

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116093.D
 Acq On : 9 Aug 2019 2:58
 Operator : HP/JU
 Sample : K4178-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 370-371

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-BF073019.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	5.457	570	573	594	rBV	1129171	1264500	25.73%	1.581%
2	6.469	742	745	757	rBV	1321296	1390133	28.29%	1.738%
3	6.610	765	769	776	rBV	1558438	1453766	29.59%	1.817%
4	6.669	776	779	784	rVV	224814	260879	5.31%	0.326%
5	6.834	804	807	815	rBV	978207	907676	18.47%	1.135%
6	6.992	830	834	849	rVB	1378678	1198071	24.38%	1.498%
7	7.398	900	903	909	rBV	870966	847370	17.25%	1.059%
8	7.692	951	953	962	rVB	238299	239753	4.88%	0.300%
9	8.116	1019	1025	1028	rBV	1393365	1227001	24.97%	1.534%
10	8.334	1057	1062	1068	rBV	226283	228559	4.65%	0.286%
11	8.392	1068	1072	1079	rVB	228548	248136	5.05%	0.310%
12	9.186	1202	1207	1213	rBV	2100509	1926544	39.21%	2.408%
13	9.528	1262	1265	1268	rVV	228648	243834	4.96%	0.305%
14	9.581	1271	1274	1281	rVV4	564277	841422	17.12%	1.052%
15	9.733	1296	1300	1303	rBV	613553	603432	12.28%	0.754%
16	9.869	1317	1323	1327	rBV	1576338	1546808	31.48%	1.934%
17	10.075	1354	1358	1361	rVV2	405229	448873	9.14%	0.561%
18	10.116	1361	1365	1368	rVB	521902	471312	9.59%	0.589%
19	10.186	1373	1377	1380	rBV2	555139	667442	13.58%	0.834%
20	10.216	1380	1382	1384	rVB	318690	223071	4.54%	0.279%
21	10.281	1388	1393	1394	rBV2	390540	450596	9.17%	0.563%
22	10.298	1394	1396	1398	rVB2	307389	235826	4.80%	0.295%
23	10.469	1422	1425	1429	rBV3	142745	241333	4.91%	0.302%
24	10.528	1433	1435	1439	rVB3	260957	251579	5.12%	0.314%
25	10.663	1455	1458	1461	rVV	1038162	1063026	21.63%	1.329%
26	10.786	1474	1479	1484	rVB2	792499	919176	18.71%	1.149%
27	10.857	1488	1491	1494	rBV	353866	343511	6.99%	0.429%
28	10.969	1505	1510	1512	rVV3	321487	484029	9.85%	0.605%
29	10.998	1512	1515	1517	rVV	358390	401257	8.17%	0.502%
30	11.022	1517	1519	1522	rVV3	194426	294643	6.00%	0.368%
31	11.098	1526	1532	1534	rBV3	253140	451547	9.19%	0.564%
32	11.116	1534	1535	1540	rVV3	287464	335849	6.83%	0.420%
33	11.169	1540	1544	1546	rVV4	271824	344274	7.01%	0.430%
34	11.216	1548	1552	1555	rVV3	247735	397690	8.09%	0.497%

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35	11.251	1555	1558	1564	rVB3	392751	494453	10.06%	0.618%
36	11.357	1573	1576	1578	rBV	1335911	1216041	24.75%	1.520%
37	11.380	1578	1580	1587	rVB	1612682	1469520	29.91%	1.837%
38	11.433	1587	1589	1592	rBV	582609	446142	9.08%	0.558%
39	11.469	1592	1595	1598	rBV3	285729	376315	7.66%	0.470%
40	11.598	1613	1617	1622	rBV6	204526	485375	9.88%	0.607%
41	11.645	1623	1625	1628	rVV3	374918	387255	7.88%	0.484%
42	11.692	1628	1633	1638	rVV2	521529	685063	13.94%	0.856%
43	11.775	1644	1647	1650	rVB	310300	339496	6.91%	0.424%
44	11.863	1658	1662	1664	rBV	1434574	1317761	26.82%	1.647%
45	11.892	1664	1667	1671	rVB	1903634	1647459	33.53%	2.059%
46	11.939	1672	1675	1677	rBV	496276	505272	10.28%	0.632%
47	11.975	1677	1681	1683	rVV	1598543	1768739	36.00%	2.211%
48	11.998	1683	1685	1689	rVB	1131969	891754	18.15%	1.115%
49	12.092	1699	1701	1704	rBV	360702	307771	6.26%	0.385%
50	12.151	1708	1711	1714	rBV2	648863	724272	14.74%	0.905%
51	12.186	1716	1717	1722	rVB2	471167	461846	9.40%	0.577%
52	12.304	1732	1737	1740	rBV2	720198	938480	19.10%	1.173%
53	12.339	1740	1743	1745	rVV	942804	807586	16.44%	1.009%
54	12.363	1745	1747	1750	rVB	710055	542808	11.05%	0.679%
55	12.416	1752	1756	1758	rBV	1914396	1996065	40.62%	2.495%
56	12.451	1758	1762	1764	rVV3	920177	1301085	26.48%	1.626%
57	12.504	1768	1771	1775	rBV3	693727	991704	20.18%	1.240%
58	12.580	1780	1784	1787	rBV	2354764	2287648	46.56%	2.860%
59	12.616	1787	1790	1792	rBV2	369495	318242	6.48%	0.398%
60	12.639	1792	1794	1797	rVB	400817	317936	6.47%	0.397%
61	12.733	1806	1810	1812	rBV4	240183	298459	6.07%	0.373%
62	12.757	1812	1814	1817	rVB2	340452	262487	5.34%	0.328%
63	12.816	1818	1824	1828	rBV	3629369	4913681	100.00%	6.142%
64	12.863	1828	1832	1835	rVB2	974159	1019367	20.75%	1.274%
65	12.916	1835	1841	1842	rBV2	369812	598548	12.18%	0.748%
66	12.939	1842	1845	1848	rBV	1659314	1248119	25.40%	1.560%
67	12.963	1848	1849	1855	rVB2	438325	391206	7.96%	0.489%
68	13.022	1855	1859	1866	rBV4	794082	1415403	28.81%	1.769%
69	13.080	1866	1869	1871	rBV	320443	312458	6.36%	0.391%
70	13.116	1871	1875	1876	rBV2	653064	785490	15.99%	0.982%
71	13.239	1893	1896	1900	rVB	1431474	1363947	27.76%	1.705%

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72	13.333	1908	1912	1914	rVV	1332208	1205193	24.53%	1.507%
73	13.363	1914	1917	1920	rVV	1289865	1145482	23.31%	1.432%
74	13.392	1920	1922	1926	rVB4	315400	320029	6.51%	0.400%
75	13.445	1929	1931	1934	rVB	247017	230303	4.69%	0.288%
76	13.645	1962	1965	1969	rVB	653596	683231	13.90%	0.854%
77	13.704	1972	1975	1978	rVB	435866	351233	7.15%	0.439%
78	13.757	1978	1984	1986	rBV3	641433	1172222	23.86%	1.465%
79	13.810	1990	1993	1996	rBV2	323382	512845	10.44%	0.641%
80	13.857	1999	2001	2004	rVB	463086	400710	8.15%	0.501%
81	13.998	2021	2025	2029	rBV2	1922308	2996378	60.98%	3.746%
82	14.033	2029	2031	2034	rVV	1699829	1345252	27.38%	1.682%
83	14.086	2038	2040	2043	rBV	347421	384470	7.82%	0.481%
84	14.321	2078	2080	2083	rVB2	228776	205477	4.18%	0.257%
85	14.351	2083	2085	2087	rBV	322197	299050	6.09%	0.374%
86	14.392	2087	2092	2095	rVV	1103553	1180765	24.03%	1.476%
87	14.427	2095	2098	2100	rVB	476379	417577	8.50%	0.522%
88	14.463	2101	2104	2107	rBV3	256281	321028	6.53%	0.401%
89	14.516	2111	2113	2115	rBV	442809	386117	7.86%	0.483%
90	14.580	2122	2124	2128	rVB2	308399	320599	6.52%	0.401%
91	14.721	2145	2148	2150	rBV	230208	274311	5.58%	0.343%
92	14.886	2173	2176	2179	rBV2	251325	251328	5.11%	0.314%
93	15.051	2200	2204	2210	rBV2	856975	1406882	28.63%	1.759%
94	15.157	2219	2222	2226	rVB	192894	223505	4.55%	0.279%
95	15.351	2251	2255	2260	rVB	917587	1109702	22.58%	1.387%
96	15.415	2261	2266	2270	rVV	1194134	1564935	31.85%	1.956%
97	15.474	2272	2276	2279	rVV	681642	894031	18.19%	1.118%
98	15.504	2279	2281	2288	rVB2	250311	406865	8.28%	0.509%
99	16.945	2521	2526	2534	rVB	421584	812176	16.53%	1.015%
100	17.392	2596	2602	2611	rVB	526870	1089444	22.17%	1.362%

