

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040620\
 Data File : BF119828.D
 Acq On : 7 Apr 2020 17:57
 Operator : MA/SJ
 Sample : L2146-12
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-65-COMP

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-BF031820.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	5.398	558	563	566	rBV	3309016	2991151	60.80%	4.398%
2	6.422	731	737	745	rBV	2863667	2892088	58.78%	4.252%
3	6.786	795	799	802	rBV	1048786	786232	15.98%	1.156%
4	6.945	821	826	829	rBV	2448246	2138391	43.46%	3.144%
5	7.351	890	895	898	rBV	1921343	1723894	35.04%	2.535%
6	8.075	1013	1018	1020	rBV	1089858	963144	19.58%	1.416%
7	9.151	1196	1201	1204	rBV	3865691	3088483	62.77%	4.541%
8	9.410	1239	1245	1250	rBV	64430	86222	1.75%	0.127%
9	9.486	1254	1258	1261	rVV	127950	128036	2.60%	0.188%
10	9.545	1265	1268	1272	rVV	507386	412387	8.38%	0.606%
11	9.604	1275	1278	1283	rVB	70384	73368	1.49%	0.108%
12	9.692	1289	1293	1298	rBV	580573	494043	10.04%	0.726%
13	9.827	1310	1316	1319	rBV	1064656	984909	20.02%	1.448%
14	9.863	1319	1322	1325	rVB	152250	118700	2.41%	0.175%
15	10.033	1347	1351	1355	rBV	222444	180828	3.68%	0.266%
16	10.074	1355	1358	1365	rVB	77806	75886	1.54%	0.112%
17	10.145	1366	1370	1373	rBV2	79062	80638	1.64%	0.119%
18	10.374	1406	1409	1415	rVB	339807	325704	6.62%	0.479%
19	10.533	1434	1436	1439	rBV	125289	108667	2.21%	0.160%
20	10.621	1445	1451	1455	rBV	1903987	1859912	37.80%	2.735%
21	10.745	1467	1472	1476	rVB2	123020	149420	3.04%	0.220%
22	10.927	1498	1503	1506	rBV3	142551	176686	3.59%	0.260%
23	11.057	1520	1525	1527	rVV3	103658	124251	2.53%	0.183%
24	11.080	1527	1529	1533	rVV	129833	149941	3.05%	0.220%
25	11.121	1533	1536	1540	rVV	227821	222382	4.52%	0.327%
26	11.168	1540	1544	1546	rVV	118776	139323	2.83%	0.205%
27	11.216	1549	1552	1557	rVB	212804	217204	4.41%	0.319%
28	11.321	1566	1570	1571	rBV	1067553	972930	19.78%	1.430%
29	11.345	1571	1574	1577	rVV	3445457	2820459	57.33%	4.147%
30	11.392	1579	1582	1585	rVV	917759	809380	16.45%	1.190%
31	11.427	1585	1588	1592	rVB3	110073	110692	2.25%	0.163%
32	11.551	1602	1609	1611	rBV2	156107	198455	4.03%	0.292%
33	11.616	1617	1620	1623	rVB	129998	98989	2.01%	0.146%
34	11.651	1623	1626	1631	rVB3	140630	124521	2.53%	0.183%

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35	11.821	1649	1655	1657	rBV	509733	455741	9.26%	0.670%
36	11.851	1657	1660	1664	rVV	818113	680900	13.84%	1.001%
37	11.898	1664	1668	1670	rVV	270742	225086	4.57%	0.331%
38	11.933	1670	1674	1676	rVV	880888	885914	18.01%	1.303%
39	11.957	1676	1678	1682	rVB	408547	320125	6.51%	0.471%
40	12.004	1682	1686	1688	rBV3	61330	73957	1.50%	0.109%
41	12.115	1703	1705	1707	rVV	351707	296625	6.03%	0.436%
42	12.139	1707	1709	1713	rVB2	292490	255778	5.20%	0.376%
43	12.268	1729	1731	1734	rVB2	102097	76028	1.55%	0.112%
44	12.298	1734	1736	1738	rBV	120904	89675	1.82%	0.132%
45	12.321	1738	1740	1743	rVB	126167	94583	1.92%	0.139%
46	12.374	1743	1749	1752	rBV	319917	413361	8.40%	0.608%
47	12.410	1752	1755	1757	rVV2	221561	250623	5.09%	0.368%
48	12.427	1757	1758	1760	rVV	104014	76619	1.56%	0.113%
49	12.457	1760	1763	1768	rVB	385923	425967	8.66%	0.626%
50	12.545	1772	1778	1781	rBV	4620133	4758990	96.73%	6.997%
51	12.580	1781	1784	1786	rVV	133082	161423	3.28%	0.237%
52	12.627	1790	1792	1795	rVV	294885	277201	5.63%	0.408%
53	12.668	1795	1799	1800	rVV	146793	167167	3.40%	0.246%
54	12.686	1800	1802	1810	rVV2	188997	280498	5.70%	0.412%
55	12.768	1810	1816	1821	rVV2	3947938	4919995	100.00%	7.234%
56	12.810	1821	1823	1829	rVB2	233135	291202	5.92%	0.428%
57	12.880	1832	1835	1837	rVV	307743	313257	6.37%	0.461%
58	12.910	1837	1840	1847	rVB	3188567	2905948	59.06%	4.273%
59	12.986	1847	1853	1856	rBV3	384982	627099	12.75%	0.922%
60	13.015	1856	1858	1860	rVV	91651	80345	1.63%	0.118%
61	13.039	1860	1862	1864	rVV3	75345	86868	1.77%	0.128%
62	13.068	1864	1867	1869	rVV3	345950	462126	9.39%	0.679%
63	13.092	1869	1871	1874	rVB	768447	644965	13.11%	0.948%
64	13.157	1879	1882	1885	rVB	415631	371367	7.55%	0.546%
65	13.198	1885	1889	1892	rBV2	577940	575264	11.69%	0.846%
66	13.257	1896	1899	1902	rBV3	120905	170469	3.46%	0.251%
67	13.286	1902	1904	1907	rVB	263655	237240	4.82%	0.349%
68	13.321	1907	1910	1913	rBV	289014	283508	5.76%	0.417%
69	13.392	1919	1922	1927	rVB5	162670	196580	4.00%	0.289%
70	13.492	1932	1939	1941	rBV6	159046	316557	6.43%	0.465%
71	13.574	1950	1953	1954	rBV2	89441	88630	1.80%	0.130%

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72	13.598	1954	1957	1962	rVB	458741	485997	9.88%	0.715%
73	13.709	1972	1976	1979	rBV2	427542	544076	11.06%	0.800%
74	13.739	1979	1981	1983	rVV	459807	384103	7.81%	0.565%
75	13.762	1983	1985	1990	rVV2	375149	509662	10.36%	0.749%
76	13.809	1990	1993	1998	rVV2	641113	674578	13.71%	0.992%
77	13.957	2011	2018	2022	rBV2	2451270	3525650	71.66%	5.184%
78	13.992	2022	2024	2029	rVV	2088992	1950422	39.64%	2.868%
79	14.068	2032	2037	2039	rVV2	226995	248967	5.06%	0.366%
80	14.104	2041	2043	2045	rVV	207539	212051	4.31%	0.312%
81	14.133	2045	2048	2049	rVV3	149173	177921	3.62%	0.262%
82	14.186	2053	2057	2061	rVV2	173477	254022	5.16%	0.373%
83	14.221	2061	2063	2065	rVB	105333	82090	1.67%	0.121%
84	14.315	2076	2079	2080	rBV	130921	110286	2.24%	0.162%
85	14.351	2082	2085	2088	rVV	467802	440958	8.96%	0.648%
86	14.386	2088	2091	2094	rVB2	284258	268568	5.46%	0.395%
87	14.439	2097	2100	2103	rVV3	252319	327149	6.65%	0.481%
88	14.474	2103	2106	2108	rVV2	285190	268326	5.45%	0.395%
89	14.498	2108	2110	2113	rVB3	202990	183738	3.73%	0.270%
90	14.739	2148	2151	2154	rVB2	119342	117400	2.39%	0.173%
91	15.004	2190	2196	2198	rBV	1434493	2278743	46.32%	3.350%
92	15.074	2205	2208	2210	rBV2	80005	93553	1.90%	0.138%
93	15.098	2210	2212	2216	rVB	296117	313956	6.38%	0.462%
94	15.298	2240	2246	2251	rVB	867729	1222433	24.85%	1.797%
95	15.356	2251	2256	2261	rVV	1352303	1613030	32.79%	2.372%
96	15.415	2262	2266	2269	rVV	466548	630990	12.83%	0.928%
97	15.445	2269	2271	2278	rVB2	403639	505133	10.27%	0.743%
98	16.850	2504	2510	2518	rVB2	520652	965543	19.62%	1.420%
99	17.021	2533	2539	2543	rBV2	138214	316044	6.42%	0.465%
100	17.280	2578	2583	2589	rBV	349150	643385	13.08%	0.946%

