

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
 Data File : BF119754.D
 Acq On : 4 Apr 2020 9:24
 Operator : MA/SJ
 Sample : L2129-01
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

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	5.428	562	568	571	rBV	5870348	6159229	62.96%	4.379%
2	6.439	734	740	743	rBV	4791885	6189663	63.27%	4.400%
3	6.804	798	802	805	rBV	1385783	1065042	10.89%	0.757%
4	6.963	824	829	832	rBV	5433945	4799834	49.07%	3.412%
5	7.369	892	898	901	rBV	3785414	4022574	41.12%	2.860%
6	8.086	1015	1020	1023	rBV	1592270	1409966	14.41%	1.002%
7	9.169	1198	1204	1207	rBV	6917069	6408325	65.51%	4.556%
8	9.557	1267	1270	1274	rVB	579621	530673	5.42%	0.377%
9	9.704	1292	1295	1300	rVB	425937	339103	3.47%	0.241%
10	9.845	1313	1319	1322	rBV	1709685	1435614	14.68%	1.021%
11	9.874	1322	1324	1328	rVB	377140	326719	3.34%	0.232%
12	10.051	1350	1354	1357	rVB	281986	274025	2.80%	0.195%
13	10.392	1408	1412	1418	rVB2	386189	365090	3.73%	0.260%
14	10.639	1448	1454	1457	rVV	3706539	3782320	38.66%	2.689%
15	10.757	1470	1474	1478	rBV3	215342	230932	2.36%	0.164%
16	10.945	1499	1506	1508	rBV4	143797	230819	2.36%	0.164%
17	11.069	1522	1527	1529	rBV3	180329	205352	2.10%	0.146%
18	11.092	1529	1531	1536	rVV	203389	222413	2.27%	0.158%
19	11.133	1536	1538	1543	rVV	300994	299046	3.06%	0.213%
20	11.180	1543	1546	1552	rVV4	193731	335181	3.43%	0.238%
21	11.227	1552	1554	1560	rVB	365620	341919	3.50%	0.243%
22	11.333	1568	1572	1574	rBV	1263699	1338271	13.68%	0.951%
23	11.363	1574	1577	1580	rVV	5534110	4712685	48.18%	3.350%
24	11.410	1580	1585	1588	rVV	1623969	1375226	14.06%	0.978%
25	11.439	1588	1590	1594	rVB2	216763	185227	1.89%	0.132%
26	11.563	1605	1611	1613	rBV2	570993	577600	5.90%	0.411%
27	11.627	1620	1622	1625	rVB	281941	222192	2.27%	0.158%
28	11.663	1625	1628	1633	rVB4	208865	196546	2.01%	0.140%
29	11.833	1652	1657	1660	rVV	917502	977187	9.99%	0.695%
30	11.863	1660	1662	1667	rVV2	2181727	2142543	21.90%	1.523%
31	11.910	1667	1670	1673	rVV	618854	565178	5.78%	0.402%
32	11.945	1673	1676	1679	rVV2	1505142	1778211	18.18%	1.264%
33	11.968	1679	1680	1684	rVV	870384	572033	5.85%	0.407%
34	12.133	1705	1708	1710	rBV	859778	718049	7.34%	0.510%

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

35	12.157	1710	1712	1715	rVB	605008	454776	4.65%	0.323%
36	12.280	1728	1733	1736	rBV2	339841	424397	4.34%	0.302%
37	12.333	1740	1742	1745	rVB	272139	231525	2.37%	0.165%
38	12.386	1745	1751	1754	rBV	739883	957467	9.79%	0.681%
39	12.427	1754	1758	1760	rVV2	371186	459401	4.70%	0.327%
40	12.474	1763	1766	1771	rVB	748644	805987	8.24%	0.573%
41	12.563	1774	1781	1784	rBV	7586907	8944695	91.44%	6.359%
42	12.651	1792	1796	1798	rBV2	541180	543121	5.55%	0.386%
43	12.698	1798	1804	1806	rBV3	358766	443244	4.53%	0.315%
44	12.792	1813	1820	1823	rBV2	7234767	9782369	100.00%	6.954%
45	12.827	1823	1826	1831	rVB2	490855	627528	6.41%	0.446%
46	12.898	1834	1838	1839	rBV	653042	594752	6.08%	0.423%
47	12.927	1839	1843	1849	rVB	4873100	5018091	51.30%	3.567%
48	12.998	1849	1855	1858	rBV2	805273	1307847	13.37%	0.930%
49	13.080	1866	1869	1871	rBV2	570696	674576	6.90%	0.480%
50	13.104	1871	1873	1876	rVB	1043409	1001056	10.23%	0.712%
51	13.174	1880	1885	1887	rVV2	472133	461020	4.71%	0.328%
52	13.210	1887	1891	1894	rVV2	1209570	1224401	12.52%	0.870%
53	13.304	1904	1907	1909	rVB	725517	555696	5.68%	0.395%
54	13.333	1909	1912	1915	rBV	682004	633469	6.48%	0.450%
55	13.410	1922	1925	1929	rVB5	207867	268907	2.75%	0.191%
56	13.504	1935	1941	1944	rBV4	298296	653257	6.68%	0.464%
57	13.615	1956	1960	1964	rVV	1025835	1119348	11.44%	0.796%
58	13.721	1974	1978	1981	rVV2	909153	1134682	11.60%	0.807%
59	13.757	1981	1984	1986	rVV	1061551	1038202	10.61%	0.738%
60	13.780	1986	1988	1992	rVV2	876032	1148450	11.74%	0.816%
61	13.821	1992	1995	2002	rVB	1758970	1855225	18.96%	1.319%
62	13.974	2014	2021	2024	rBV2	4701310	6774033	69.25%	4.816%
63	14.010	2024	2027	2032	rVB	4160283	4757580	48.63%	3.382%
64	14.086	2038	2040	2044	rVB	657064	484243	4.95%	0.344%
65	14.121	2044	2046	2048	rVV2	184892	189878	1.94%	0.135%
66	14.145	2048	2050	2052	rVV2	297680	335075	3.43%	0.238%
67	14.198	2056	2059	2063	rVB3	370627	513295	5.25%	0.365%
68	14.233	2063	2065	2068	rVB2	264281	191494	1.96%	0.136%
69	14.298	2073	2076	2079	rBV3	156992	211770	2.16%	0.151%
70	14.327	2079	2081	2083	rBV	252321	195038	1.99%	0.139%
71	14.362	2083	2087	2090	rVB	951786	974923	9.97%	0.693%

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72	14.398	2090	2093	2096	rVB	640983	567533	5.80%	0.403%
73	14.451	2097	2102	2106	rBV2	587908	861727	8.81%	0.613%
74	14.486	2106	2108	2110	rBV	464185	421402	4.31%	0.300%
75	14.509	2110	2112	2115	rVB2	420883	348462	3.56%	0.248%
76	14.557	2116	2120	2126	rVB3	361688	555923	5.68%	0.395%
77	14.668	2136	2139	2142	rBV2	273952	337372	3.45%	0.240%
78	14.751	2150	2153	2156	rBV2	304002	392470	4.01%	0.279%
79	14.780	2156	2158	2162	rVB2	231585	221386	2.26%	0.157%
80	14.851	2166	2170	2174	rVB2	310982	469312	4.80%	0.334%
81	14.921	2179	2182	2186	rBV3	180294	226511	2.32%	0.161%
82	15.021	2193	2199	2202	rBV	3380820	6034596	61.69%	4.290%
83	15.086	2208	2210	2213	rVV	237981	242768	2.48%	0.173%
84	15.121	2213	2216	2219	rVB	936766	916787	9.37%	0.652%
85	15.321	2244	2250	2255	rVB	2135009	3199549	32.71%	2.275%
86	15.386	2255	2261	2265	rVB	3153516	4076821	41.68%	2.898%
87	15.439	2265	2270	2272	rBV	723299	944331	9.65%	0.671%
88	15.468	2272	2275	2281	rVB2	1123989	1520473	15.54%	1.081%
89	15.786	2327	2329	2336	rVB3	161348	241259	2.47%	0.172%
90	15.904	2346	2349	2353	rBV3	138466	195060	1.99%	0.139%
91	15.951	2354	2357	2360	rVV3	171739	234301	2.40%	0.167%
92	16.445	2437	2441	2445	rVB3	151665	215197	2.20%	0.153%
93	16.551	2455	2459	2463	rVB4	159626	227588	2.33%	0.162%
94	16.698	2480	2484	2486	rBV	146730	232808	2.38%	0.166%
95	16.892	2509	2517	2523	rVB2	1356423	2754084	28.15%	1.958%
96	16.956	2525	2528	2538	rVB2	111348	222208	2.27%	0.158%
97	17.056	2540	2545	2550	rBV	276734	515158	5.27%	0.366%
98	17.115	2550	2555	2559	rBV2	234326	378276	3.87%	0.269%
99	17.327	2583	2591	2599	rVB	1048193	2265159	23.16%	1.610%
100	17.550	2623	2629	2635	rBV	277170	519671	5.31%	0.369%

