

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092920\
 Data File : BF121734.D
 Acq On : 29 Sep 2020 16:48
 Operator : JU/CG
 Sample : L4172-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-7(12-14)

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-BF091020.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	5.404	560	564	568	rBV	2683141	2681910	63.93%	4.447%
2	6.422	732	737	740	rBV	2827843	2804898	66.86%	4.651%
3	6.616	766	770	784	rBV	92215	111684	2.66%	0.185%
4	6.781	795	798	802	rBV	974868	839306	20.01%	1.392%
5	7.345	889	894	897	rBV	1831104	1825126	43.51%	3.026%
6	8.069	1008	1017	1019	rBV	1281838	1183957	28.22%	1.963%
7	8.087	1019	1020	1024	rVB	417338	300968	7.17%	0.499%
8	8.781	1135	1138	1141	rVB	192401	150061	3.58%	0.249%
9	8.881	1151	1155	1163	rVB	146139	140922	3.36%	0.234%
10	9.145	1195	1200	1203	rBV	3324156	2884441	68.76%	4.783%
11	9.222	1209	1213	1215	rBV2	101660	112145	2.67%	0.186%
12	9.404	1240	1244	1249	rBV	61991	93860	2.24%	0.156%
13	9.481	1254	1257	1259	rVV	114662	114217	2.72%	0.189%
14	9.539	1263	1267	1271	rVV	448774	439995	10.49%	0.730%
15	9.598	1273	1277	1282	rVB2	56138	70494	1.68%	0.117%
16	9.681	1288	1291	1295	rBV	191940	183770	4.38%	0.305%
17	9.822	1308	1315	1318	rBV	1397669	1253424	29.88%	2.078%
18	9.857	1318	1321	1324	rVB	709449	629896	15.02%	1.044%
19	10.028	1346	1350	1354	rVV	371287	353932	8.44%	0.587%
20	10.369	1404	1408	1414	rBV	666796	560484	13.36%	0.929%
21	10.528	1432	1435	1438	rVB	123610	115085	2.74%	0.191%
22	10.610	1444	1449	1453	rBV	2000262	1811537	43.18%	3.004%
23	10.733	1466	1470	1477	rVB2	113434	169720	4.05%	0.281%
24	10.916	1494	1501	1504	rBV3	105045	165378	3.94%	0.274%
25	11.045	1518	1523	1525	rBV2	65819	100876	2.40%	0.167%
26	11.110	1531	1534	1539	rVB	192346	174599	4.16%	0.290%
27	11.169	1539	1544	1547	rVV3	145422	207324	4.94%	0.344%
28	11.204	1547	1550	1556	rVB	332558	302984	7.22%	0.502%
29	11.310	1564	1568	1570	rBV	1177794	1316697	31.39%	2.183%
30	11.339	1570	1573	1575	rVV	3505017	3295117	78.55%	5.464%
31	11.380	1575	1580	1583	rVV	967366	922925	22.00%	1.530%
32	11.416	1583	1586	1590	rVB	133212	122596	2.92%	0.203%
33	11.539	1601	1607	1609	rBV2	516849	554903	13.23%	0.920%
34	11.604	1615	1618	1621	rVV2	94738	86152	2.05%	0.143%

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35	11.639	1621	1624	1629	rVB4	87071	100808	2.40%	0.167%
36	11.810	1649	1653	1655	rBV	352458	336104	8.01%	0.557%
37	11.833	1655	1657	1661	rVB	554106	498472	11.88%	0.827%
38	11.880	1662	1665	1668	rBV	170209	165263	3.94%	0.274%
39	11.922	1668	1672	1674	rVV	759880	726367	17.31%	1.204%
40	11.939	1674	1675	1680	rVB2	259372	198386	4.73%	0.329%
41	12.010	1685	1687	1690	rVB2	76219	59830	1.43%	0.099%
42	12.104	1700	1703	1705	rBV	335635	262469	6.26%	0.435%
43	12.127	1705	1707	1710	rVB	396768	328858	7.84%	0.545%
44	12.251	1723	1728	1731	rBV	96731	102883	2.45%	0.171%
45	12.280	1731	1733	1736	rVV	82624	79583	1.90%	0.132%
46	12.357	1742	1746	1749	rBV	184543	214324	5.11%	0.355%
47	12.392	1749	1752	1755	rVV	124842	156551	3.73%	0.260%
48	12.445	1758	1761	1766	rBV	223958	229424	5.47%	0.380%
49	12.527	1770	1775	1778	rVB	4231483	4157621	99.11%	6.894%
50	12.580	1783	1784	1787	rVB2	95293	73616	1.75%	0.122%
51	12.616	1787	1790	1792	rVB	93851	80357	1.92%	0.133%
52	12.669	1792	1799	1803	rBV3	187029	306522	7.31%	0.508%
53	12.757	1807	1814	1818	rBV2	3379366	4195110	100.00%	6.956%
54	12.798	1818	1821	1826	rVB2	198726	215814	5.14%	0.358%
55	12.869	1829	1833	1834	rBV	286431	259647	6.19%	0.431%
56	12.892	1834	1837	1844	rVB	2869041	2672467	63.70%	4.431%
57	12.969	1844	1850	1853	rBV2	232013	410995	9.80%	0.681%
58	12.998	1853	1855	1857	rVB	119472	84671	2.02%	0.140%
59	13.051	1860	1864	1866	rBV3	200583	242965	5.79%	0.403%
60	13.074	1866	1868	1871	rVB	565267	538126	12.83%	0.892%
61	13.110	1871	1874	1876	rBV	57145	69879	1.67%	0.116%
62	13.145	1876	1880	1882	rVV	487690	413165	9.85%	0.685%
63	13.180	1882	1886	1888	rVV2	346850	377498	9.00%	0.626%
64	13.204	1888	1890	1893	rVB	172018	150961	3.60%	0.250%
65	13.239	1893	1896	1898	rBV	72295	63674	1.52%	0.106%
66	13.274	1899	1902	1904	rVB	164983	135516	3.23%	0.225%
67	13.304	1904	1907	1910	rBV2	188524	193438	4.61%	0.321%
68	13.457	1930	1933	1935	rBV3	73258	103598	2.47%	0.172%
69	13.504	1938	1941	1943	rVV	115092	133809	3.19%	0.222%
70	13.557	1947	1950	1952	rVV3	78432	85548	2.04%	0.142%
71	13.580	1952	1954	1959	rVB	266993	286692	6.83%	0.475%

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72	13.692	1969	1973	1976	rBV2	351128	410871	9.79%	0.681%
73	13.721	1976	1978	1980	rVV	344806	269944	6.43%	0.448%
74	13.745	1980	1982	1987	rVV2	245327	350265	8.35%	0.581%
75	13.792	1987	1990	1997	rVB2	441527	521723	12.44%	0.865%
76	13.863	2000	2002	2008	rVB	95218	97127	2.32%	0.161%
77	13.939	2008	2015	2019	rBV3	2097127	3326990	79.31%	5.517%
78	13.974	2019	2021	2024	rVB	1763199	1390846	33.15%	2.306%
79	14.051	2032	2034	2037	rBV	309696	241900	5.77%	0.401%
80	14.092	2039	2041	2043	rVV2	77352	75787	1.81%	0.126%
81	14.133	2046	2048	2051	rVV	138302	134980	3.22%	0.224%
82	14.168	2051	2054	2058	rVV2	179317	221490	5.28%	0.367%
83	14.204	2058	2060	2062	rVB	79983	61454	1.46%	0.102%
84	14.263	2067	2070	2074	rBV4	59667	117499	2.80%	0.195%
85	14.333	2077	2082	2084	rVV	286085	294913	7.03%	0.489%
86	14.363	2084	2087	2091	rVB3	150962	163481	3.90%	0.271%
87	14.457	2100	2103	2105	rBV2	164869	150902	3.60%	0.250%
88	14.474	2105	2106	2110	rVB3	185151	141999	3.38%	0.235%
89	14.639	2131	2134	2136	rBV2	116102	110565	2.64%	0.183%
90	14.716	2145	2147	2150	rVB2	69124	60220	1.44%	0.100%
91	14.980	2187	2192	2195	rBV	1280974	2042137	48.68%	3.386%
92	15.080	2206	2209	2212	rVB	249825	233273	5.56%	0.387%
93	15.163	2221	2223	2225	rBV2	67110	74848	1.78%	0.124%
94	15.268	2237	2241	2247	rVB	651346	902687	21.52%	1.497%
95	15.333	2247	2252	2257	rBV	1024810	1222557	29.14%	2.027%
96	15.392	2257	2262	2265	rVV2	625277	810778	19.33%	1.344%
97	15.421	2265	2267	2274	rVB	358105	406872	9.70%	0.675%
98	16.815	2498	2504	2511	rVB2	456829	887839	21.16%	1.472%
99	17.039	2538	2542	2547	rBV3	80255	143203	3.41%	0.237%
100	17.245	2571	2577	2588	rVB	318583	649104	15.47%	1.076%