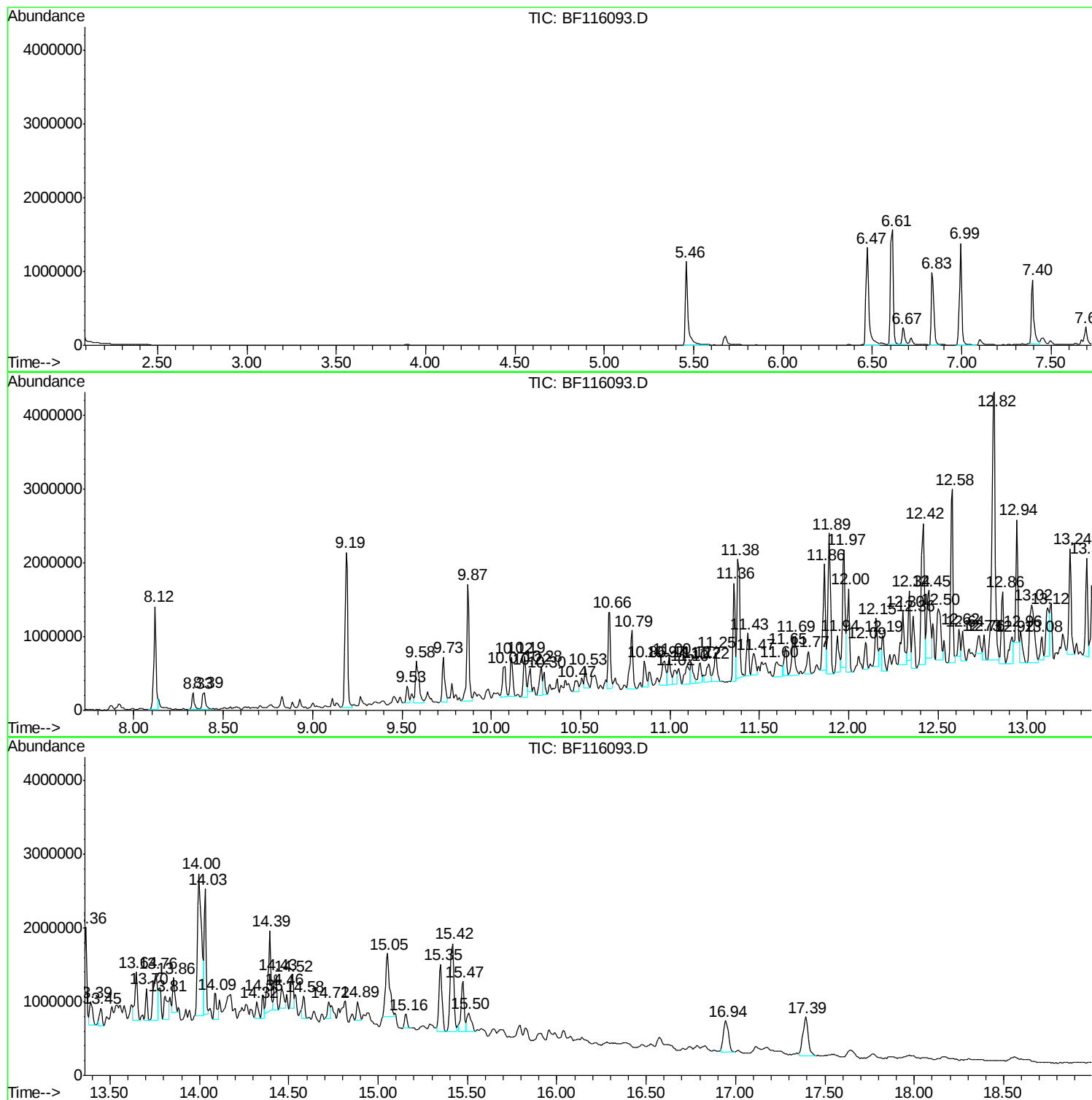
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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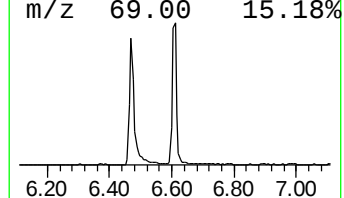
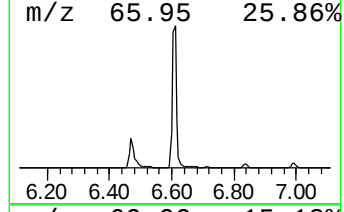
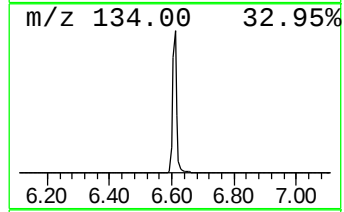
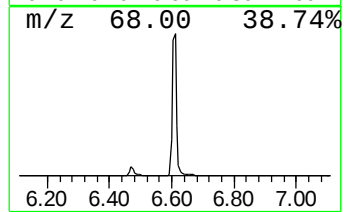
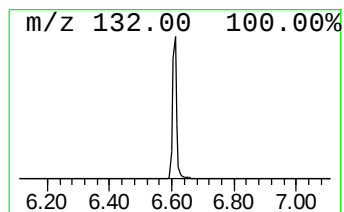
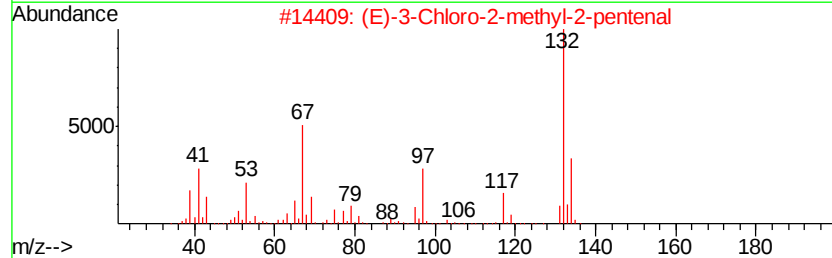
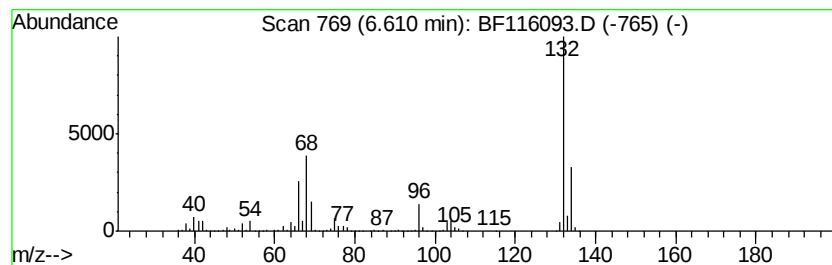
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 1 unknown6.61 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	32.03 ng	1453770	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	12
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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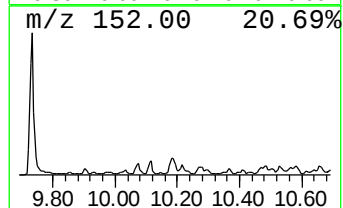
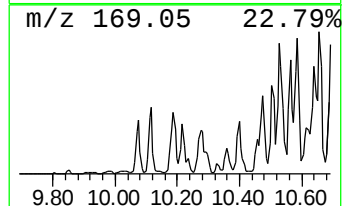
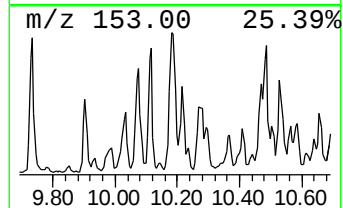
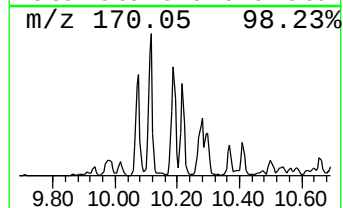
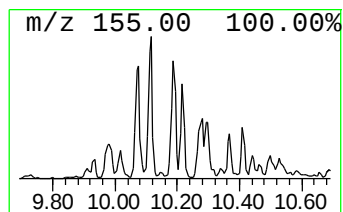
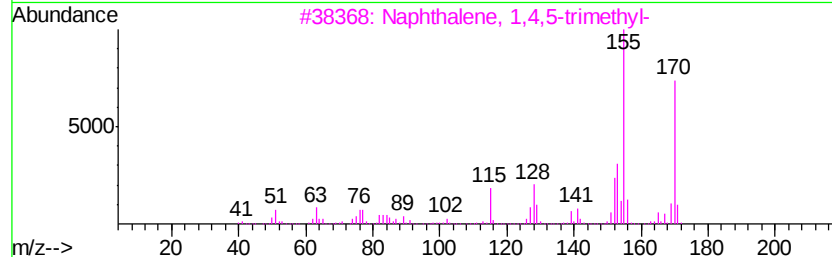
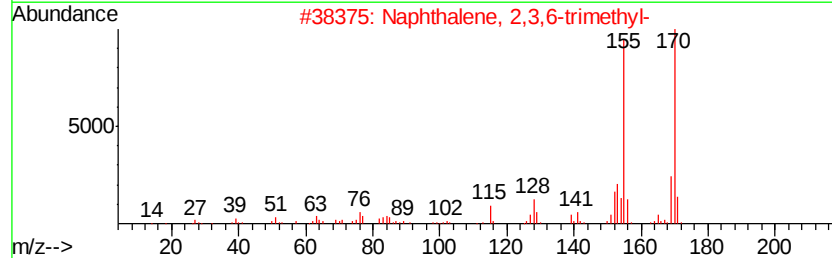
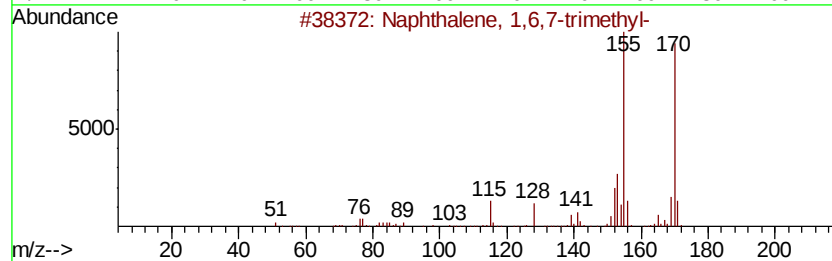
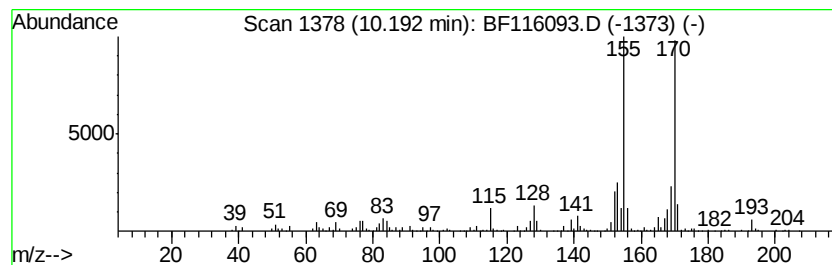
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Peak Number 3 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.19	8.63 ng	667442	Acenaphthene-d10	9.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90



