

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
 Data File : BF113512.D
 Acq On : 2 Apr 2019 18:18
 Operator : JU/SJ
 Sample : K2190-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VN-SP-2

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-BF032519.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	3.628	255	262	273	rBV	31530	57281	2.06%	0.117%
2	5.257	535	539	544	rBV	93127	125314	4.51%	0.255%
3	5.304	544	547	563	rVB	2247269	2198193	79.09%	4.471%
4	5.522	579	584	593	rVB2	114711	136702	4.92%	0.278%
5	6.292	712	715	719	rBV	77676	61893	2.23%	0.126%
6	6.339	719	723	740	rBV	2508924	2426005	87.28%	4.935%
7	6.463	740	744	750	rBV	2735723	2393842	86.12%	4.869%
8	6.516	750	753	761	rVV	121167	132931	4.78%	0.270%
9	6.692	779	783	790	rBV	851086	779258	28.04%	1.585%
10	6.751	790	793	799	rVB	46981	42986	1.55%	0.087%
11	6.845	806	809	823	rVB	2144757	1869706	67.27%	3.803%
12	7.257	874	879	884	rBV	1504043	1493870	53.75%	3.039%
13	7.728	955	959	966	rBV2	50694	74243	2.67%	0.151%
14	7.792	967	970	978	rVB	58169	63427	2.28%	0.129%
15	7.969	997	1000	1011	rBV	1031733	1030799	37.09%	2.097%
16	8.616	1104	1110	1119	rVB	103851	175949	6.33%	0.358%
17	9.045	1179	1183	1186	rBV	3341970	2756816	99.18%	5.608%
18	9.210	1206	1211	1214	rBV2	42314	61312	2.21%	0.125%
19	9.251	1214	1218	1223	rVB2	33863	55787	2.01%	0.113%
20	9.380	1237	1240	1243	rBV	39552	37364	1.34%	0.076%
21	9.439	1247	1250	1257	rVB2	214798	246363	8.86%	0.501%
22	9.580	1270	1274	1281	rBV	528680	442796	15.93%	0.901%
23	9.722	1294	1298	1301	rBV	1145515	1111401	39.99%	2.261%
24	9.922	1329	1332	1337	rBV2	22867	38364	1.38%	0.078%
25	10.263	1387	1390	1397	rVB4	35042	52327	1.88%	0.106%
26	10.374	1406	1409	1414	rBV3	46844	59965	2.16%	0.122%
27	10.504	1427	1431	1444	rBV	1770634	1830850	65.87%	3.724%
28	10.633	1449	1453	1460	rVB3	61754	81231	2.92%	0.165%
29	10.963	1503	1509	1514	rBV2	63454	106727	3.84%	0.217%
30	11.010	1514	1517	1520	rVB	47004	46540	1.67%	0.095%
31	11.198	1545	1549	1551	rBV	1329081	1127754	40.57%	2.294%
32	11.221	1551	1553	1556	rVV	802440	647006	23.28%	1.316%
33	11.274	1559	1562	1565	rVV	159018	138853	5.00%	0.282%
34	11.316	1565	1569	1572	rVV3	29658	37657	1.35%	0.077%

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35	11.492	1596	1599	1603	rVB	228646	200465	7.21%	0.408%
36	11.533	1603	1606	1610	rVB3	36241	44638	1.61%	0.091%
37	11.592	1614	1616	1623	rVB3	39059	66468	2.39%	0.135%
38	11.698	1631	1634	1637	rBV	187992	153572	5.53%	0.312%
39	11.733	1637	1640	1645	rVV2	367637	451117	16.23%	0.918%
40	11.774	1645	1647	1649	rVV	73088	63535	2.29%	0.129%
41	11.810	1649	1653	1655	rVV	429154	420657	15.13%	0.856%
42	11.833	1655	1657	1662	rVB	190449	166493	5.99%	0.339%
43	11.992	1681	1684	1688	rBV	480882	392777	14.13%	0.799%
44	12.027	1688	1690	1695	rVB4	55415	55180	1.99%	0.112%
45	12.145	1708	1710	1713	rVB2	52385	43374	1.56%	0.088%
46	12.245	1724	1727	1730	rBV	151614	148231	5.33%	0.302%
47	12.286	1730	1734	1740	rVB3	110591	177926	6.40%	0.362%
48	12.339	1740	1743	1747	rBV3	151035	173151	6.23%	0.352%
49	12.410	1751	1755	1758	rBV	2209754	1910913	68.75%	3.887%
50	12.504	1768	1771	1777	rBV	252668	254881	9.17%	0.518%
51	12.574	1781	1783	1788	rVB	96897	97033	3.49%	0.197%
52	12.639	1789	1794	1797	rVV	2955172	2779514	100.00%	5.654%
53	12.663	1797	1798	1800	rVV	82263	47531	1.71%	0.097%
54	12.692	1800	1803	1808	rVB2	45170	66804	2.40%	0.136%
55	12.780	1814	1818	1821	rBV	2637948	2311634	83.17%	4.702%
56	12.857	1827	1831	1838	rBV	144074	201230	7.24%	0.409%
57	12.963	1842	1849	1852	rVB	256905	445677	16.03%	0.907%
58	13.027	1856	1860	1863	rBV2	133073	162753	5.86%	0.331%
59	13.068	1864	1867	1869	rBV	223613	178239	6.41%	0.363%
60	13.157	1880	1882	1885	rVV	208489	192452	6.92%	0.391%
61	13.192	1885	1888	1891	rVB	296141	272344	9.80%	0.554%
62	13.357	1914	1916	1920	rBV3	68988	82147	2.96%	0.167%
63	13.474	1933	1936	1940	rVB	161466	169240	6.09%	0.344%
64	13.580	1948	1954	1956	rBV2	107110	156215	5.62%	0.318%
65	13.604	1956	1958	1960	rVV	246812	197645	7.11%	0.402%
66	13.633	1960	1963	1966	rVB	371701	295214	10.62%	0.600%
67	13.686	1968	1972	1975	rBV2	201857	273225	9.83%	0.556%
68	13.827	1991	1996	1999	rBV2	1520847	2197448	79.06%	4.470%
69	13.857	1999	2001	2005	rVB	1061365	869509	31.28%	1.769%
70	13.933	2011	2014	2016	rBV	110007	92544	3.33%	0.188%
71	13.980	2019	2022	2024	rBV	264725	249405	8.97%	0.507%

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72	14.180	2053	2056	2058	rBV2	75382	78388	2.82%	0.159%
73	14.215	2058	2062	2066	rVV2	181408	265901	9.57%	0.541%
74	14.251	2066	2068	2072	rVV2	117908	180764	6.50%	0.368%
75	14.298	2073	2076	2080	rVV4	227455	348829	12.55%	0.710%
76	14.339	2080	2083	2085	rVV2	178095	198283	7.13%	0.403%
77	14.362	2085	2087	2090	rVV	202786	180729	6.50%	0.368%
78	14.409	2092	2095	2098	rVB	139279	139488	5.02%	0.284%
79	14.462	2101	2104	2106	rBV	39992	41393	1.49%	0.084%
80	14.598	2124	2127	2133	rBV4	92172	118371	4.26%	0.241%
81	14.686	2140	2142	2147	rBV3	52111	73753	2.65%	0.150%
82	14.845	2164	2169	2176	rBV	1099428	1890262	68.01%	3.845%
83	14.909	2177	2180	2182	rVV	77381	83993	3.02%	0.171%
84	14.939	2182	2185	2189	rVB	225760	233452	8.40%	0.475%
85	15.121	2211	2216	2221	rVB	895314	1040652	37.44%	2.117%
86	15.180	2221	2226	2230	rBV2	1188657	1506518	54.20%	3.064%
87	15.239	2230	2236	2238	rVV	815335	1053405	37.90%	2.143%
88	15.262	2238	2240	2247	rVB	275542	358837	12.91%	0.730%
89	15.398	2260	2263	2266	rBV3	49862	68803	2.48%	0.140%
90	15.533	2282	2286	2289	rBV2	56913	74473	2.68%	0.151%
91	15.651	2302	2306	2309	rBV2	74573	100209	3.61%	0.204%
92	15.709	2314	2316	2319	rVV2	44369	50743	1.83%	0.103%
93	15.751	2320	2323	2328	rVB2	126908	171920	6.19%	0.350%
94	16.403	2431	2434	2436	rBV	34757	46486	1.67%	0.095%
95	16.439	2437	2440	2454	rVB2	104604	318103	11.44%	0.647%
96	16.586	2459	2465	2471	rBV	565642	1004688	36.15%	2.044%
97	16.745	2487	2492	2496	rBV	62314	102492	3.69%	0.208%
98	16.798	2497	2501	2508	rVV	62684	124177	4.47%	0.253%
99	16.998	2527	2535	2548	rVB	569252	1164871	41.91%	2.369%
100	17.209	2568	2571	2584	rVB	54375	139958	5.04%	0.285%