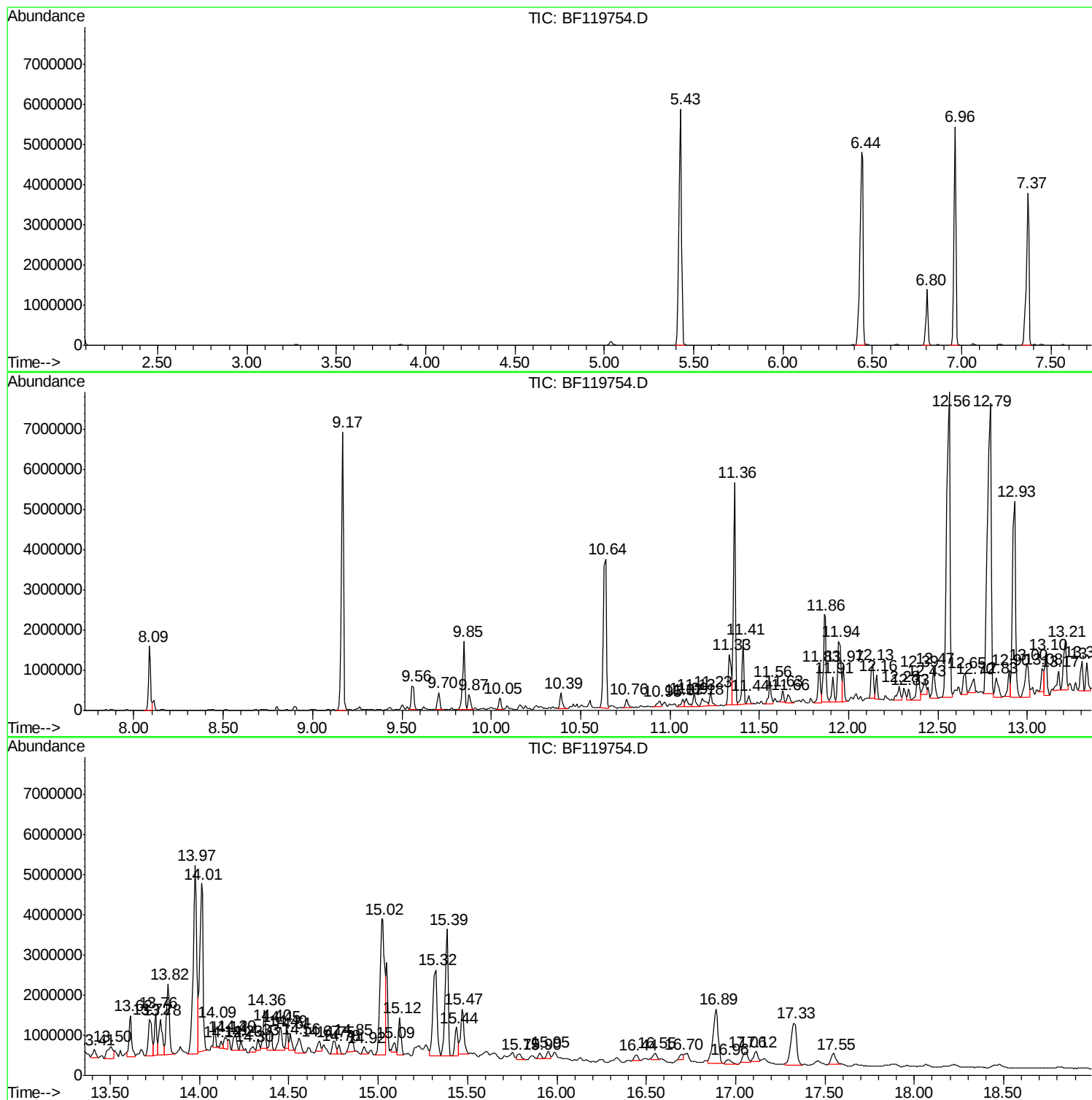
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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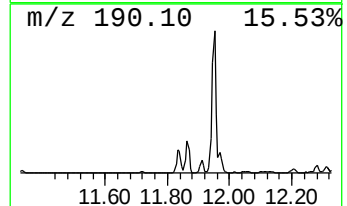
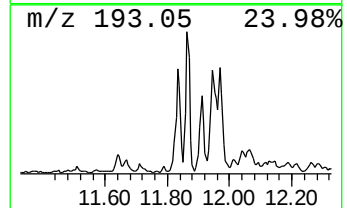
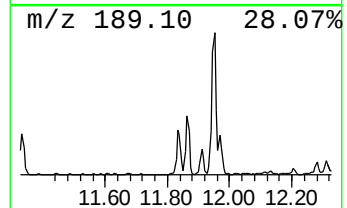
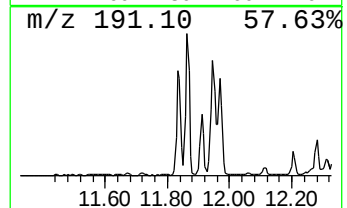
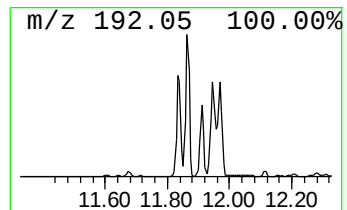
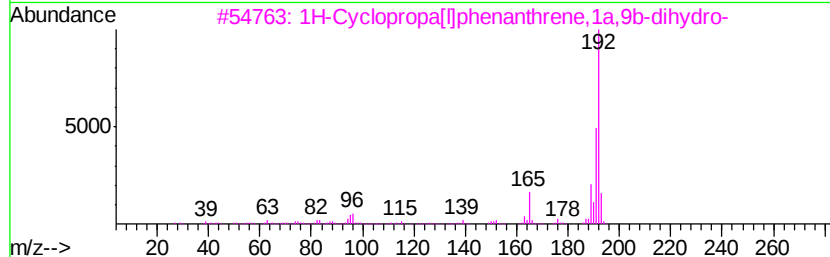
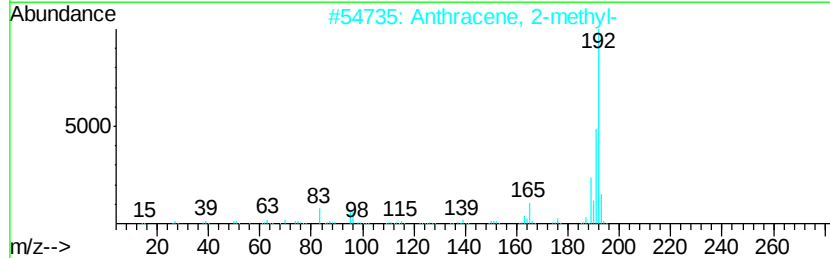
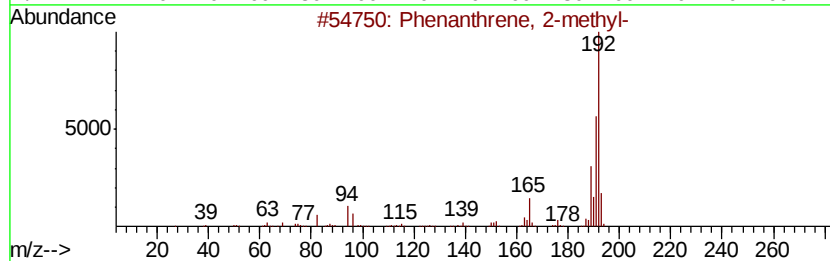
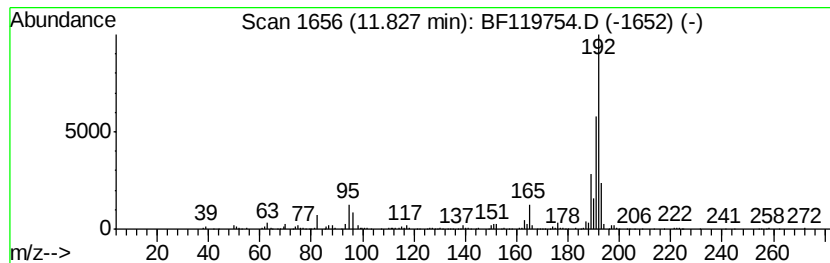
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	14.60 ng	977187	Phenanthrene-d10	11.33	
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	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