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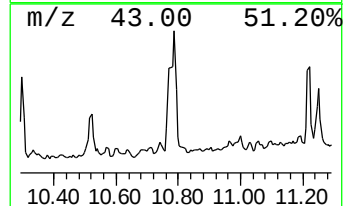
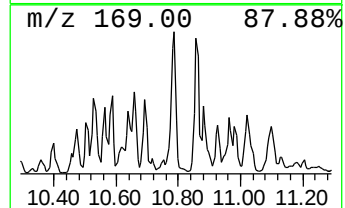
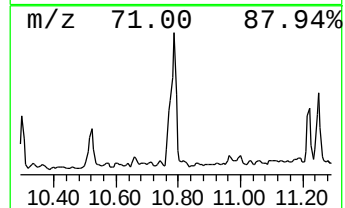
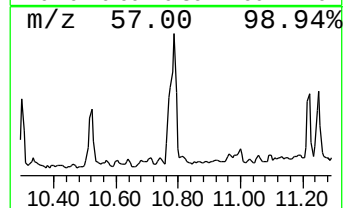
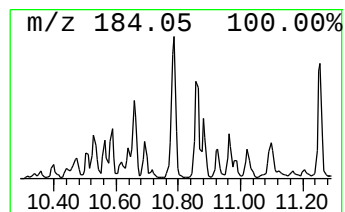
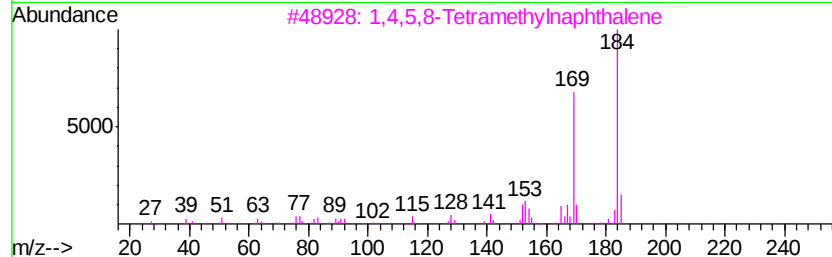
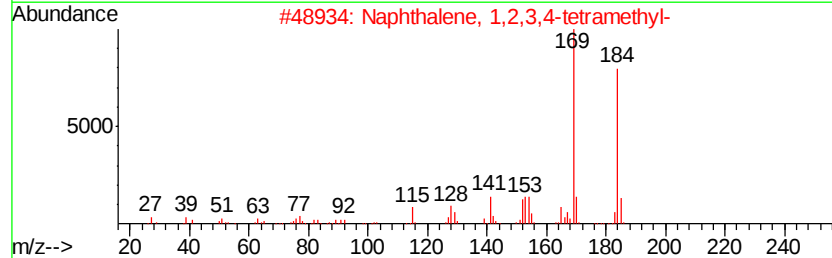
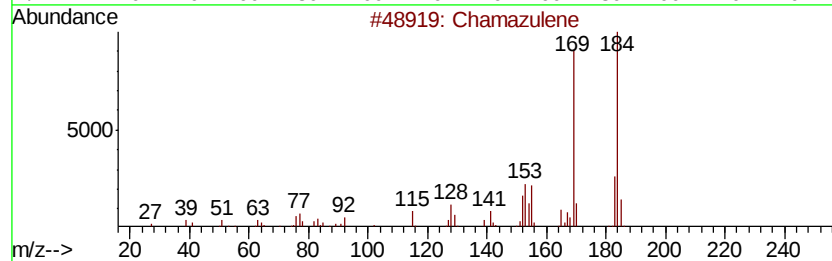
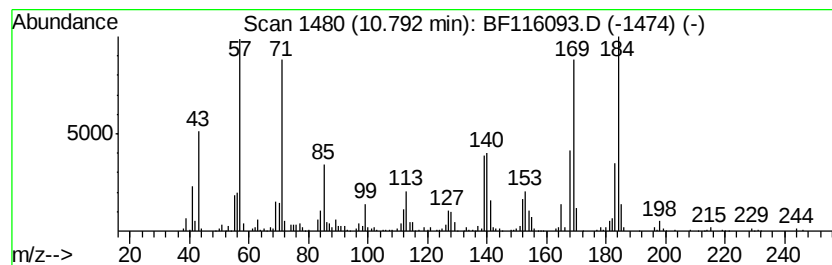
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Peak Number 4 Chamazulene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	15.12 ng	919176	Phenanthrene-d10	11.36
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Chamazulene	184 C14H16	000529-05-5	93
2	Naphthalene, 1,2,3,4-tetramethyl-	184 C14H16	003031-15-0	83
3	1,4,5,8-Tetramethylnaphthalene	184 C14H16	002717-39-7	64
4	Cyclopentene, 1,2-dimethyl-4-met...	184 C14H16	1000152-22-4	64
5	3,4,4-Trimethyl-5-methylene-2-et...	184 C9H16N2S	037120-36-8	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116093.D
Acq On : 9 Aug 2019 2:58
Operator : HP/JU
Sample : K4178-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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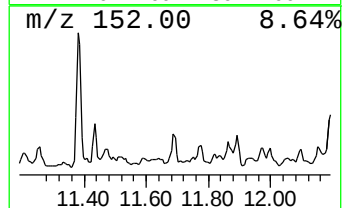
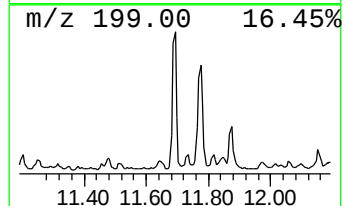
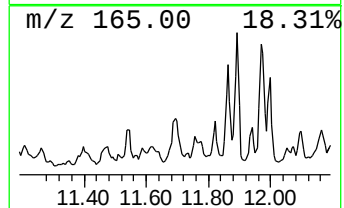
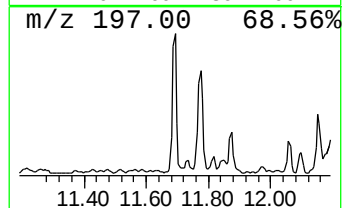
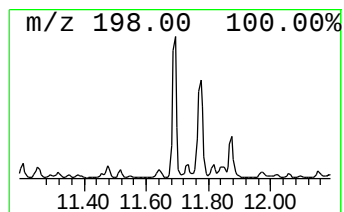
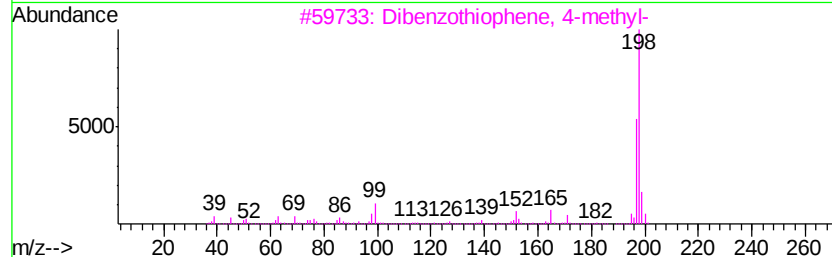
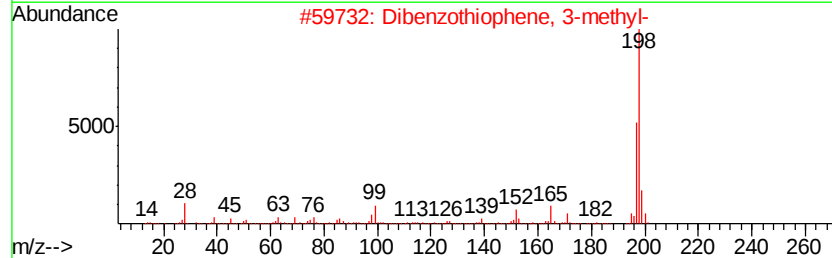
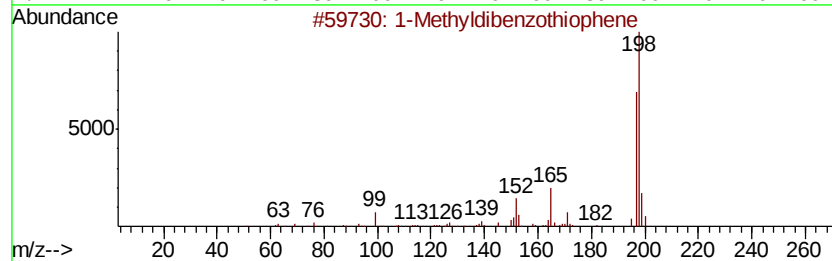
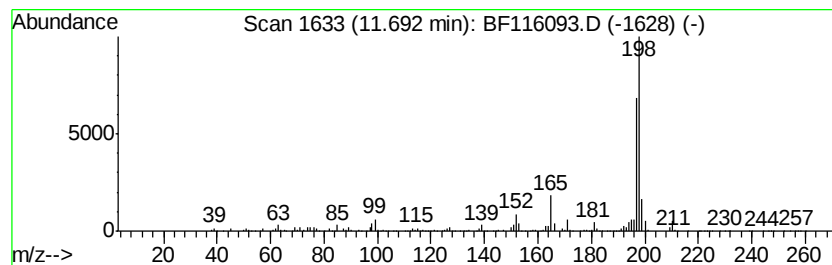
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1-Methyldibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	11.27 ng	685063	Phenanthrene-d10	11.36