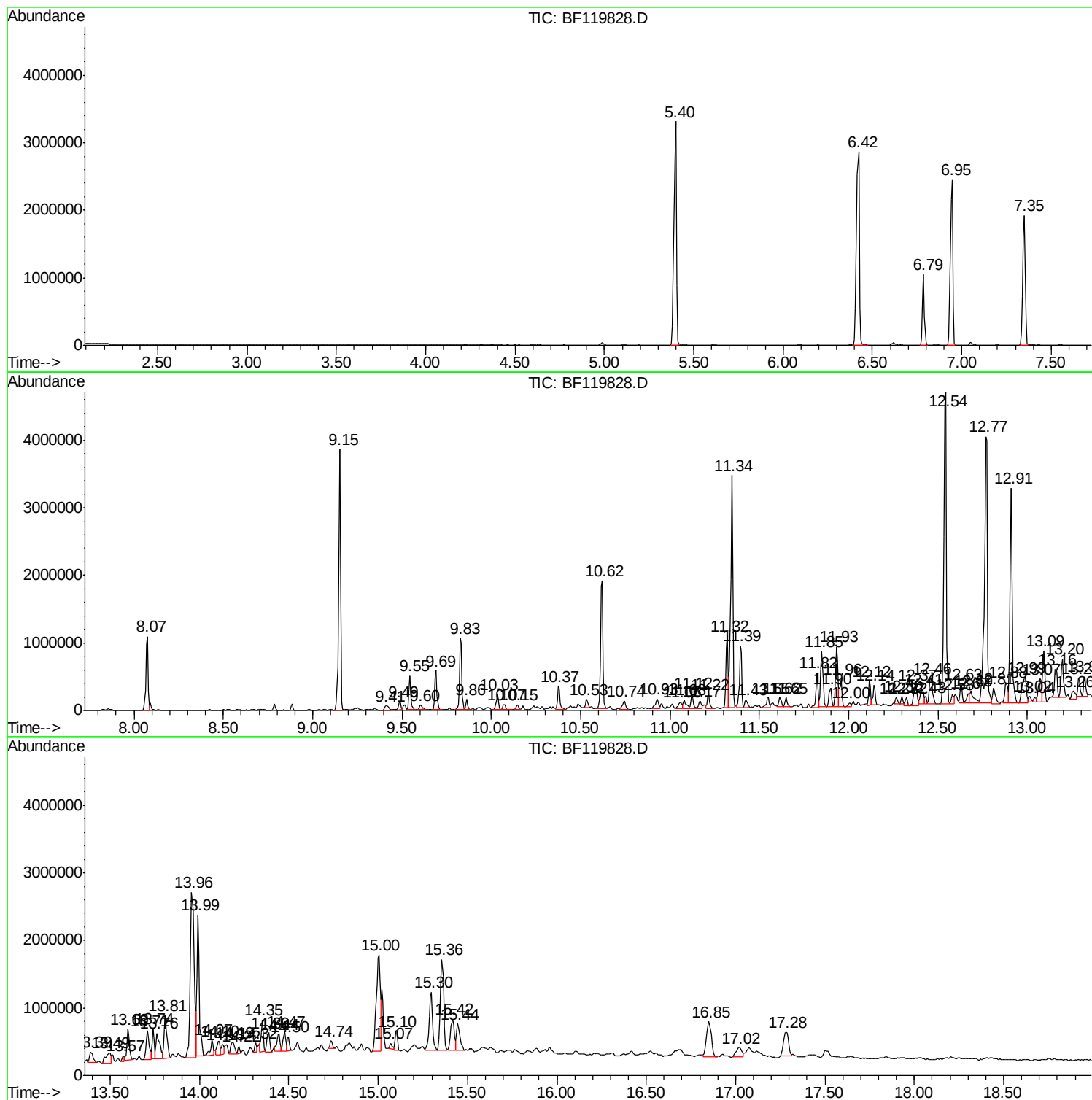
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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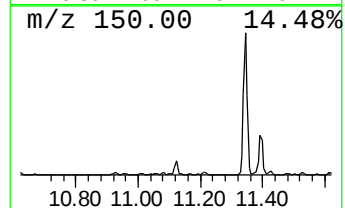
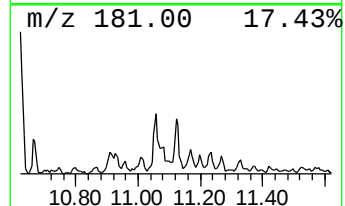
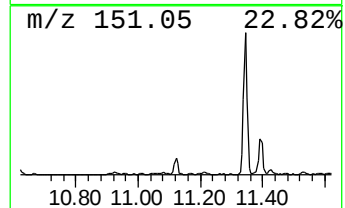
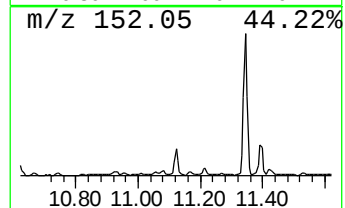
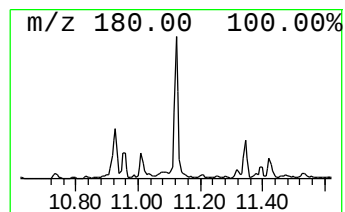
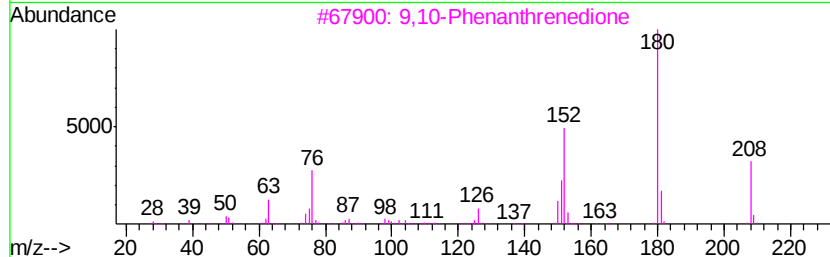
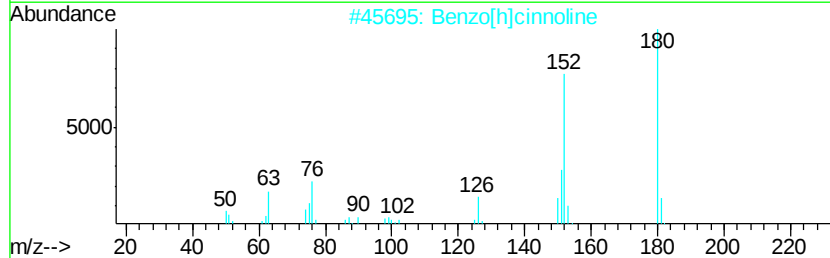
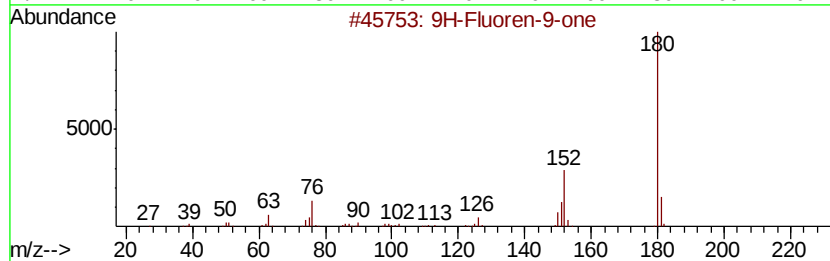
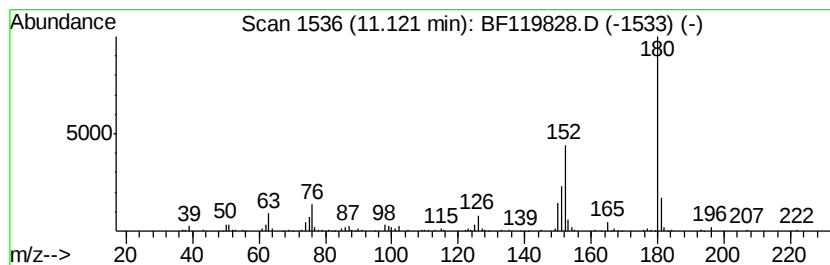
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	4.57 ng	222382	Phenanthrene-d10	11.32

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	91
3			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4			2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	72
5			6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	59



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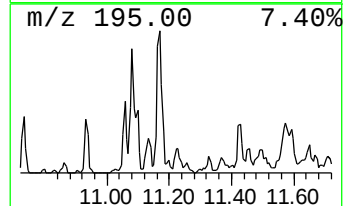
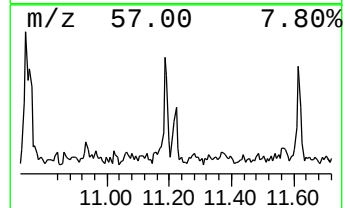
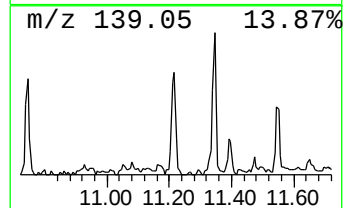
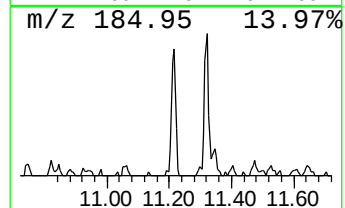
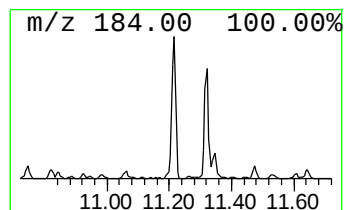
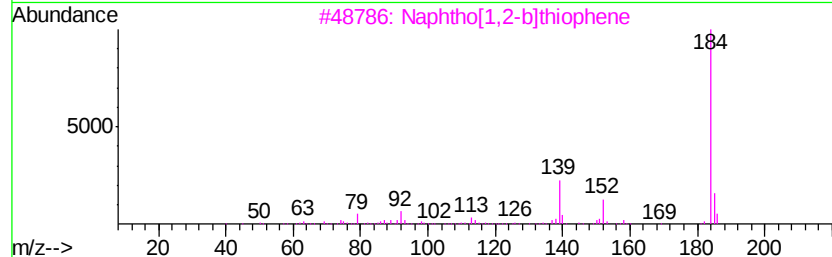
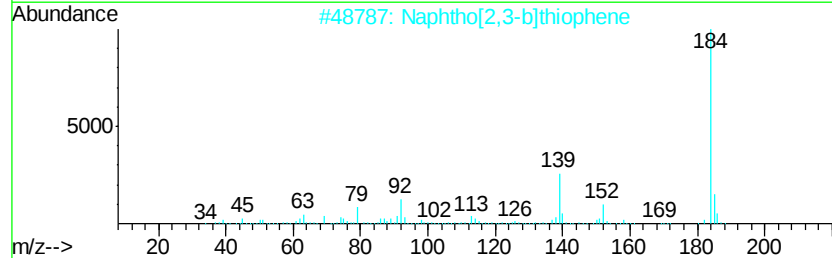
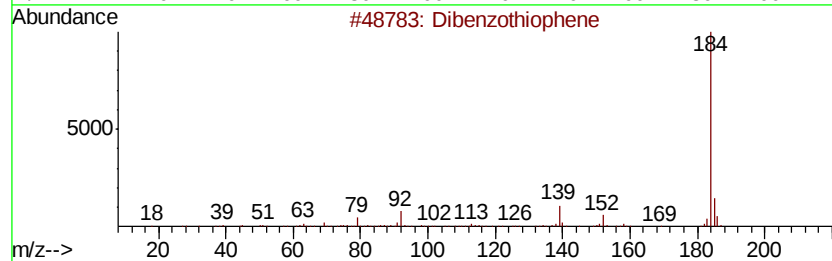
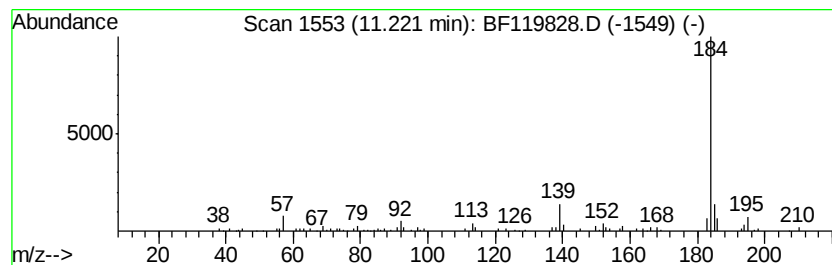
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	4.46 ng	217204	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	95
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	83