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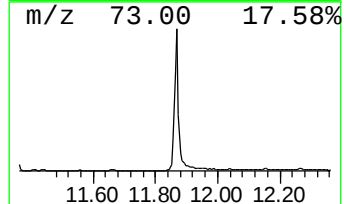
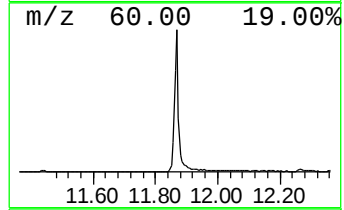
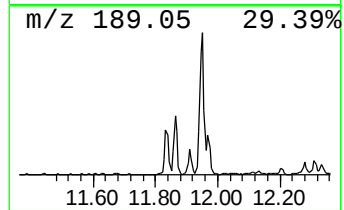
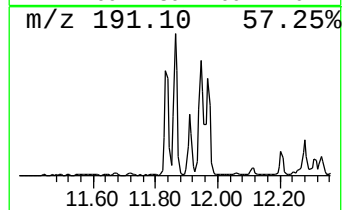
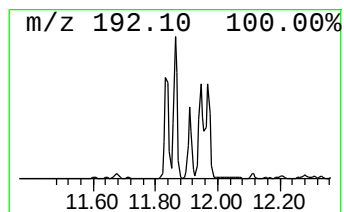
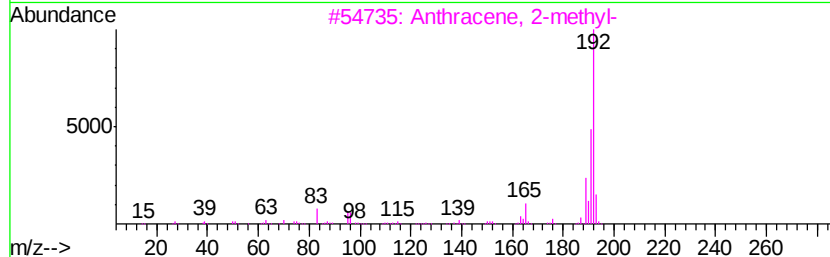
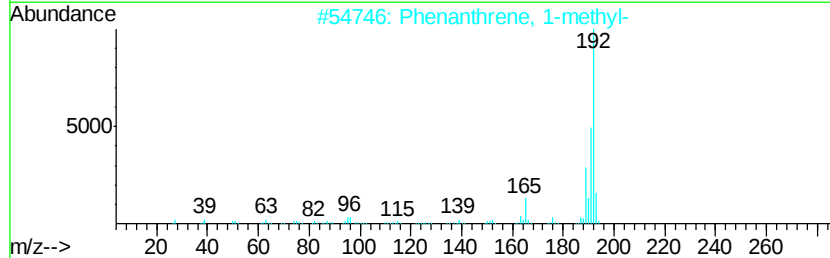
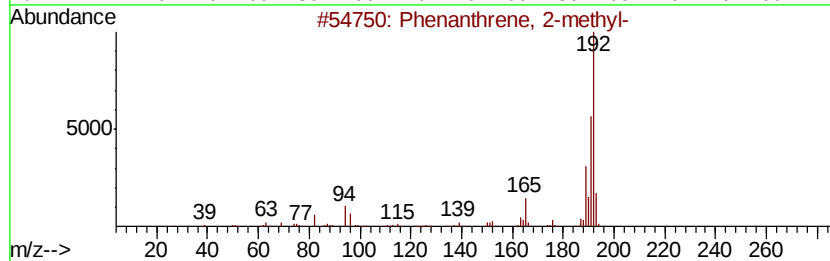
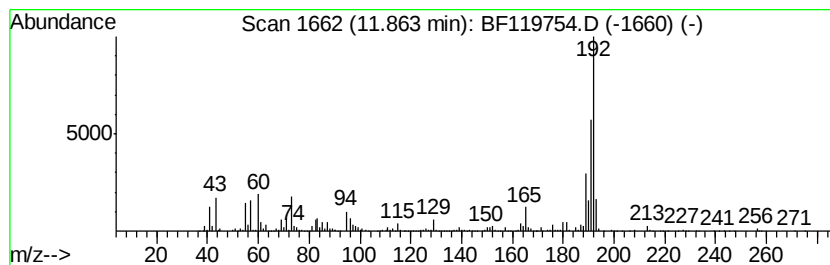
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	32.02 ng	2142540	Phenanthrene-d10	11.33

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	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



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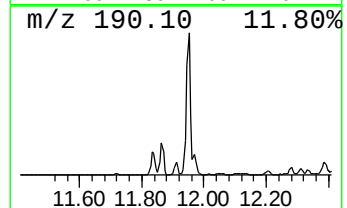
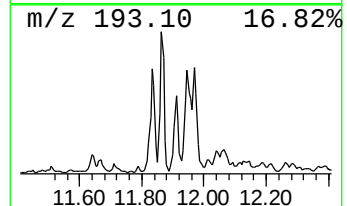
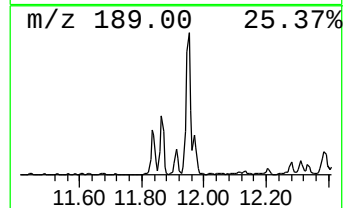
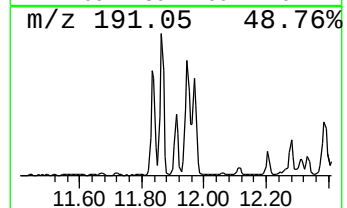
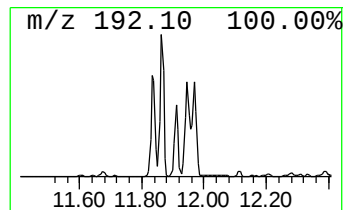
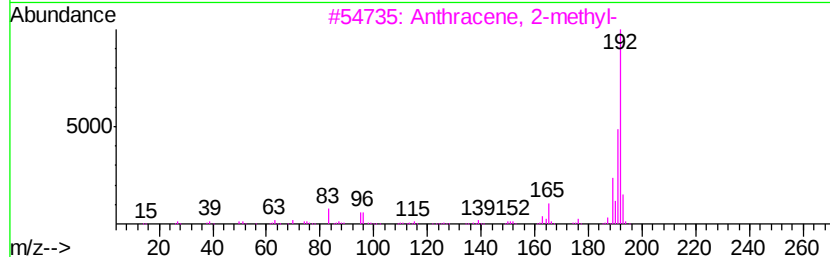
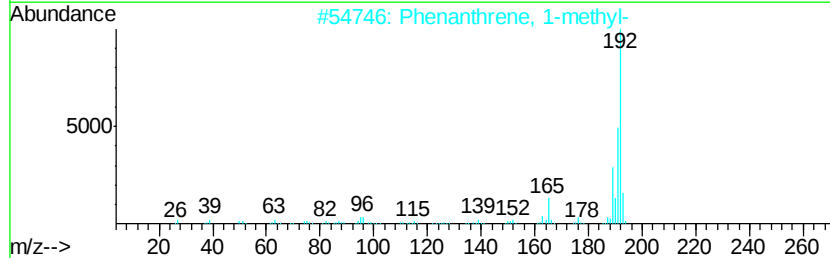
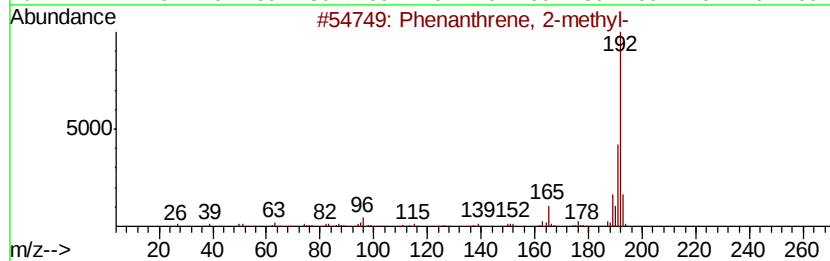
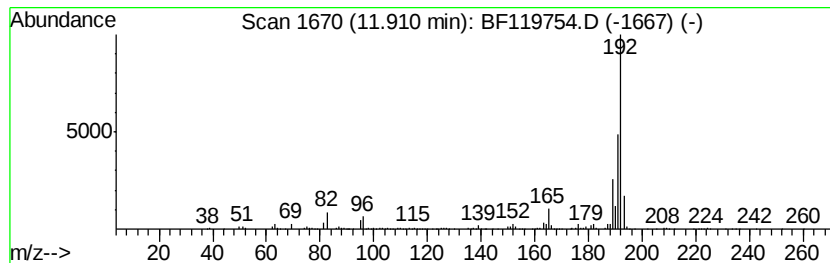
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	8.45 ng	565178	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