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
2		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
3		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
4		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
5		Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116093.D
Acq On : 9 Aug 2019 2:58
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Sample : K4178-01 2X
Misc :
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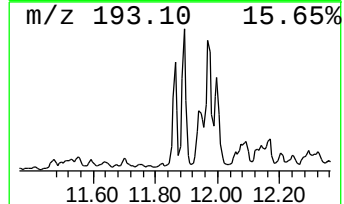
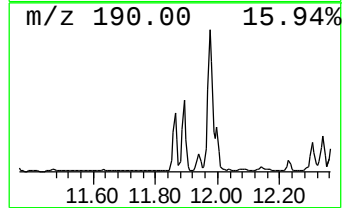
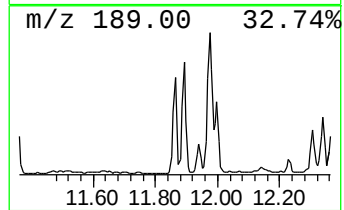
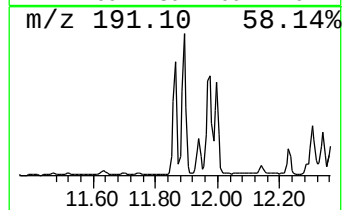
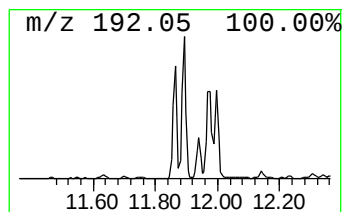
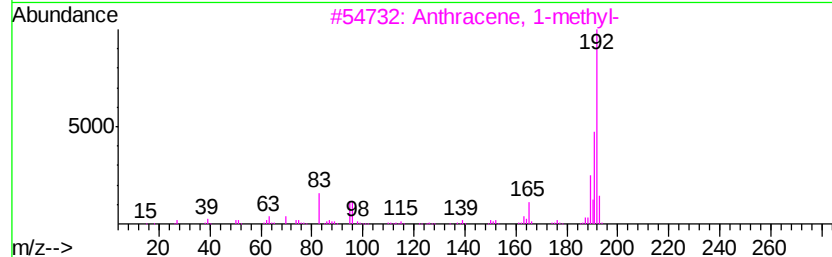
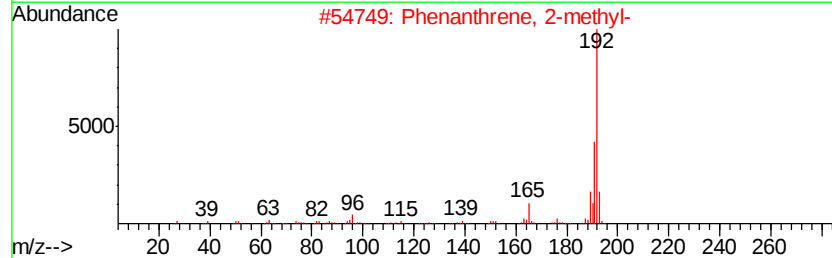
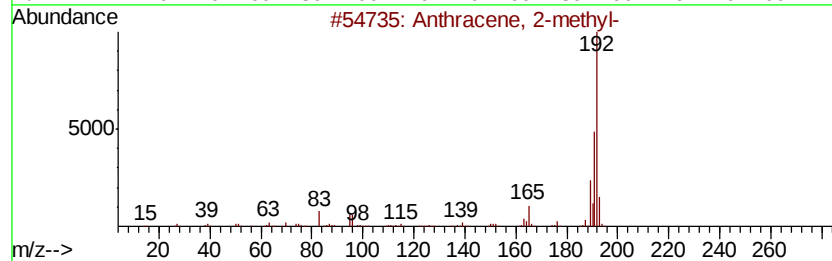
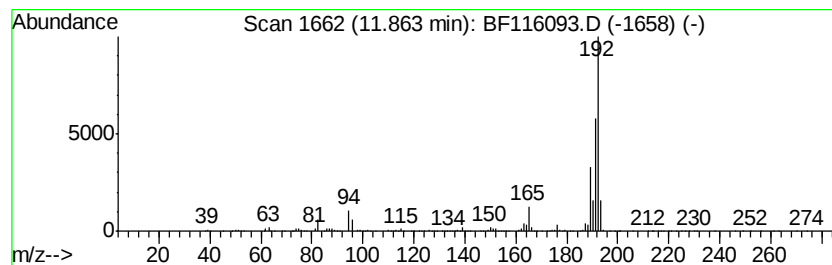
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	21.67 ng	1317760	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116093.D
Acq On : 9 Aug 2019 2:58
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Sample : K4178-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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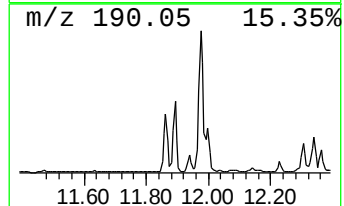
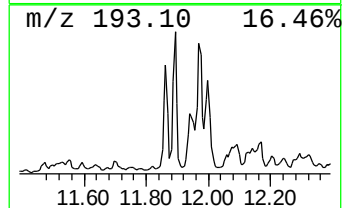
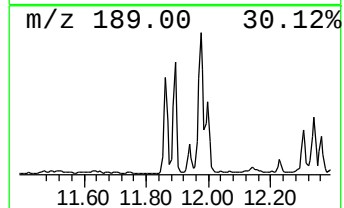
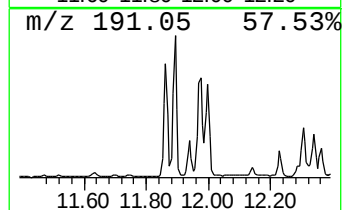
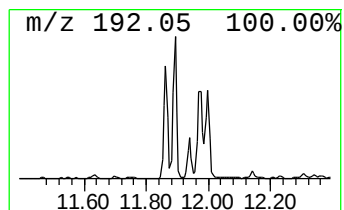
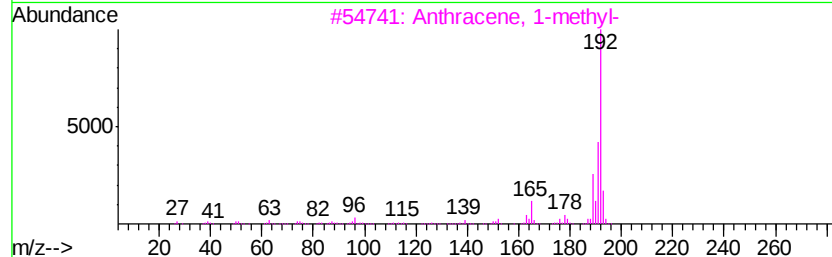
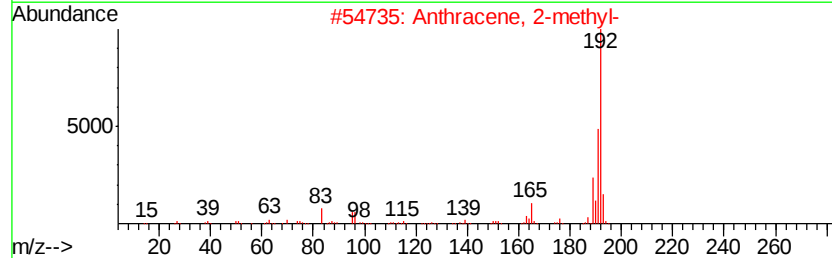
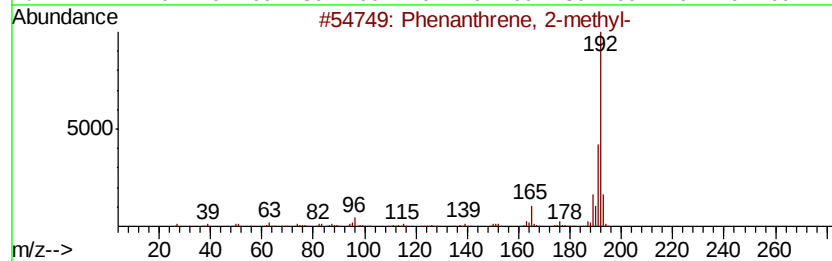
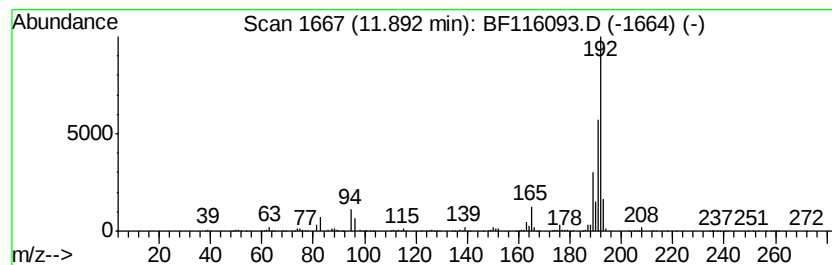
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	27.10 ng	1647460	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116093.D
Acq On : 9 Aug 2019 2:58
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Sample : K4178-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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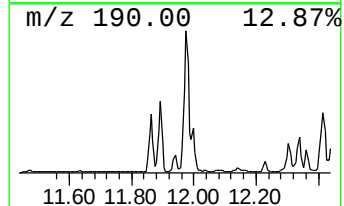
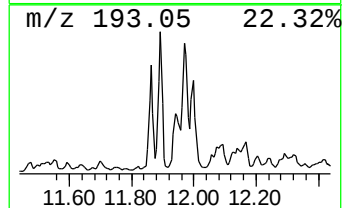
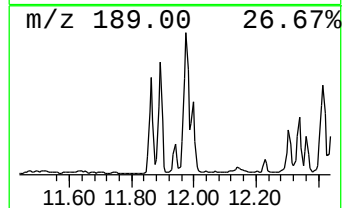
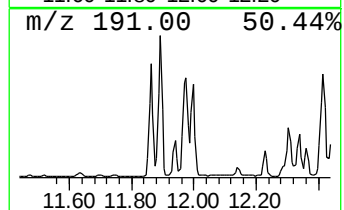
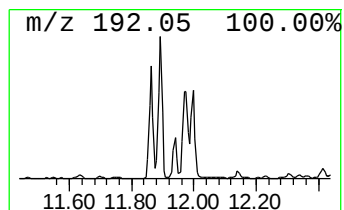
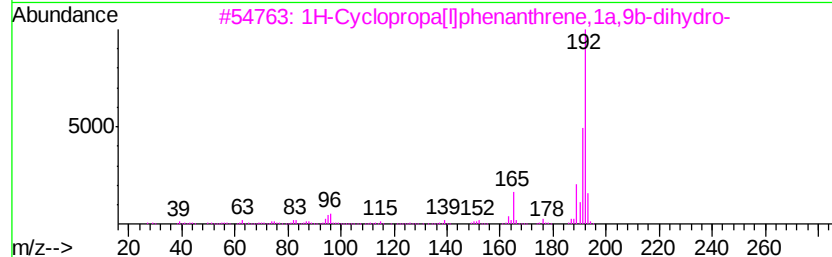
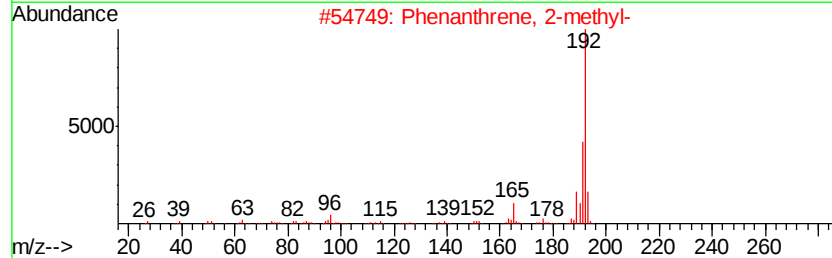
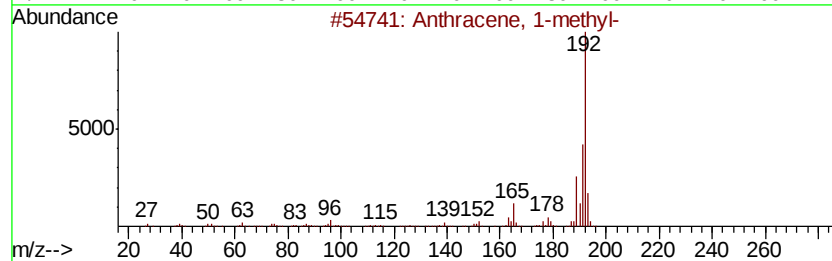
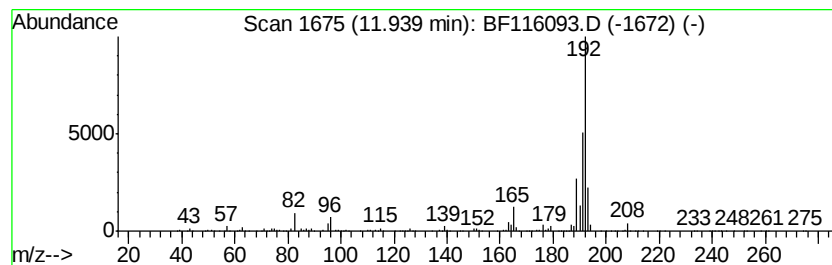
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	8.31 ng	505272	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116093.D
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Sample : K4178-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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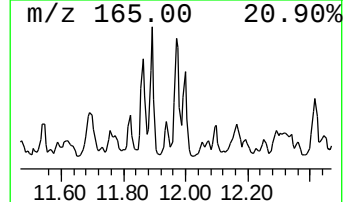
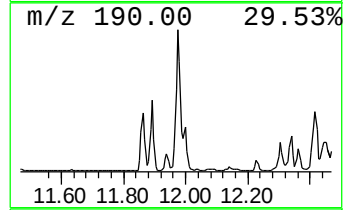
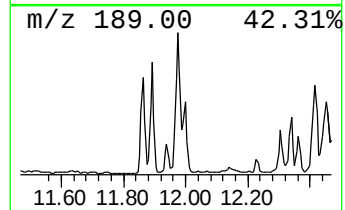
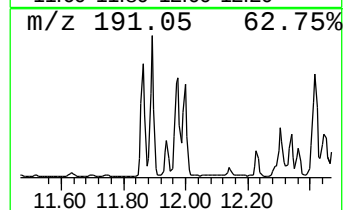
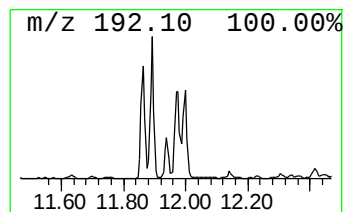
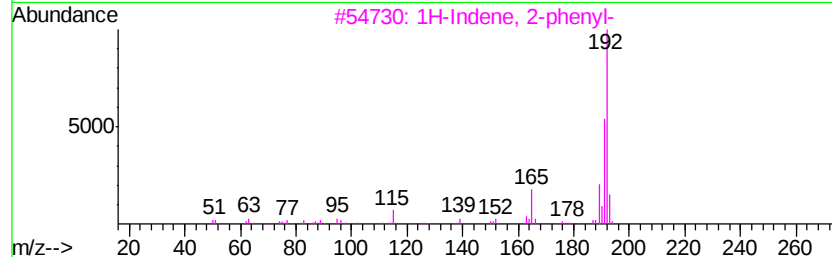
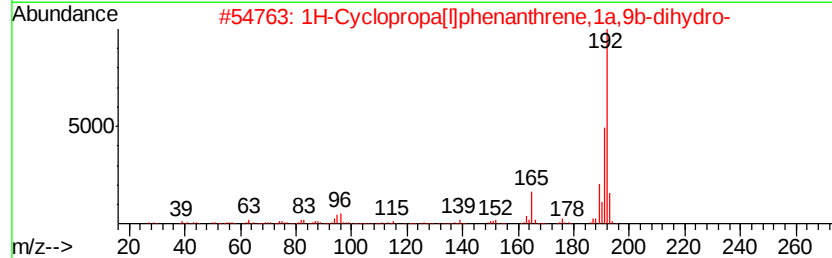
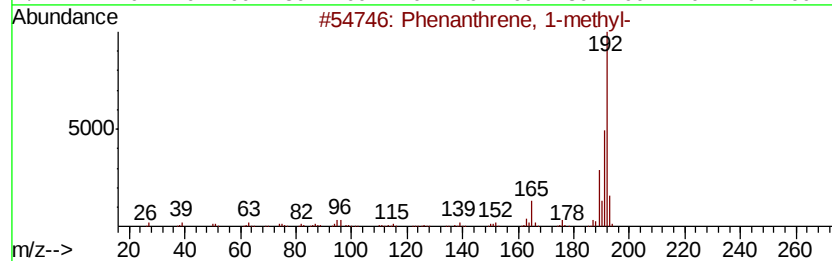
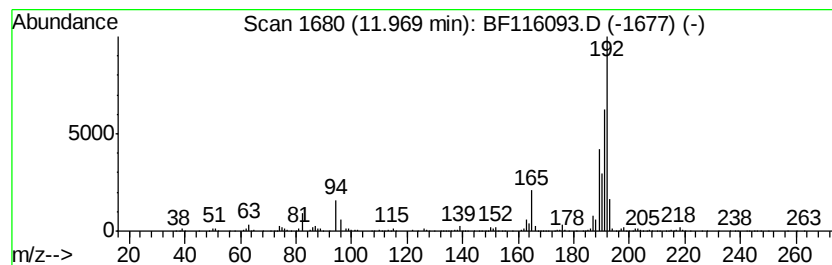
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	29.09 ng	1768740	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	60
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	55
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116093.D
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Misc :
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ClientSampleId :
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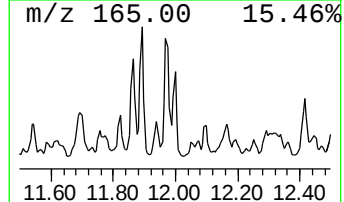
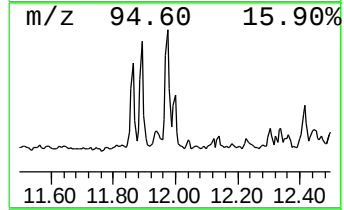
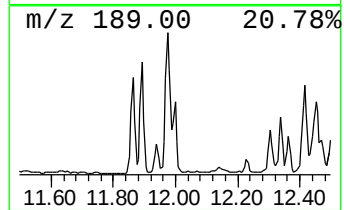
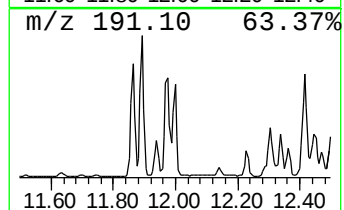
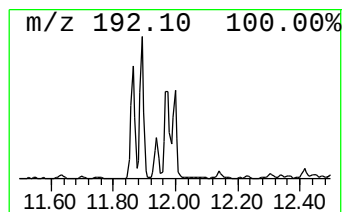
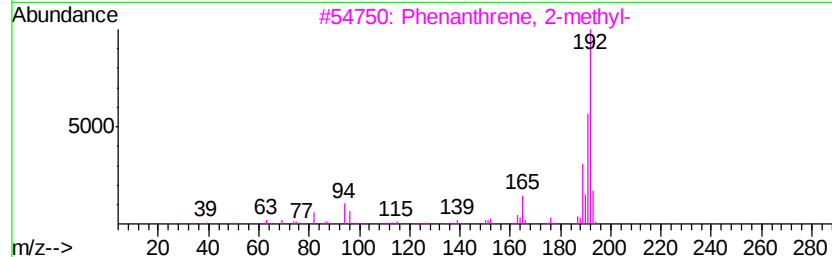
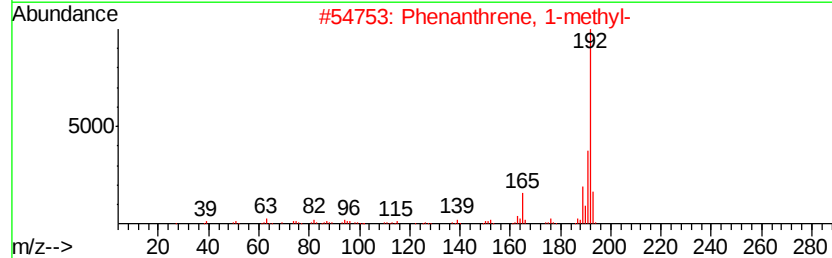
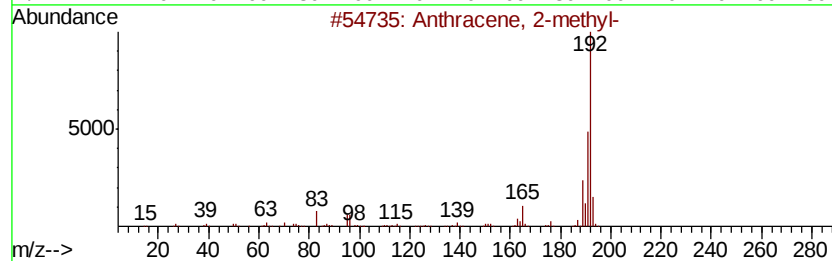
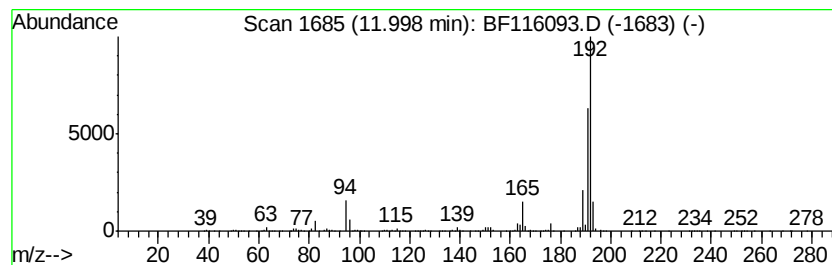
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	14.67 ng	891754	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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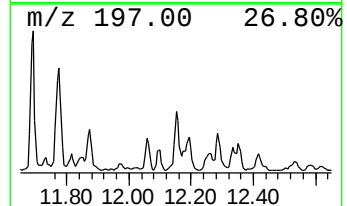
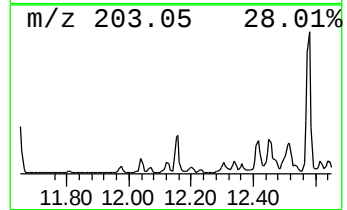
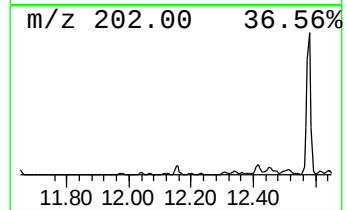
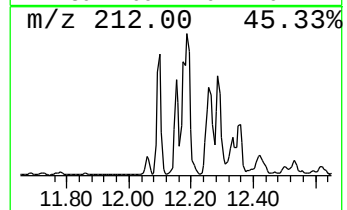
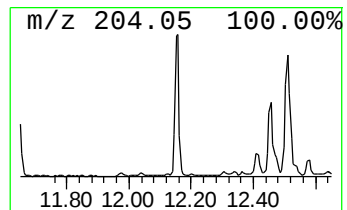
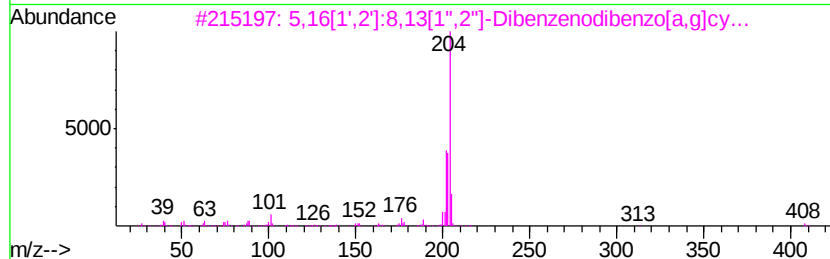
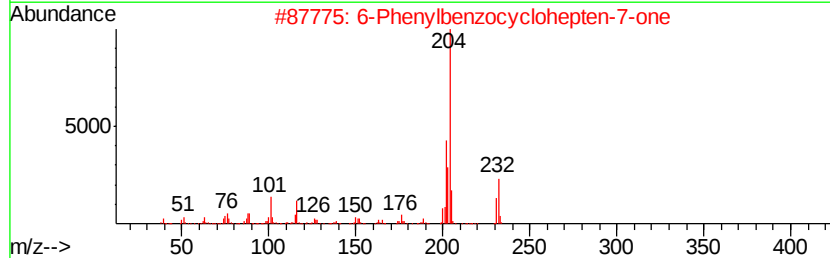
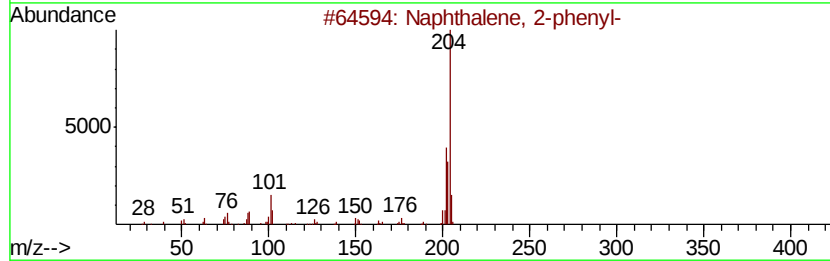
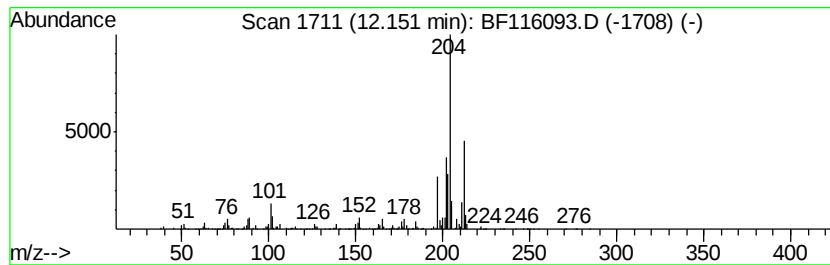
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	11.91 ng	724272	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	49
3		5,16[1',2':8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
4		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	41
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116093.D
Acq On : 9 Aug 2019 2:58
Operator : HP/JU
Sample : K4178-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
370-371