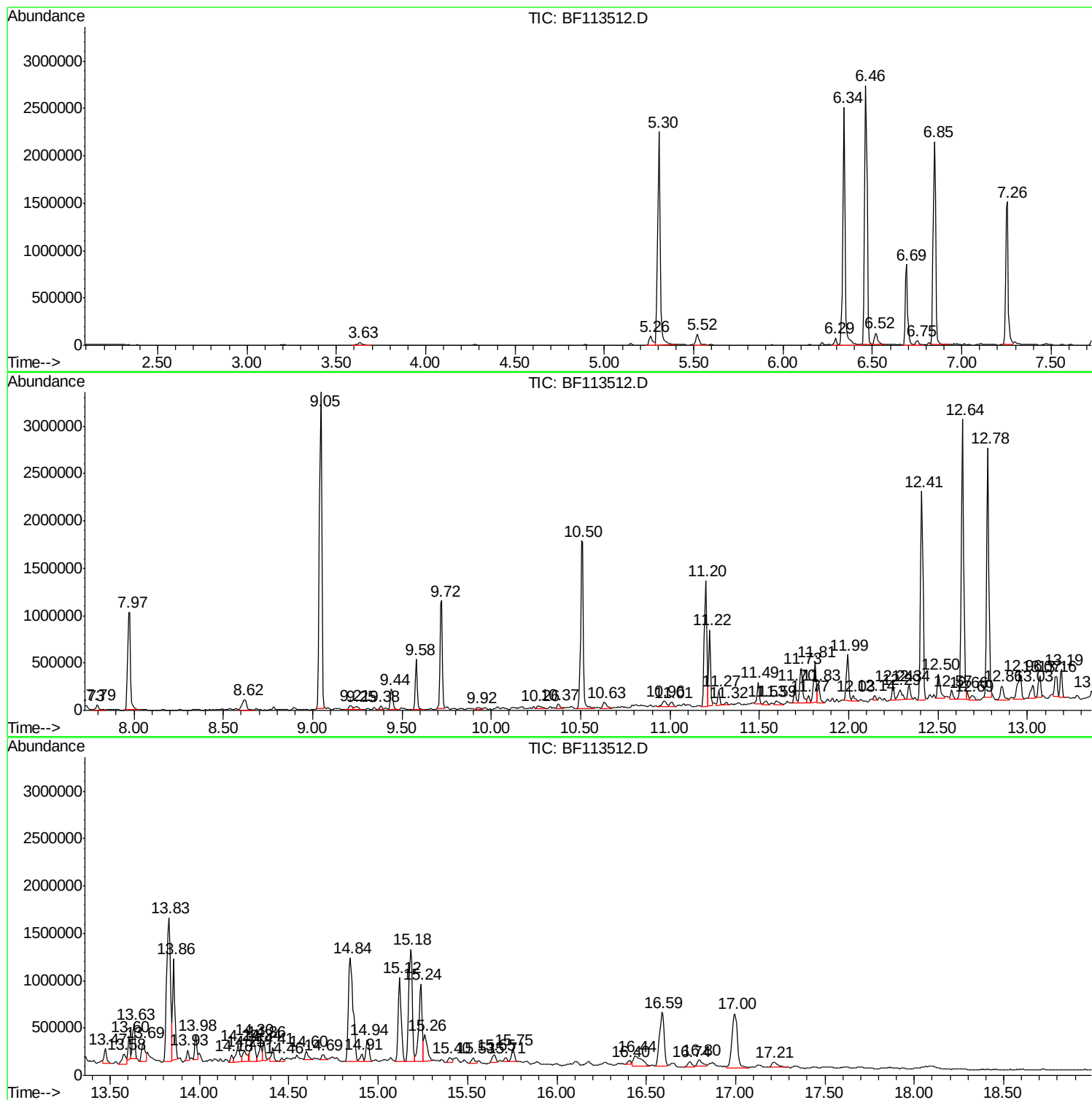
Sum of corrected areas: 49162634

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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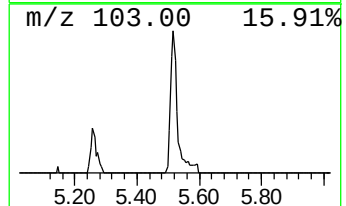
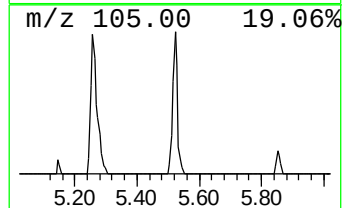
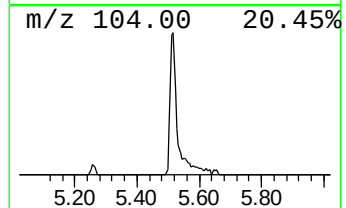
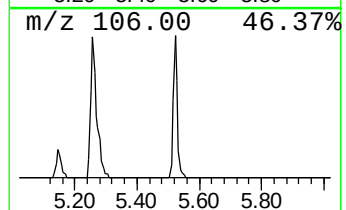
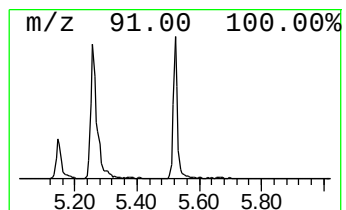
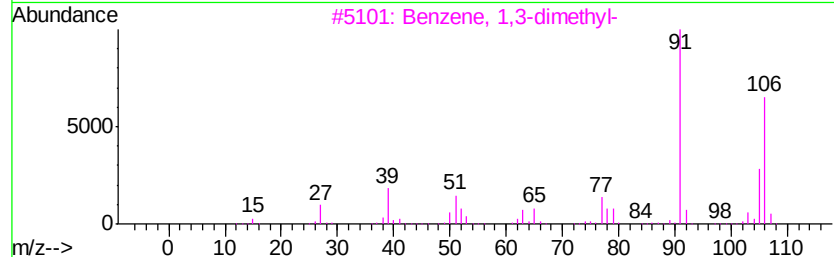
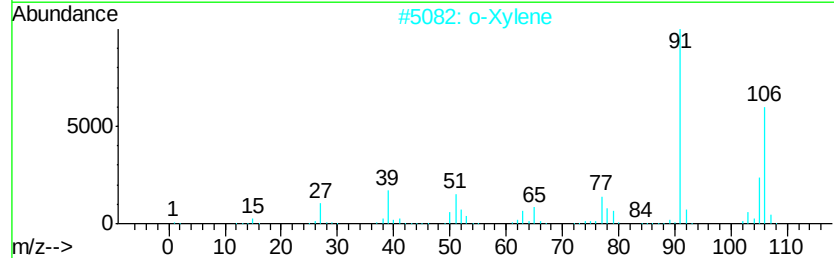
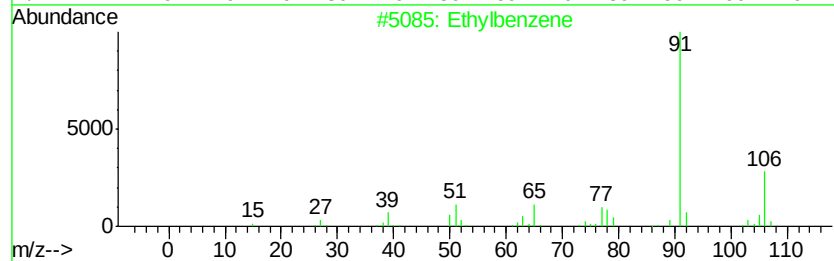
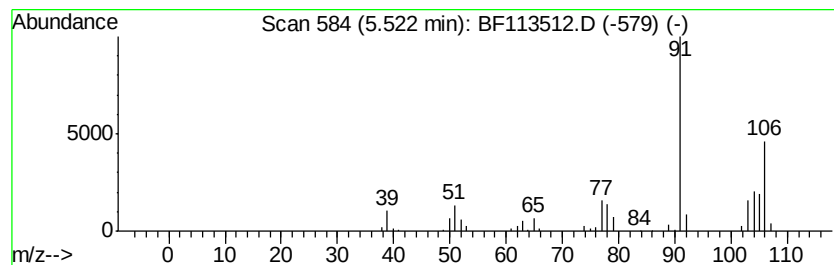
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	3.51 ng	136702	1,4-Dichlorobenzene-d4	6.69

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethylbenzene	106	C8H10	000100-41-4	87
2			o-Xylene	106	C8H10	000095-47-6	87
3			Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	83
4			p-Xylene	106	C8H10	000106-42-3	83
5			1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	72



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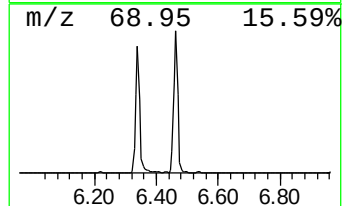
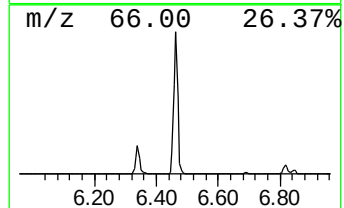
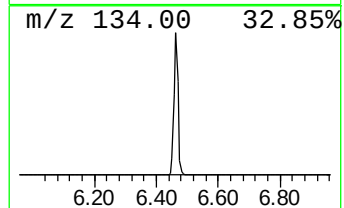
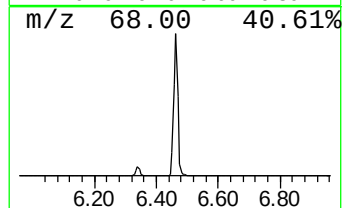
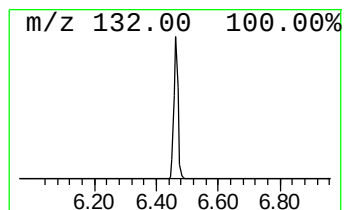
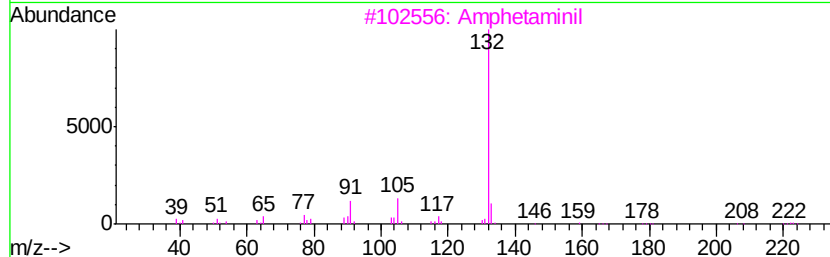
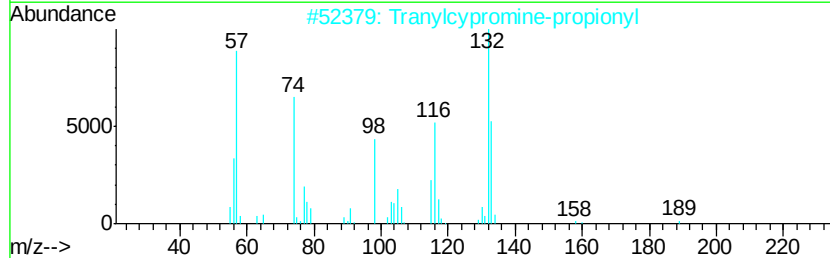
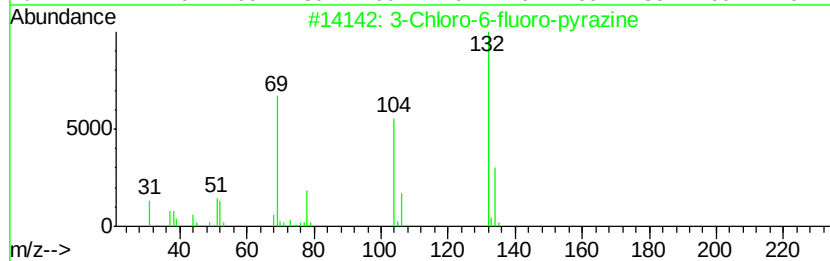
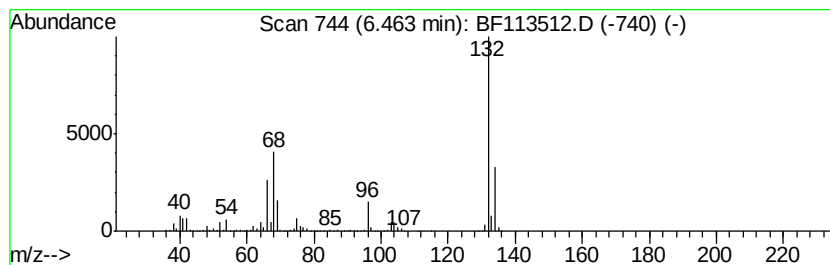
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	61.44 ng	2393840	1,4-Dichlorobenzene-d4	6.69

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	12
3		Amphetaminil	250	C17H18N2	017590-01-1	12
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
5		5-Aminoindole	132	C8H8N2	005192-03-0	12



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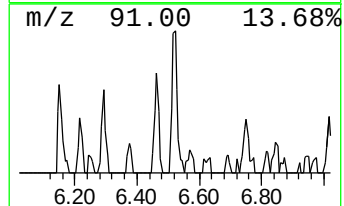
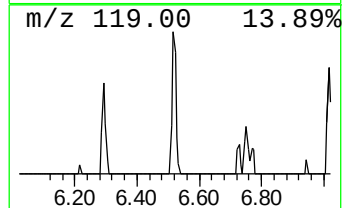
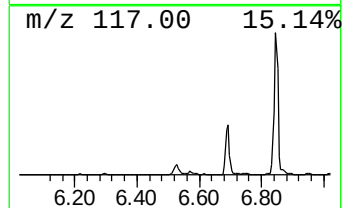
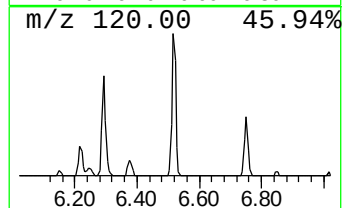
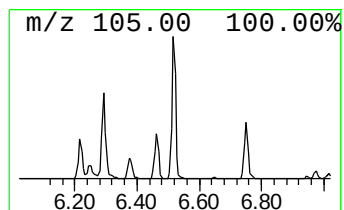
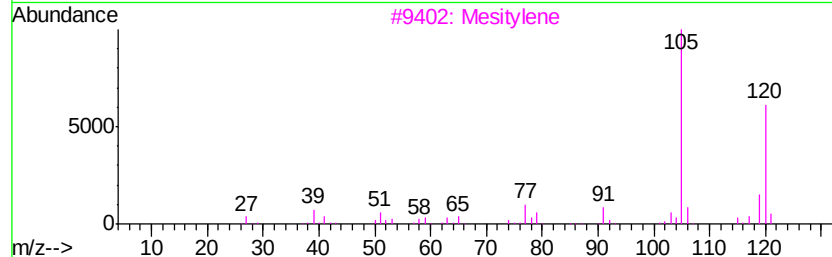
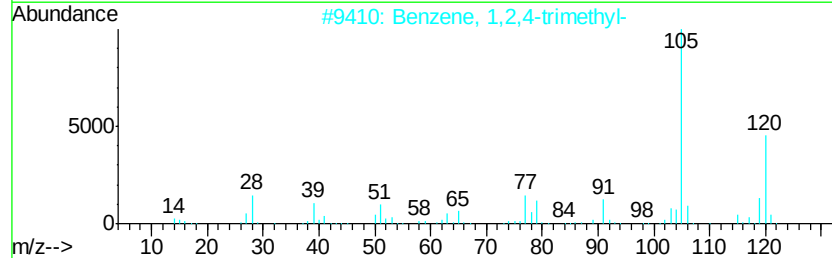
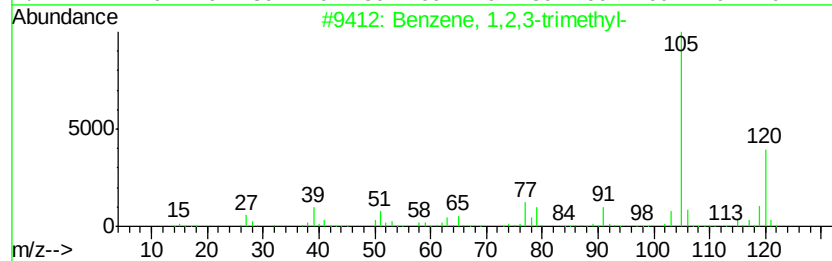
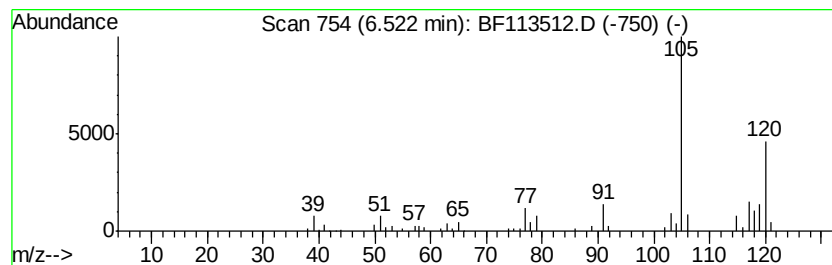
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	3.41 ng	132931	1,4-Dichlorobenzene-d4	6.69