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Data File : BF119754.D
Acq On : 4 Apr 2020 9:24
Operator : MA/SJ
Sample : L2129-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-9

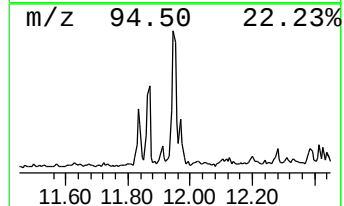
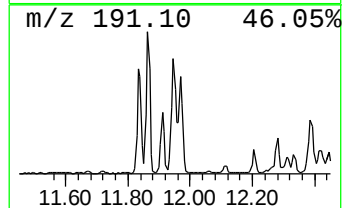
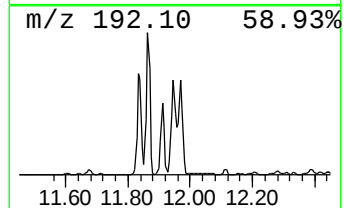
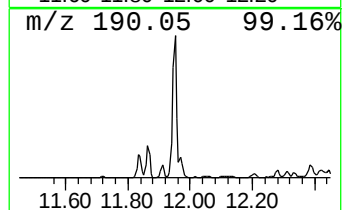
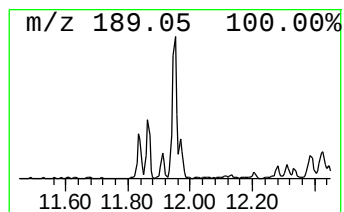
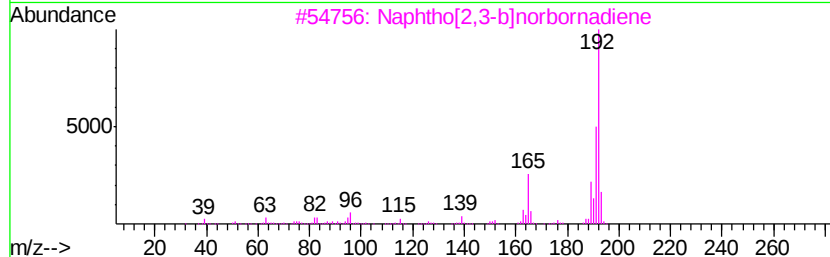
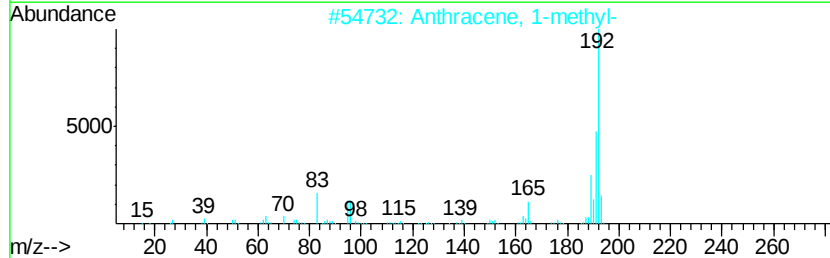
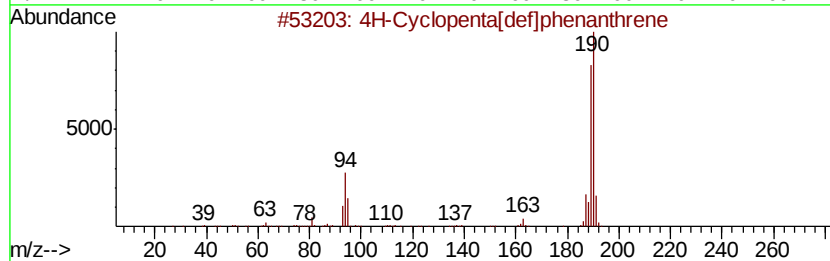
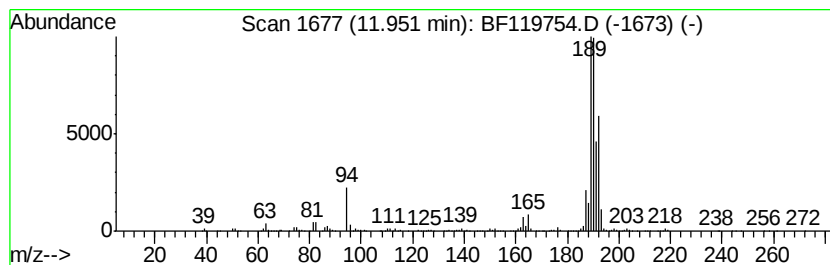
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	26.57 ng	1778210	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
3		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	46
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42