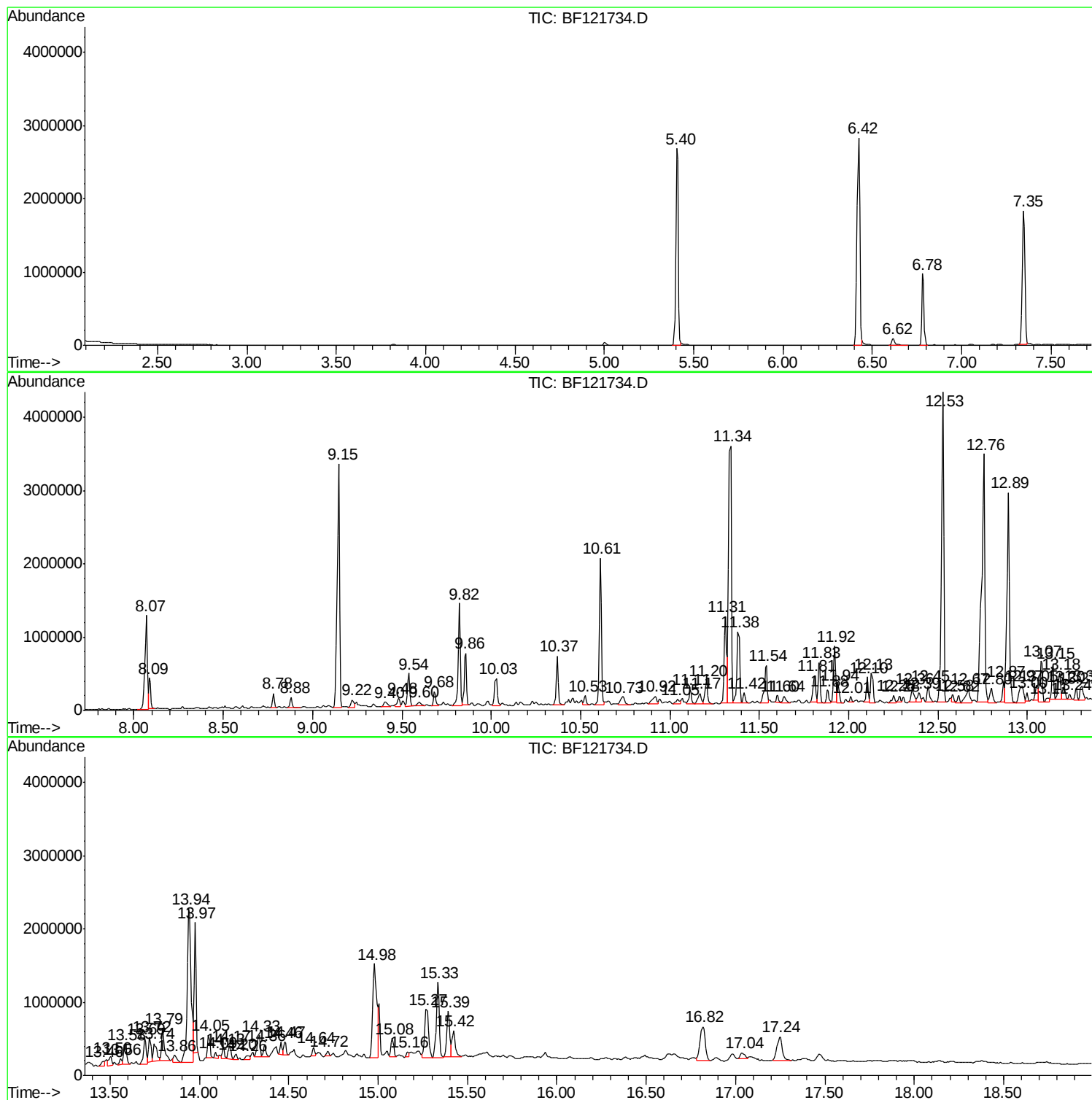
Sum of corrected areas: 60308648

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.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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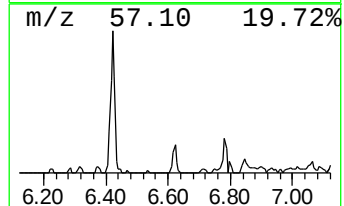
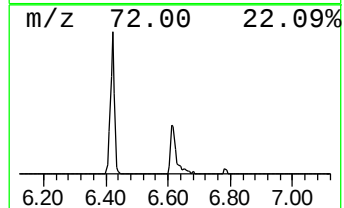
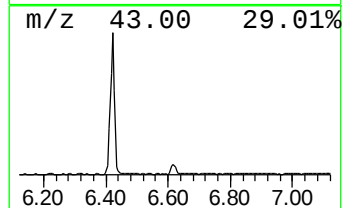
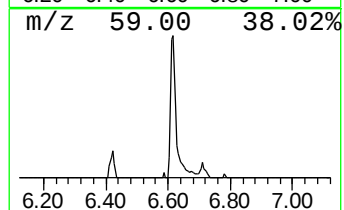
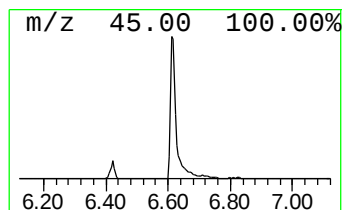
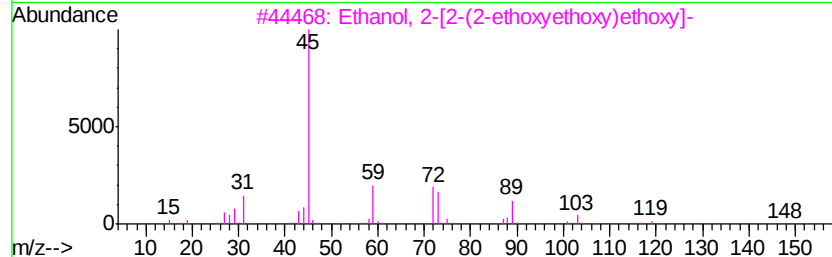
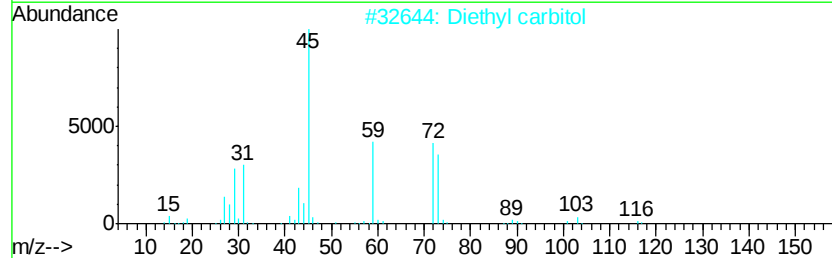
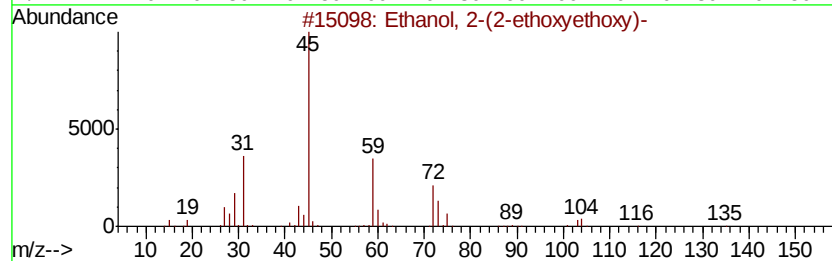
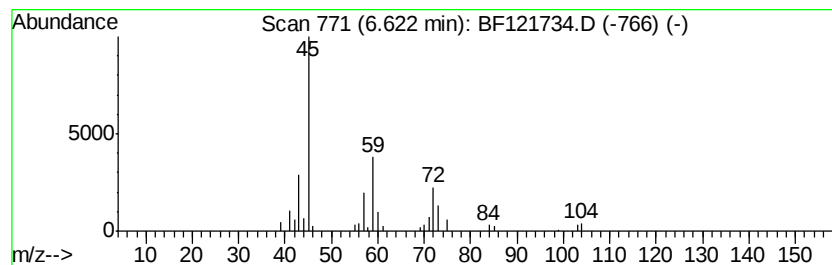
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	2.66 ng	111684	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-(2-ethoxvethoxy)-	134	C6H14O3	000111-90-0	83
2		Diethyl carbitol	162	C8H18O3	000112-36-7	72
3		Ethanol, 2-[2-(2-ethoxvethoxy)et...	178	C8H18O4	000112-50-5	64
4		Methoxymethyl isothiocyante	103	C3H5NOS	019900-84-6	53
5		2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	45



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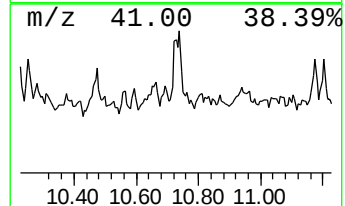
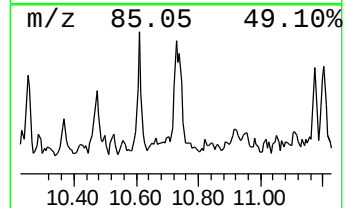
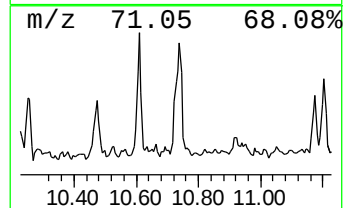
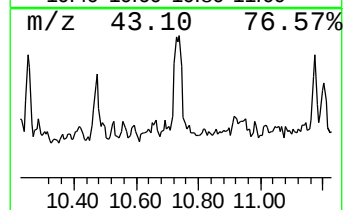
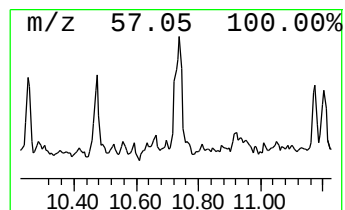
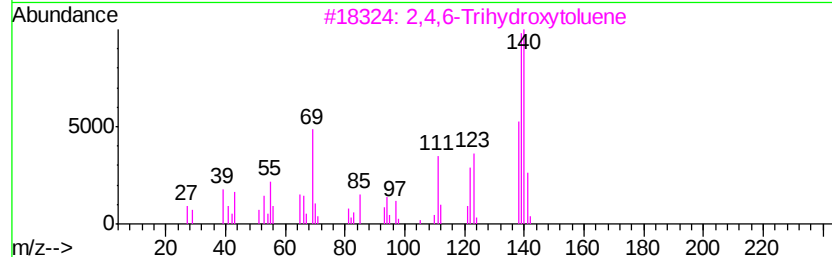
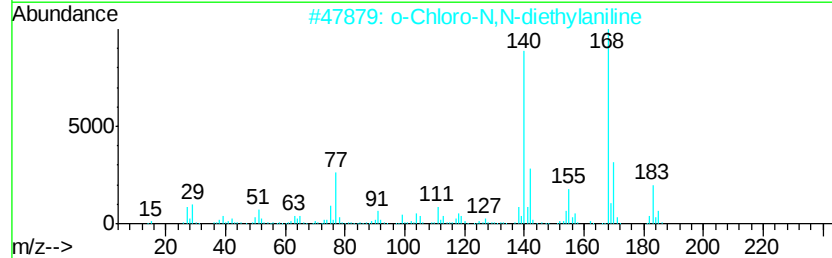
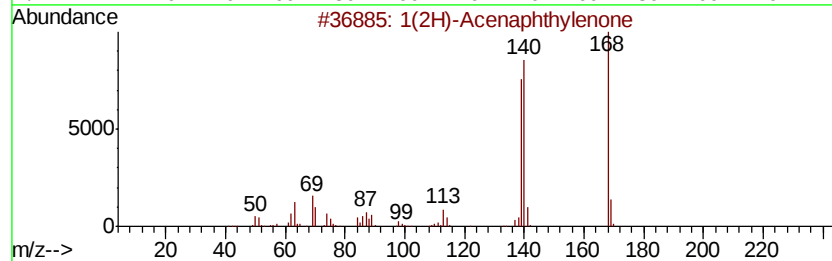
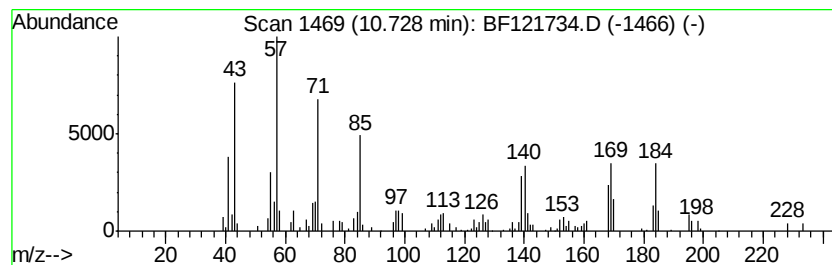
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown10.73 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	2.58 ng	169720	Phenanthrene-d10	11.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1(2H)-Acenaphthylene	168	C12H8O	002235-15-6	46
2			o-Chloro-N,N-diethylaniline	183	C10H14ClN	019372-80-6	30
3			2,4,6-Trihydroxytoluene	140	C7H8O3	000088-03-9	30
4			Tetradecane	198	C14H30	000629-59-4	25
5			Dodecane	170	C12H26	000112-40-3	25



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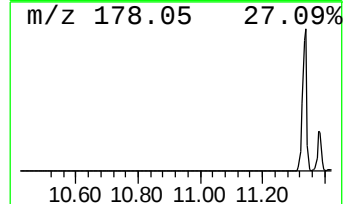
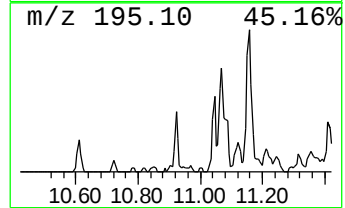
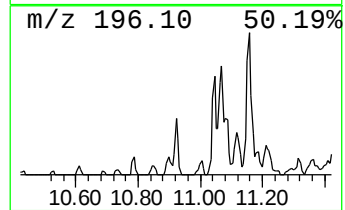
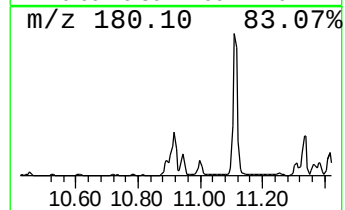
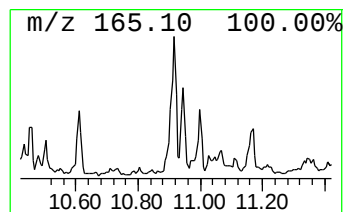
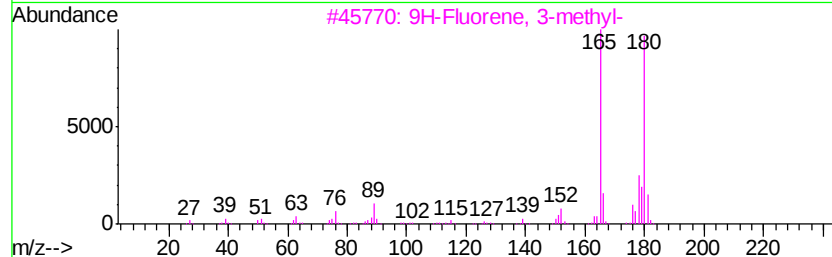
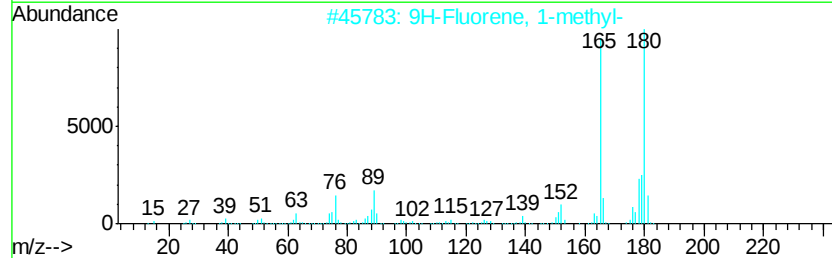
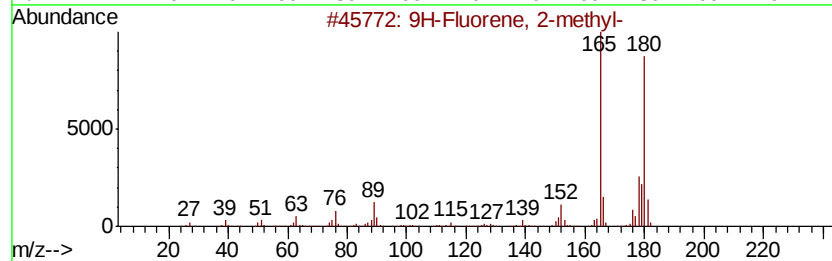
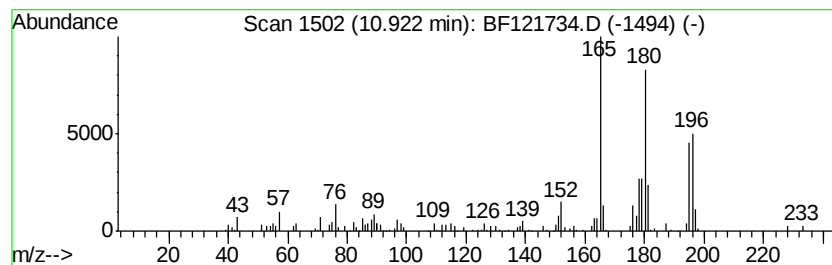
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TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	2.51 ng	165378	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121734.D
Acq On : 29 Sep 2020 16:48
Operator : JU/CG
Sample : L4172-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-7(12-14)