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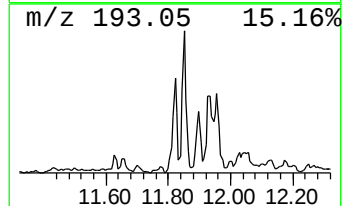
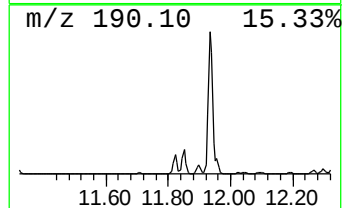
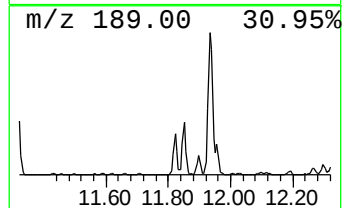
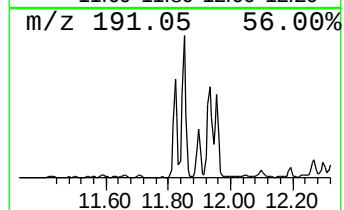
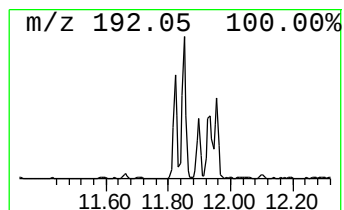
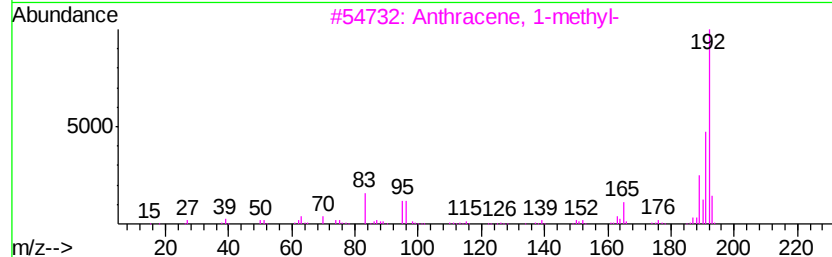
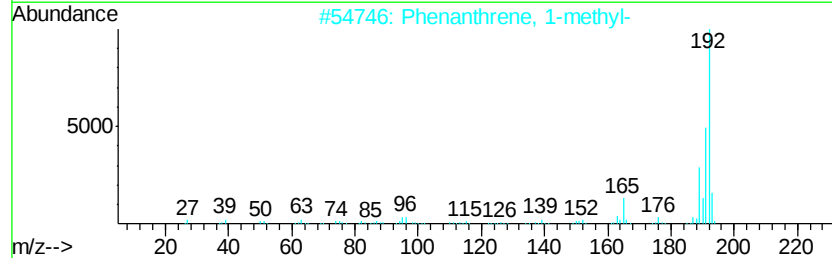
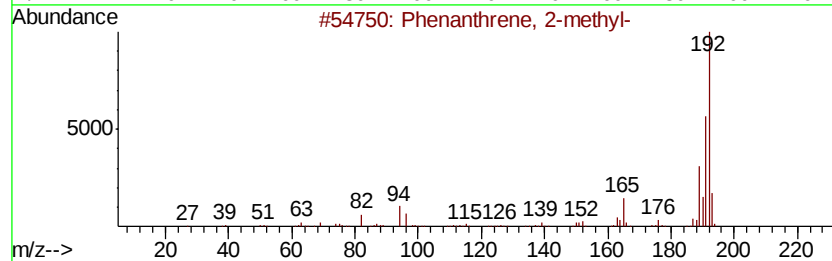
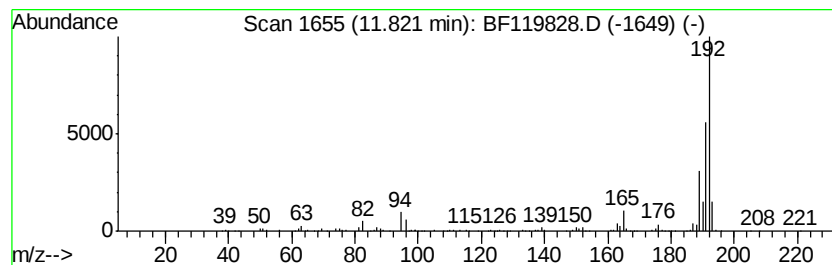
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TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.82	9.37 ng	455741	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119828.D
Acq On : 7 Apr 2020 17:57
Operator : MA/SJ
Sample : L2146-12
Misc :
ALS Vial : 61 Sample Multiplier: 1

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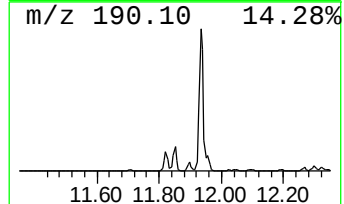
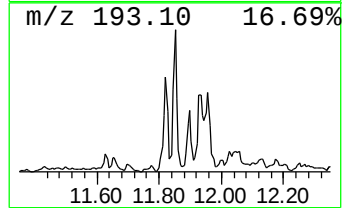
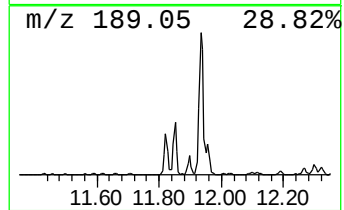
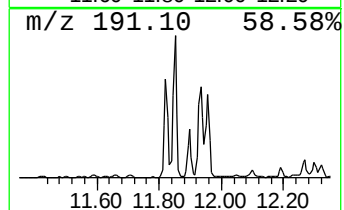
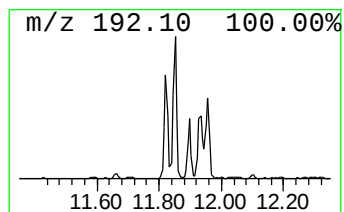
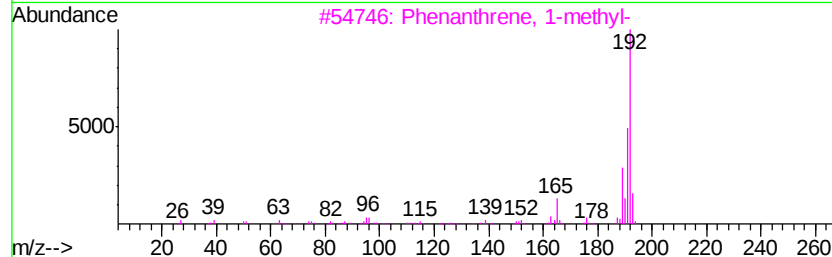
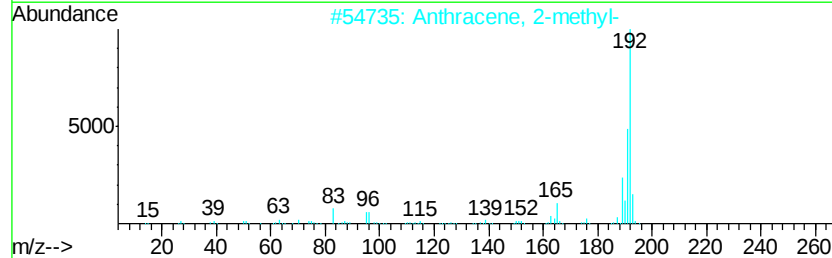
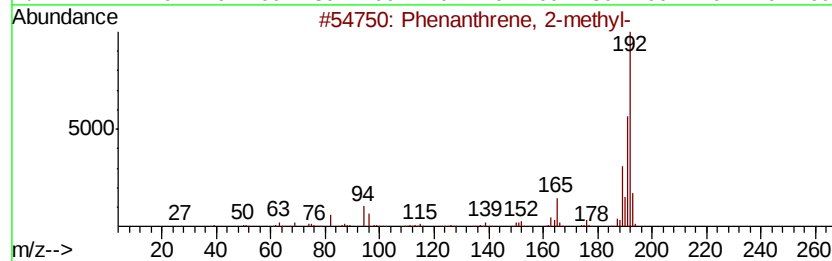
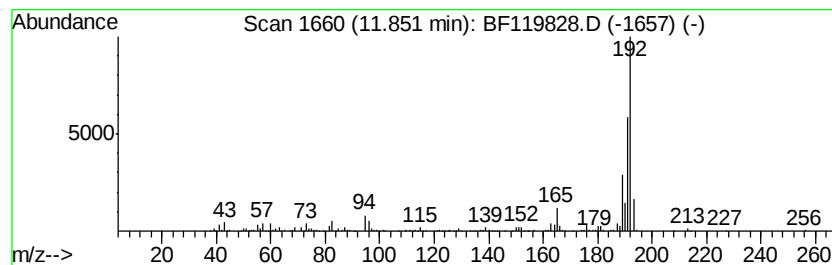
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	14.00 ng	680900	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	94
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



