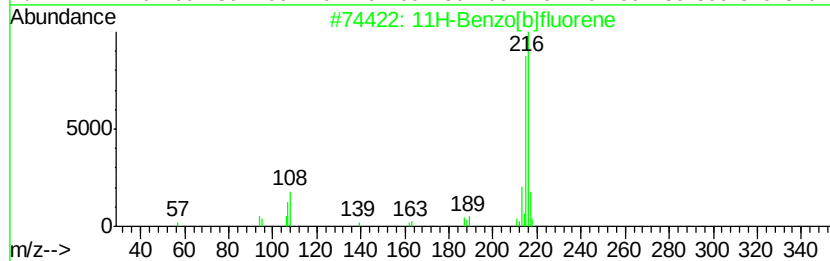
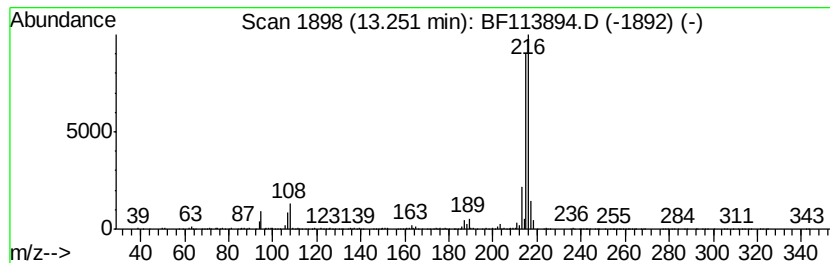
Instrument :
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ClientSampleId :
OR-03-041819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	3.79 ng	637495	Chrysene-d12	14.06
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 93
2		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 90
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 90
4		Pyrene, 1-methyl-	216 C17H12	002381-21-7 70
5		6,6'-Dimethoxy-2,2'-bipyridile	216 C12H12N2O2	039858-88-3 59



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
Data File : BF113894.D
Acq On : 22 Apr 2019 22:43
Operator : JU/SJ
Sample : K2199-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

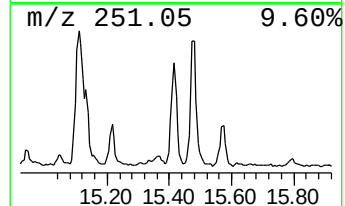
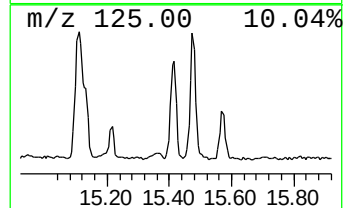
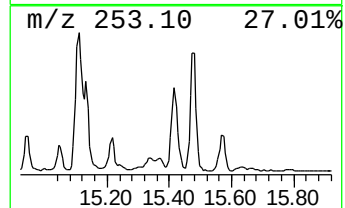
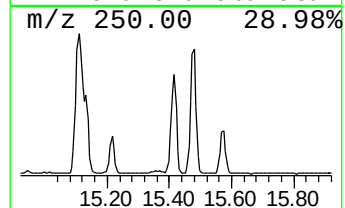
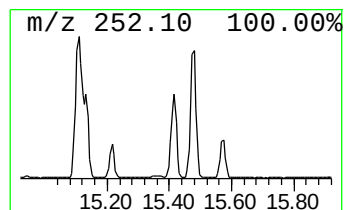
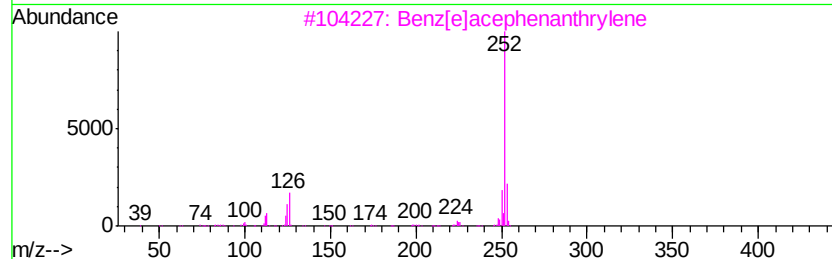
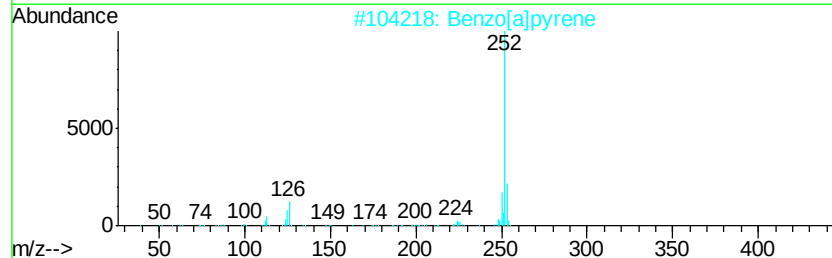
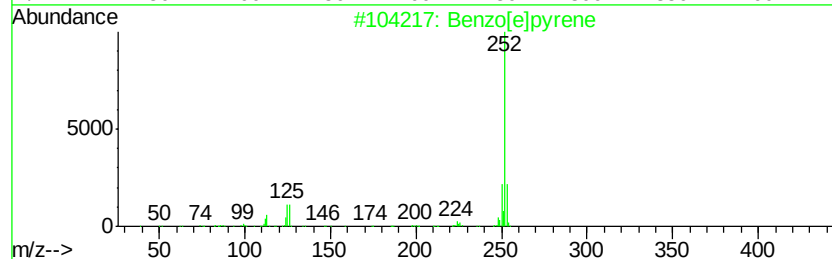
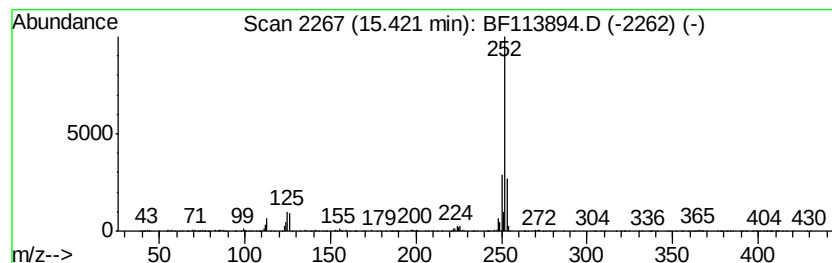
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
15.42	12.93 ng	949978	Perylene-d12	15.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[a]pyrene	252	C20H12	000050-32-8	96
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Perylene	252	C20H12	000198-55-0	90