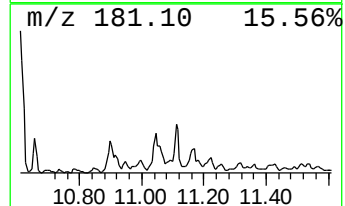
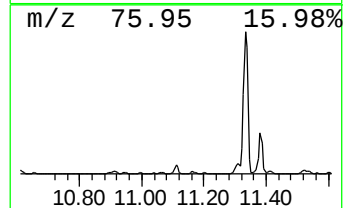
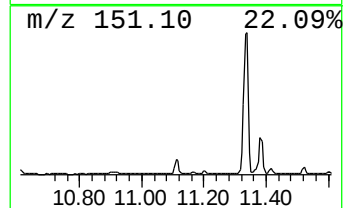
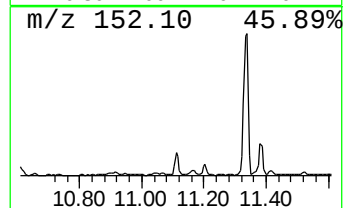
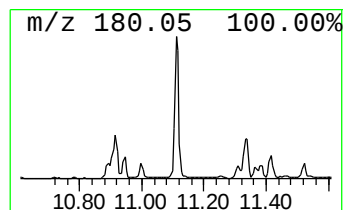
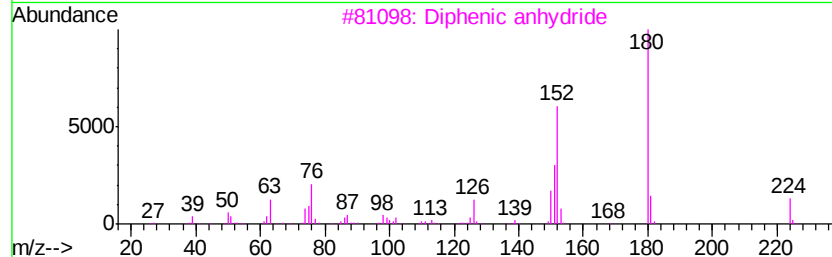
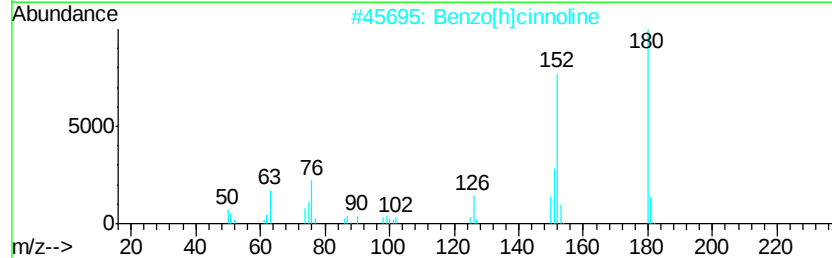
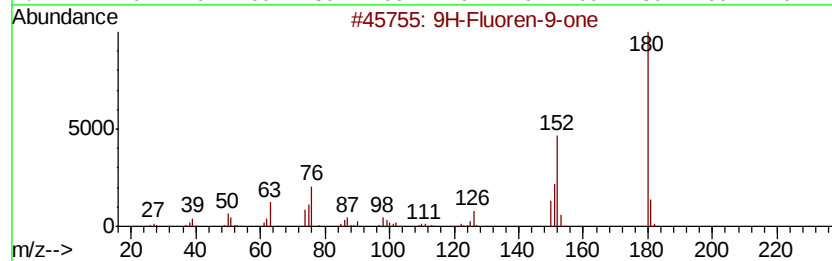
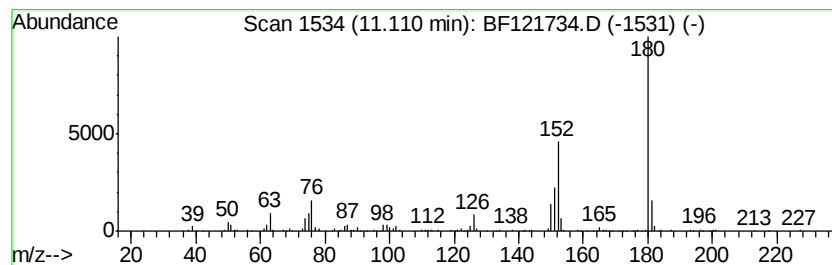
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	2.65 ng	174599	Phenanthrene-d10	11.31

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one		180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline		180	C12H8N2	000230-31-9	94
3	Diphenic anhydride		224	C14H8O3	006050-13-1	91
4	9,10-Phenanthrenedione		208	C14H8O2	000084-11-7	91
5	2,3-Diazaphenanthrene		180	C12H8N2	000229-72-1	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
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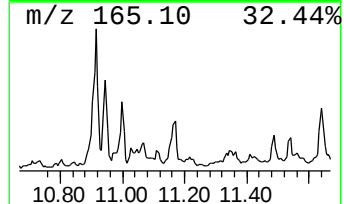
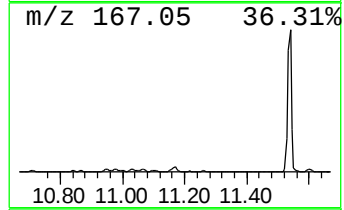
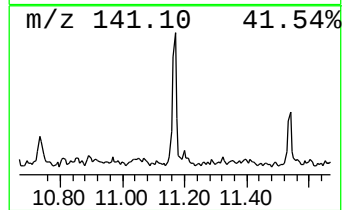
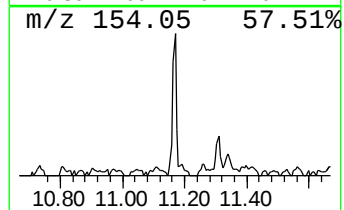
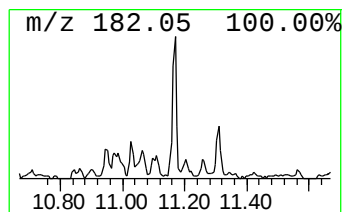
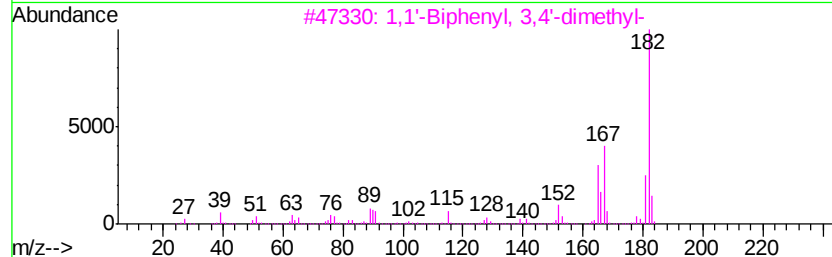
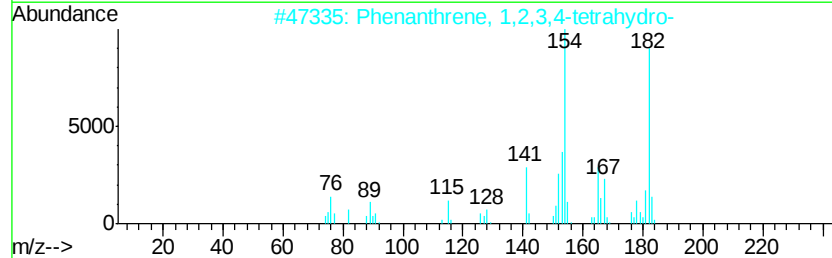
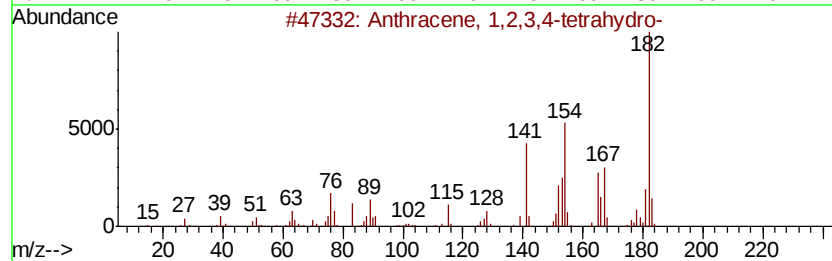
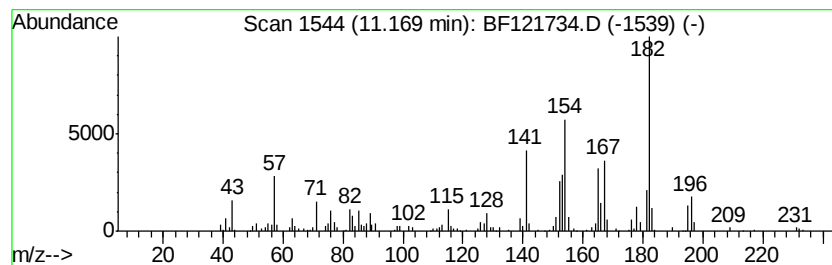
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	3.15 ng	207324	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
2		Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
3		1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	50
4		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	45
5		Biphenyl	154	C12H10	000092-52-4	44