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3			Mesitylene	120	C9H12	000108-67-8	91
4			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113512.D
Acq On : 2 Apr 2019 18:18
Operator : JU/SJ
Sample : K2190-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

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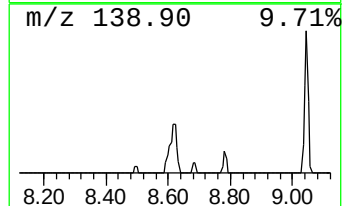
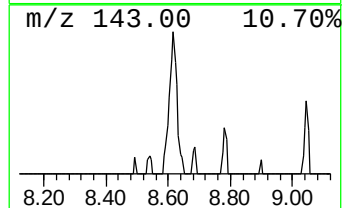
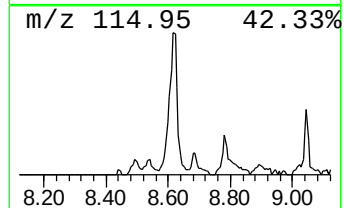
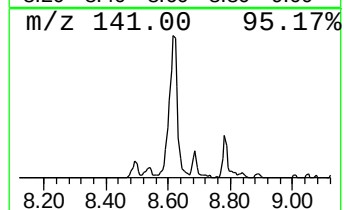
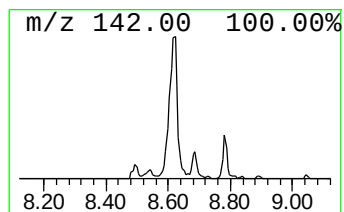
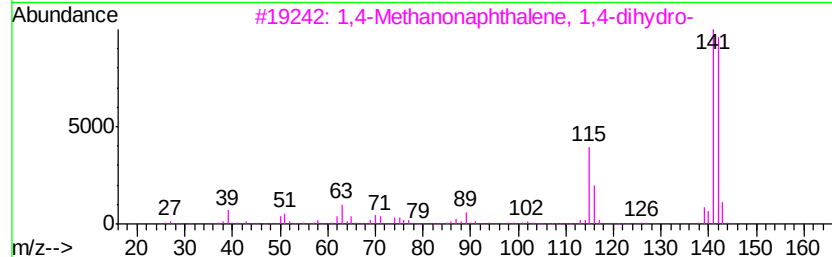
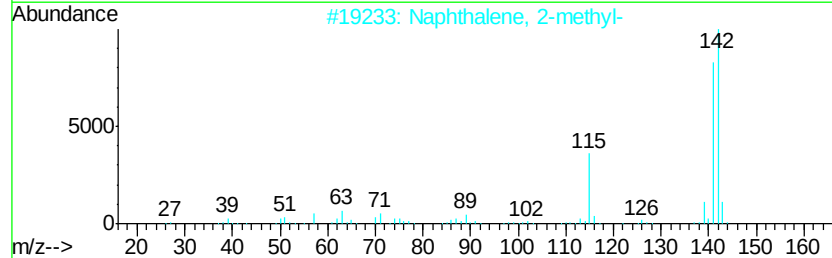
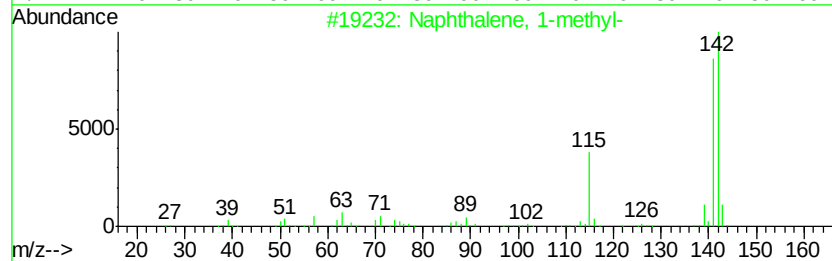
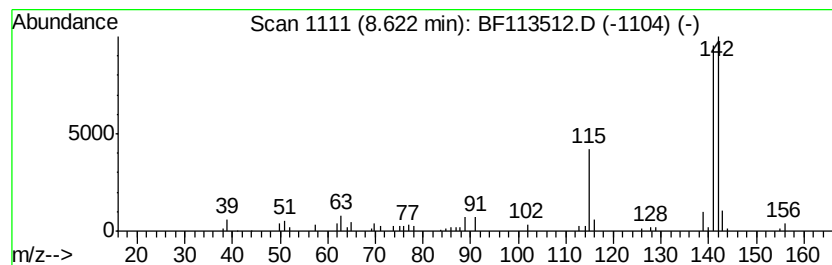
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	3.41 ng	175949	Naphthalene-d8	7.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5		Benzocycloheptatriene	142	C11H10	000264-09-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113512.D
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Sample : K2190-04
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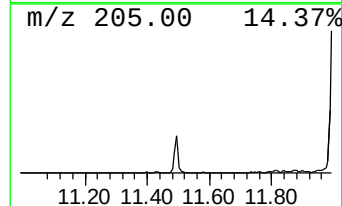
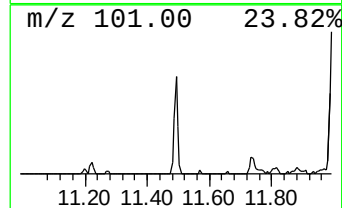
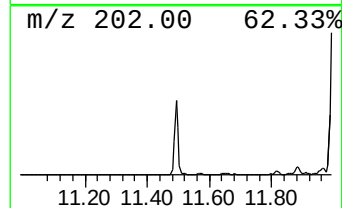
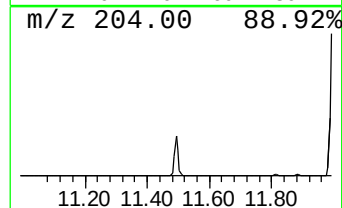
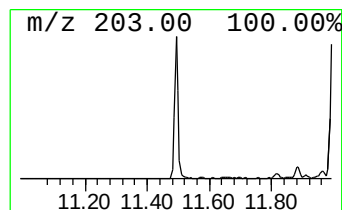
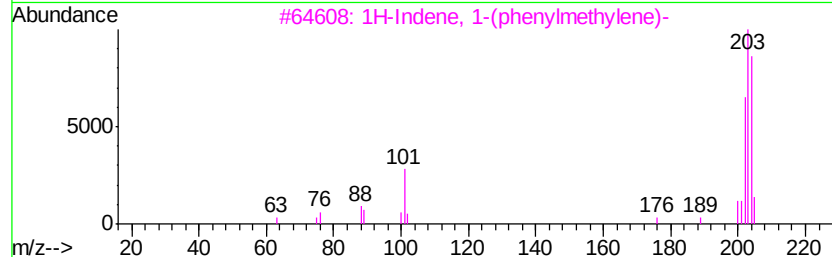
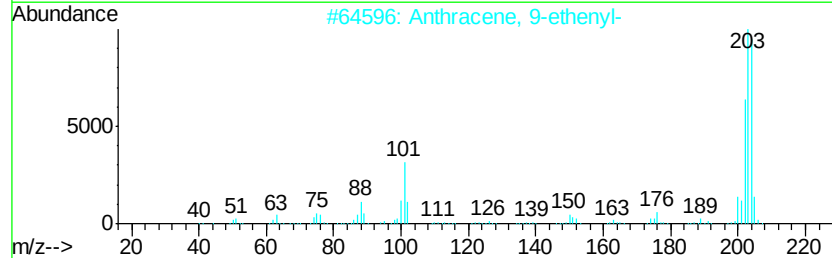
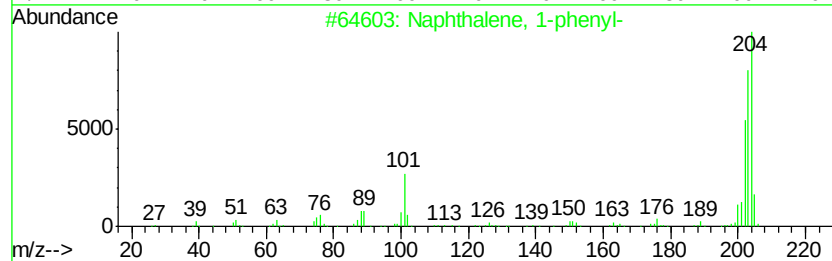
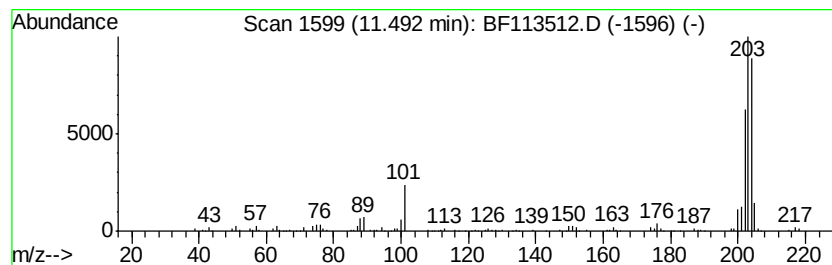
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.49	3.56 ng	200465	Phenanthrene-d10	11.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	90
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	76
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113512.D
Acq On : 2 Apr 2019 18:18
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Sample : K2190-04
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ALS Vial : 13 Sample Multiplier: 1

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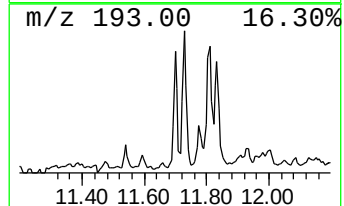
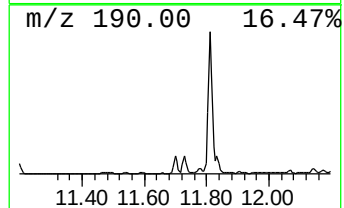
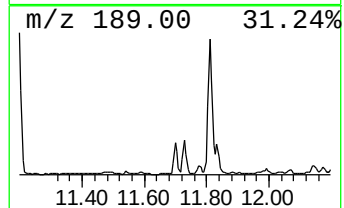
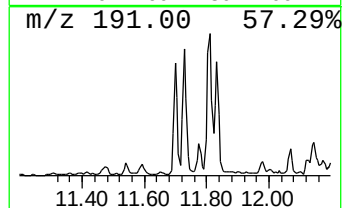
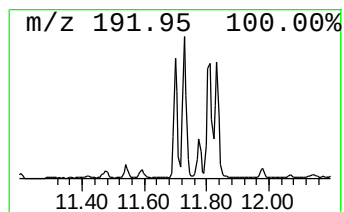
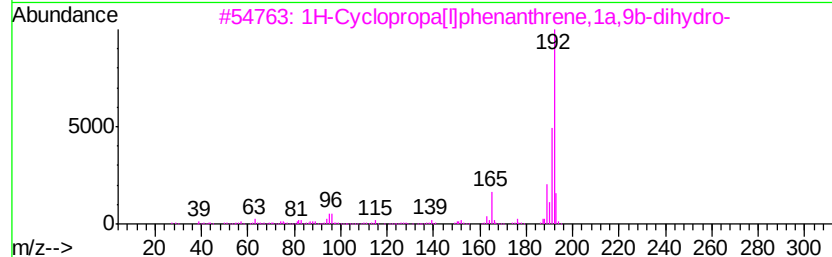
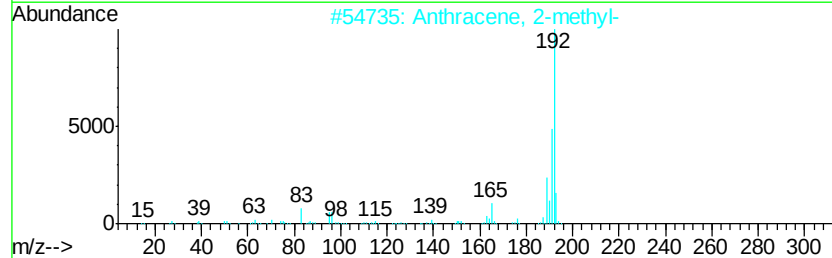
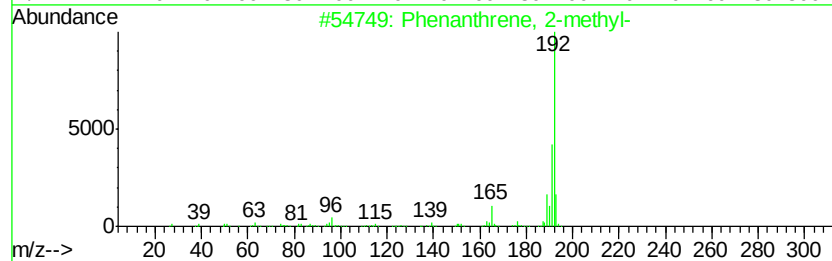
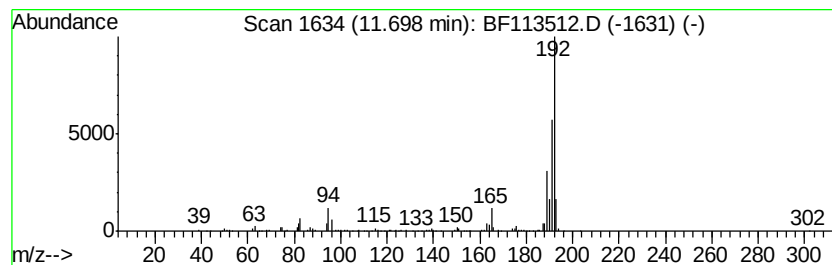
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	2.72 ng	153572	Phenanthrene-d10	11.20