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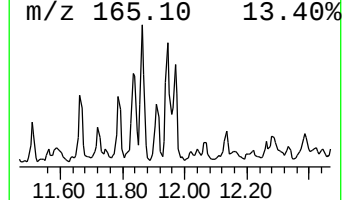
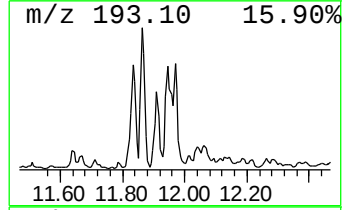
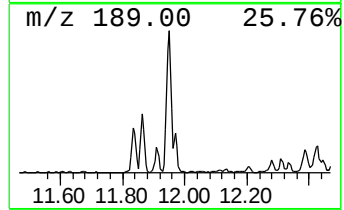
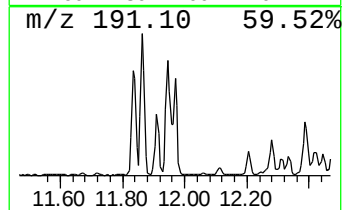
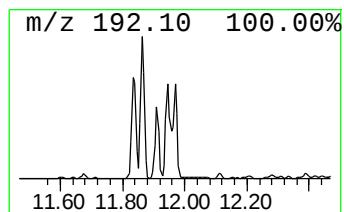
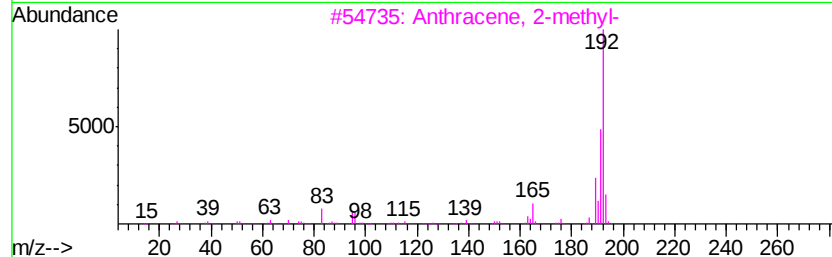
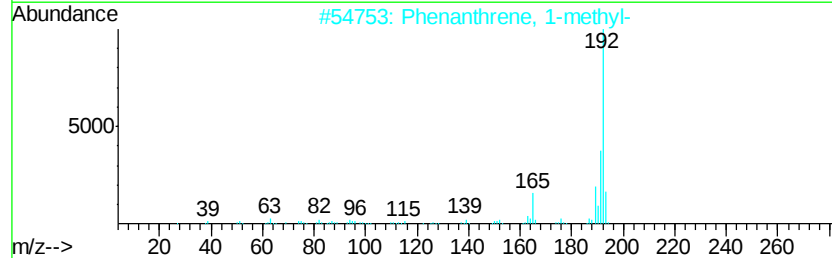
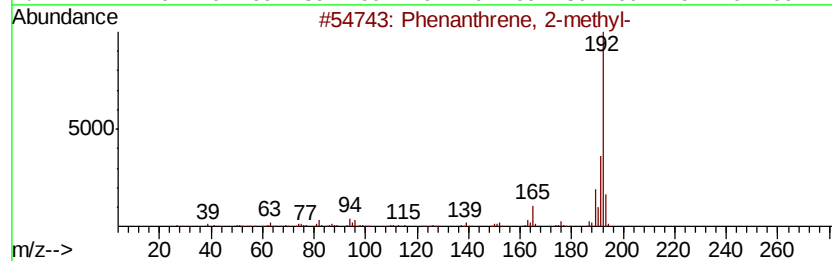
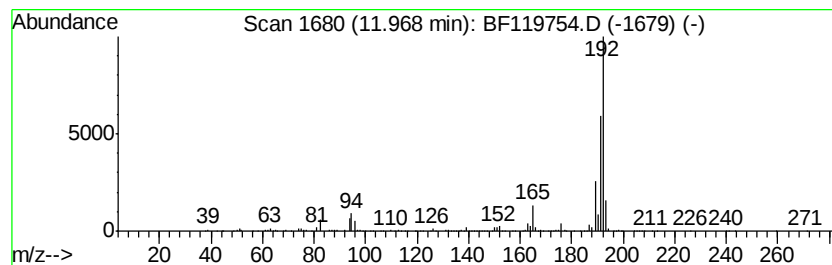
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ClientSampled :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.97	8.55 ng	572033	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	1H-Cyclopropa[ll]phenanthrene,1a,...	192	C15H12	000949-41-7	92
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
Data File : BF119754.D
Acq On : 4 Apr 2020 9:24
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Misc :
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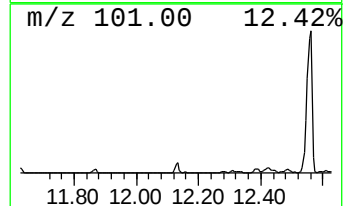
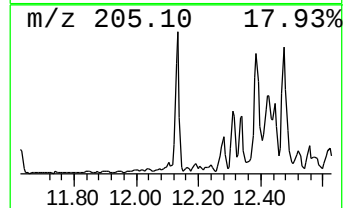
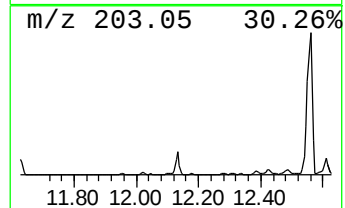
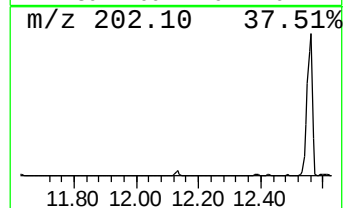
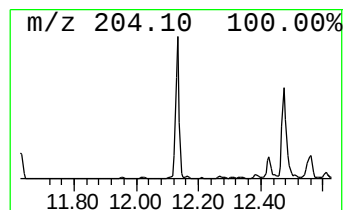
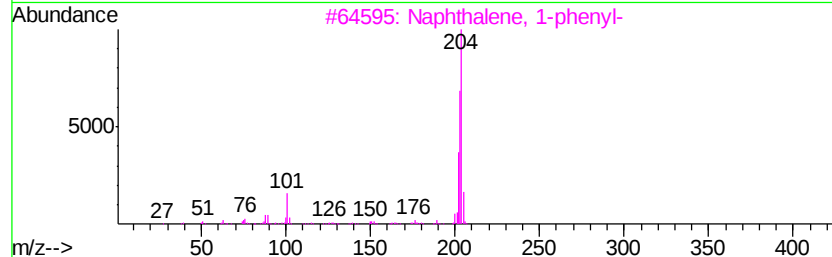
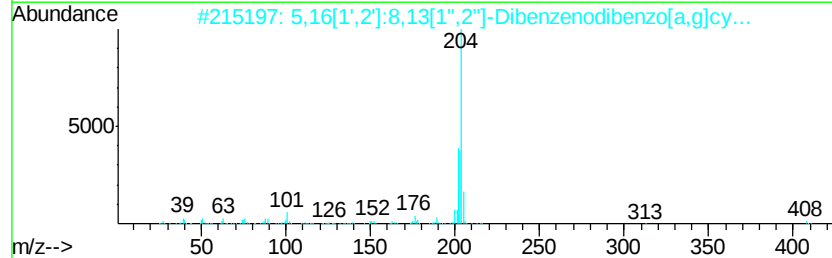
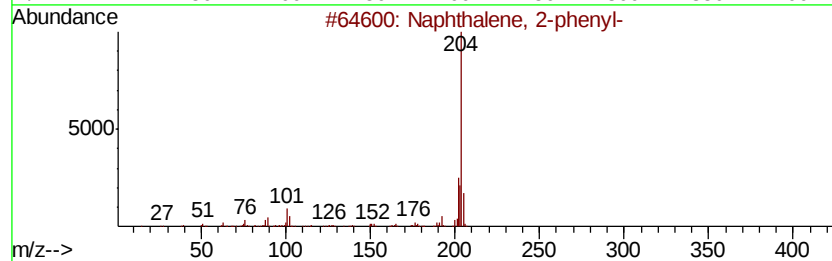
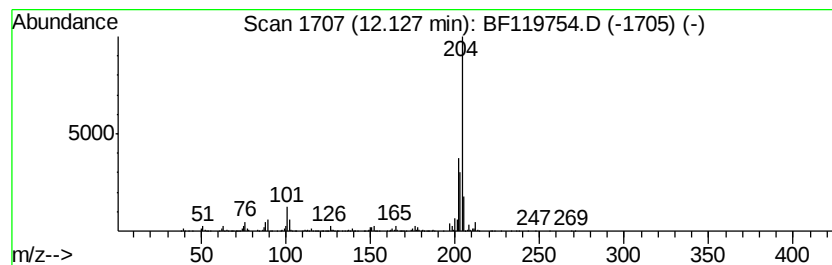
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	10.73 ng	718049	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
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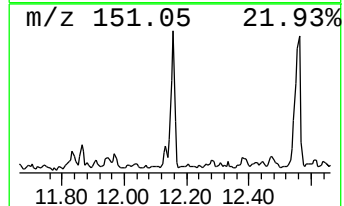
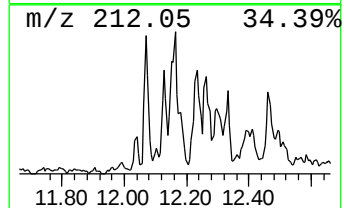
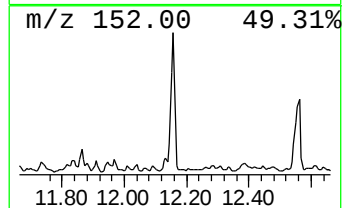
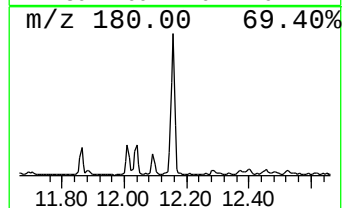
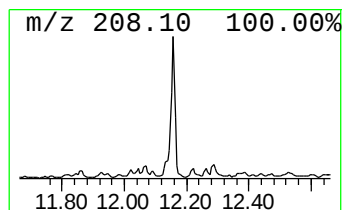
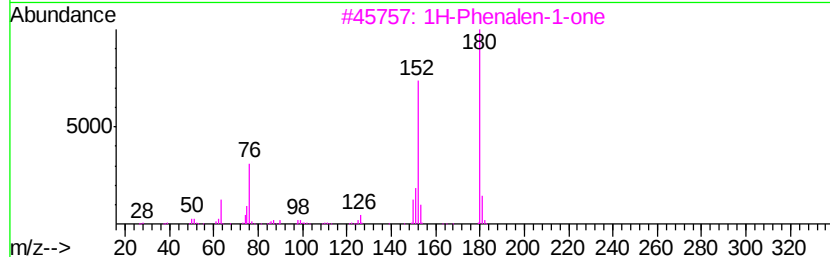
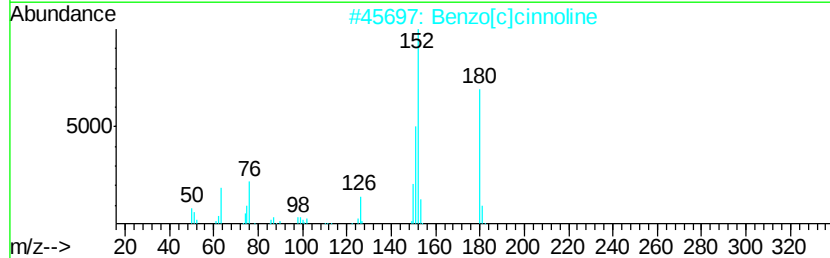
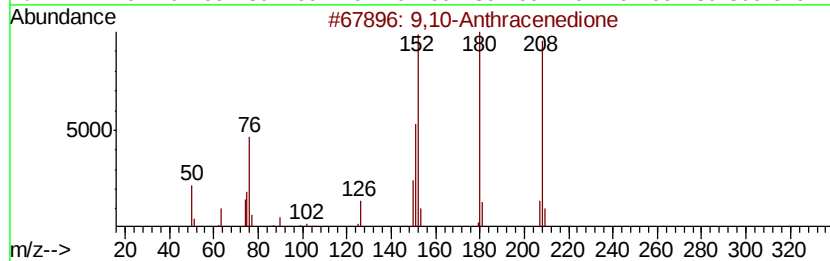
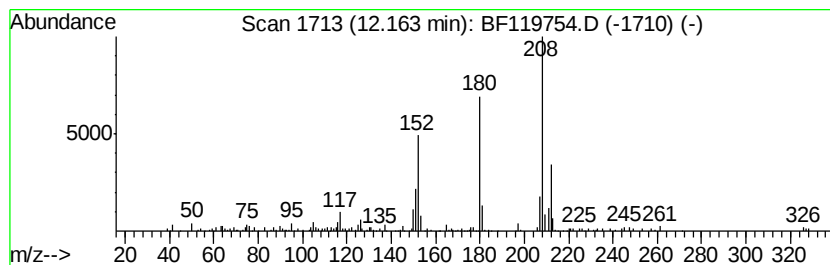
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	6.80 ng	454776	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	52