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121734.D
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Sample : L4172-10
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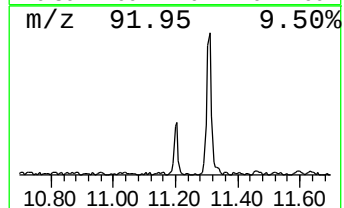
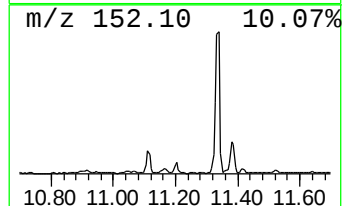
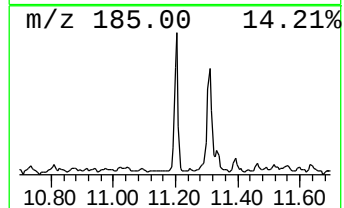
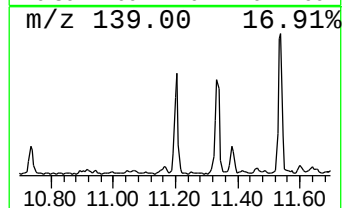
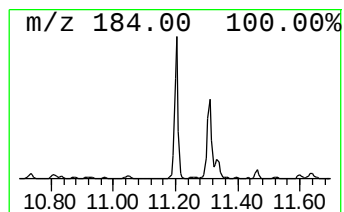
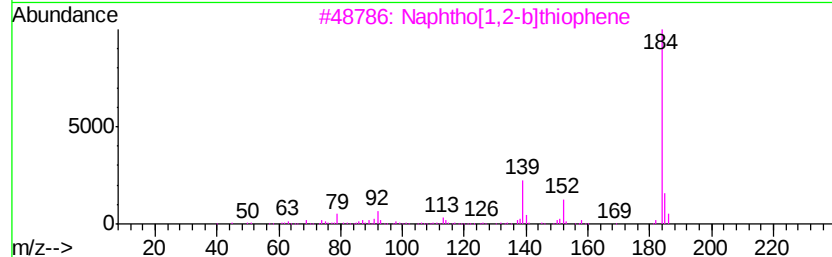
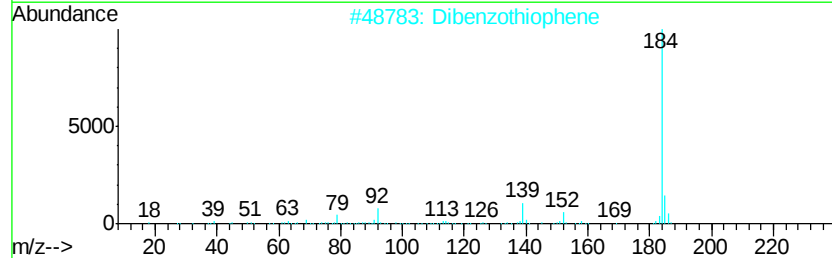
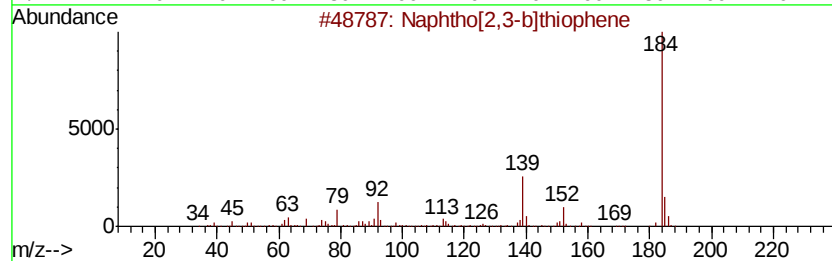
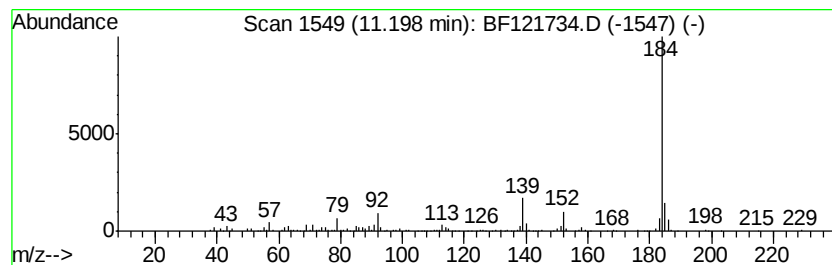
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphtho[2,3-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.20	4.60 ng	302984	Phenanthrene-d10	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121734.D
Acq On : 29 Sep 2020 16:48
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Sample : L4172-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

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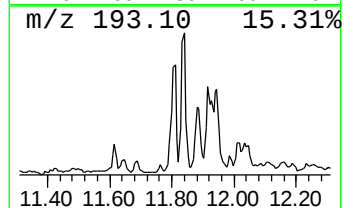
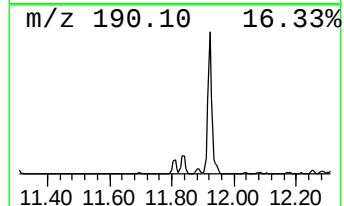
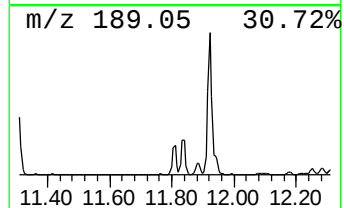
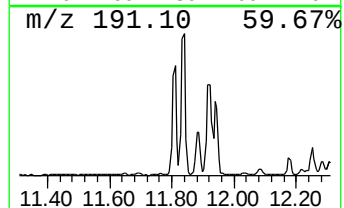
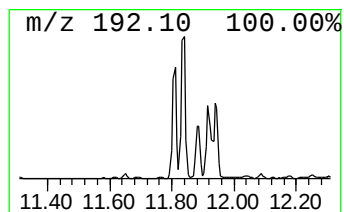
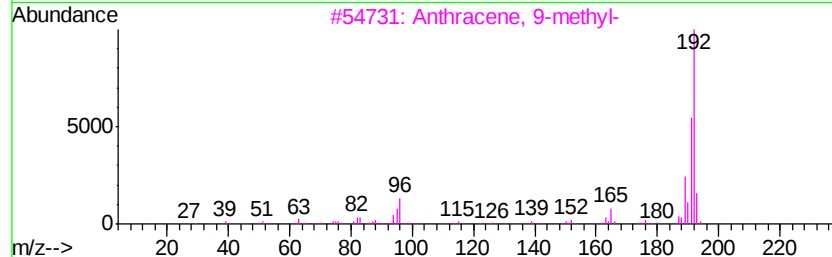
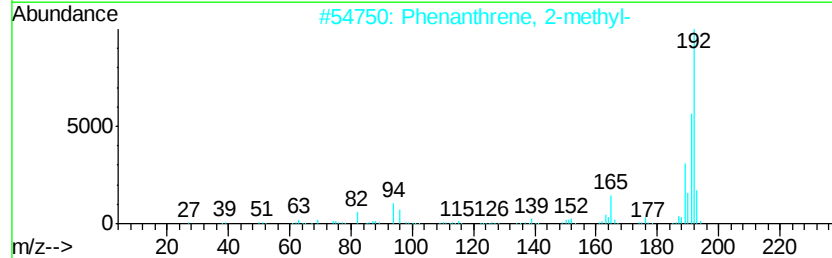
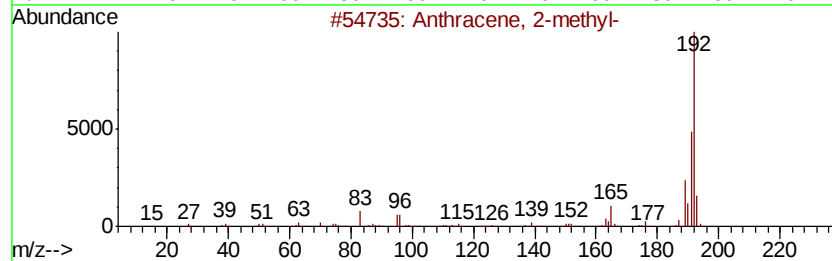
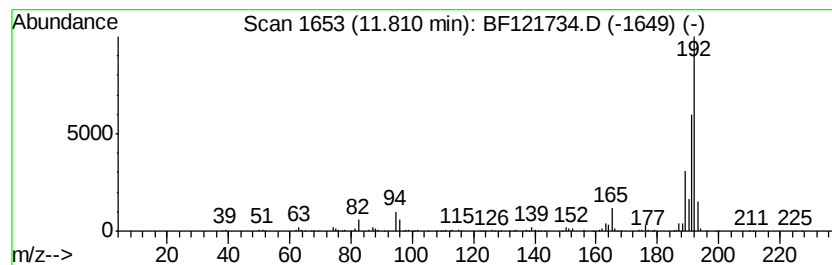
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	5.11 ng	336104	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
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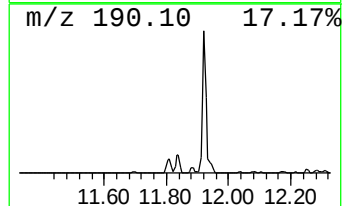
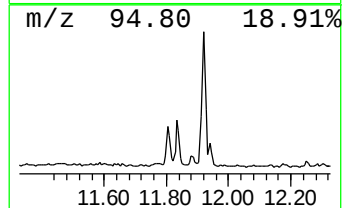
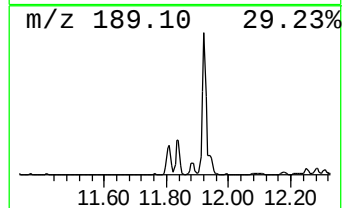
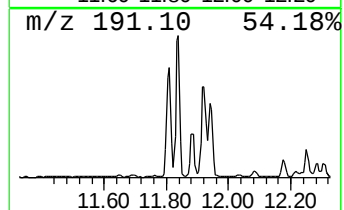
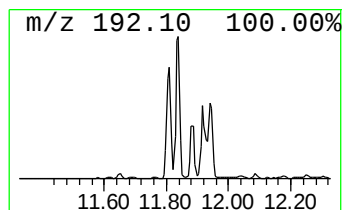
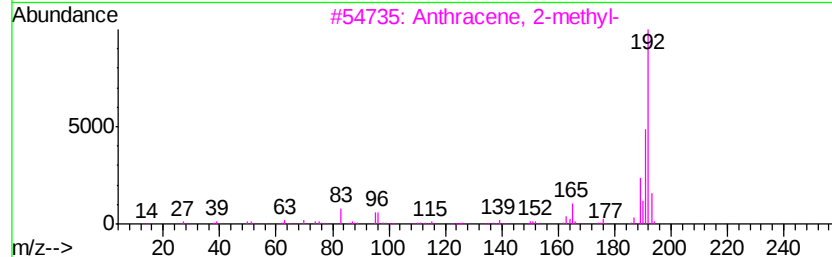
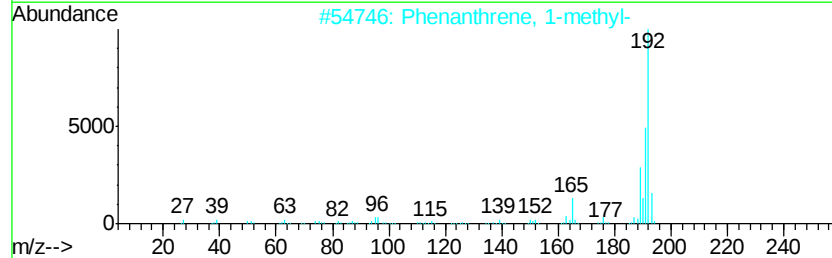
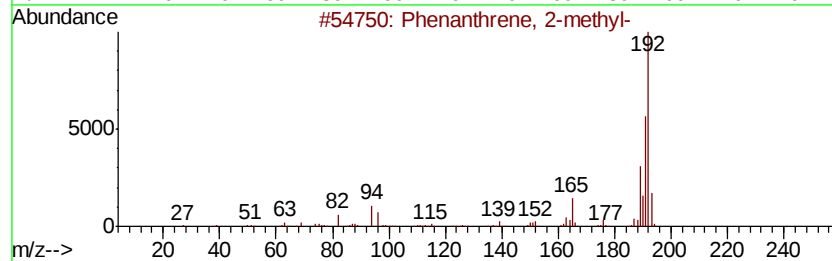
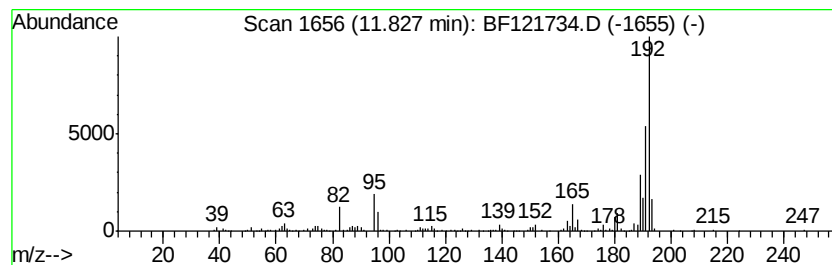
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.83	7.57 ng	498472	Phenanthrene-d10		11.31
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
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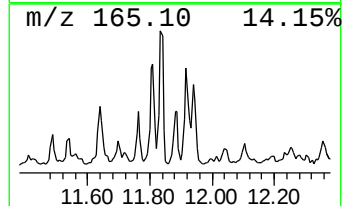
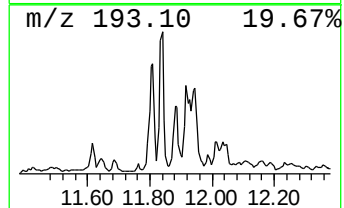
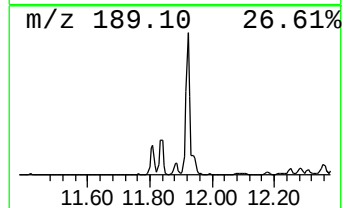
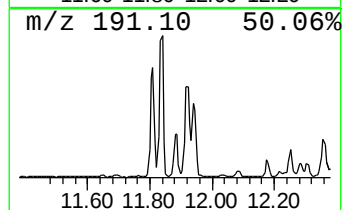
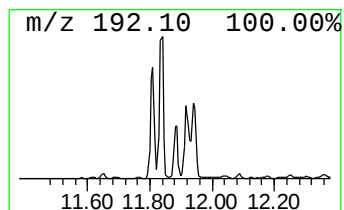
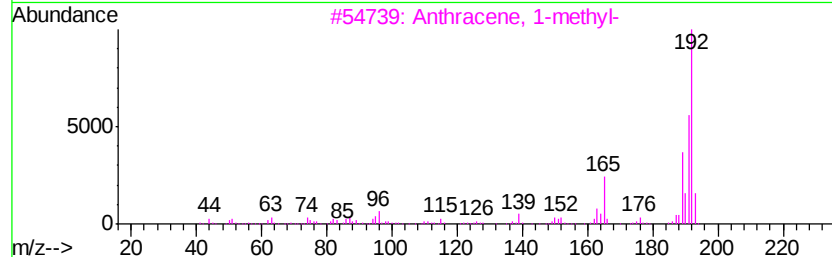
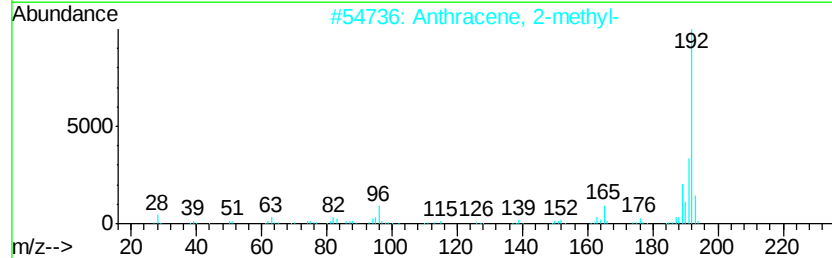
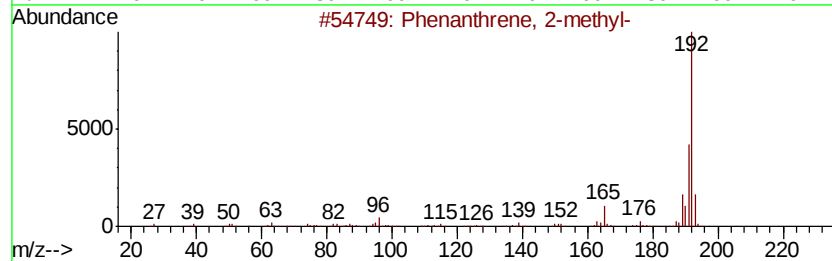
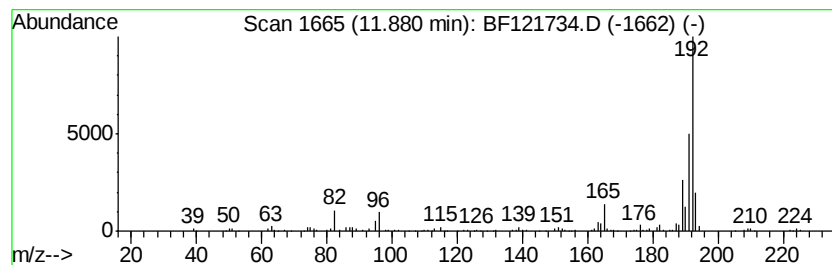
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.51 ng	165263	Phenanthrene-d10	11.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4			1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
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Sample : L4172-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