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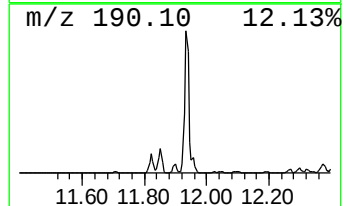
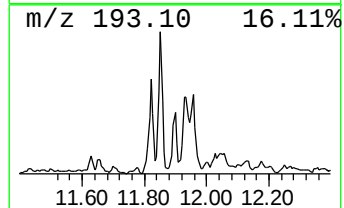
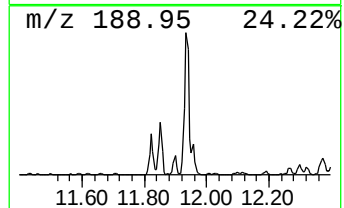
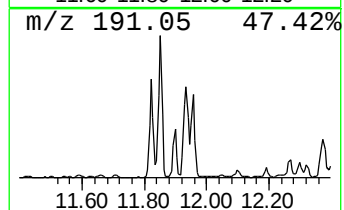
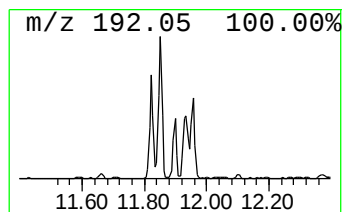
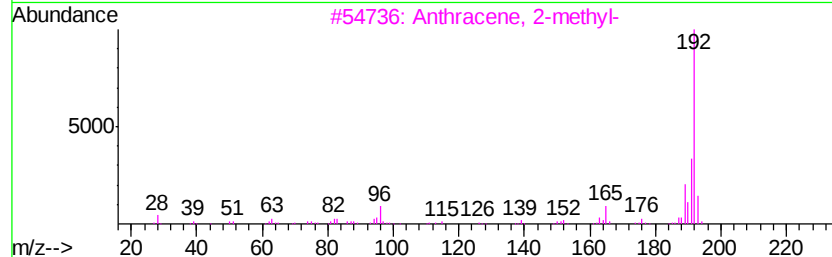
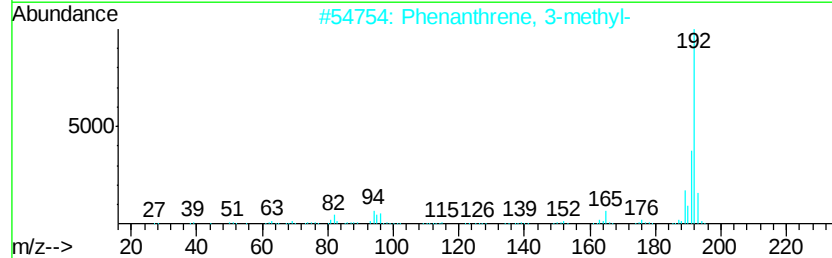
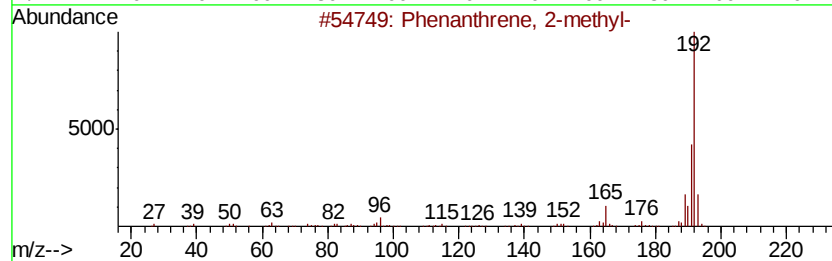
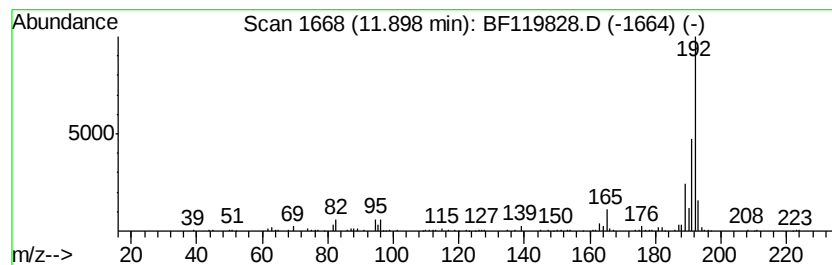
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.90	4.63 ng	225086	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119828.D
Acq On : 7 Apr 2020 17:57
Operator : MA/SJ
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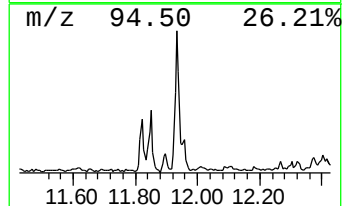
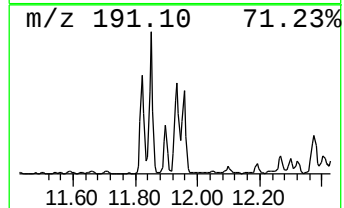
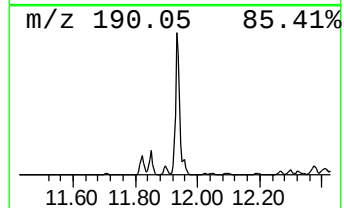
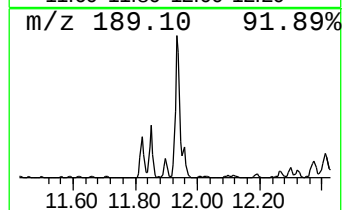
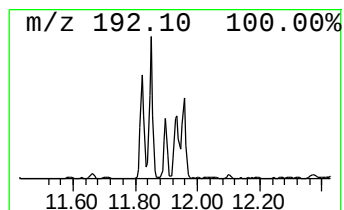
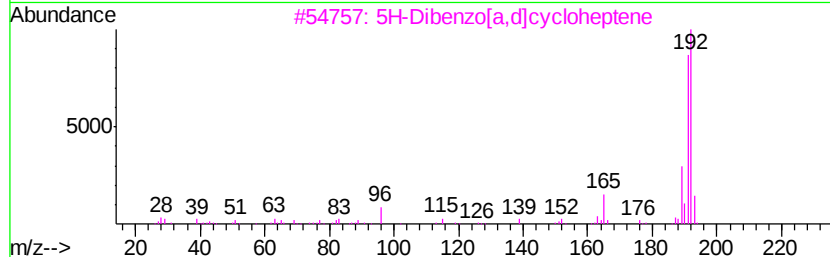
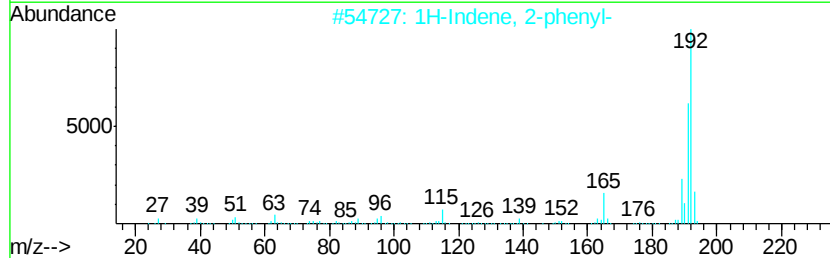
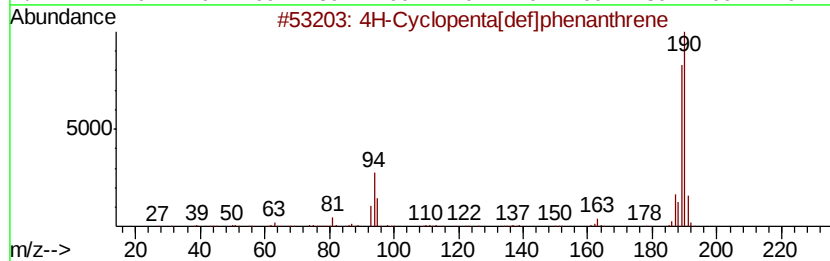
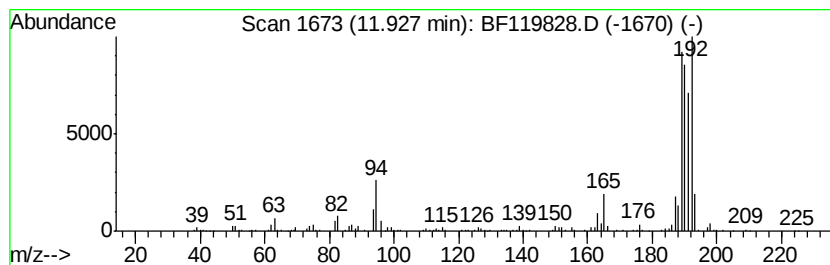
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.93	18.21 ng	885914	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22
4	Benzene, 1,1'-(2-cyclopropen-1-v...	192	C15H12	022825-21-4	22
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
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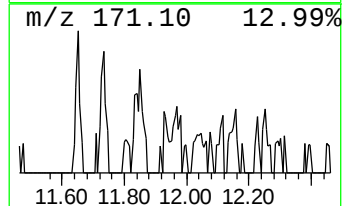
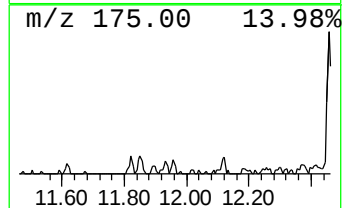
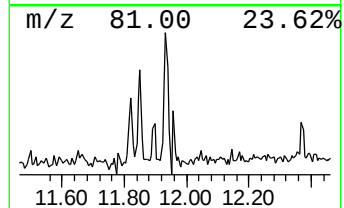
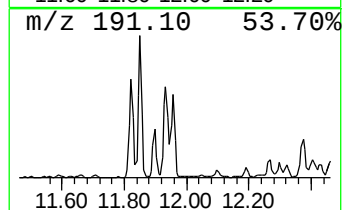
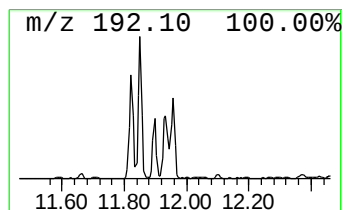
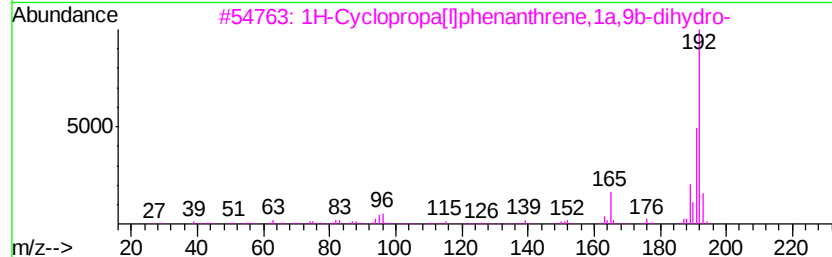
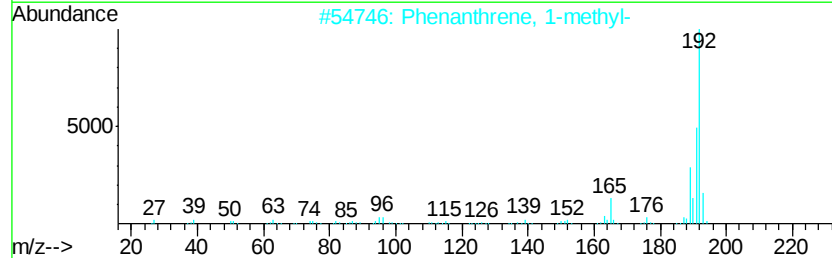
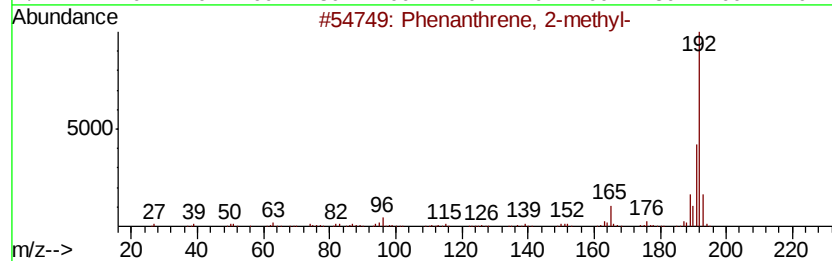
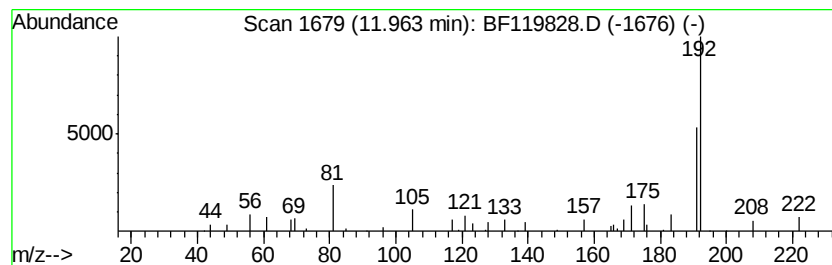
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.96	6.58 ng	320125	Phenanthrene-d10		11.32
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	1H-Cyclopropa[1,1b]phenanthrene, 1a, ...	192	C15H12	000949-41-7	86
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80



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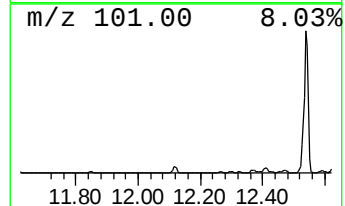
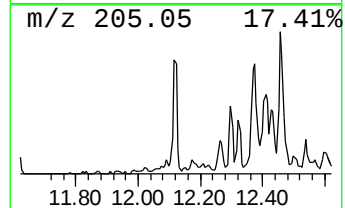
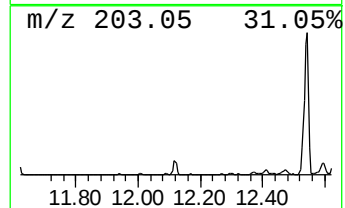
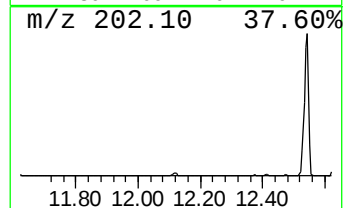
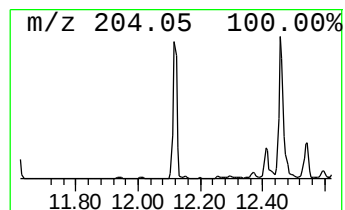
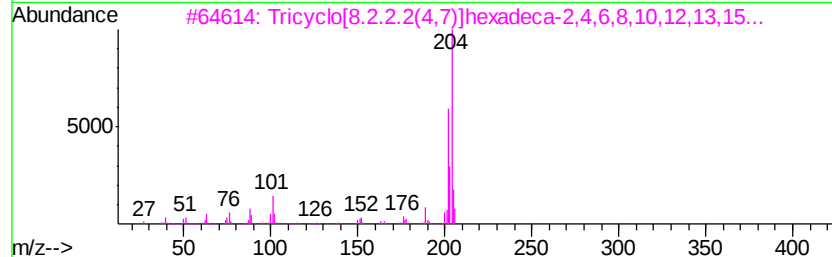
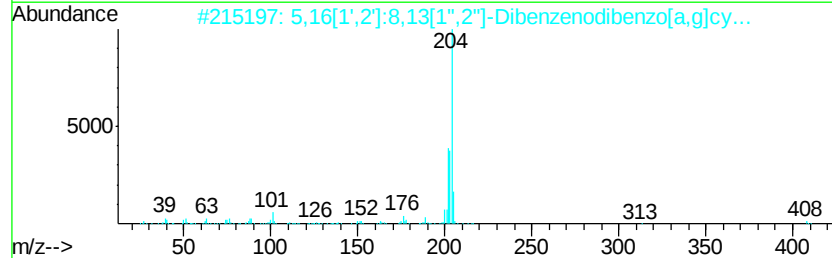
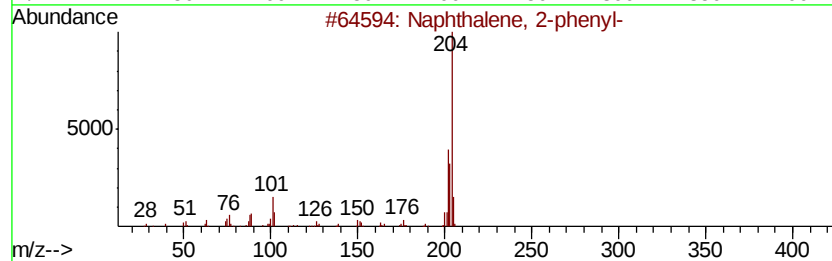
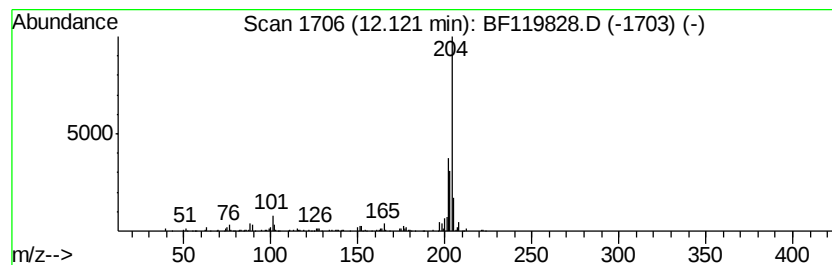
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	6.10 ng	296625	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2		5,16[1',2'][:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52