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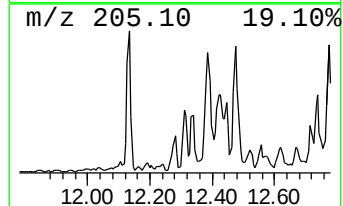
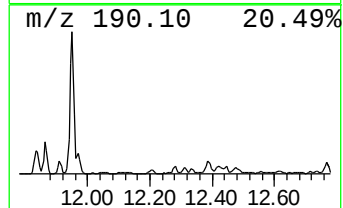
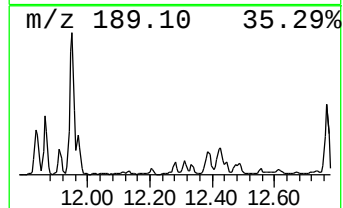
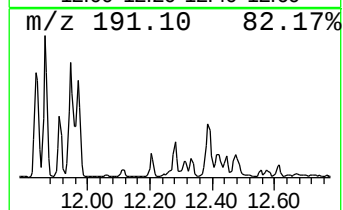
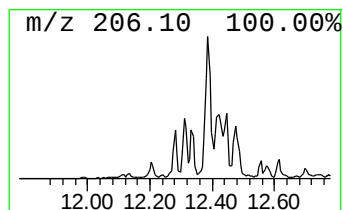
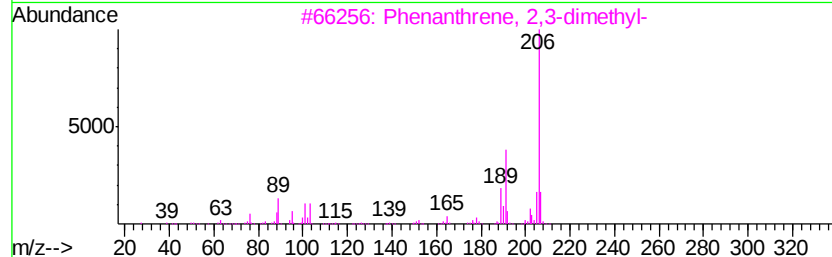
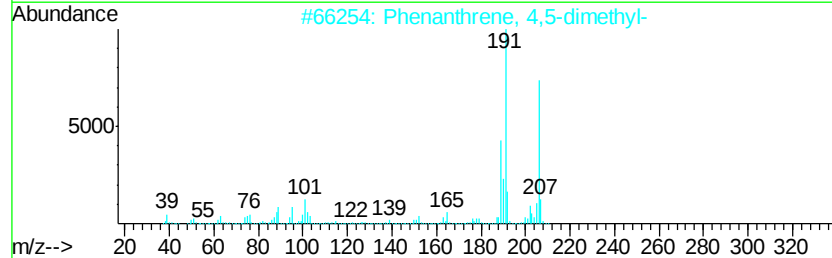
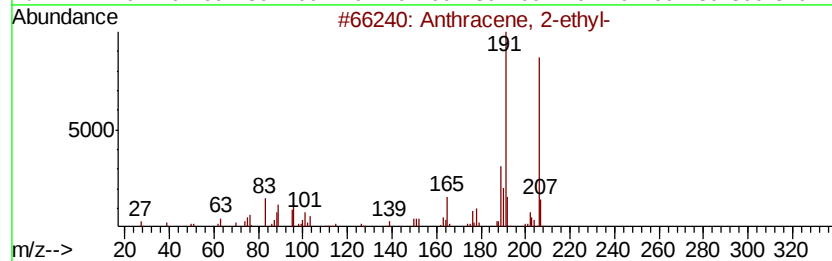
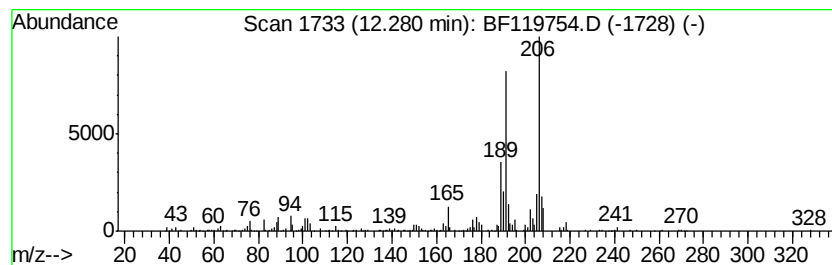
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Anthracene, 2-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	6.34 ng	424397	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	94
2		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	80
5		Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
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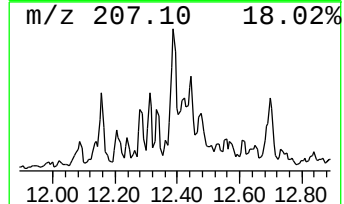
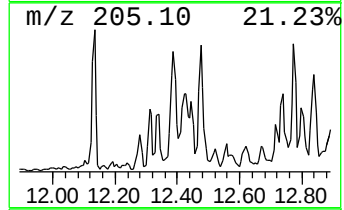
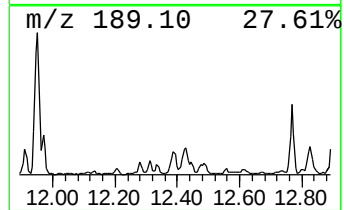
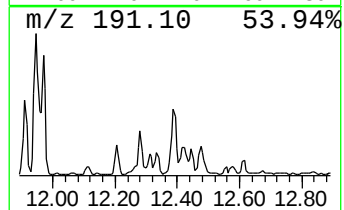
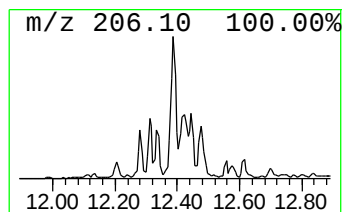
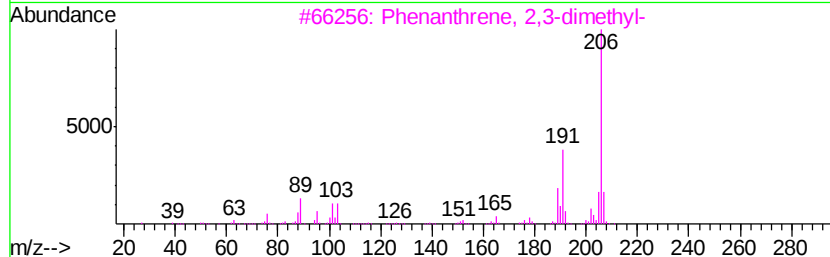
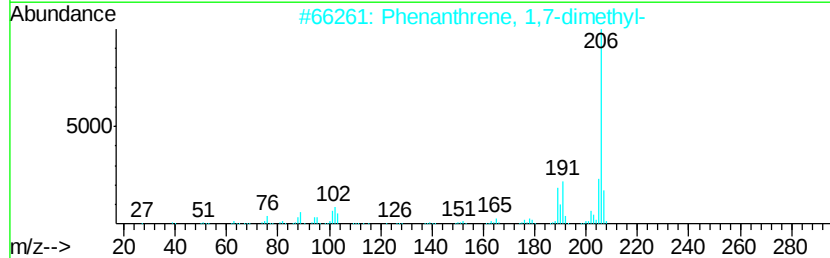
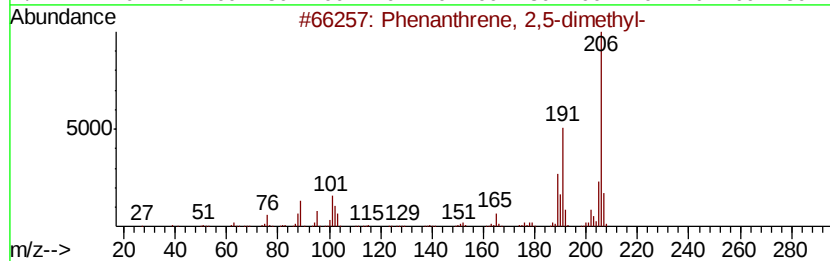
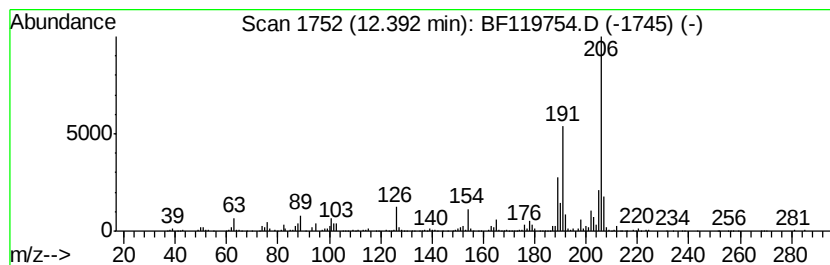
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	14.31 ng	957467	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
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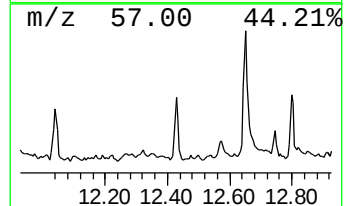
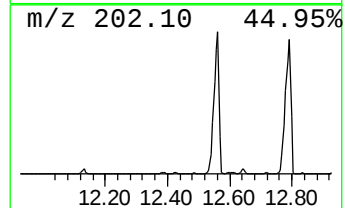
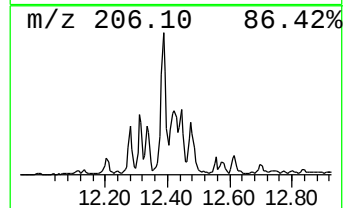
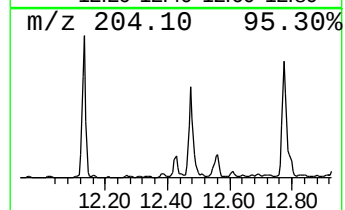
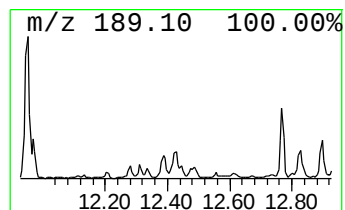
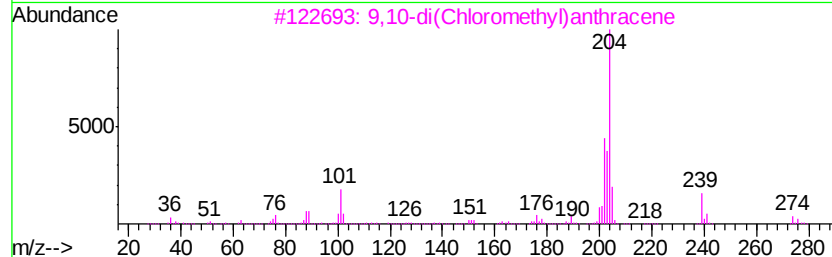
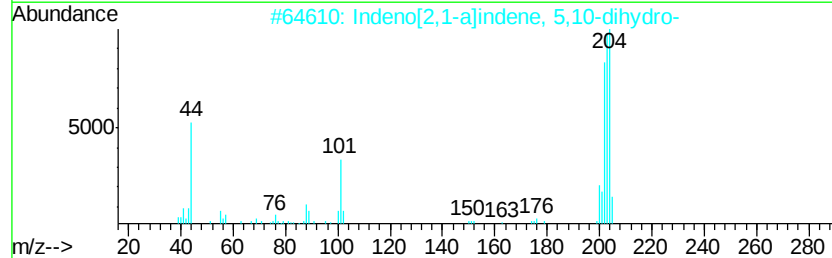
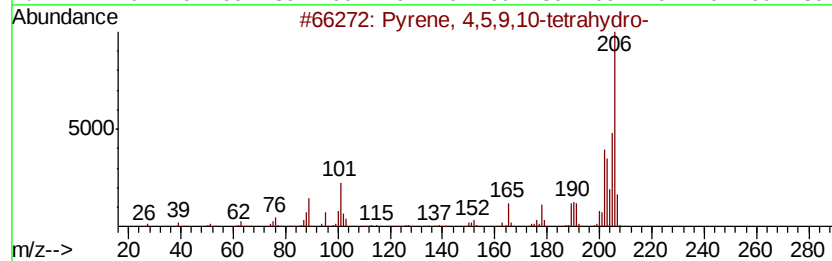
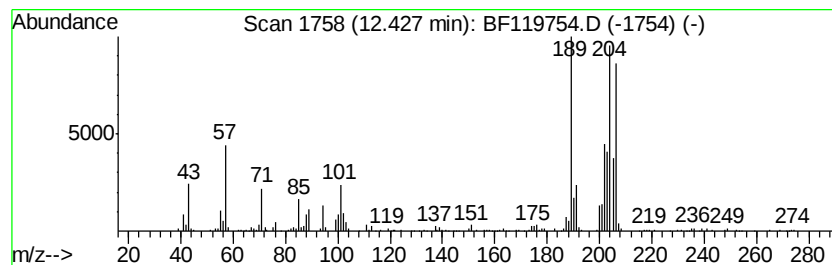
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown12.43 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	6.87 ng	459401	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	47
2			Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	47
3			9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	46
4			Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	42
5			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
Data File : BF119754.D
Acq On : 4 Apr 2020 9:24
Operator : MA/SJ
Sample : L2129-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