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113512.D
Acq On : 2 Apr 2019 18:18
Operator : JU/SJ
Sample : K2190-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

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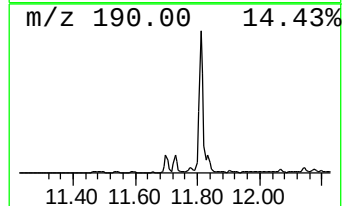
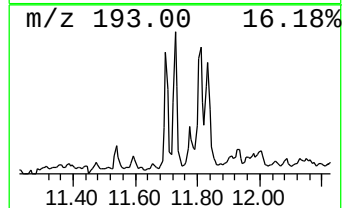
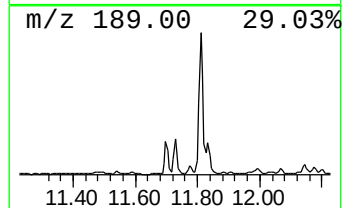
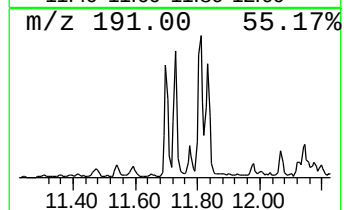
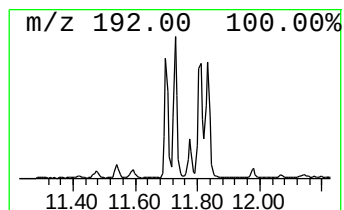
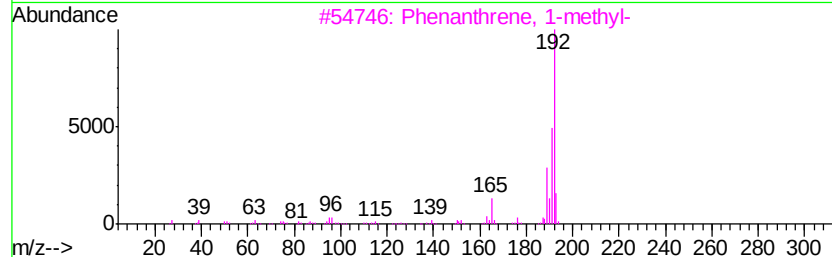
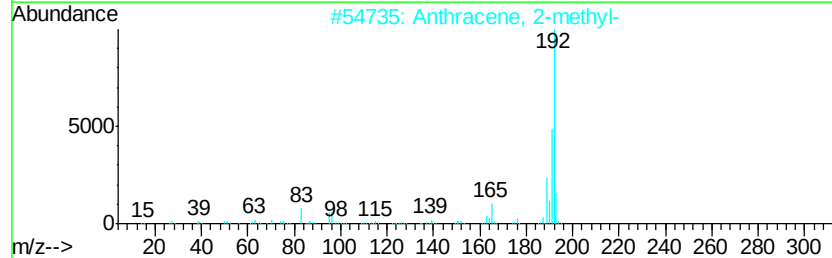
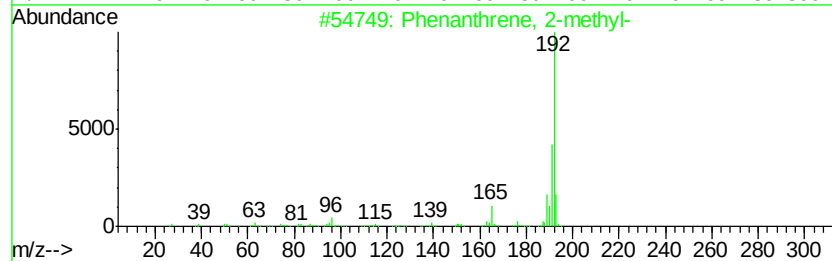
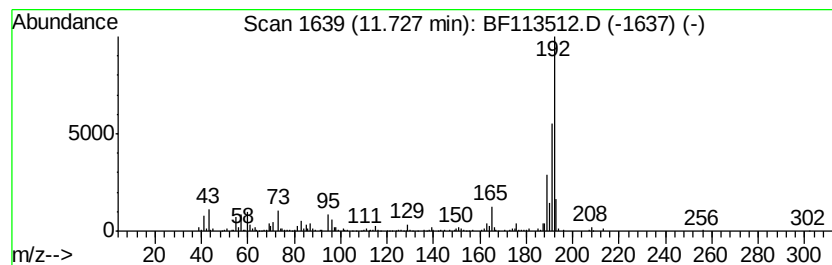
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	8.00 ng	451117	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
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Sample : K2190-04
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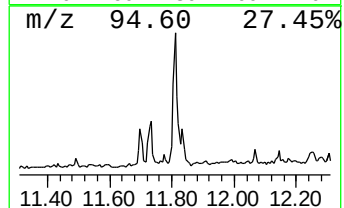
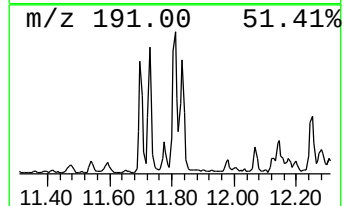
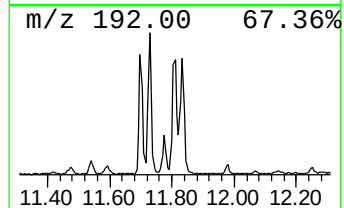
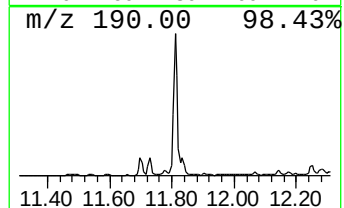
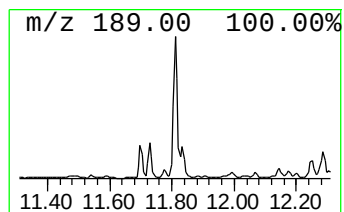
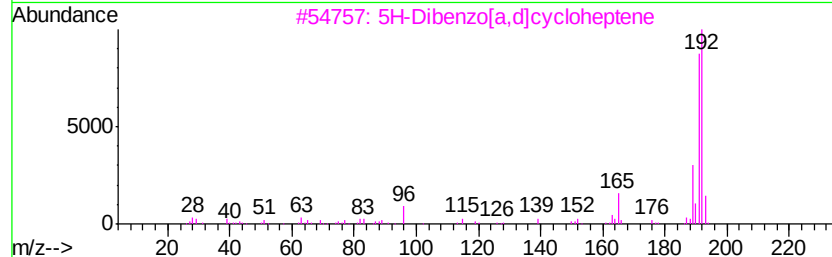
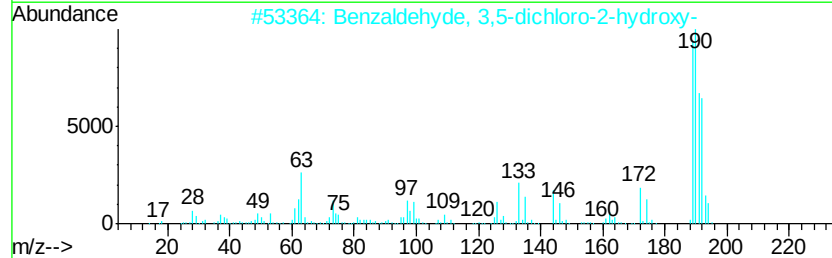
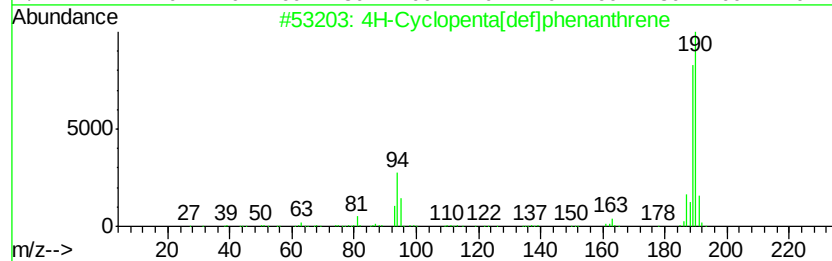
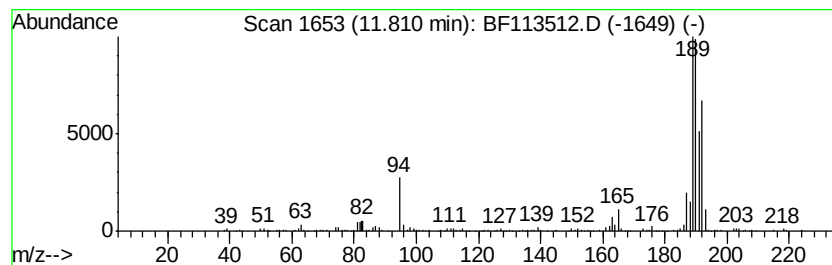
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.81	7.46 ng	420657	Phenanthrene-d10	11.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	Benzene, 1,1'-(1,2-propadienyld...	192	C15H12	014251-57-1	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
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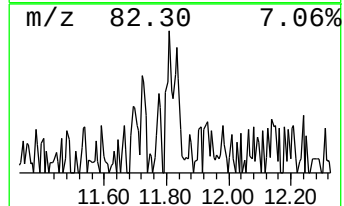
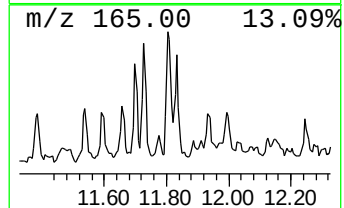
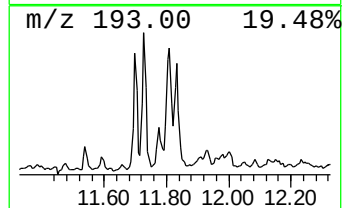
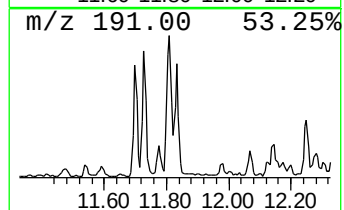
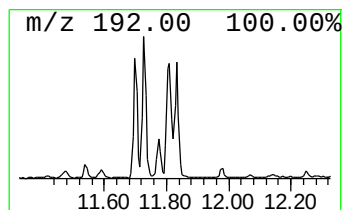
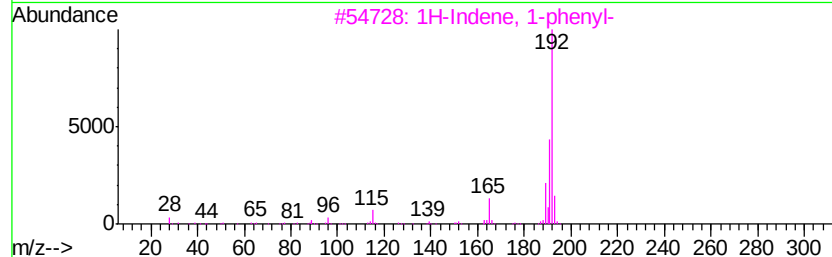
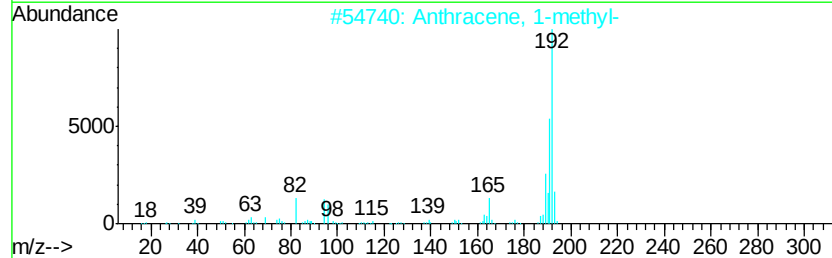
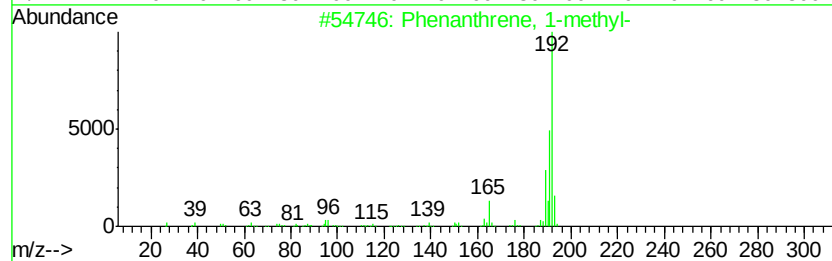
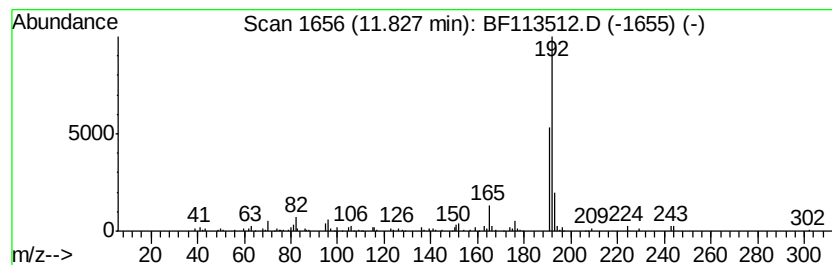
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.83	2.95 ng	166493	Phenanthrene-d10		11.20
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
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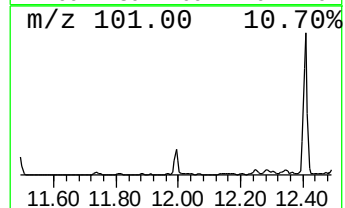
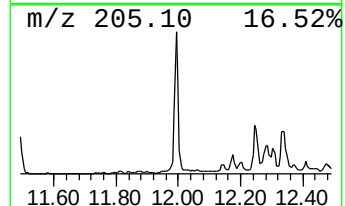
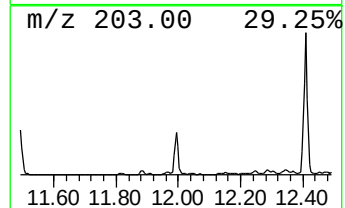
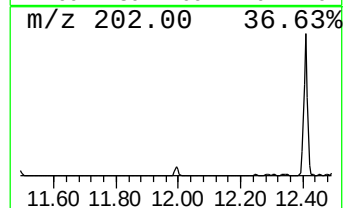
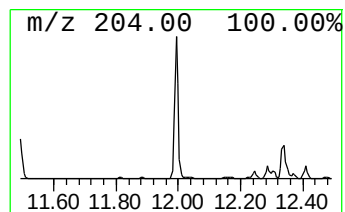
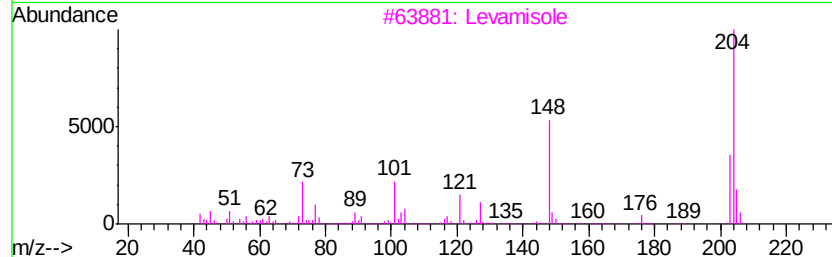
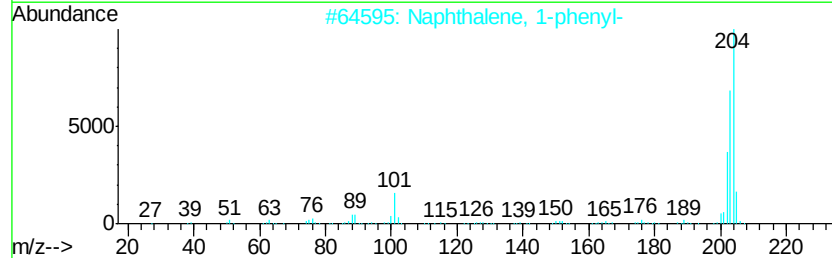
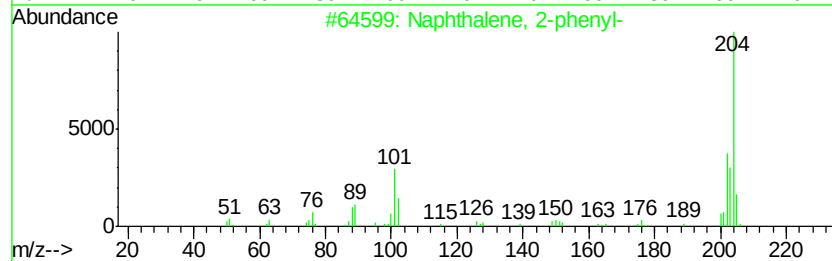
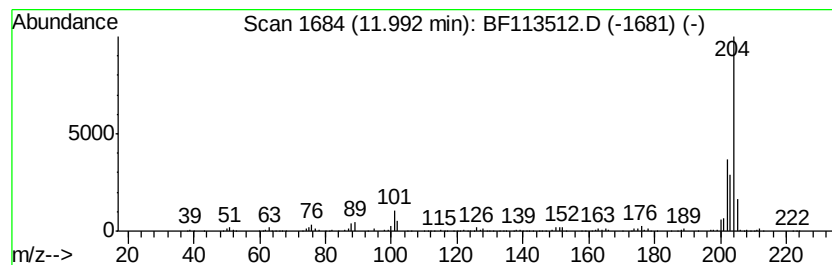
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.99	6.97 ng	392777	Phenanthrene-d10		11.20
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3	Levamisole	204	C11H12N2S	014769-73-4	52
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113512.D
Acq On : 2 Apr 2019 18:18
Operator : JU/SJ
Sample : K2190-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