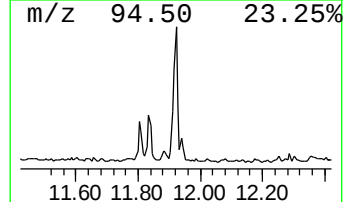
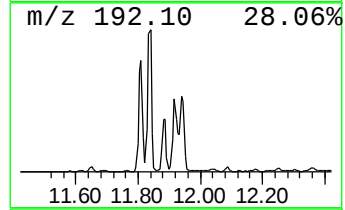
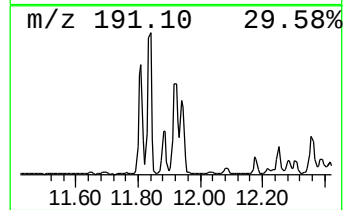
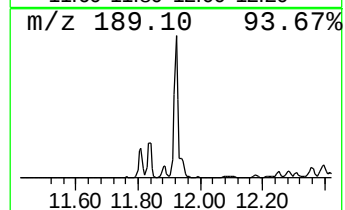
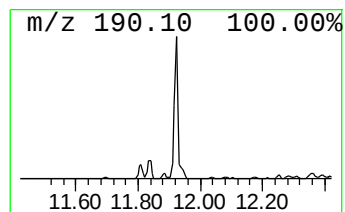
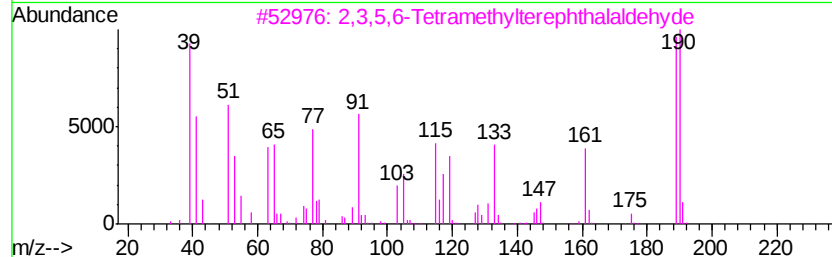
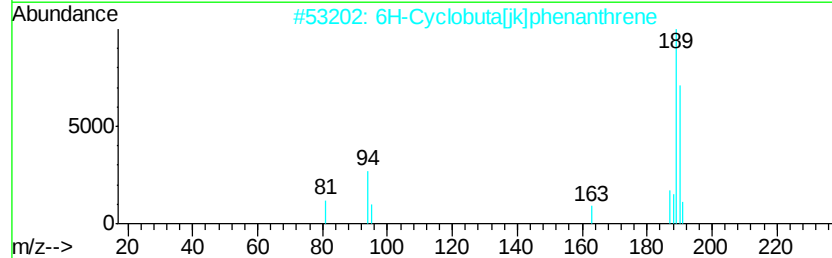
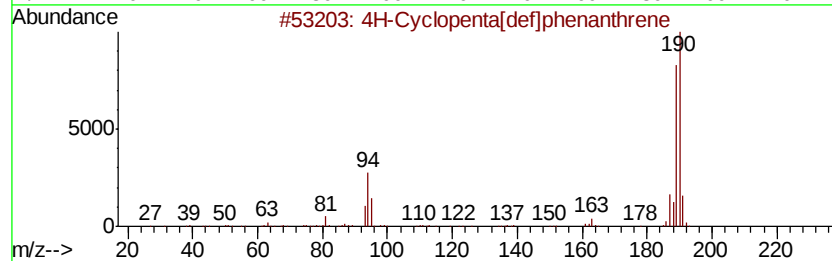
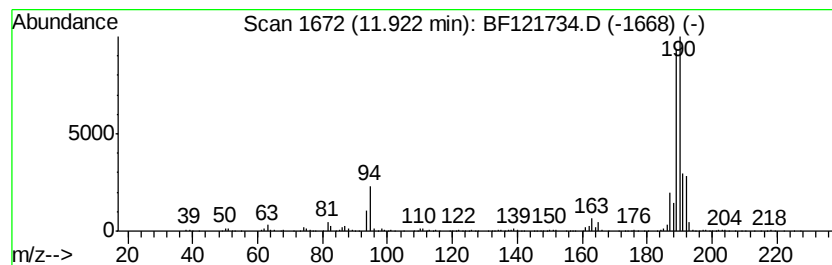
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ClientSampleId :
B-7(12-14)

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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 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.92	11.03 ng	726367	Phenanthrene-d10	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121734.D
Acq On : 29 Sep 2020 16:48
Operator : JU/CG
Sample : L4172-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-7(12-14)