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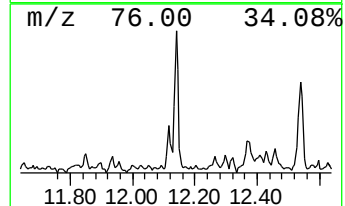
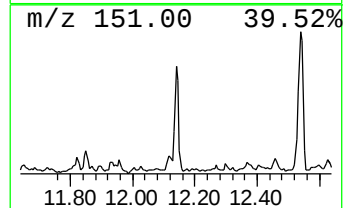
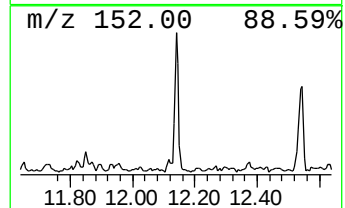
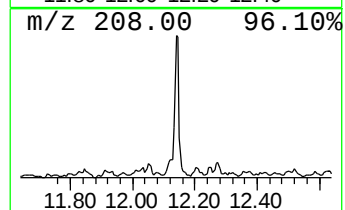
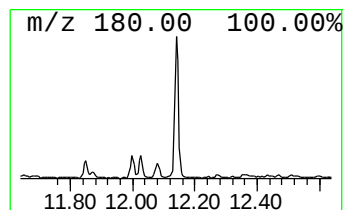
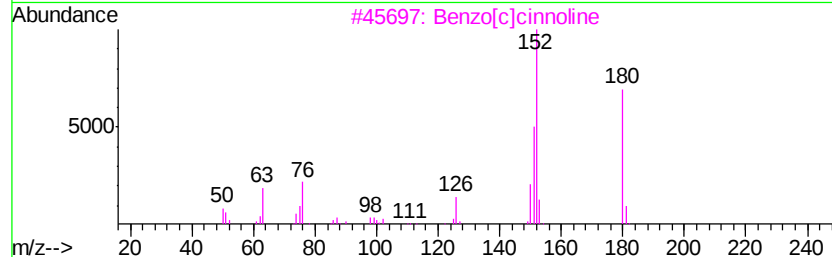
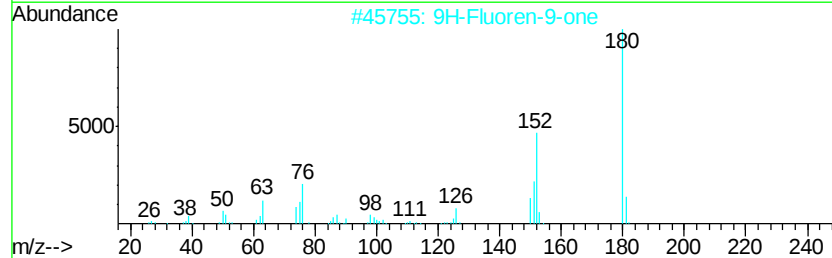
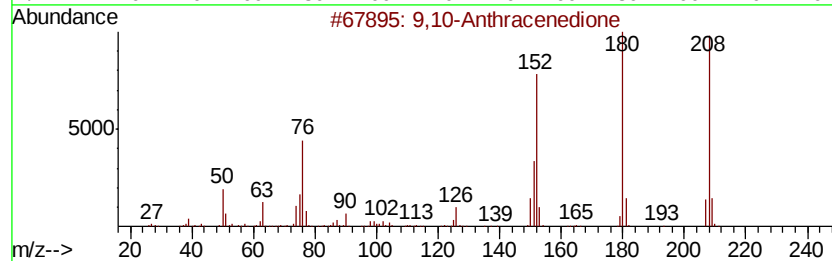
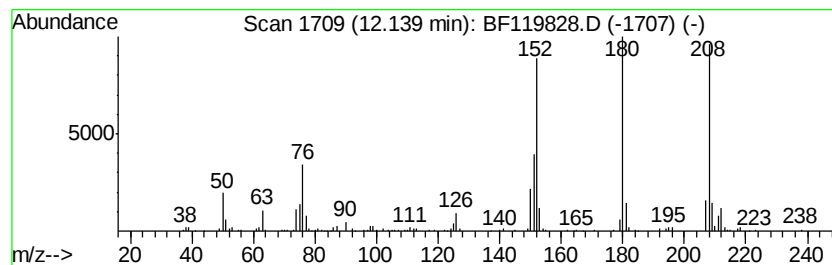
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	5.26 ng	255778	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	62
5		1H-Phenalen-1-one	180	C13H8O	000548-39-0	55



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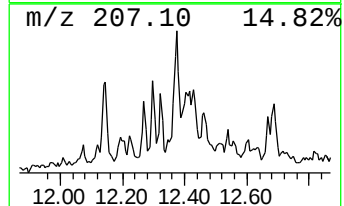
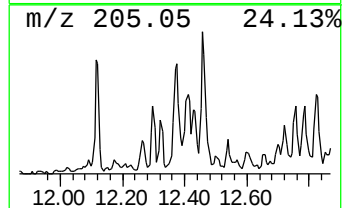
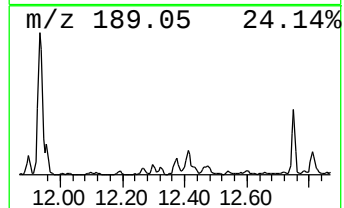
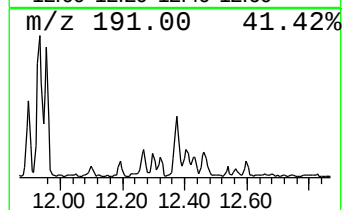
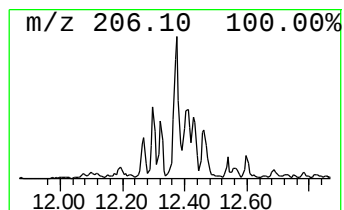
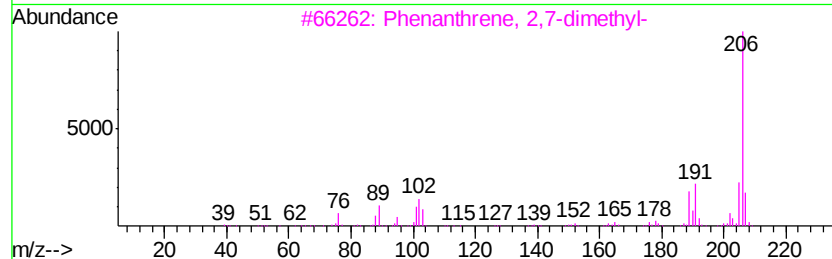
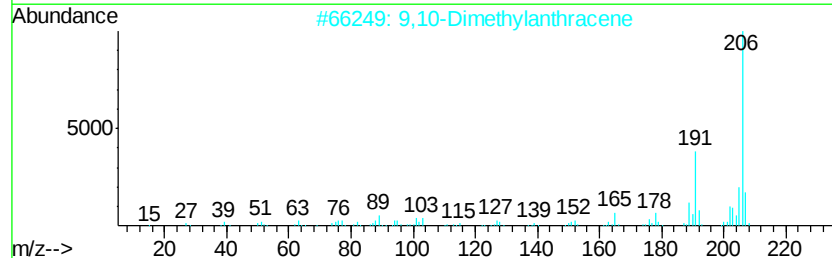
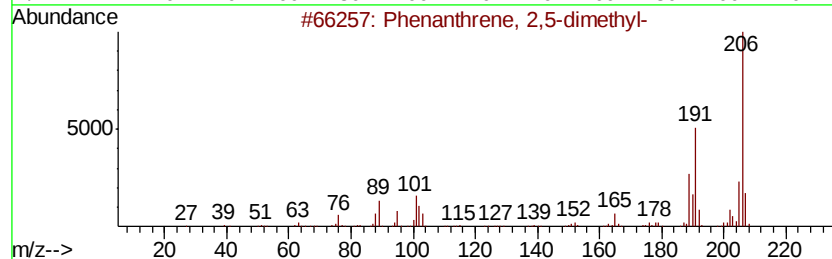
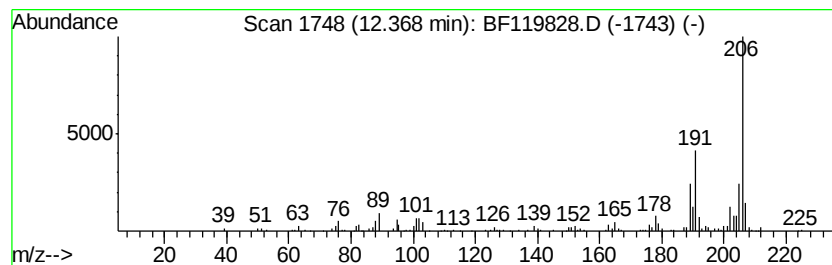
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	8.50 ng	413361	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119828.D
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Operator : MA/SJ
Sample : L2146-12
Misc :
ALS Vial : 61 Sample Multiplier: 1