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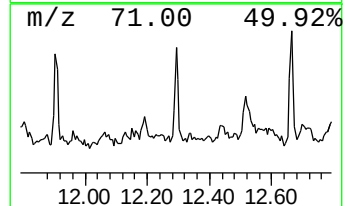
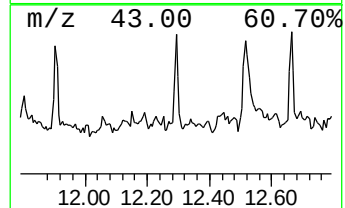
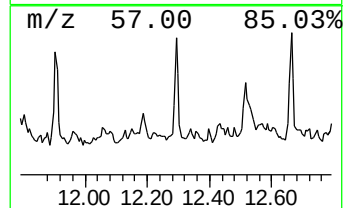
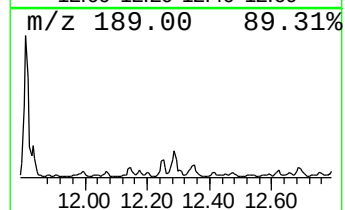
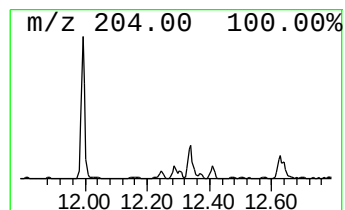
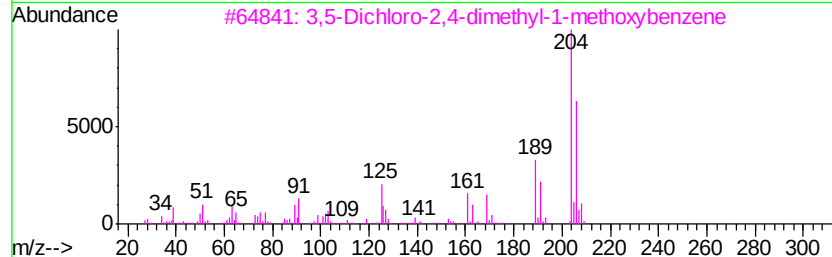
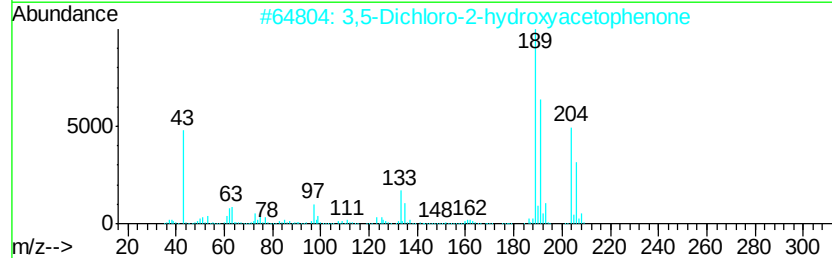
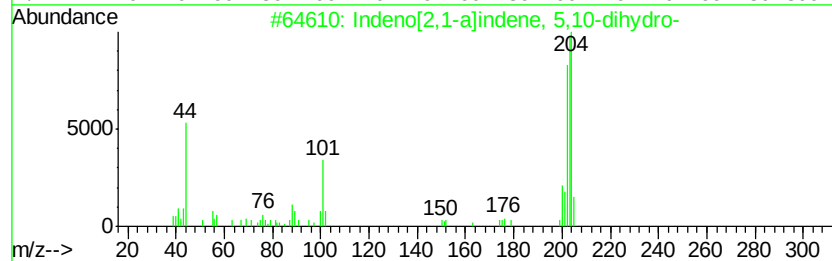
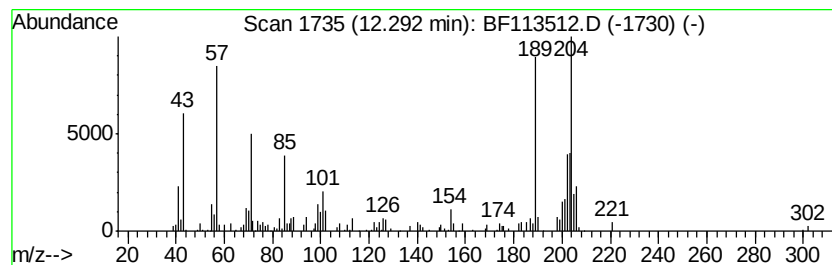
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown12.29 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.16 ng	177926	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
2		3,5-Dichloro-2-hydroxyacetophenone	204	C8H6Cl2O2	003321-92-4	43
3		3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	38
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35
5		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
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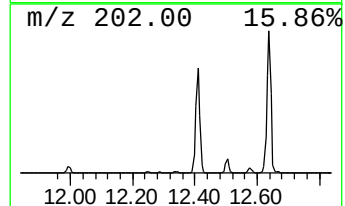
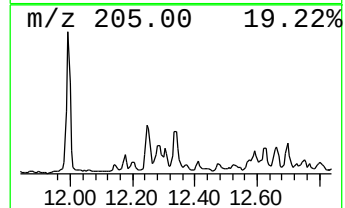
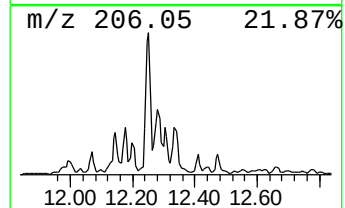
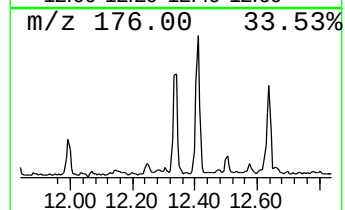
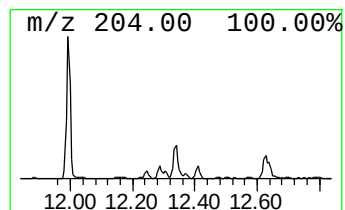
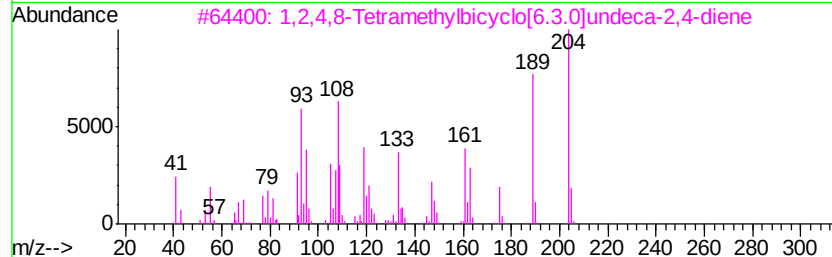
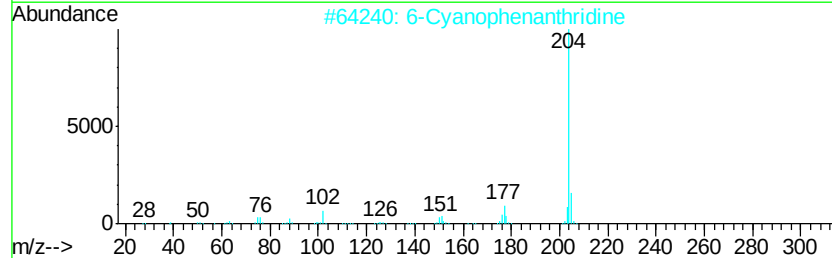
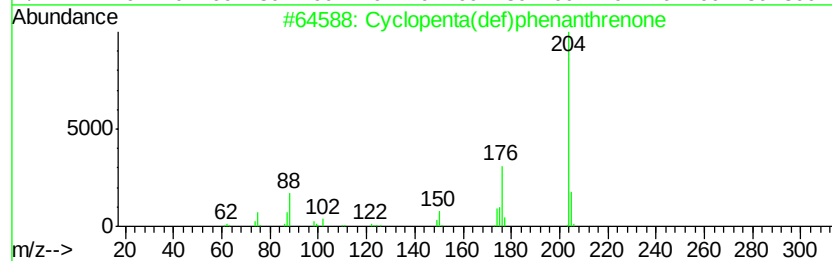
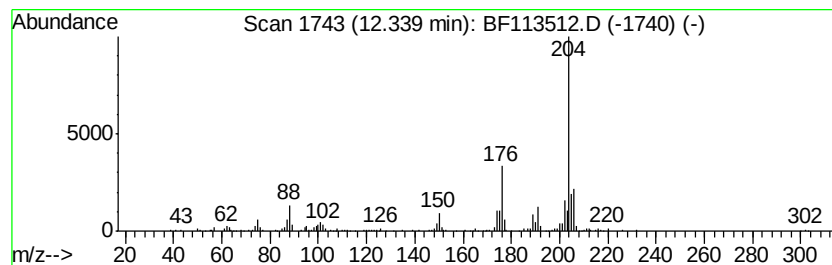
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	3.07 ng	173151	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	52
3		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
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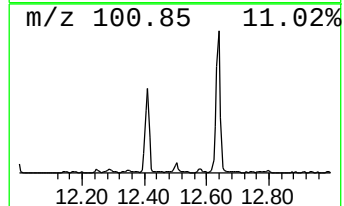
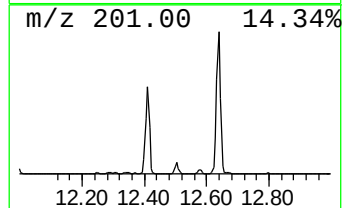
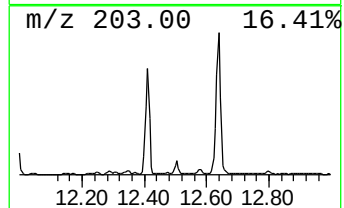
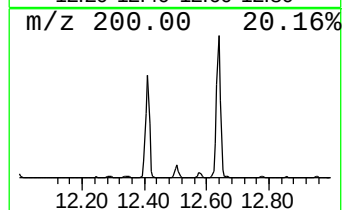
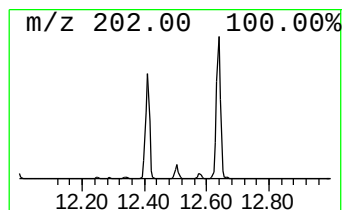
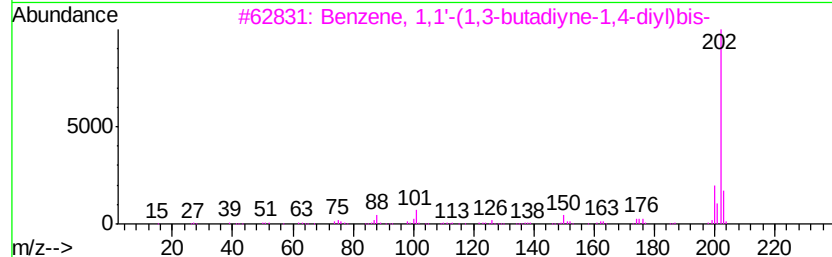
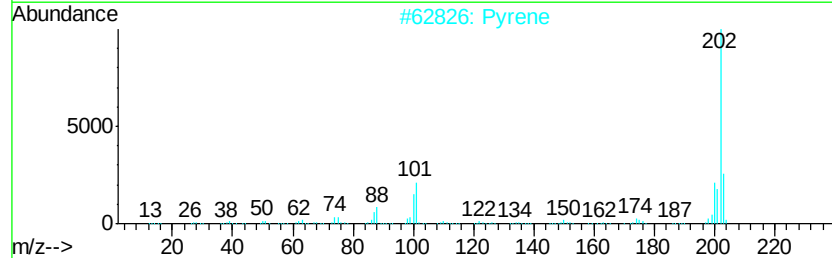
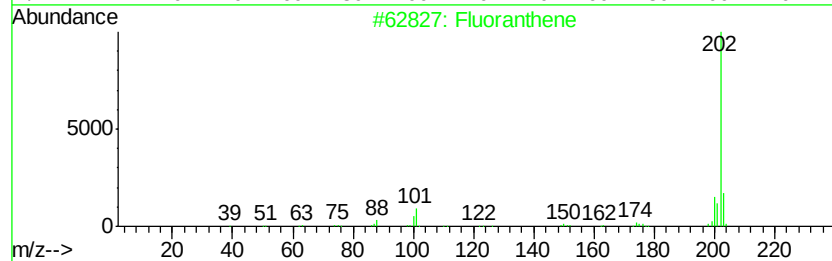
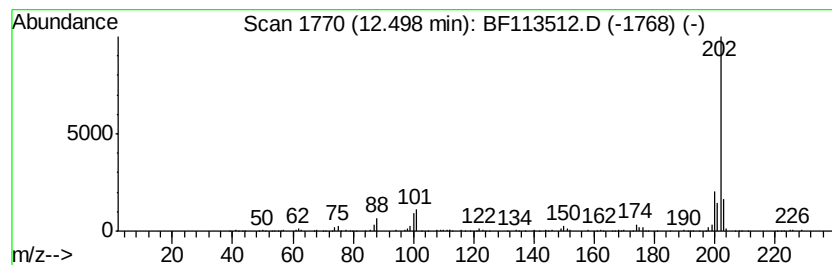
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.50	4.52 ng	254881	Phenanthrene-d10	11.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	93
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	72
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	49
5	Furan-2-one, 2,5-dihydro-5-(4-me...	202	C12H10O3	024962-84-3	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
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Acq On : 2 Apr 2019 18:18
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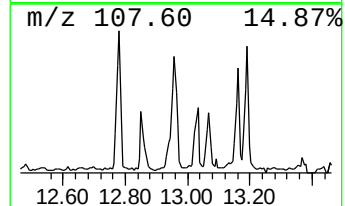
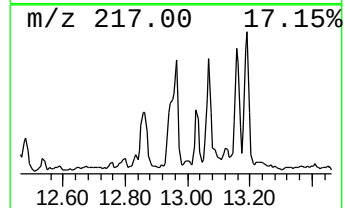
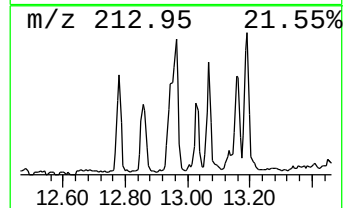
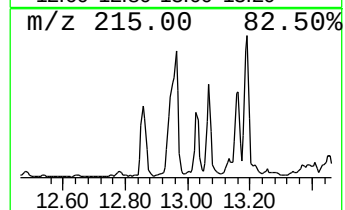
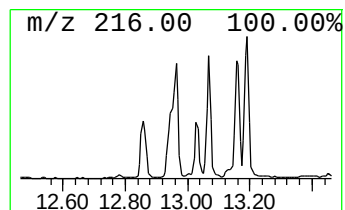
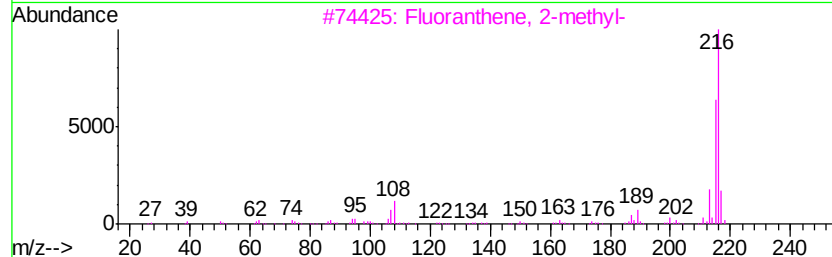
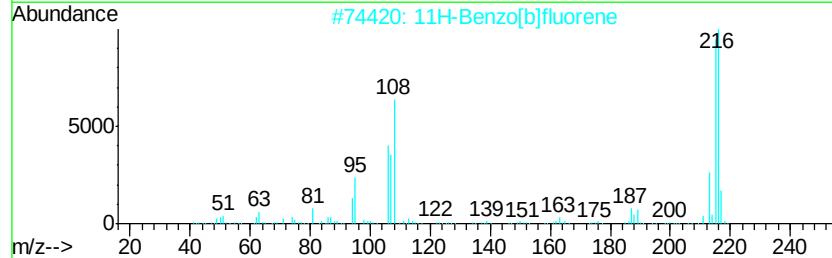
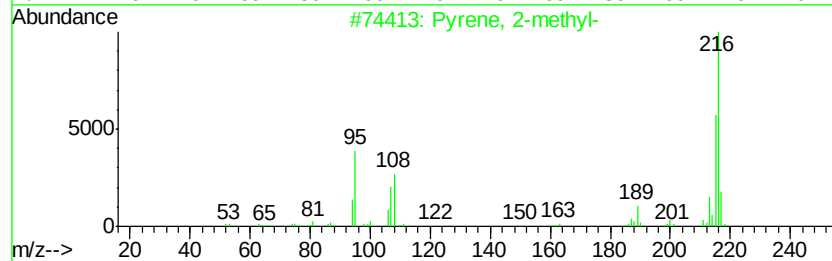
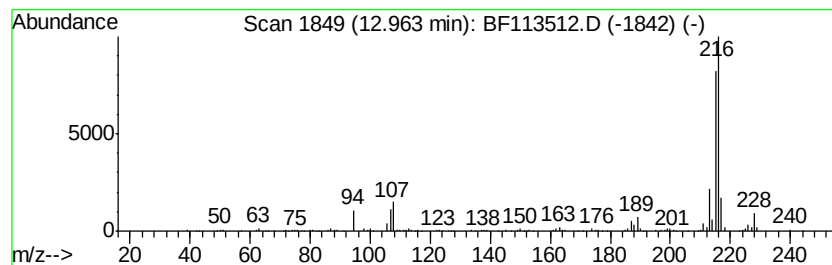
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Pyrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	4.06 ng	445677	Chrysene-d12	13.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
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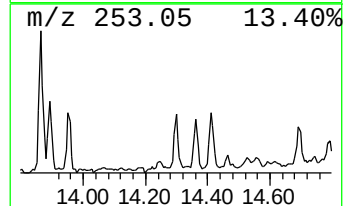
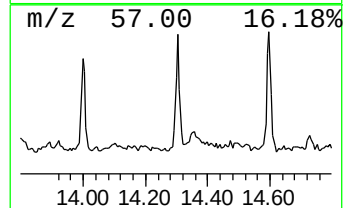
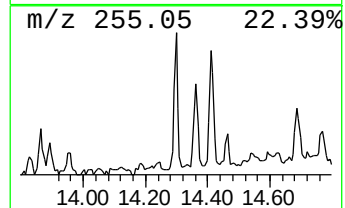
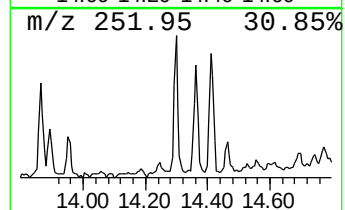
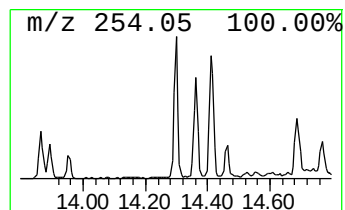
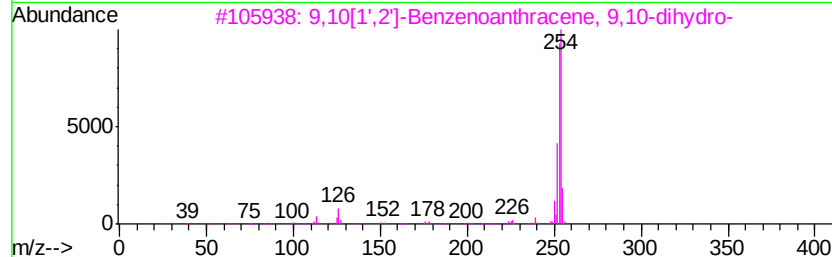
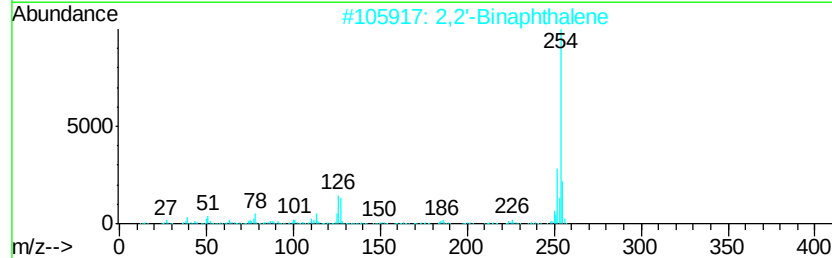
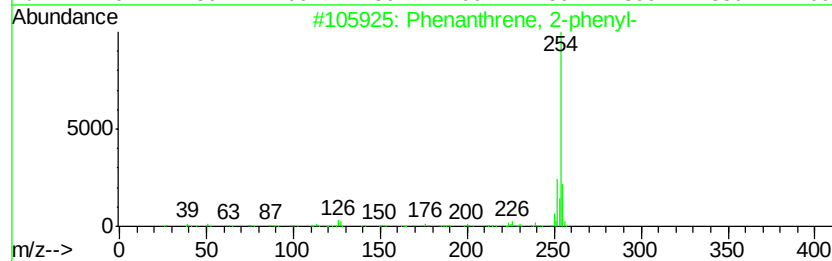
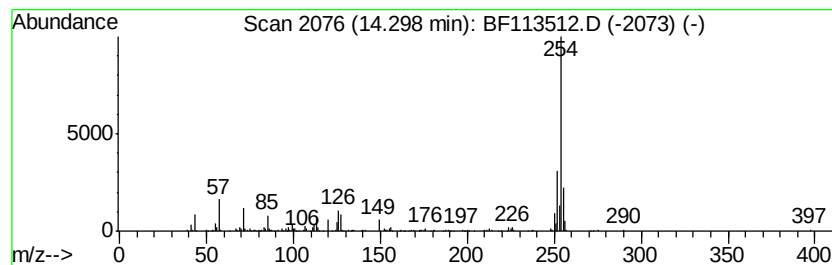
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 2,2'-Binaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	3.17 ng	348829	Chrysene-d12	13.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	81
2		2,2'-Binaphthalene	254	C20H14	000612-78-2	68
3		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58
4		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	58
5		1,1'-Binaphthalene	254	C20H14	000604-53-5	52