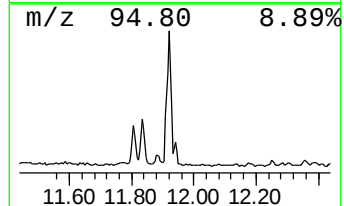
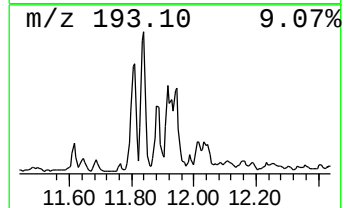
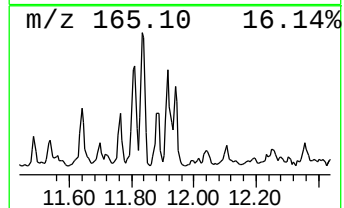
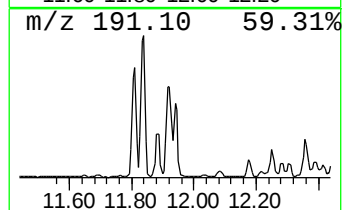
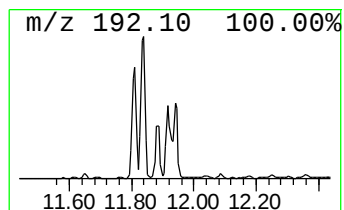
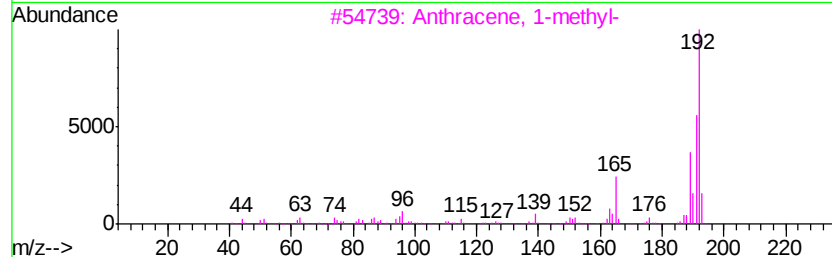
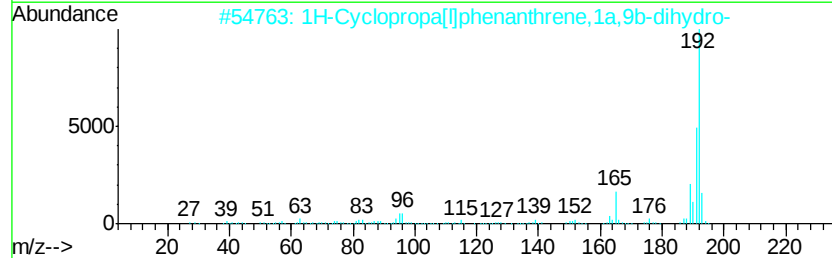
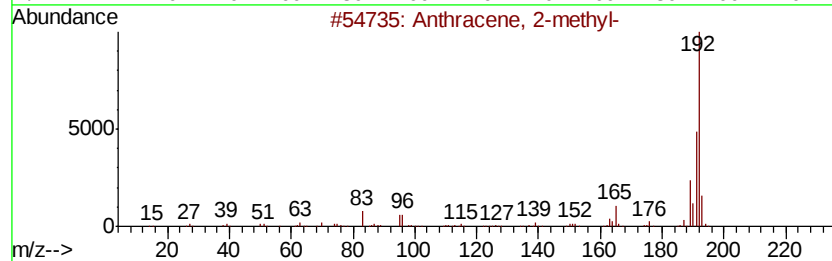
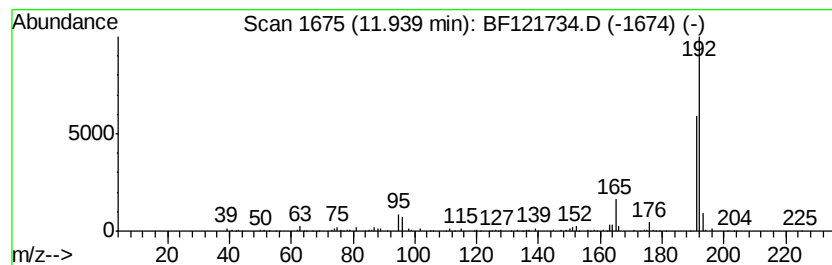
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	3.01 ng	198386	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121734.D
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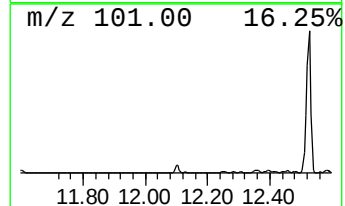
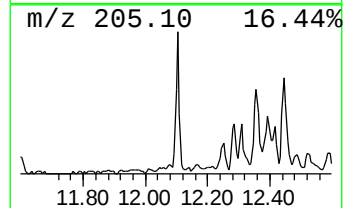
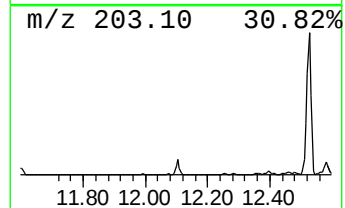
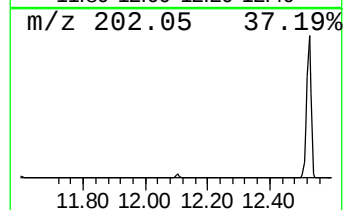
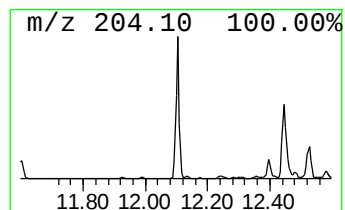
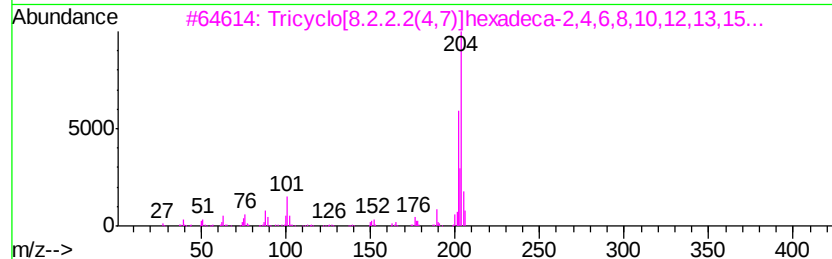
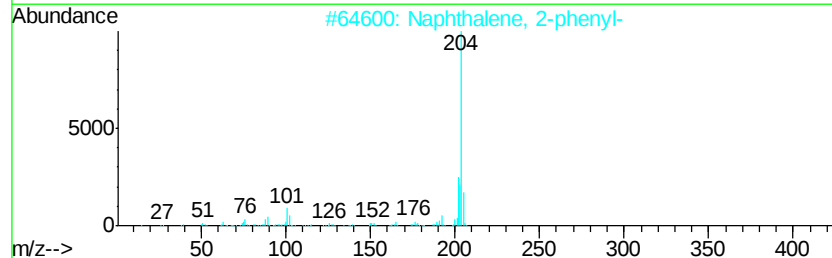
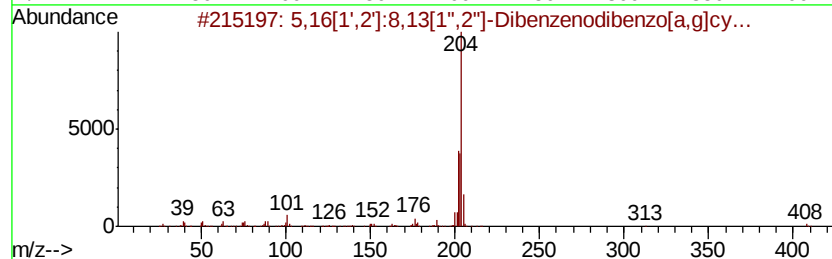
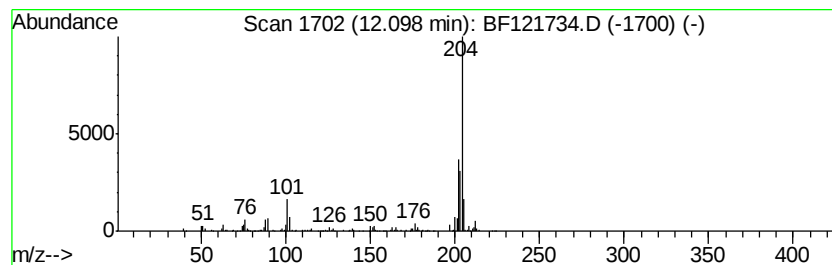
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	3.99 ng	262469	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4		Levamisole	204	C11H12N2S	014769-73-4	49
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
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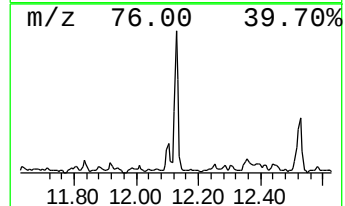
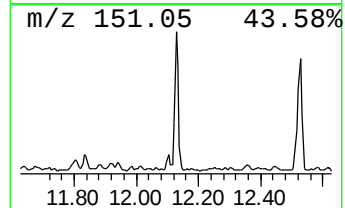
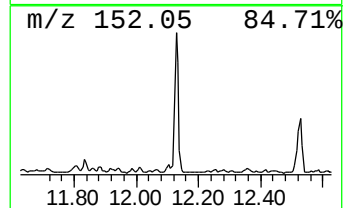
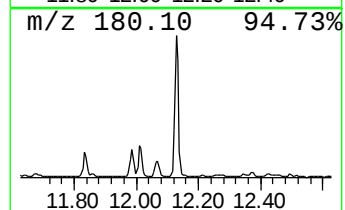
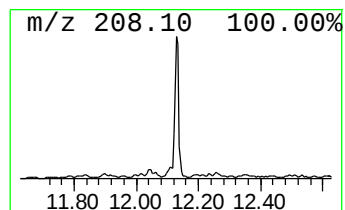
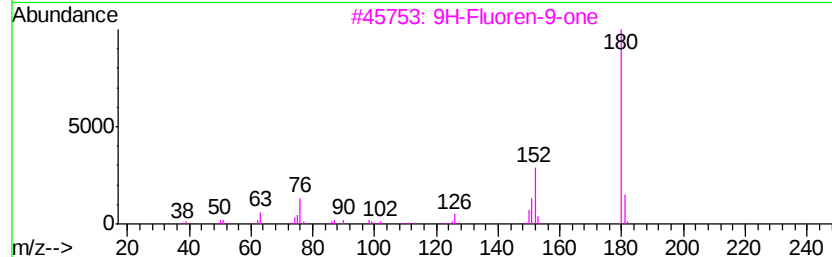
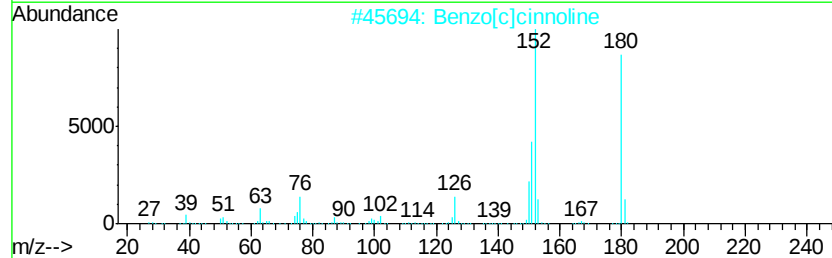
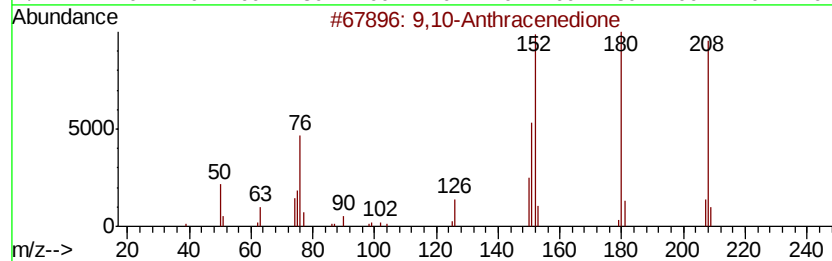
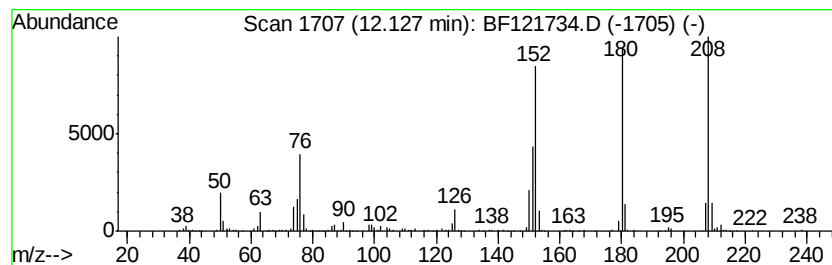
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	5.00 ng	328858	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
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Sample : L4172-10
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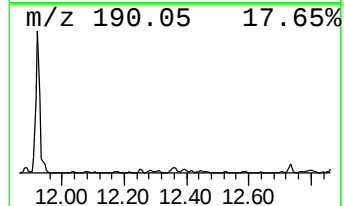
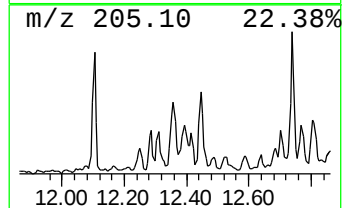
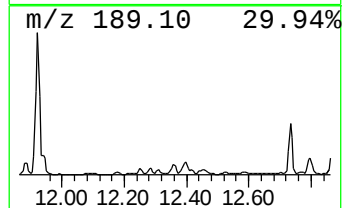
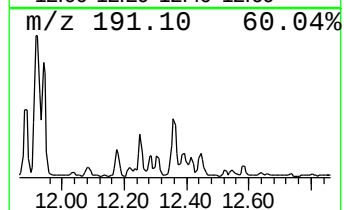
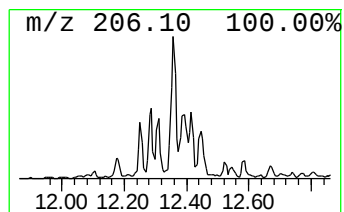
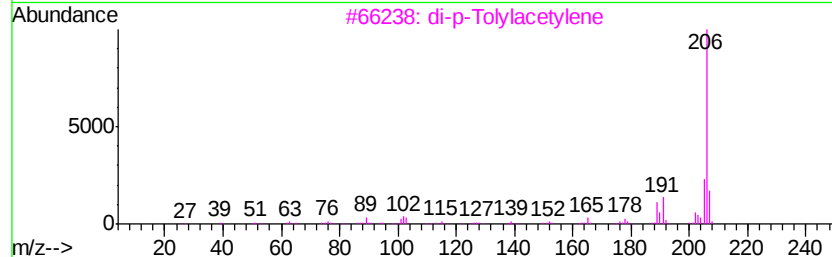
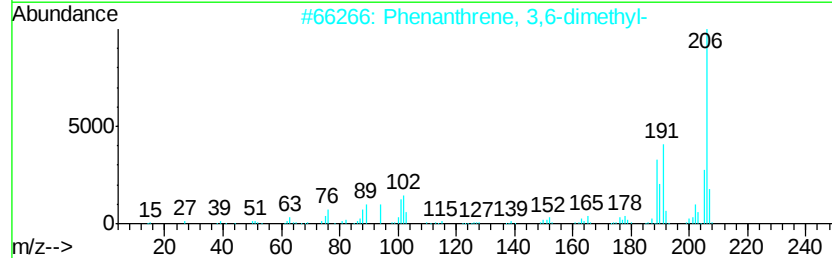
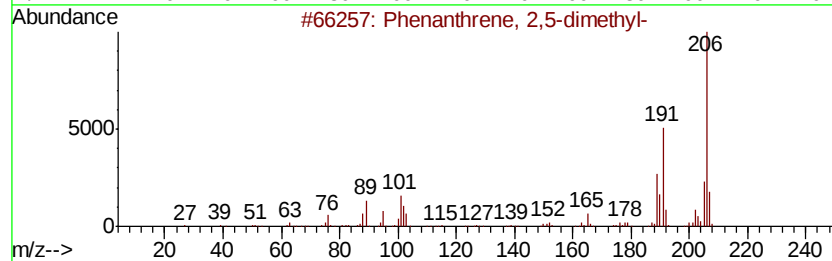
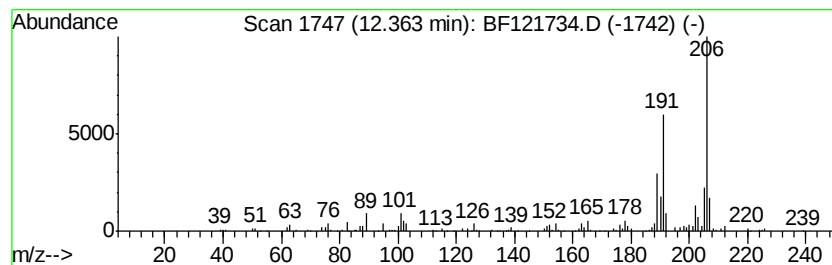
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.36	3.26 ng	214324	Phenanthrene-d10		11.31
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
5	9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121734.D
Acq On : 29 Sep 2020 16:48
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Sample : L4172-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-7(12-14)