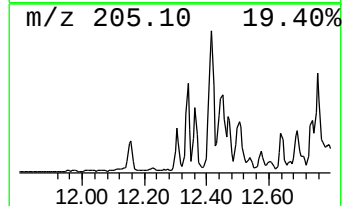
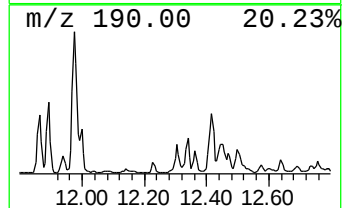
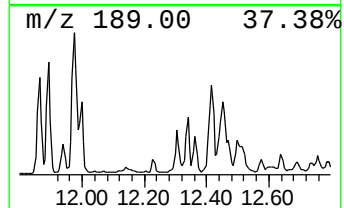
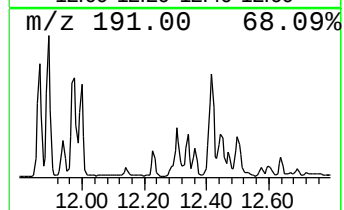
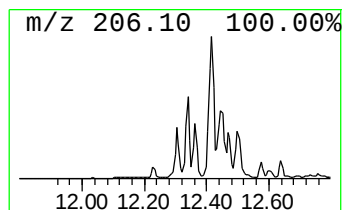
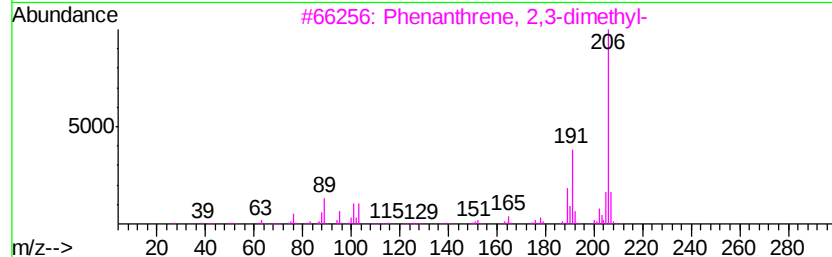
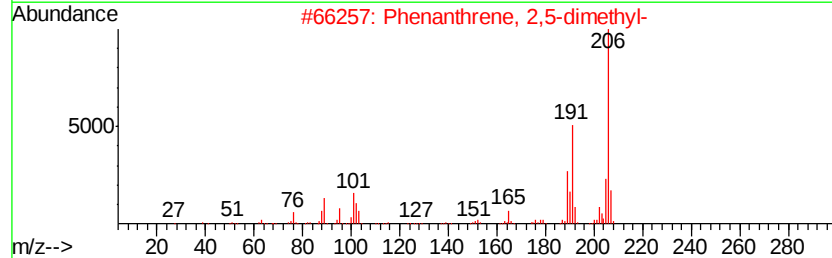
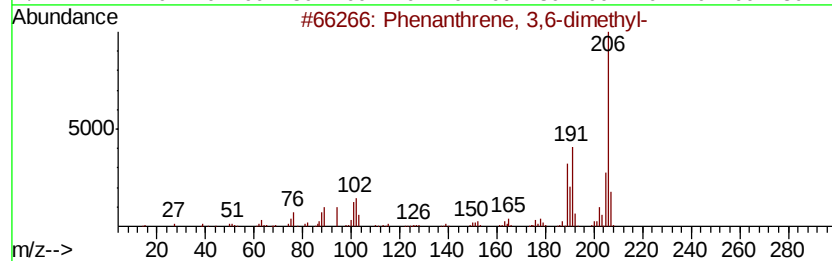
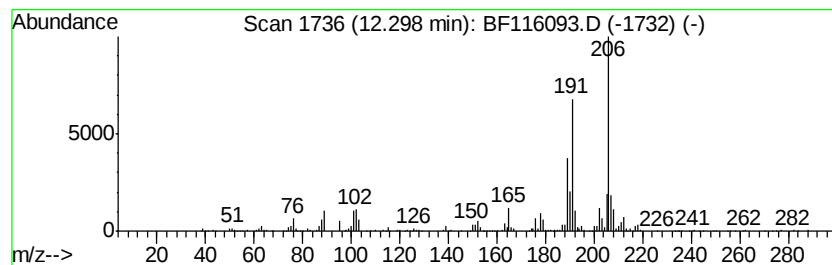
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	15.44 ng	938480	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
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Sample : K4178-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