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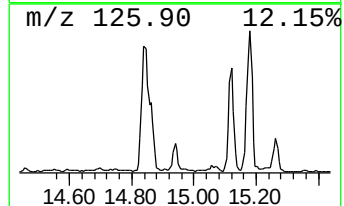
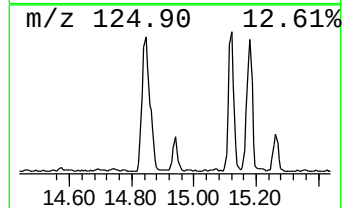
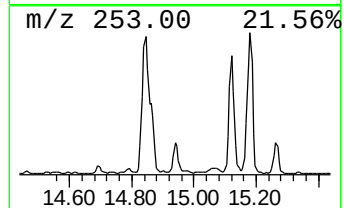
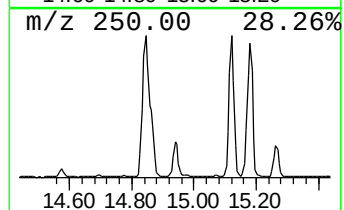
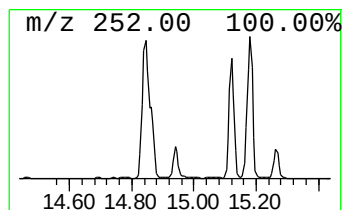
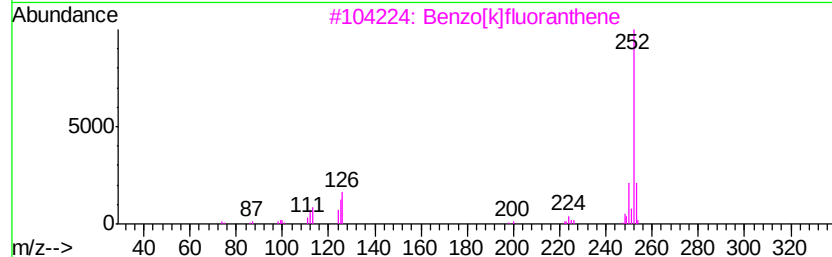
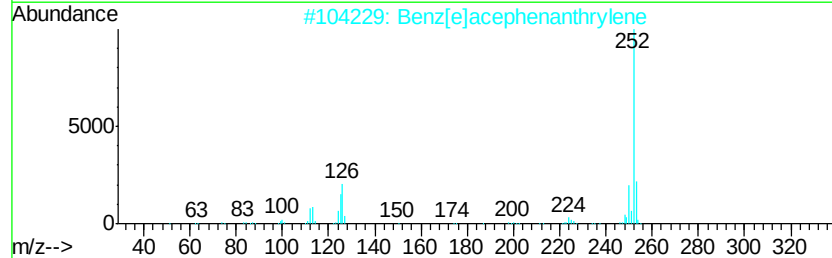
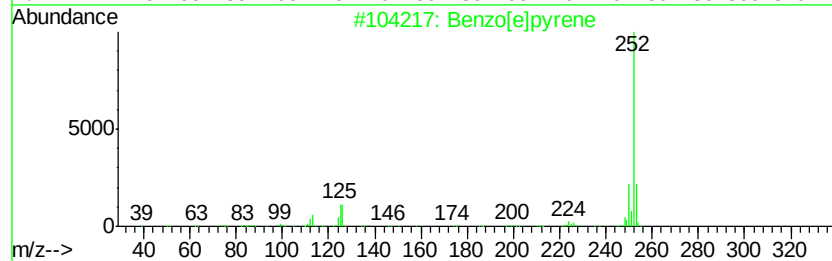
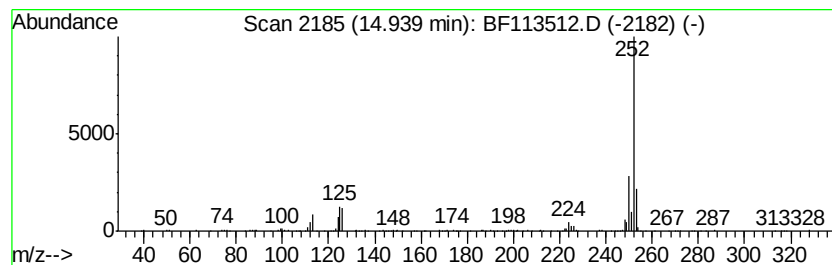
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	4.43 ng	233452	Perylene-d12	15.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Benzo[a]pyrene	252	C20H12	000050-32-8	93
5			Perylene	252	C20H12	000198-55-0	89