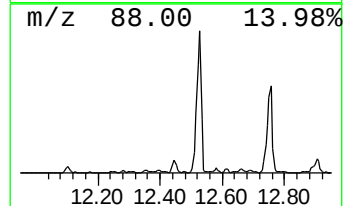
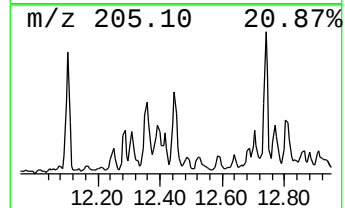
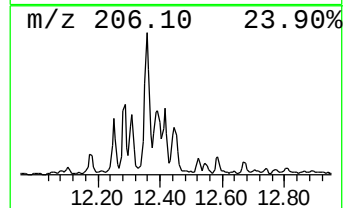
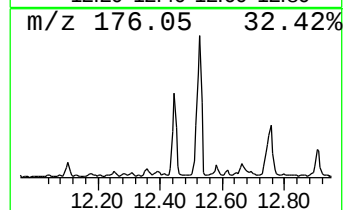
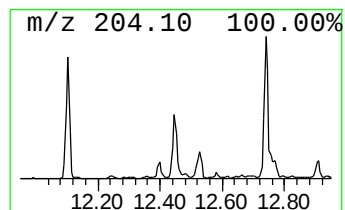
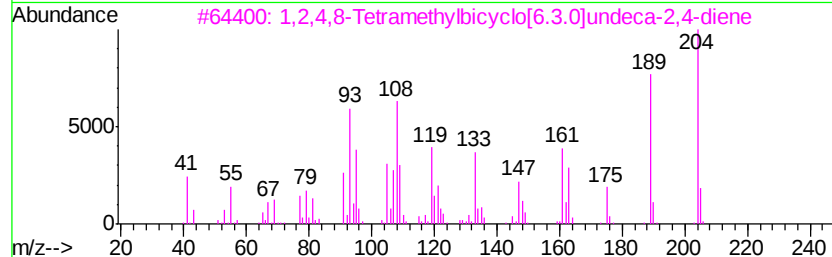
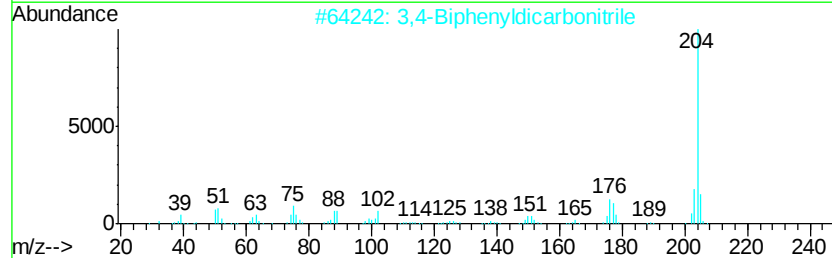
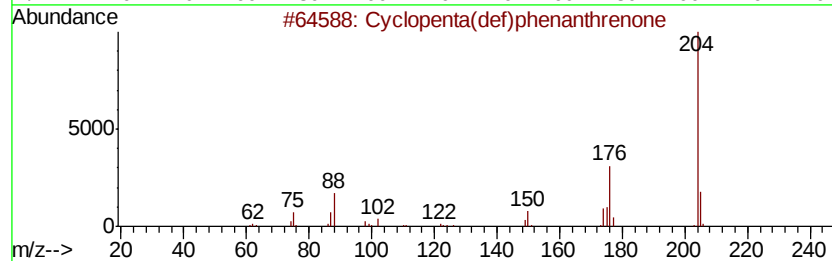
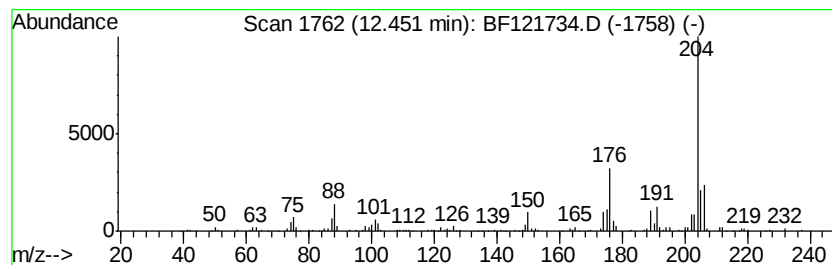
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.48 ng	229424	Phenanthrene-d10	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	45
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5		N-(4-Chloro-phenyl)-2-(3,4-dihydro-1H-benzofuran-3-ylidene)acetamide	330	C17H15ClN2OS	1000296-34-3	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
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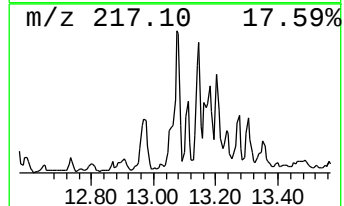
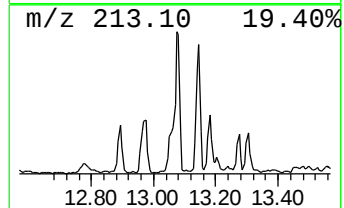
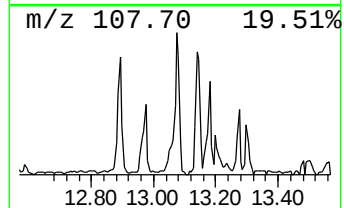
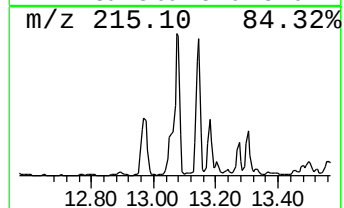
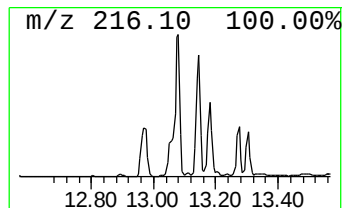
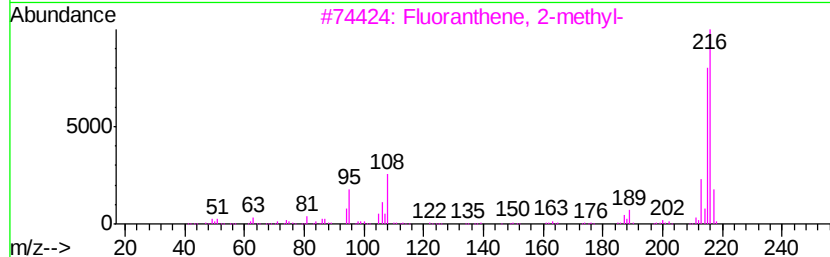
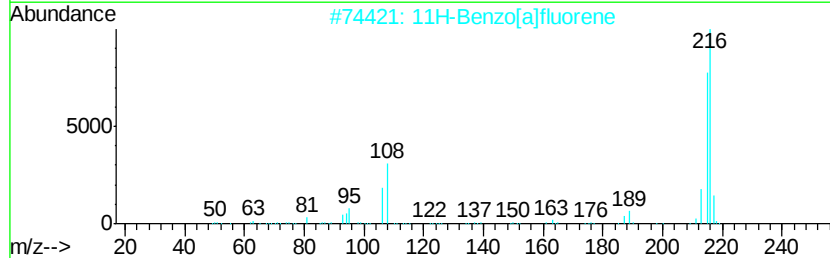
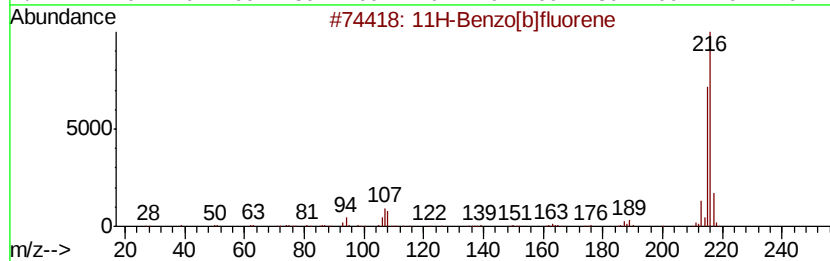
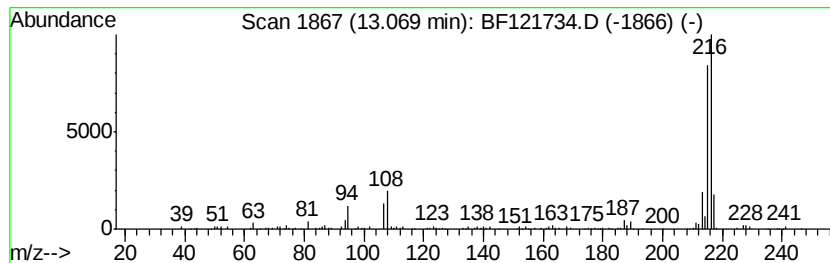
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	3.23 ng	538126	Chrysene-d12	13.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

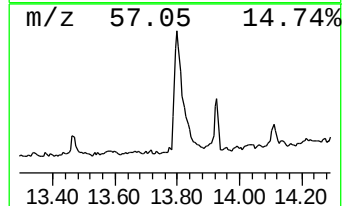
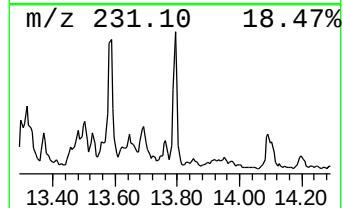
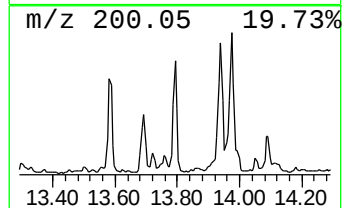
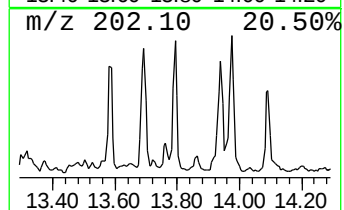
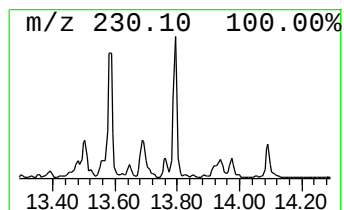
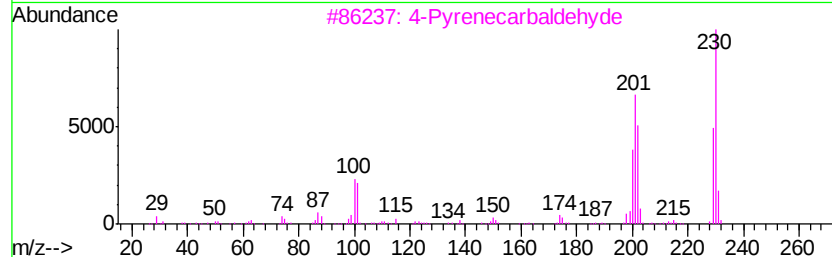
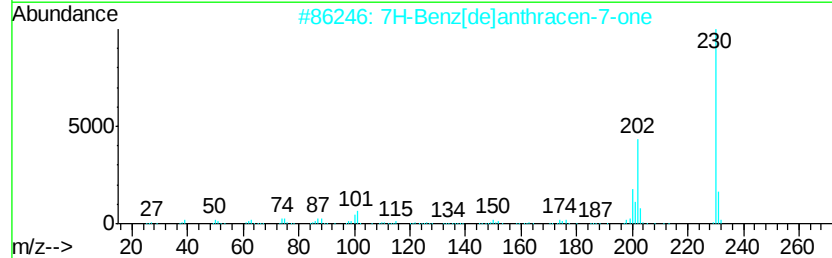
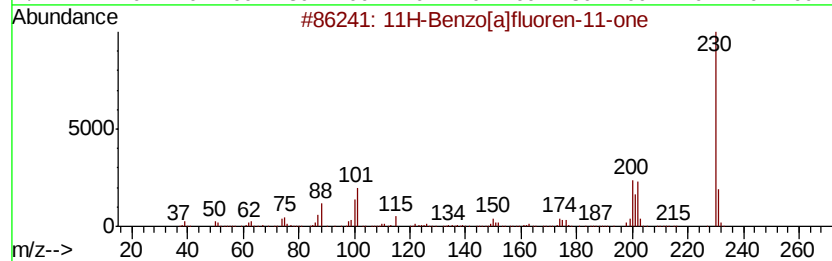
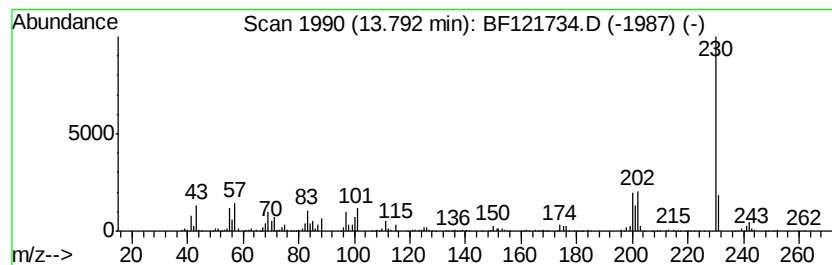
Instrument :
BNA_F
ClientSampleId :
B-7(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.79	3.14 ng	521723	Chrysene-d12	13.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[alfluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[delanthracen-7-one	230	C17H10O	000082-05-3	89
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
4	o-Terphenyl	230	C18H14	000084-15-1	50
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121734.D
Acq On : 29 Sep 2020 16:48
Operator : JU/CG
Sample : L4172-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-7(12-14)