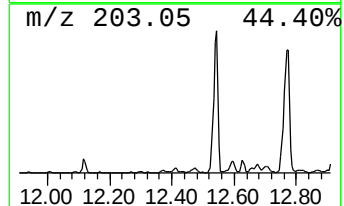
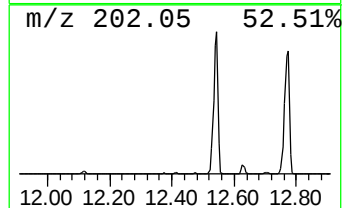
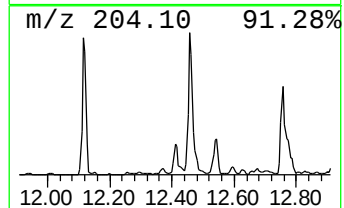
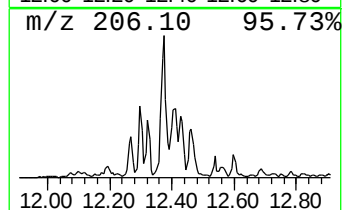
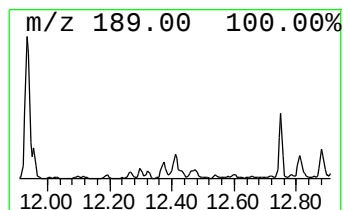
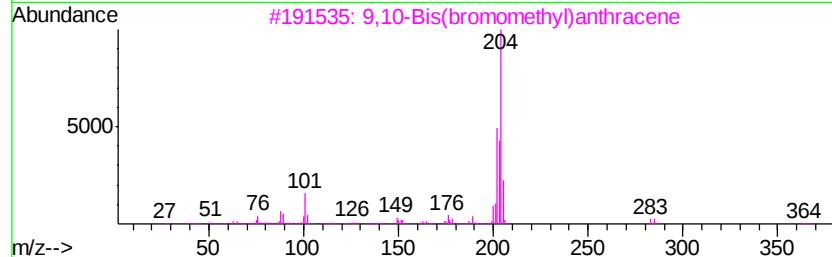
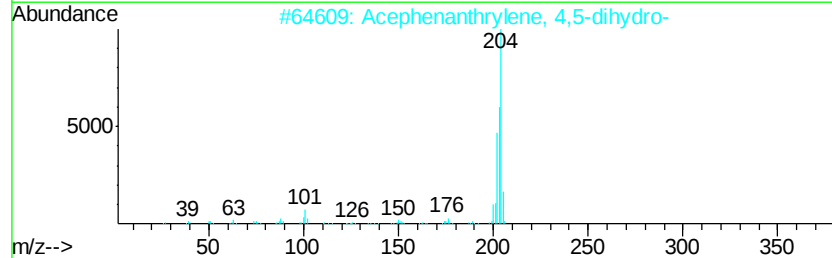
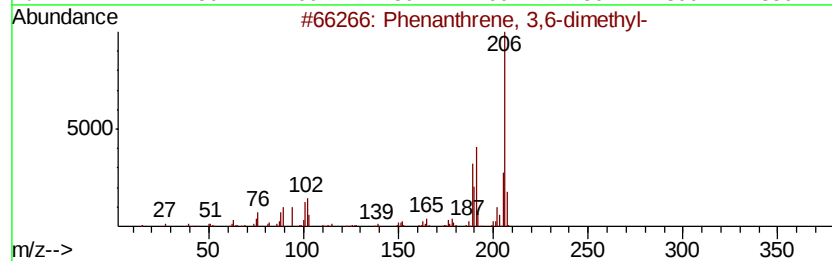
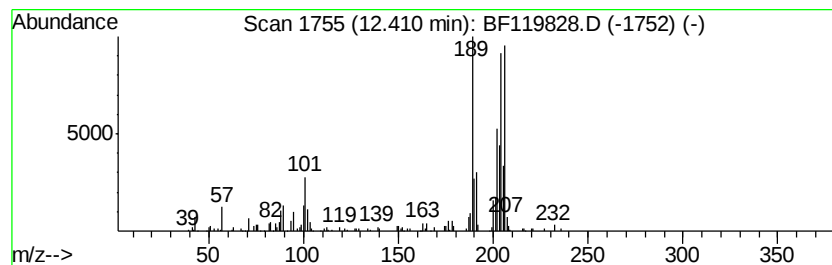
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown12.41 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.41	5.15 ng	250623	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
4	3-Benzofurancarboxylic acid, 2-e...	204	C12H12O3	040800-94-0	27
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
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Sample : L2146-12
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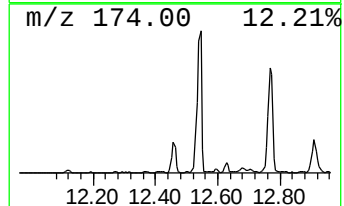
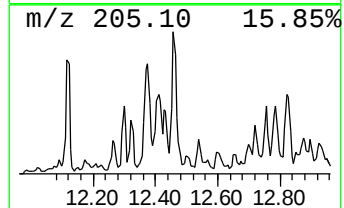
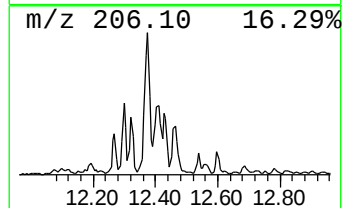
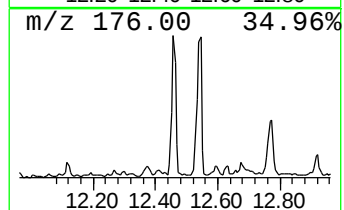
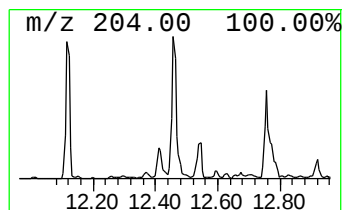
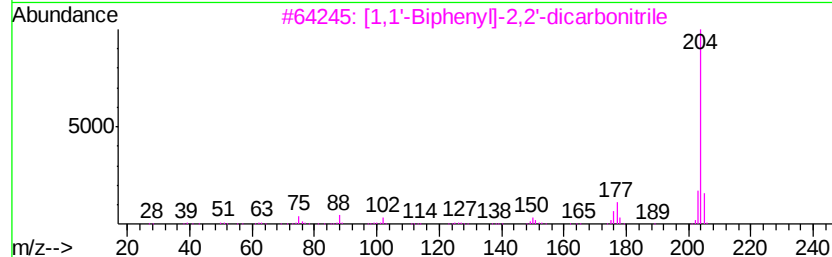
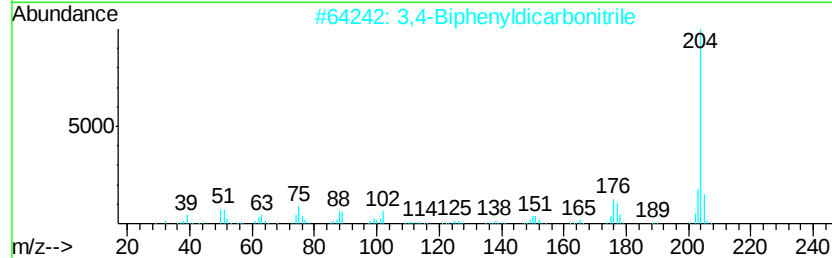
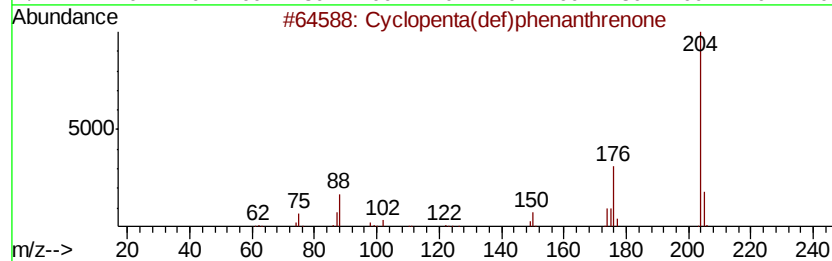
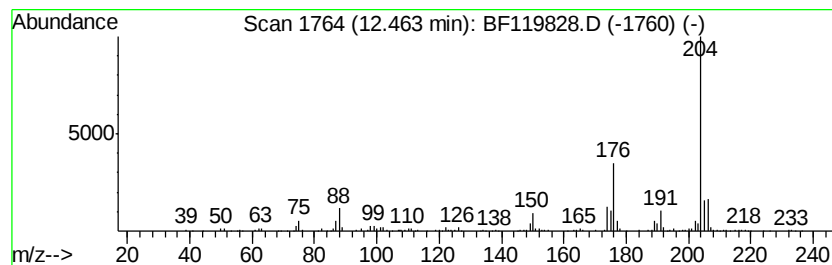
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	8.76 ng	425967	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
5		Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	49



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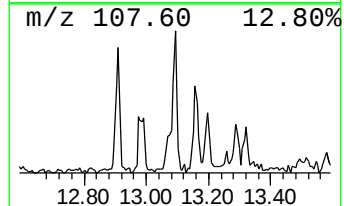
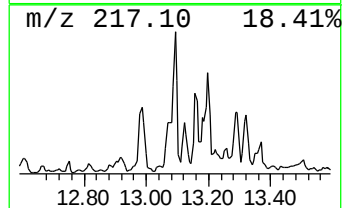
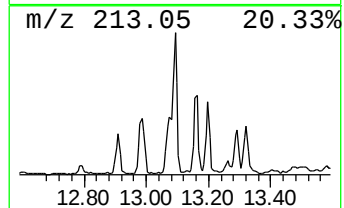
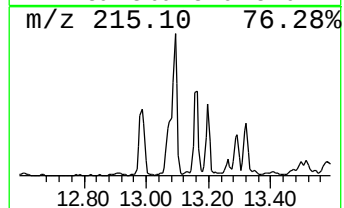
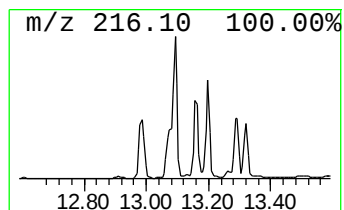
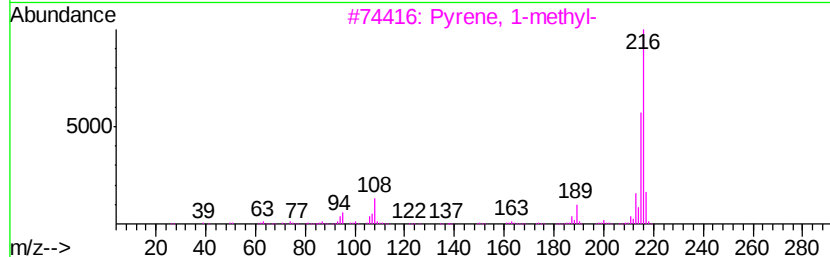
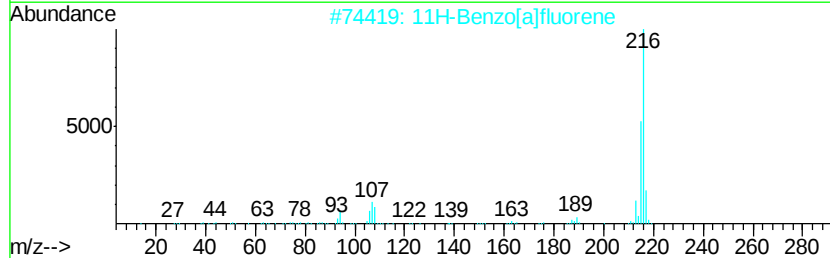
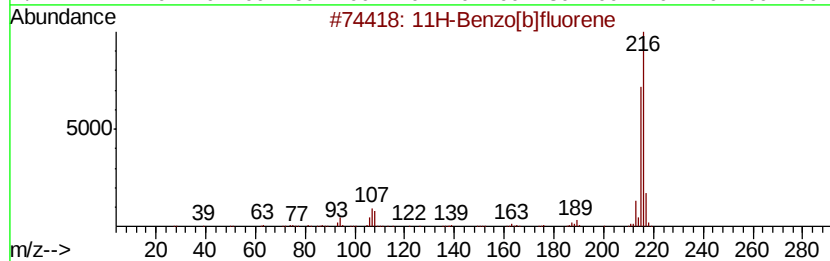
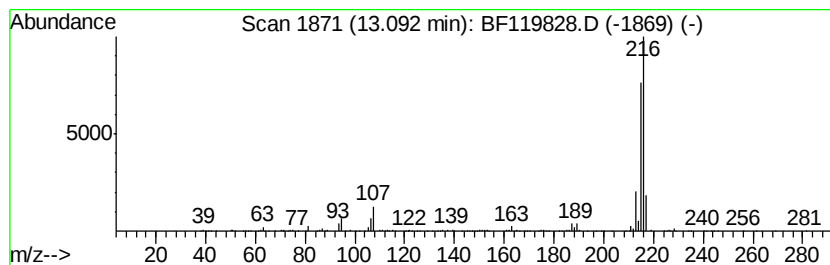
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.66 ng	644965	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	86
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5		1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64