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Misc :
ALS Vial : 13 Sample Multiplier: 1

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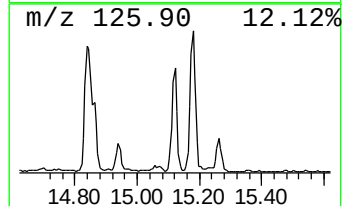
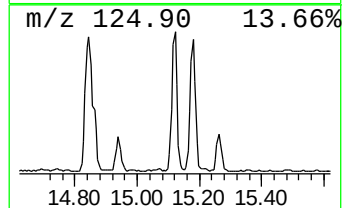
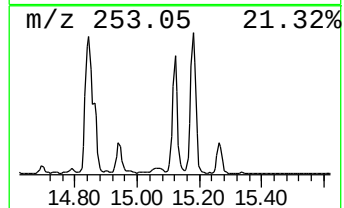
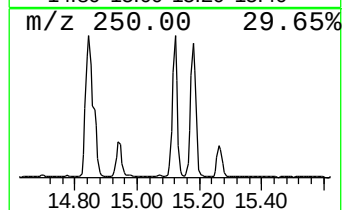
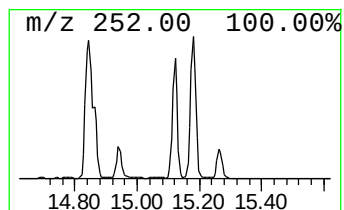
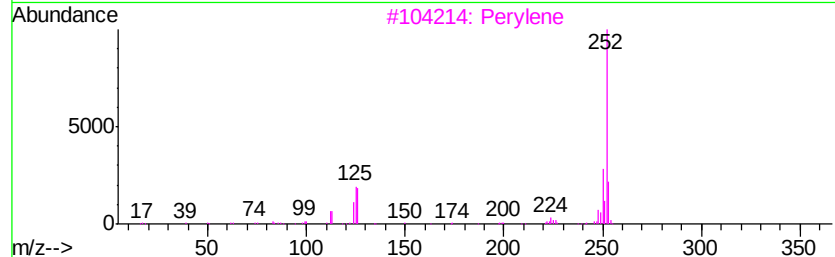
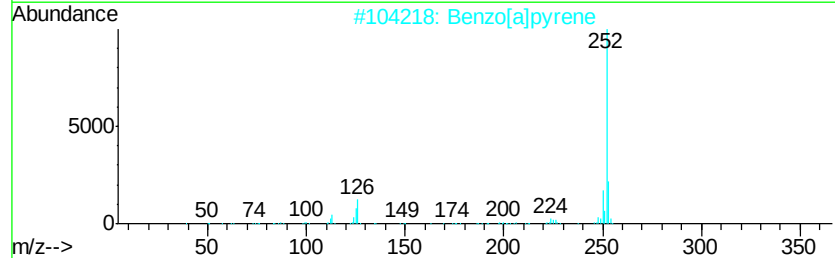
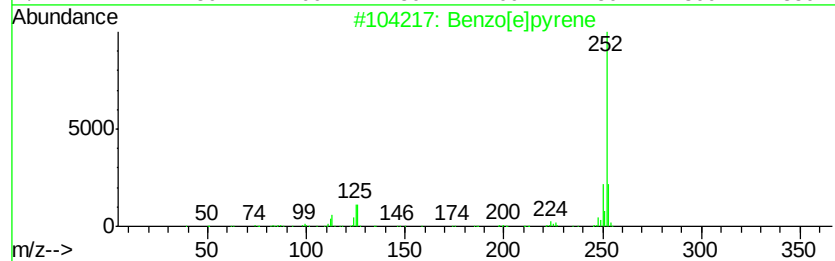
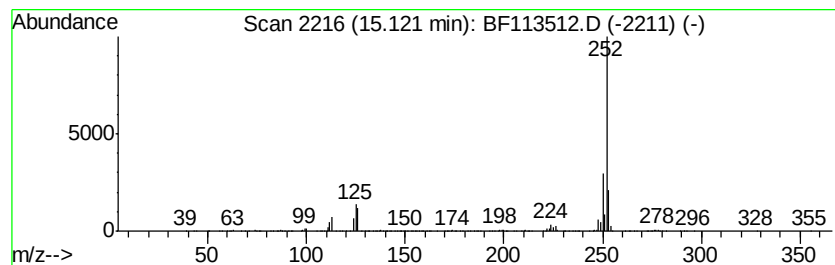
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benz[e]acephenanthrylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	19.76 ng	1040650	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[a]pyrene	252	C20H12	000050-32-8	98
3		Perylene	252	C20H12	000198-55-0	97
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113512.D
Acq On : 2 Apr 2019 18:18
Operator : JU/SJ
Sample : K2190-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VN-SP-2