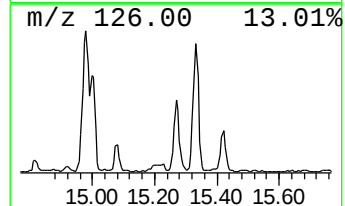
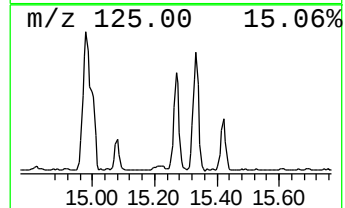
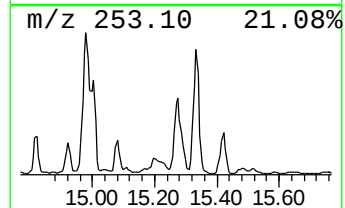
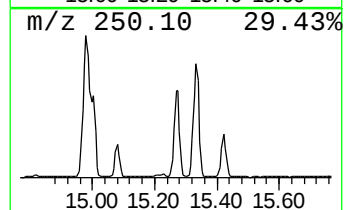
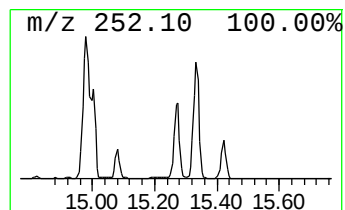
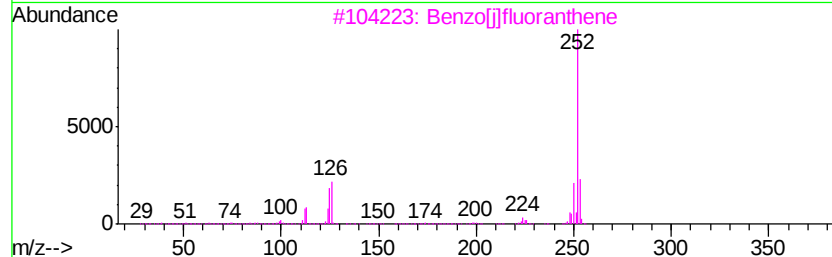
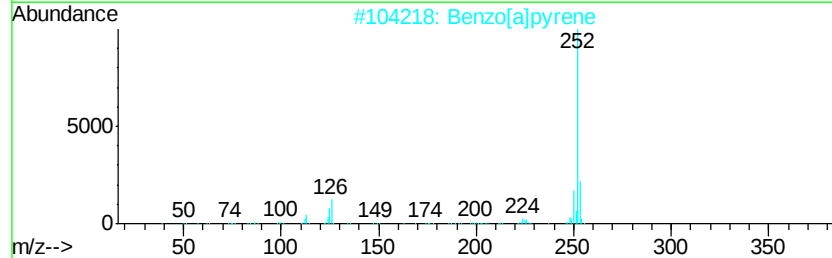
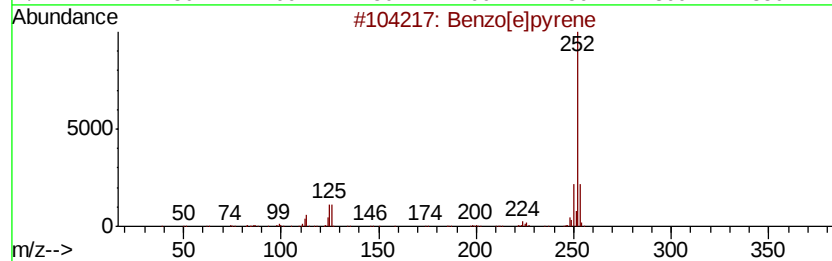
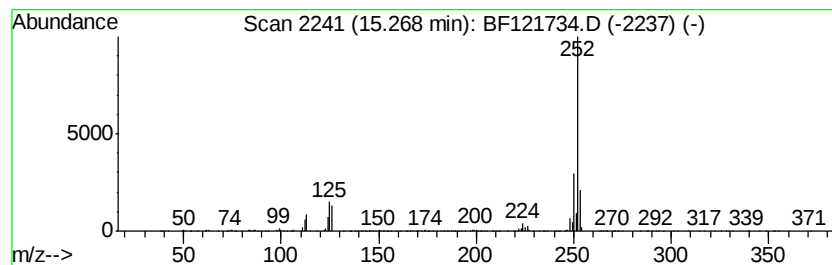
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	22.27 ng	902687	Perylene-d12	15.39

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	96
3		Benzo[i]fluoranthene	252	C20H12	000205-82-3	95
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092920\
Data File : BF121734.D
Acq On : 29 Sep 2020 16:48
Operator : JU/CG
Sample : L4172-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-7(12-14)

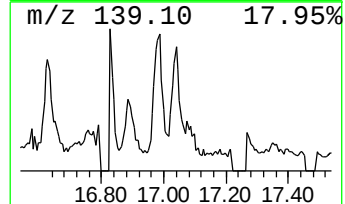
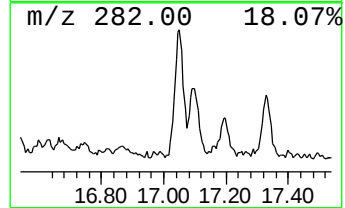
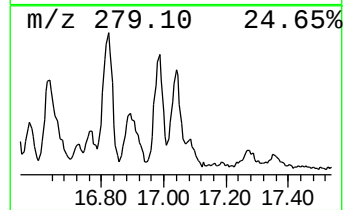
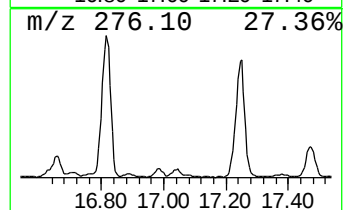
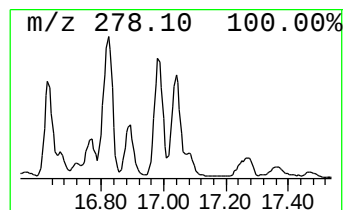
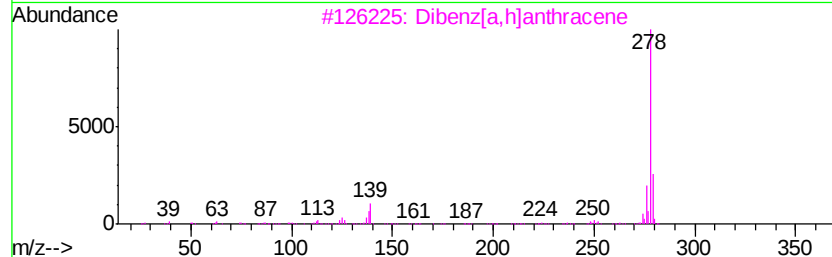
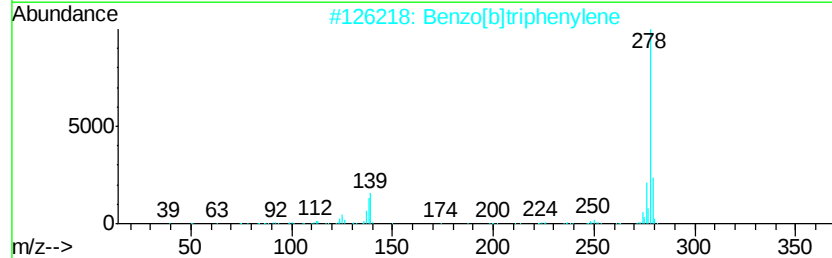
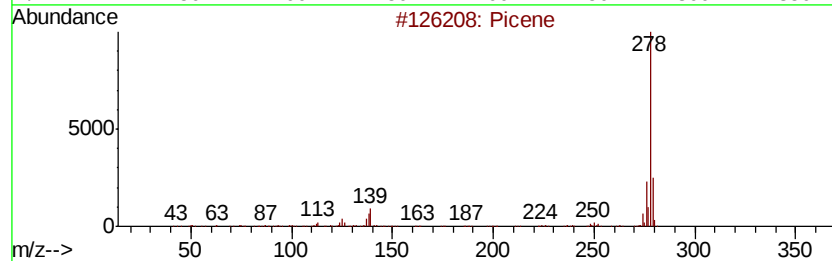
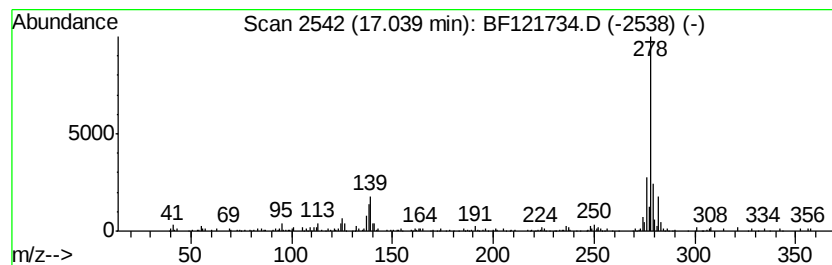
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Picene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	3.53 ng	143203	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	96
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	95
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	93
5		Pentacene	278	C22H14	000135-48-8	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092920\
 Data File : BF121734.D
 Acq On : 29 Sep 2020 16:48
 Operator : JU/CG
 Sample : L4172-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-7(12-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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
Ethanol, 2-(2-eth...	6.62	2.7 ng		111684	1	6.78	839306	20.0
unknown10.73	10.73	2.6 ng		169720	4	11.31	1316700	20.0
9H-Fluorene, 2-me...	10.92	2.5 ng		165378	4	11.31	1316700	20.0
9H-Fluoren-9-one	11.11	2.6 ng		174599	4	11.31	1316700	20.0
Anthracene, 1,2,3...	11.17	3.1 ng		207324	4	11.31	1316700	20.0
Naphtho[2,3-b]thi...	11.20	4.6 ng		302984	4	11.31	1316700	20.0
Anthracene, 2-met...	11.81	5.1 ng		336104	4	11.31	1316700	20.0
Phenanthrene, 2-m...	11.83	7.6 ng		498472	4	11.31	1316700	20.0
Anthracene, 1-met...	11.88	2.5 ng		165263	4	11.31	1316700	20.0
4H-Cyclopenta[def...	11.92	11.0 ng		726367	4	11.31	1316700	20.0
1H-Cyclopropa[l]p...	11.94	3.0 ng		198386	4	11.31	1316700	20.0
5,16[1',2']:8,13[...	12.10	4.0 ng		262469	4	11.31	1316700	20.0
9,10-Anthracenedione	12.13	5.0 ng		328858	4	11.31	1316700	20.0
Phenanthrene, 2,5...	12.36	3.3 ng		214324	4	11.31	1316700	20.0
Cyclopenta(def)ph...	12.45	3.5 ng		229424	4	11.31	1316700	20.0
11H-Benzo[b]fluorene	13.07	3.2 ng		538126	5	13.95	3326990	20.0
11H-Benzo[a]fluor...	13.79	3.1 ng		521723	5	13.95	3326990	20.0
Benzo[e]pyrene	15.27	22.3 ng		902687	6	15.39	810778	20.0
Picene	17.04	3.5 ng		143203	6	15.39	810778	20.0