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
 Data File : BF113894.D
 Acq On : 22 Apr 2019 22:43
 Operator : JU/SJ
 Sample : K2199-13 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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	32.1	ng	1823670	1	6.90	1134460	20.0
Tetradecane	9.34	3.9	ng	300623	3	9.93	1553140	20.0
Naphthalene, 1,6-...	9.51	2.6	ng	205075	3	9.93	1553140	20.0
Pentadecane	9.86	3.0	ng	236053	3	9.93	1553140	20.0
Bacchotricuneatin c	10.36	2.8	ng	220256	3	9.93	1553140	20.0
Tetradecane, 2,6,...	10.84	6.4	ng	483098	4	11.42	1510650	20.0
Heneicosane	11.29	3.1	ng	231711	4	11.42	1510650	20.0
Naphtho[1,2-b]thi...	11.31	5.0	ng	374829	4	11.42	1510650	20.0
unknown11.71	11.71	3.2	ng	242906	4	11.42	1510650	20.0
Anthracene, 2-met...	11.92	5.5	ng	413412	4	11.42	1510650	20.0
Phenanthrene, 2-m...	11.94	8.6	ng	650834	4	11.42	1510650	20.0
1H-Cyclopropa[l]p...	11.99	3.1	ng	232485	4	11.42	1510650	20.0
4H-Cyclopenta[def...	12.03	13.4	ng	1012210	4	11.42	1510650	20.0
Naphthalene, 2-ph...	12.21	2.8	ng	214106	4	11.42	1510650	20.0
Phenanthrene, 2,5...	12.47	4.3	ng	320956	4	11.42	1510650	20.0
unknown12.50	12.50	6.1	ng	459592	4	11.42	1510650	20.0
11H-Benzo[b]fluorene	13.18	3.5	ng	579711	5	14.06	3363110	20.0
Fluoranthene, 2-m...	13.25	3.8	ng	637495	5	14.06	3363110	20.0
Benzo[e]pyrene	15.42	12.9	ng	949978	6	15.54	1469720	20.0