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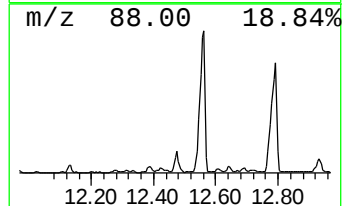
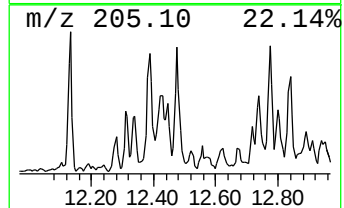
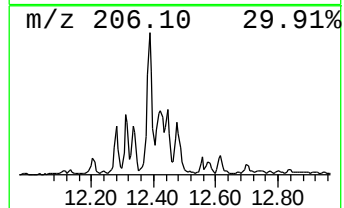
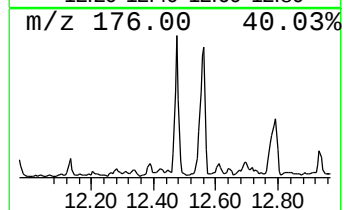
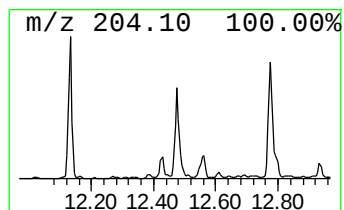
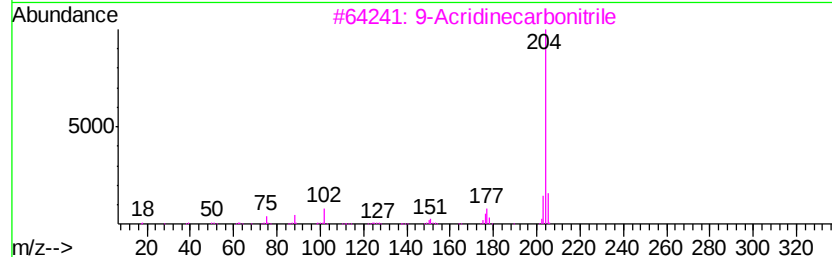
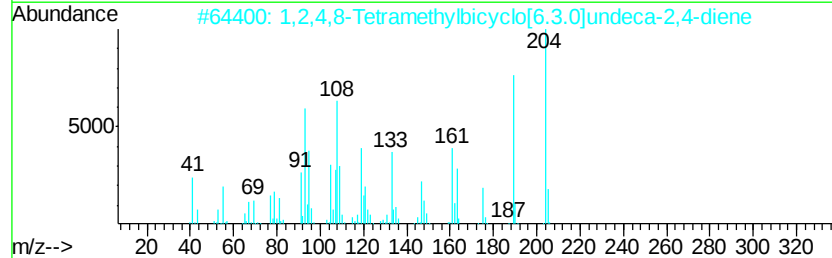
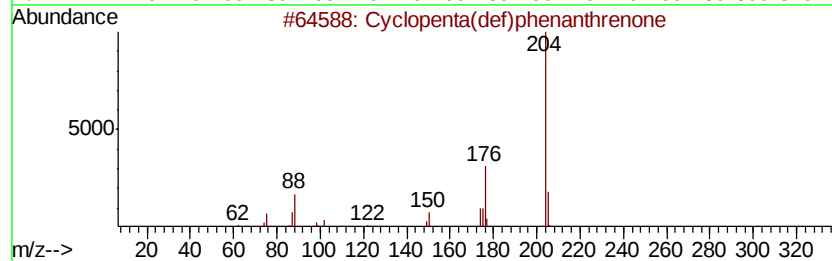
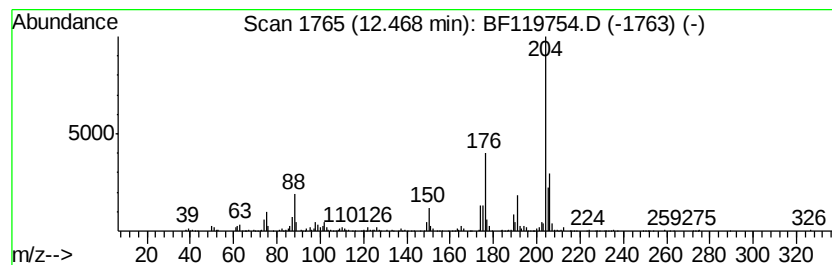
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	12.05 ng	805987	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	45
3		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	38
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38