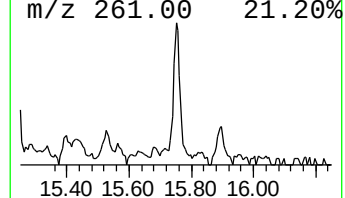
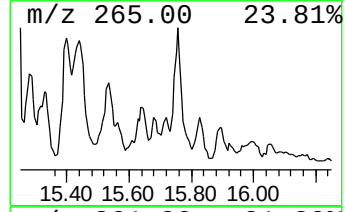
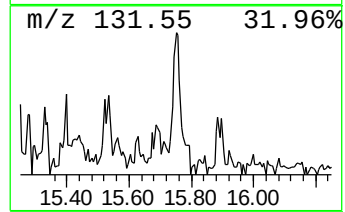
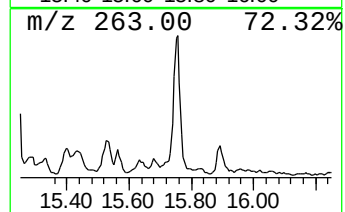
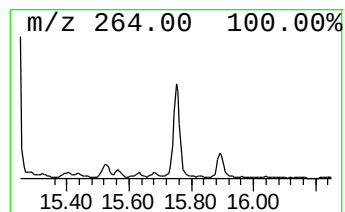
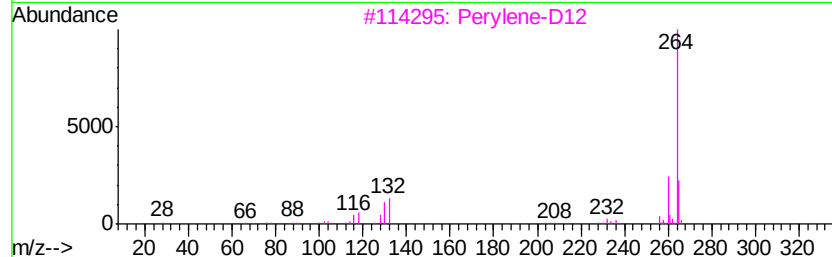
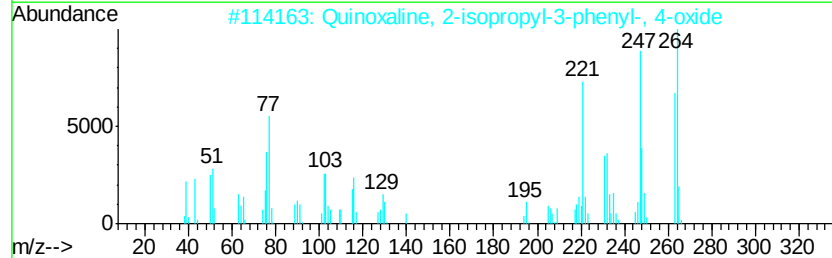
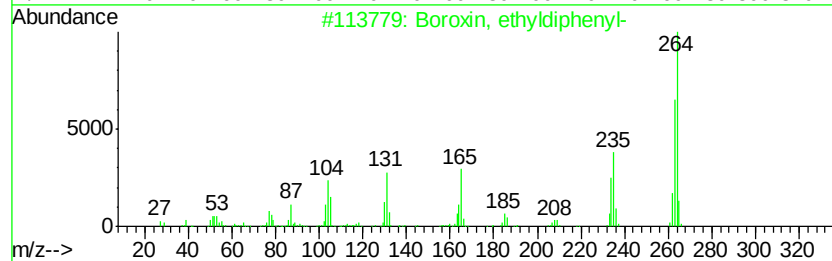
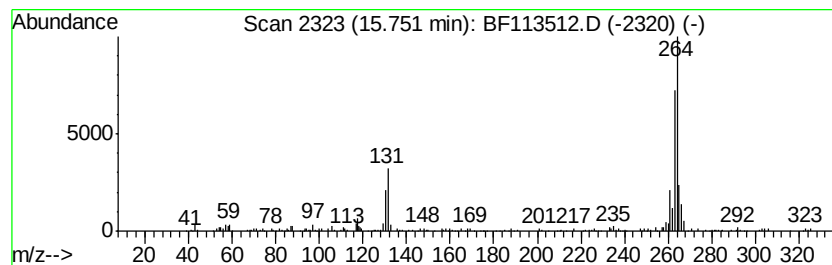
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Boroxin, ethyldiphenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	3.26 ng	171920	Perylene-d12	15.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	53
2			Quinoxaline, 2-isopropyl-3-phenyl...	264	C17H16N2O	016007-79-7	49
3			Perylene-D12	264	C20D12	001520-96-3	38
4			Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	37
5			2-[2-Quinoliny]methylenequinucl...	264	C17H16N2O	1000257-08-0	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113512.D
Acq On : 2 Apr 2019 18:18
Operator : JU/SJ
Sample : K2190-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VN-SP-2

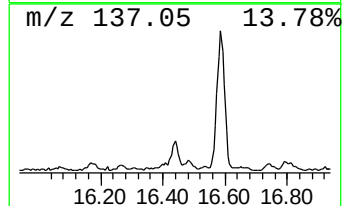
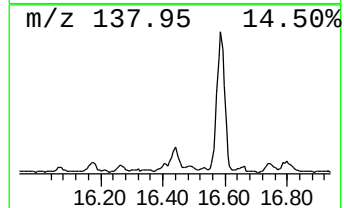
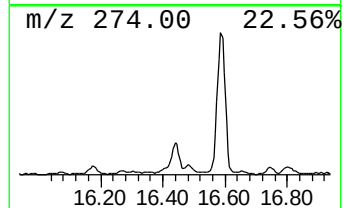
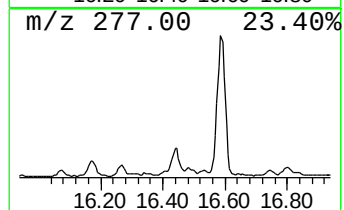
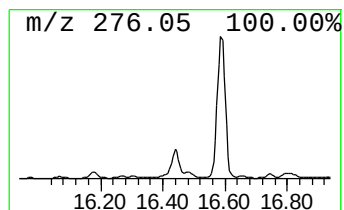
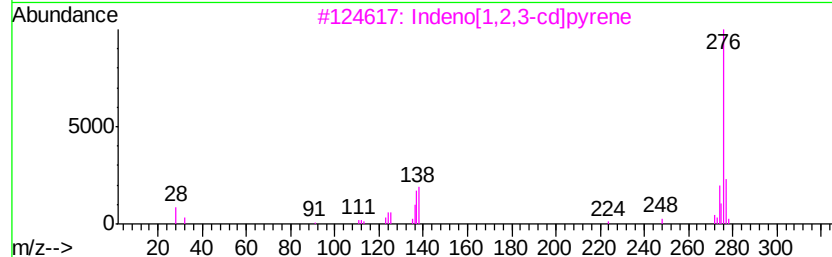
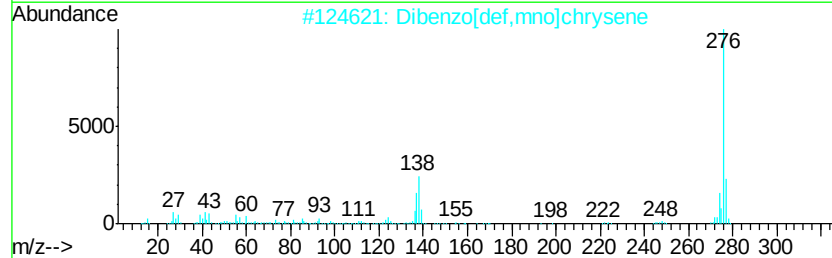
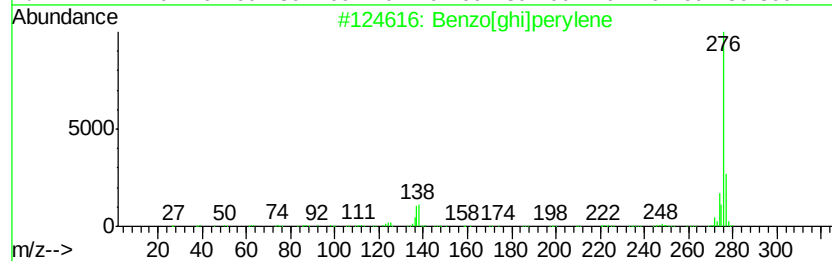
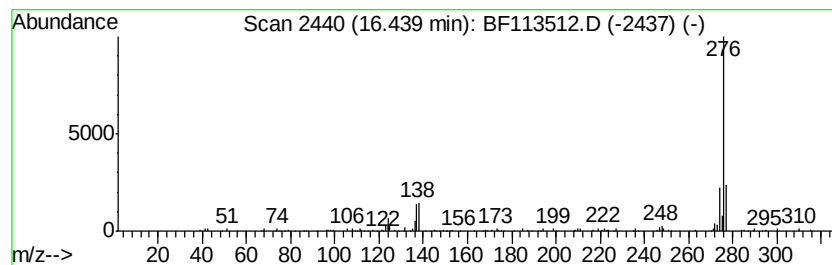
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	6.04 ng	318103	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[ghi]perylene	276	C22H12	000191-24-2	81
2		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	81
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	76
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	59
5		1H-Cyclopenta[4,5]pyrido[1,2-a]b...	276	C17H16N4	329707-31-5	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
 Data File : BF113512.D
 Acq On : 2 Apr 2019 18:18
 Operator : JU/SJ
 Sample : K2190-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VN-SP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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
Benzene, 1,3-dime...	5.52	3.5	ng	136702	1	6.69	779258	20.0
unknown6.46	6.46	61.4	ng	2393840	1	6.69	779258	20.0
Benzene, 1,2,3-tr...	6.52	3.4	ng	132931	1	6.69	779258	20.0
Naphthalene, 1-me...	8.62	3.4	ng	175949	2	7.97	1030800	20.0
Naphthalene, 1-ph...	11.49	3.6	ng	200465	4	11.20	1127750	20.0
Phenanthrene, 2-m...	11.70	2.7	ng	153572	4	11.20	1127750	20.0
Anthracene, 2-met...	11.73	8.0	ng	451117	4	11.20	1127750	20.0
4H-Cyclopenta[def...	11.81	7.5	ng	420657	4	11.20	1127750	20.0
Phenanthrene, 1-m...	11.83	3.0	ng	166493	4	11.20	1127750	20.0
Naphthalene, 2-ph...	11.99	7.0	ng	392777	4	11.20	1127750	20.0
unknown12.29	12.29	3.2	ng	177926	4	11.20	1127750	20.0
Cyclopenta(def)ph...	12.34	3.1	ng	173151	4	11.20	1127750	20.0
Benzene, 1,1'-(1,...	12.50	4.5	ng	254881	4	11.20	1127750	20.0
Pyrene, 2-methyl-	12.96	4.1	ng	445677	5	13.83	2197450	20.0
2,2'-Binaphthalene	14.30	3.2	ng	348829	5	13.83	2197450	20.0
Benzo[e]pyrene	14.94	4.4	ng	233452	6	15.24	1053410	20.0
Benz[e]acephenant...	15.12	19.8	ng	1040650	6	15.24	1053410	20.0
Boroxin, ethyldip...	15.75	3.3	ng	171920	6	15.24	1053410	20.0
Dibenzo[def,mno]c...	16.44	6.0	ng	318103	6	15.24	1053410	20.0