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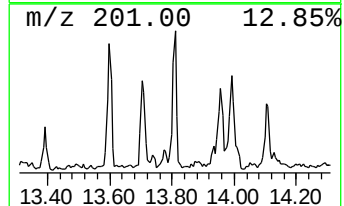
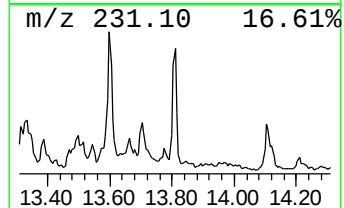
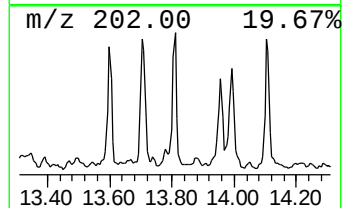
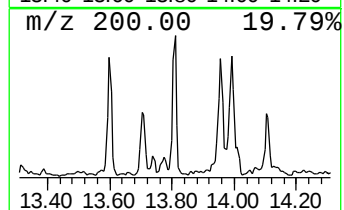
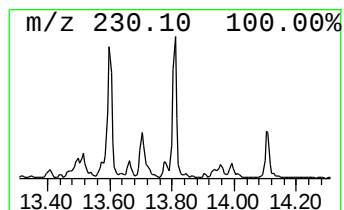
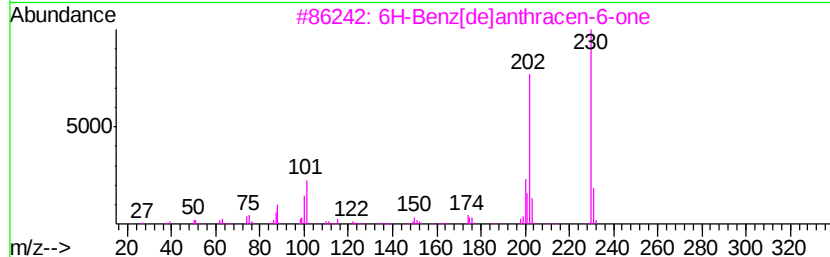
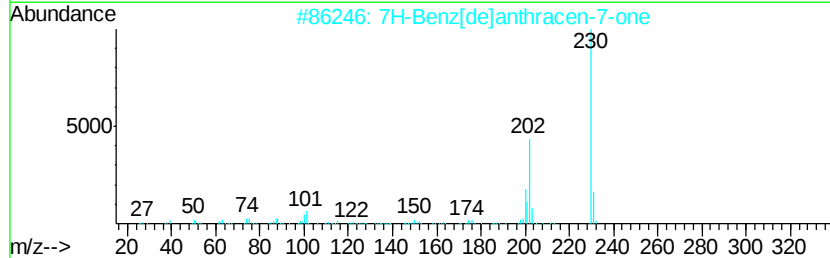
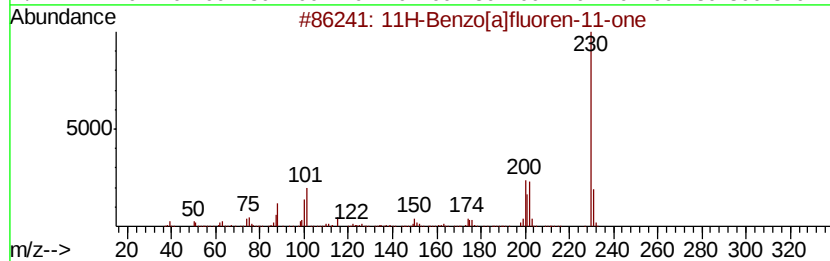
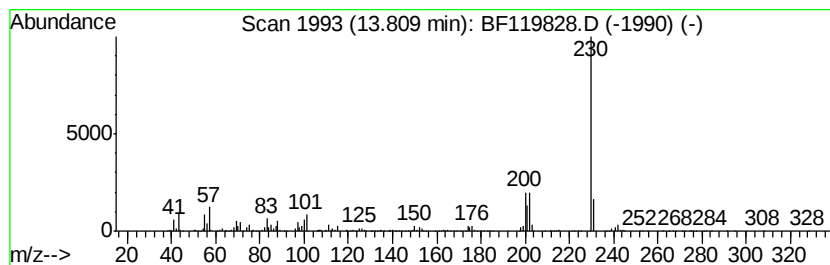
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	3.83 ng	674578	Chrysene-d12	13.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3			6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	83
4			4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
5			1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56



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Misc :
ALS Vial : 61 Sample Multiplier: 1

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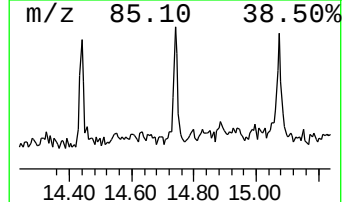
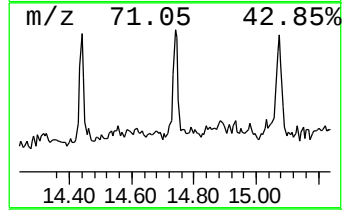
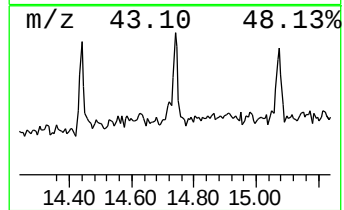
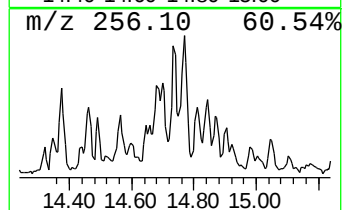
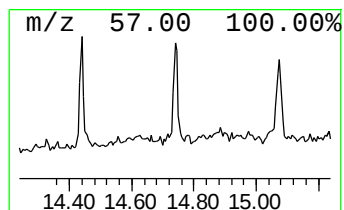
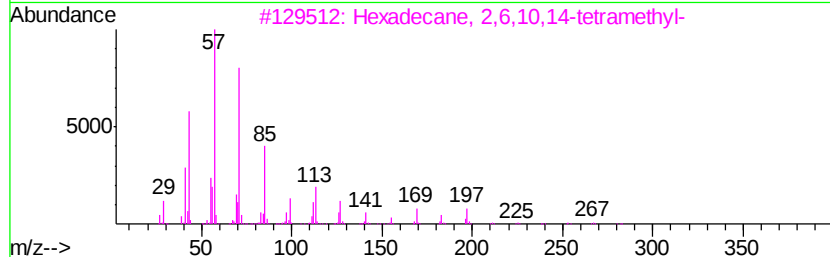
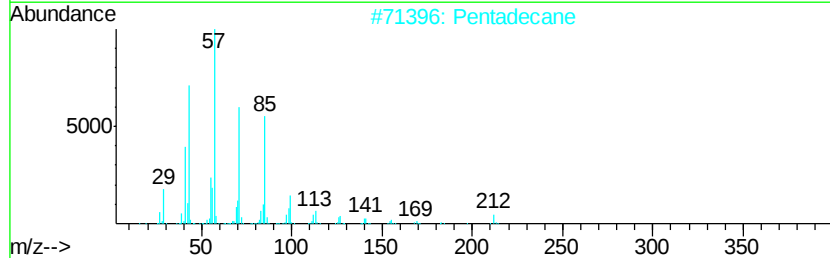
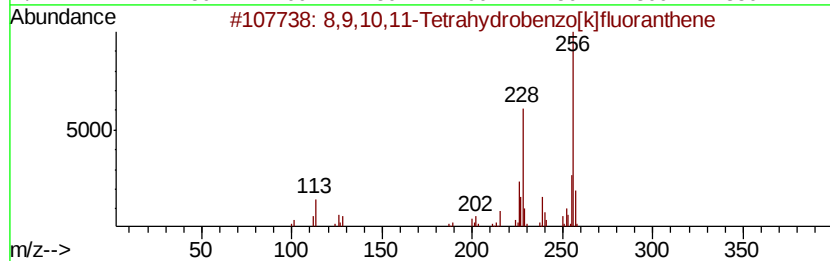
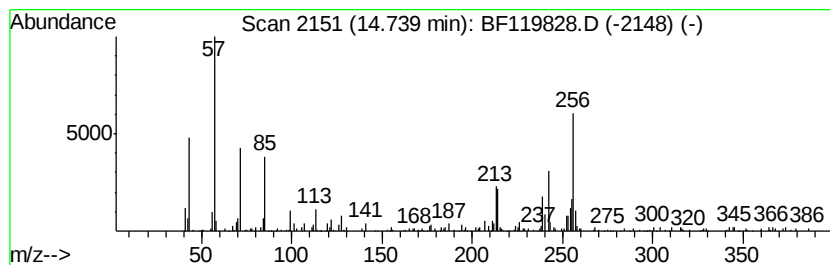
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown14.74 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	3.72 ng	117400	Perylene-d12	15.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	8,9,10,11-Tetrahydrobenzo[k]fluoranthene	256	C20H16	033942-81-3	46		
2	Pentadecane	212	C15H32	000629-62-9	38		
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	25		
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	25		
5	3-[(2-Methyl-5-nitro-phenylimino)-	256	C14H12N2O3	1000297-24-5	25		



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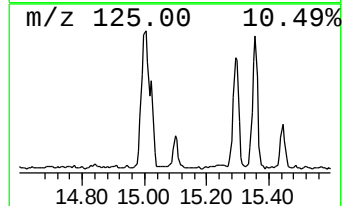
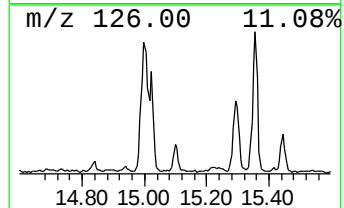
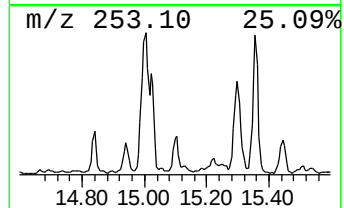
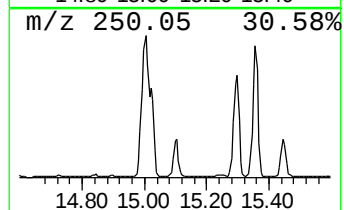
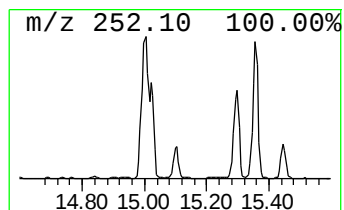
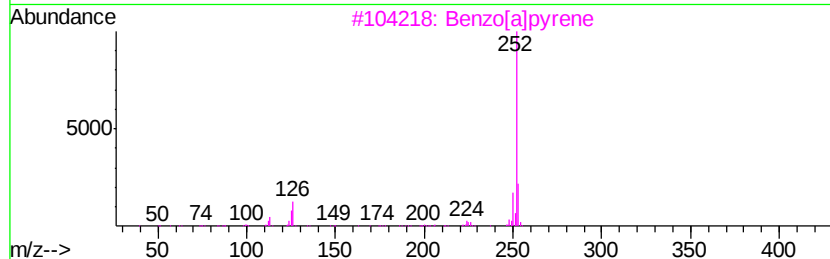
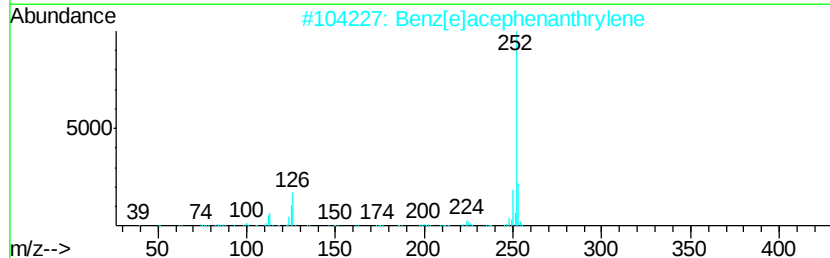
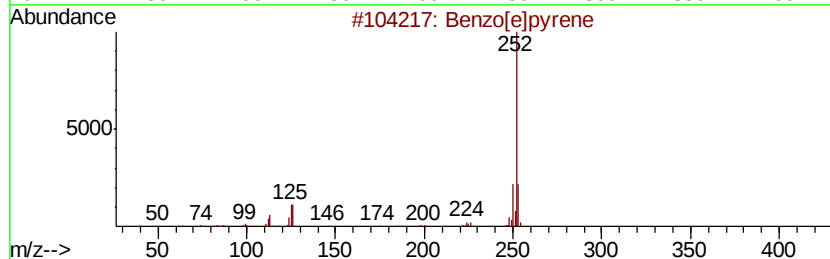
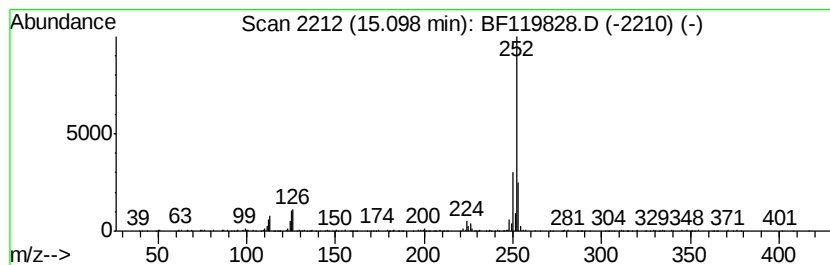
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	9.95 ng	313956	Perylene-d12	15.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
3			Benzo[a]pyrene	252	C20H12	000050-32-8	93
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