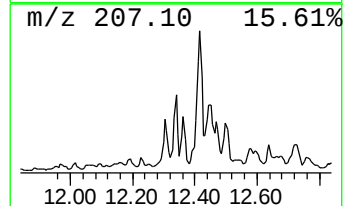
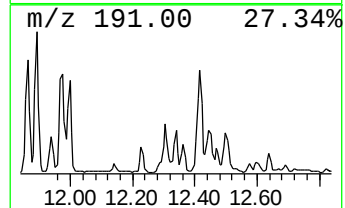
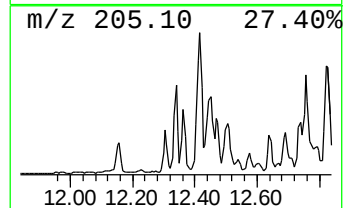
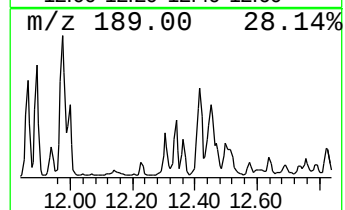
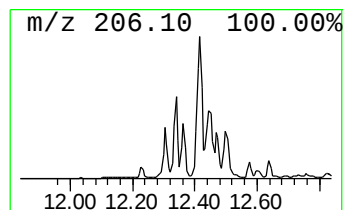
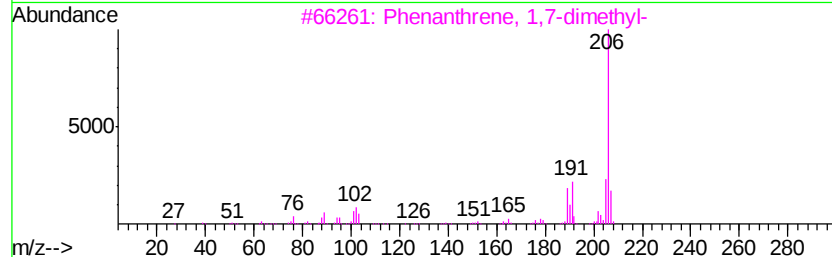
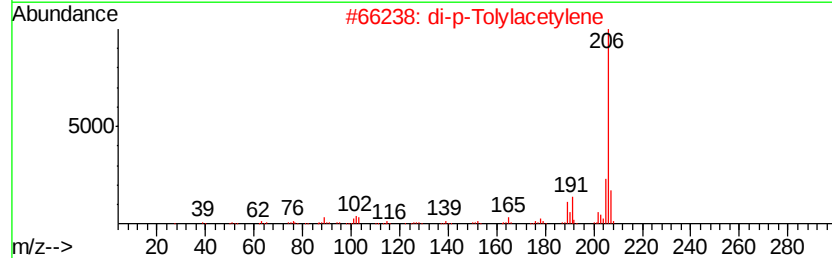
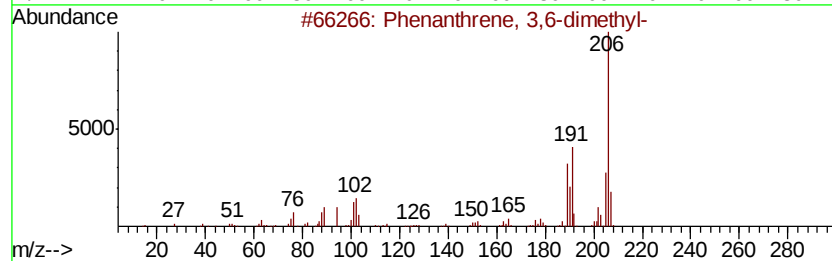
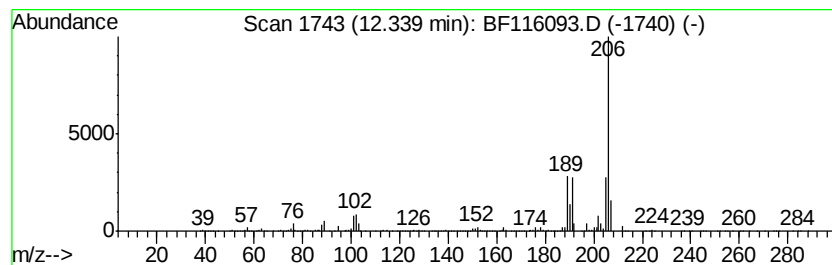
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 di-p-Tolylacetylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.34	13.28 ng	807586	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116093.D
Acq On : 9 Aug 2019 2:58
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Sample : K4178-01 2X
Misc :
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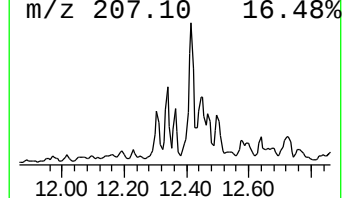
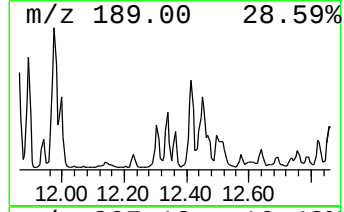
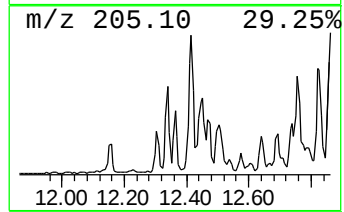
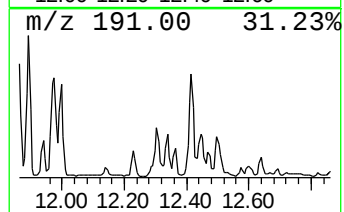
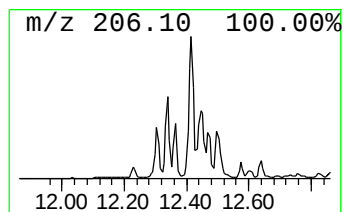
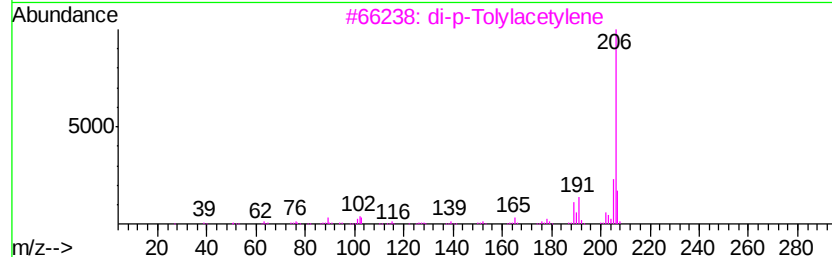
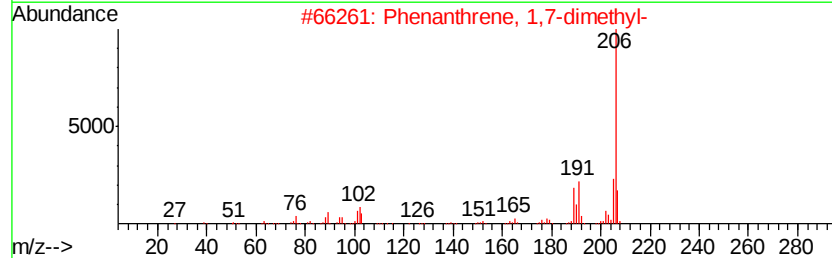
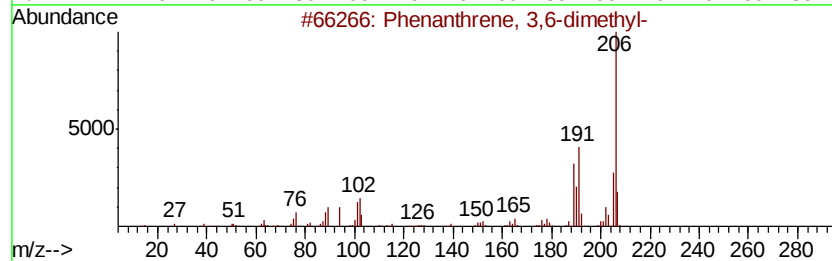
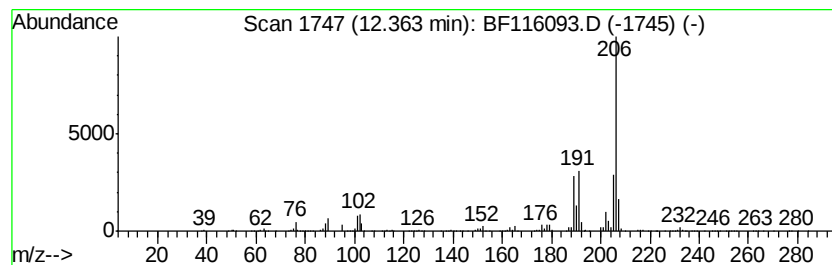
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	8.93 ng	542808	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
3		di-p-Tolylacetvlene	206	C16H14	002789-88-0	94
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
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Sample : K4178-01 2X
Misc :
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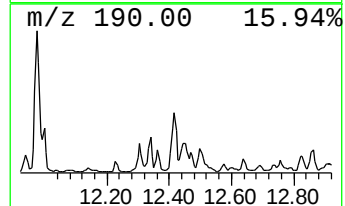
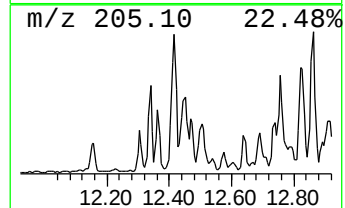
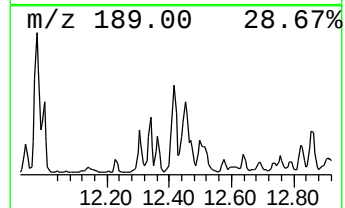
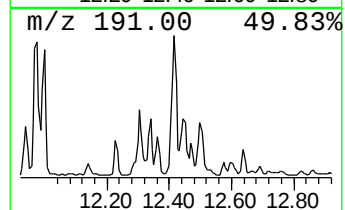
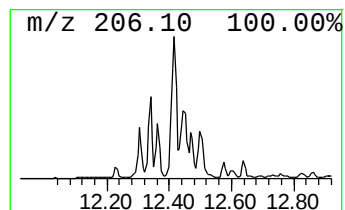
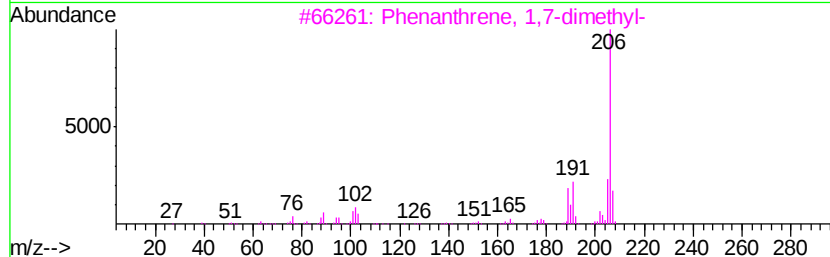
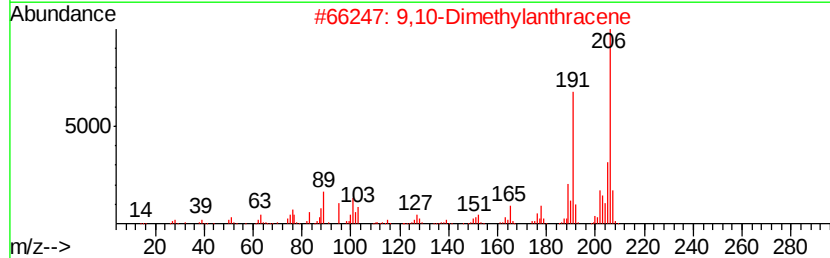
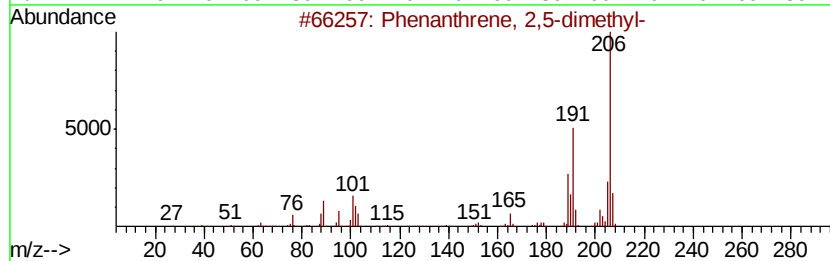
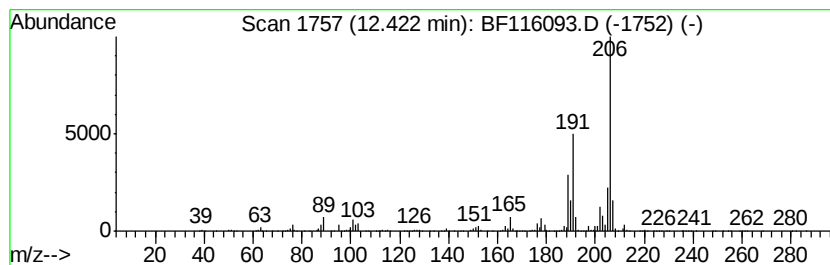
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	32.83 ng	1996070	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116093.D
Acq On : 9 Aug 2019 2:58
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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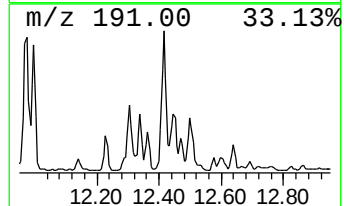
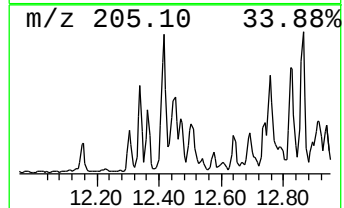
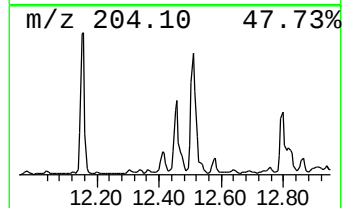
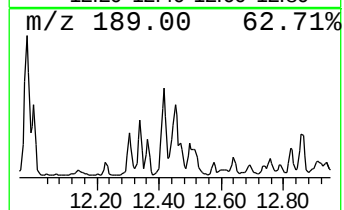
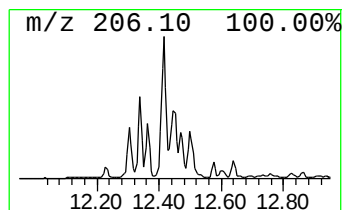
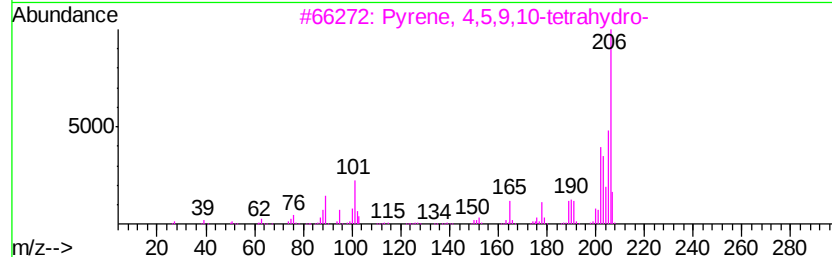
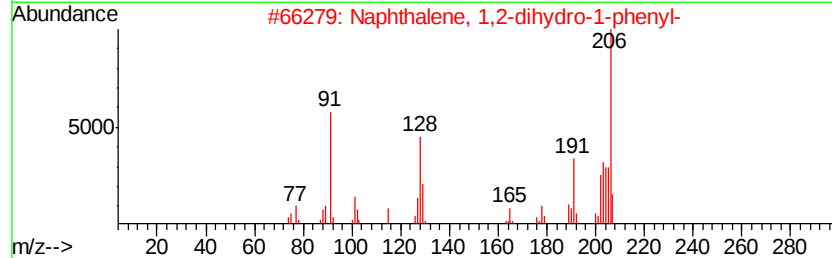
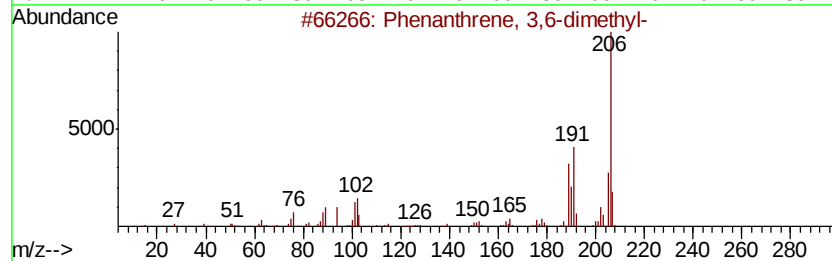
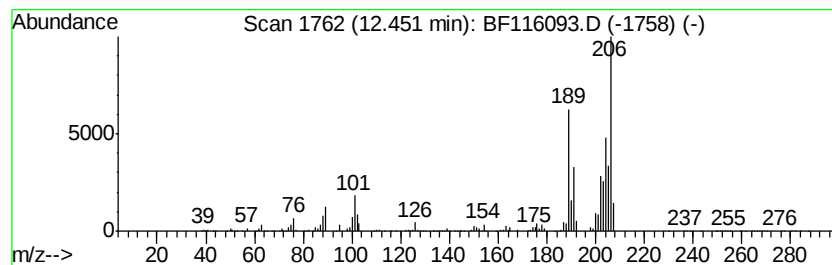
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 1,2-dihydro-1-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	21.40 ng	1301090	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	78
2		Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	70
3		Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	60
4		1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	49
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	46