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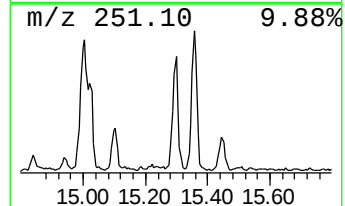
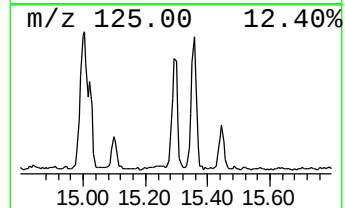
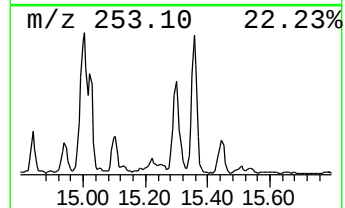
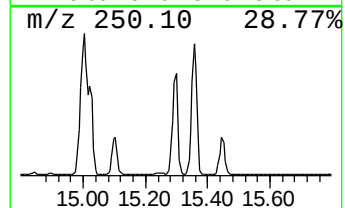
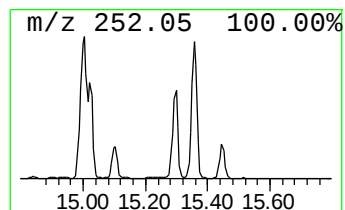
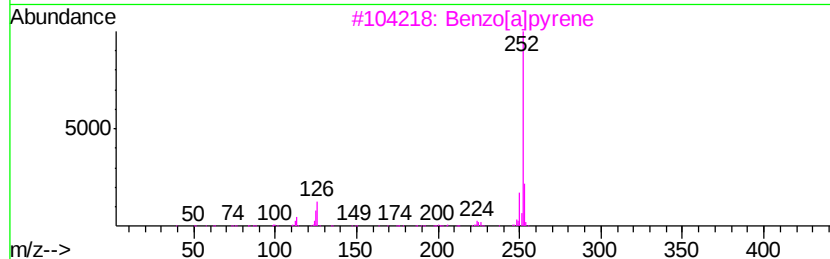
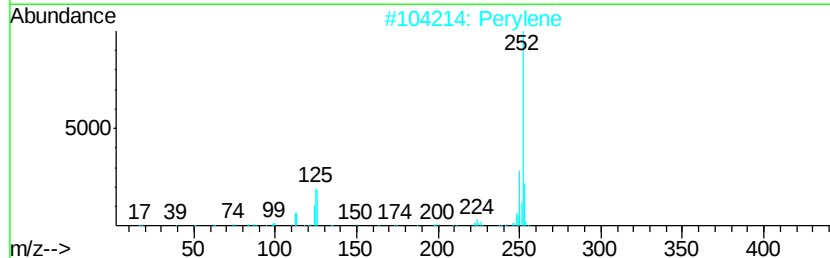
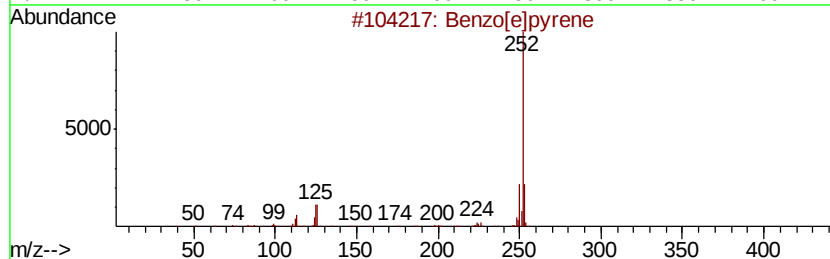
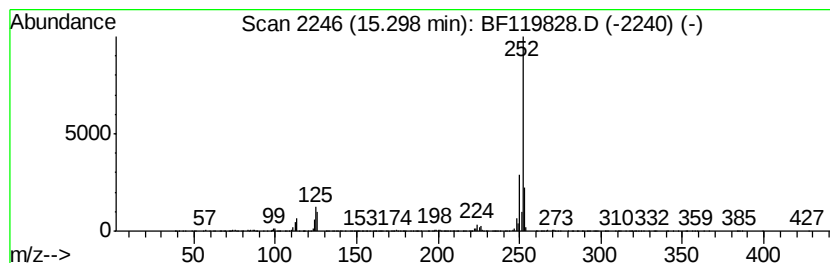
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	38.75 ng	1222430	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[el]pyrene	252	C20H12	000192-97-2	99
2		Perylene	252	C20H12	000198-55-0	97
3		Benzo[al]pyrene	252	C20H12	000050-32-8	95
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119828.D
Acq On : 7 Apr 2020 17:57
Operator : MA/SJ
Sample : L2146-12
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-65-COMP

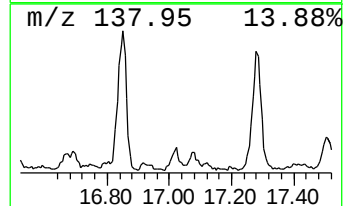
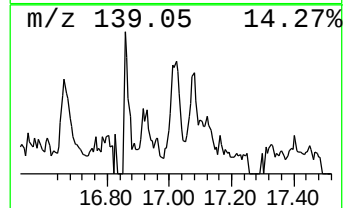
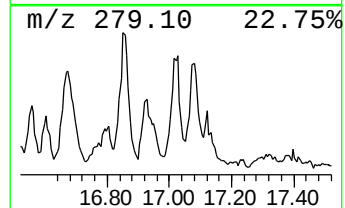
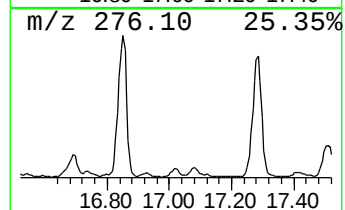
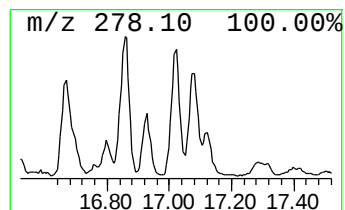
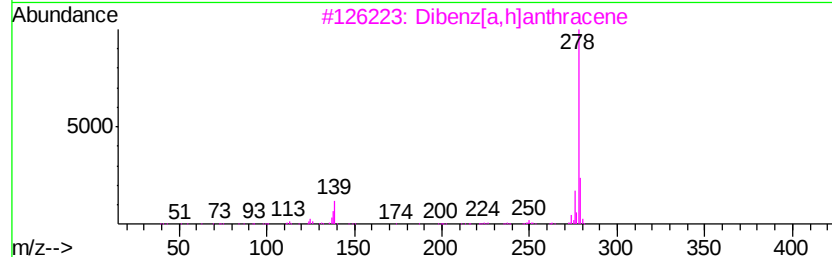
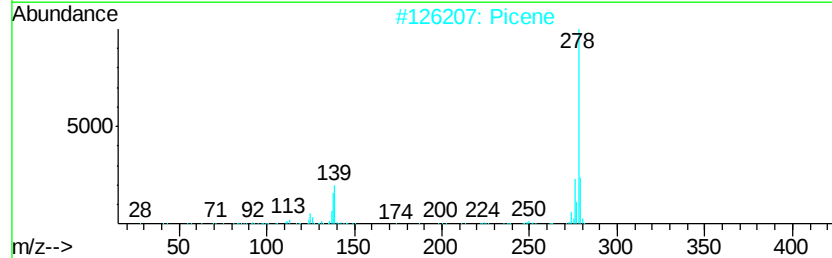
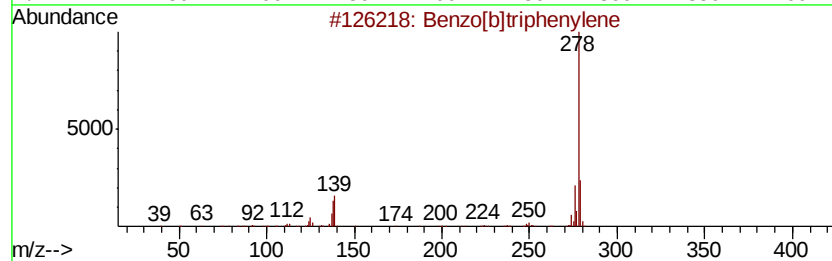
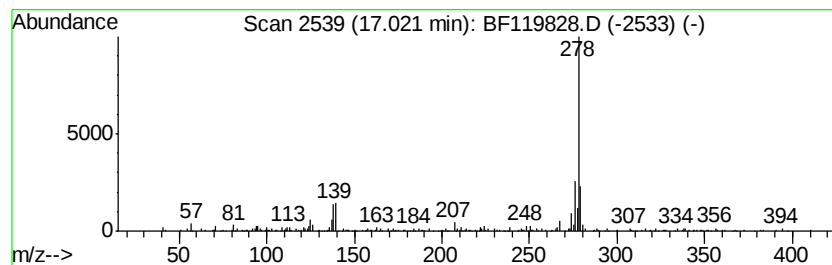
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[b]triphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	10.02 ng	316044	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
2		Picene	278	C22H14	000213-46-7	96
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4		4-Iodophenoxvacetic acid	278	C8H7IO3	001878-94-0	89
5		Pentaphene	278	C22H14	000222-93-5	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040620\
 Data File : BF119828.D
 Acq On : 7 Apr 2020 17:57
 Operator : MA/SJ
 Sample : L2146-12
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-65-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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
9H-Fluoren-9-one	11.12	4.6	ng	222382	4	11.32	972930	20.0
Dibenzothiophene	11.22	4.5	ng	217204	4	11.32	972930	20.0
Phenanthrene, 2-m...	11.82	9.4	ng	455741	4	11.32	972930	20.0
Anthracene, 2-met...	11.85	14.0	ng	680900	4	11.32	972930	20.0
Phenanthrene, 3-m...	11.90	4.6	ng	225086	4	11.32	972930	20.0
4H-Cyclopenta[def...	11.93	18.2	ng	885914	4	11.32	972930	20.0
Phenanthrene, 1-m...	11.96	6.6	ng	320125	4	11.32	972930	20.0
Naphthalene, 2-ph...	12.12	6.1	ng	296625	4	11.32	972930	20.0
9,10-Anthracenedione	12.14	5.3	ng	255778	4	11.32	972930	20.0
Phenanthrene, 2,5...	12.37	8.5	ng	413361	4	11.32	972930	20.0
unknown12.41	12.41	5.2	ng	250623	4	11.32	972930	20.0
Cyclopenta(def)ph...	12.46	8.8	ng	425967	4	11.32	972930	20.0
11H-Benzo[b]fluorene	13.09	3.7	ng	644965	5	13.97	3525650	20.0
11H-Benzo[a]fluor...	13.81	3.8	ng	674578	5	13.97	3525650	20.0
unknown14.74	14.74	3.7	ng	117400	6	15.42	630990	20.0
Benzo[e]pyrene	15.10	9.9	ng	313956	6	15.42	630990	20.0
Perylene	15.30	38.8	ng	1222430	6	15.42	630990	20.0
Benzo[b]triphenylene	17.02	10.0	ng	316044	6	15.42	630990	20.0