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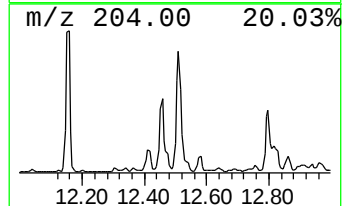
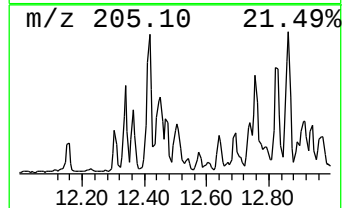
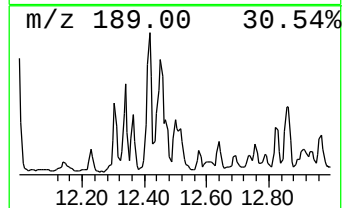
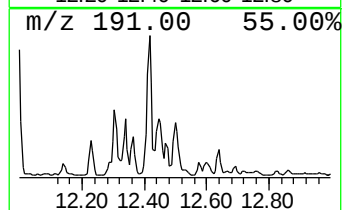
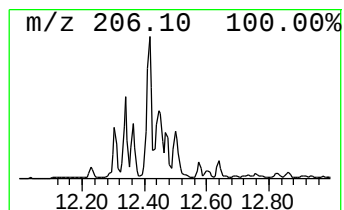
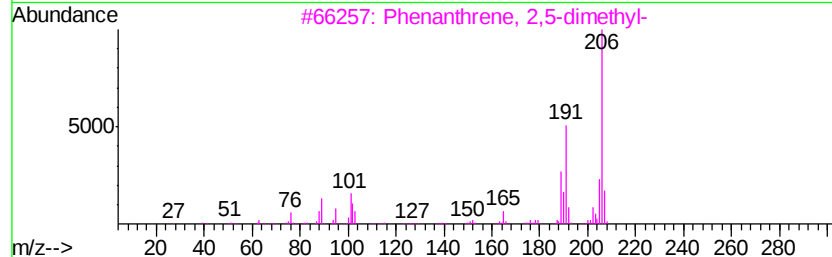
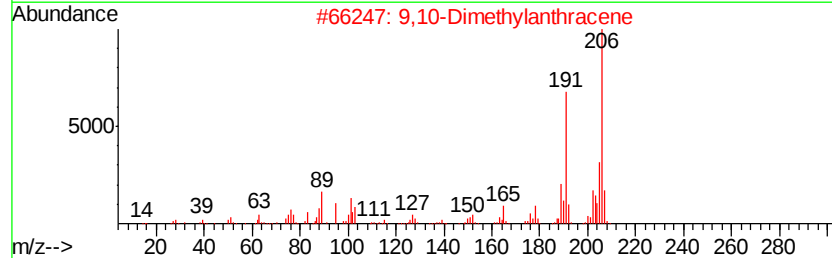
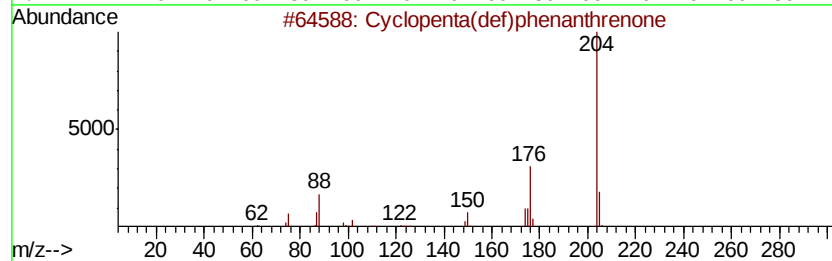
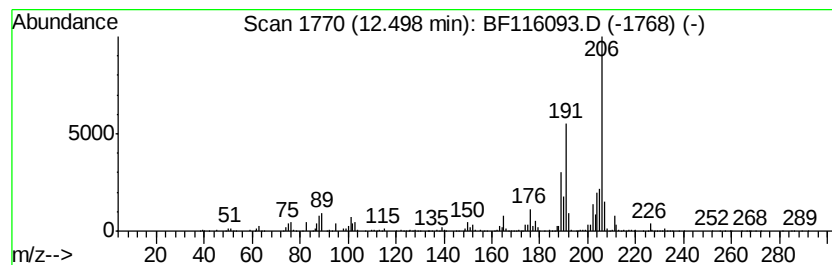
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	16.31 ng	991704	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	74
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	55
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	53
4		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	49
5		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116093.D
Acq On : 9 Aug 2019 2:58
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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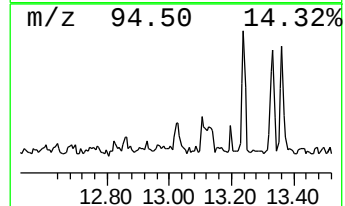
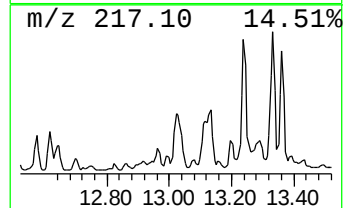
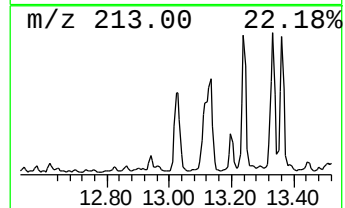
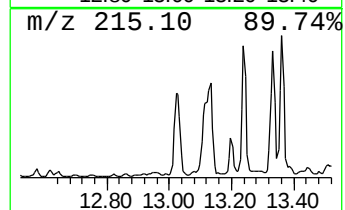
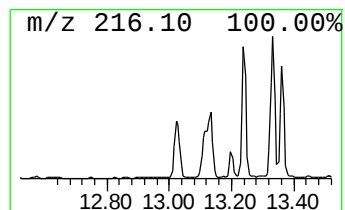
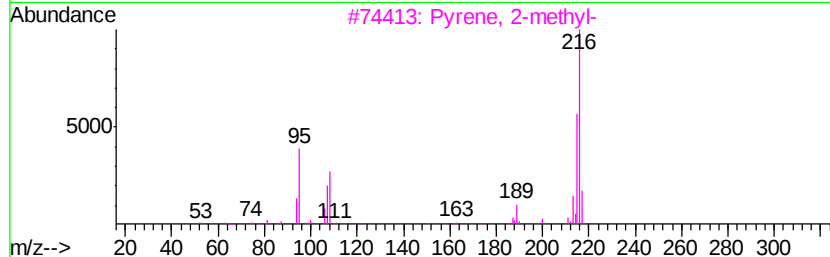
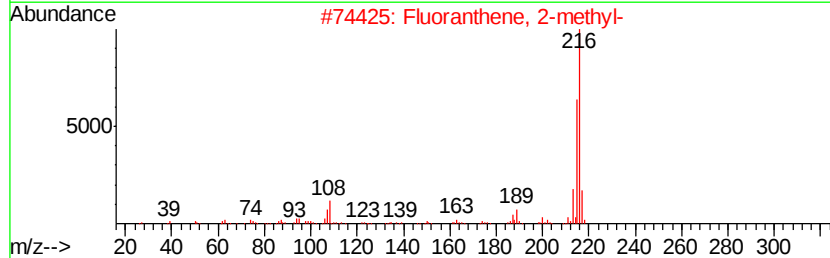
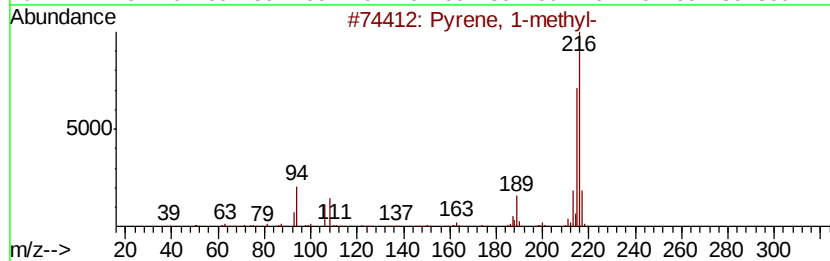
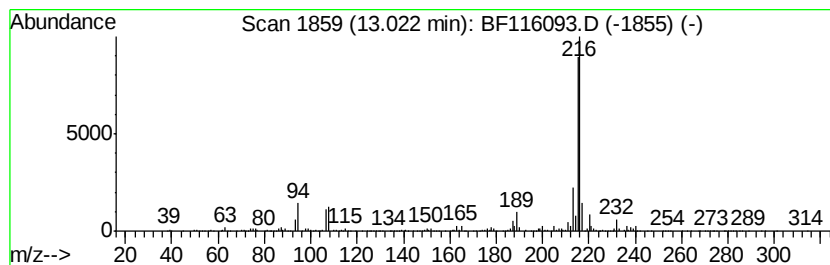
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	9.45 ng	1415400	Chrysene-d12	14.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3			Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116093.D
Acq On : 9 Aug 2019 2:58
Operator : HP/JU
Sample : K4178-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

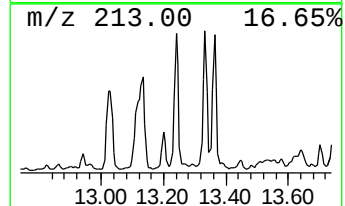
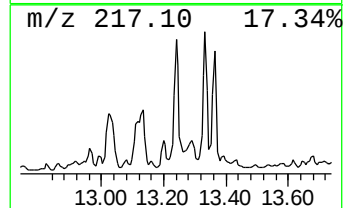
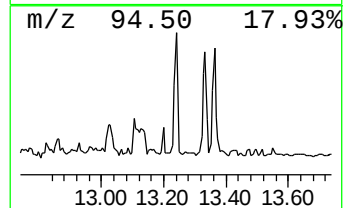
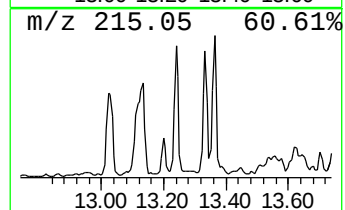
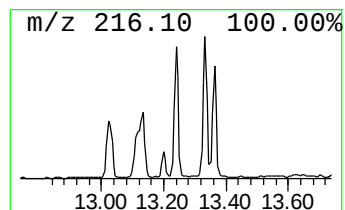
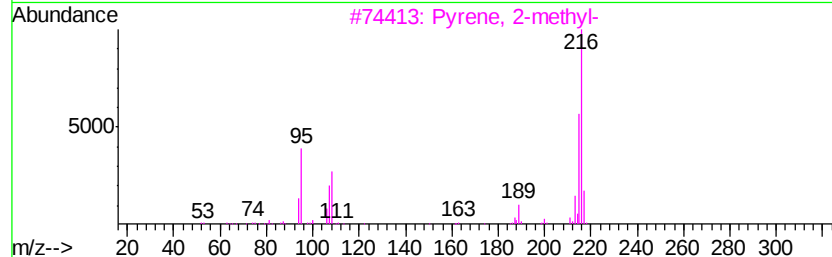
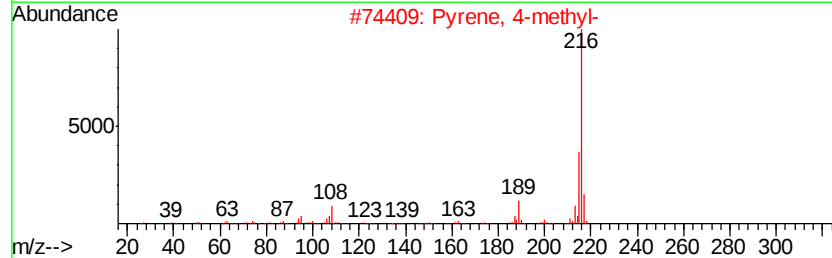
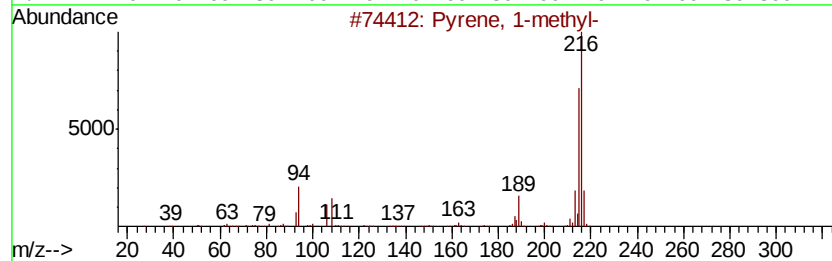
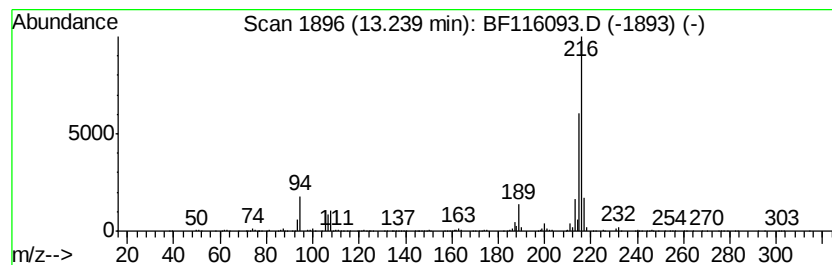
Instrument :
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ClientSampleId :
370-371

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	9.10 ng	1363950	Chrysene-d12	14.00
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 98
2		Pyrene, 4-methyl-	216 C17H12	003353-12-6 94
3		Pyrene, 2-methyl-	216 C17H12	003442-78-2 94
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 90
5		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116093.D
Acq On : 9 Aug 2019 2:58
Operator : HP/JU
Sample : K4178-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
370-371

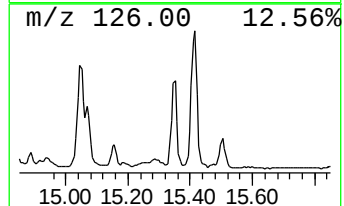
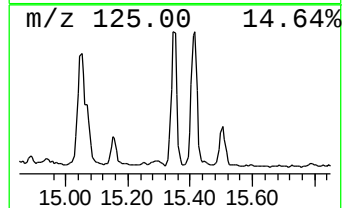
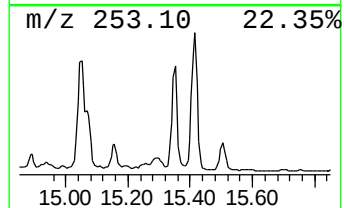
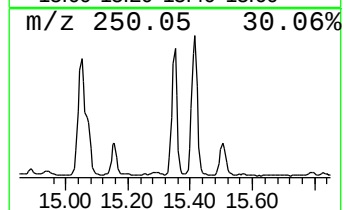
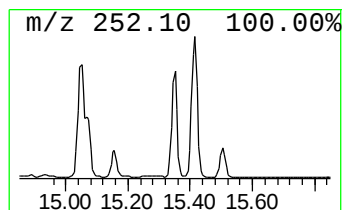
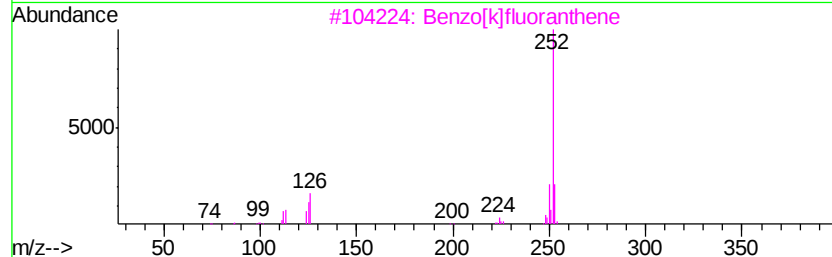
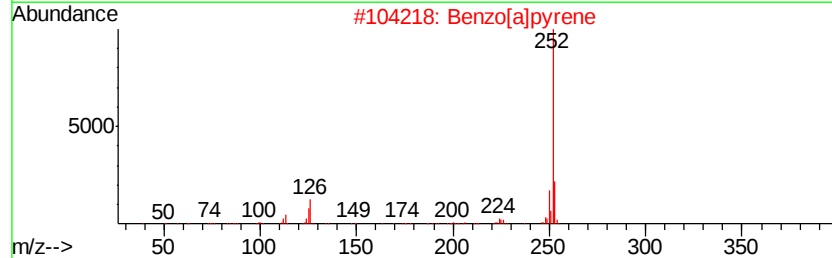
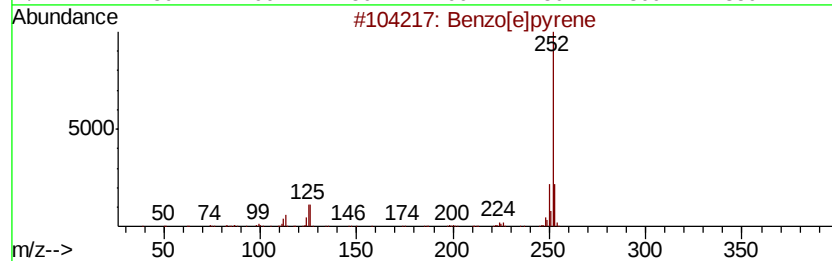
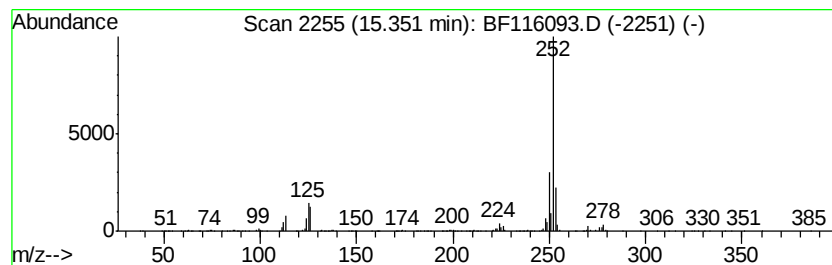
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	24.82 ng	1109700	Perylene-d12	15.47

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	98
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4		Perylene	252	C20H12	000198-55-0	95
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080819\
 Data File : BF116093.D
 Acq On : 9 Aug 2019 2:58
 Operator : HP/JU
 Sample : K4178-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 370-371

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
unknown6.61	6.61	32.0	ng	1453770	1	6.83	907676	20.0
Naphthalene, 1,6,...	10.19	8.6	ng	667442	3	9.87	1546810	20.0
Chamazulene	10.79	15.1	ng	919176	4	11.36	1216040	20.0
1-Methyldibenzoth...	11.69	11.3	ng	685063	4	11.36	1216040	20.0
Anthracene, 2-met...	11.86	21.7	ng	1317760	4	11.36	1216040	20.0
Phenanthrene, 2-m...	11.89	27.1	ng	1647460	4	11.36	1216040	20.0
Anthracene, 1-met...	11.94	8.3	ng	505272	4	11.36	1216040	20.0
Phenanthrene, 1-m...	11.97	29.1	ng	1768740	4	11.36	1216040	20.0
1H-Indene, 2-phenyl-	12.00	14.7	ng	891754	4	11.36	1216040	20.0
Naphthalene, 2-ph...	12.15	11.9	ng	724272	4	11.36	1216040	20.0
Phenanthrene, 3,6...	12.30	15.4	ng	938480	4	11.36	1216040	20.0
di-p-Tolylacetylene	12.34	13.3	ng	807586	4	11.36	1216040	20.0
Phenanthrene, 1,7...	12.36	8.9	ng	542808	4	11.36	1216040	20.0
Phenanthrene, 2,5...	12.42	32.8	ng	1996070	4	11.36	1216040	20.0
Naphthalene, 1,2-...	12.45	21.4	ng	1301090	4	11.36	1216040	20.0
Cyclopenta(def)ph...	12.50	16.3	ng	991704	4	11.36	1216040	20.0
Fluoranthene, 2-m...	13.02	9.4	ng	1415400	5	14.00	2996380	20.0
Pyrene, 1-methyl-	13.24	9.1	ng	1363950	5	14.00	2996380	20.0
Benzo[e]pyrene	15.35	24.8	ng	1109700	6	15.47	894031	20.0