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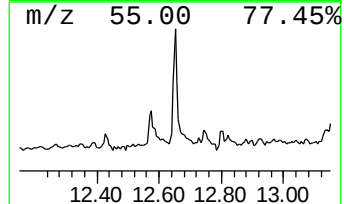
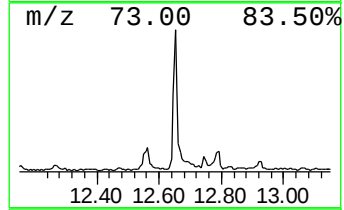
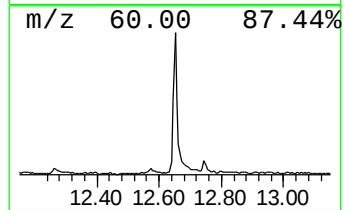
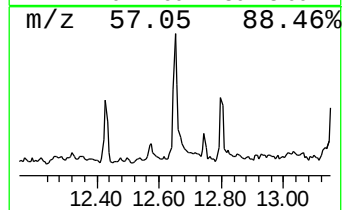
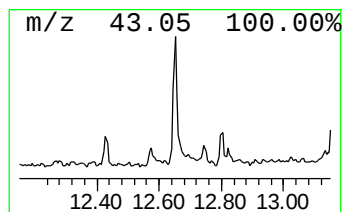
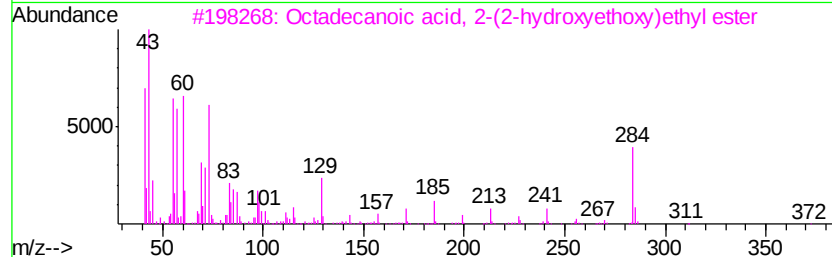
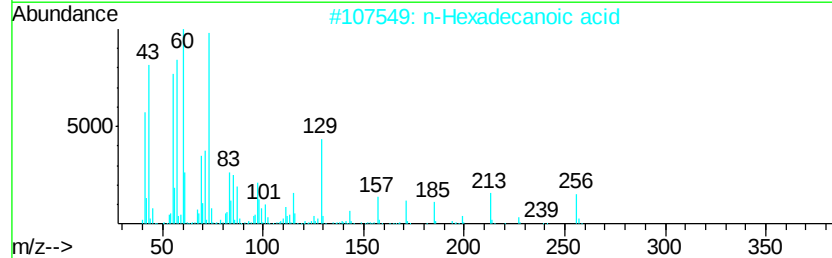
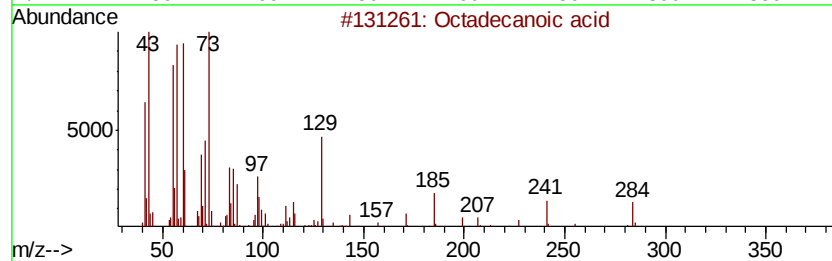
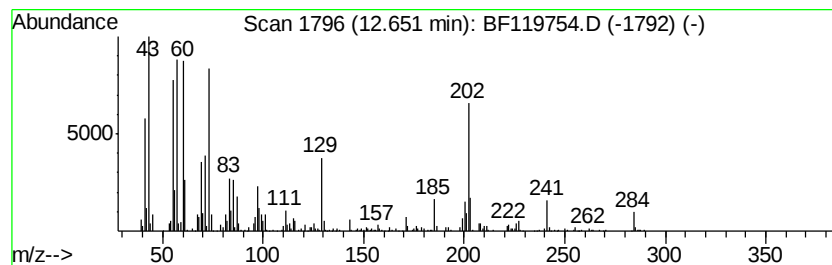
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Octadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	8.12 ng	543121	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	76
3		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	64
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	64
5		Dodecanoic acid	200	C12H24O2	000143-07-7	62



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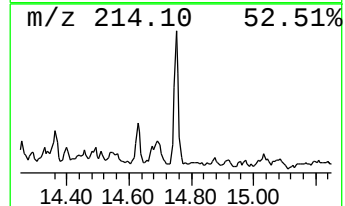
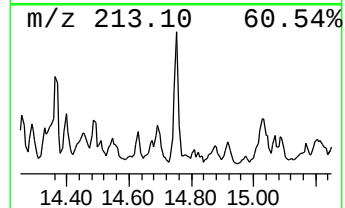
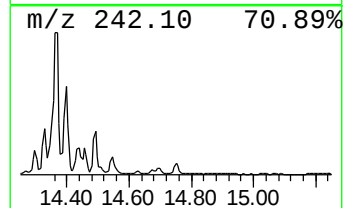
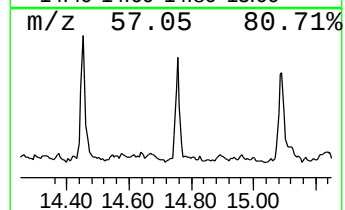
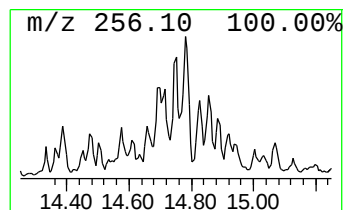
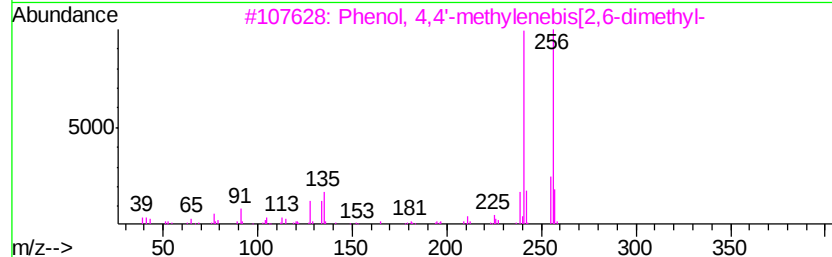
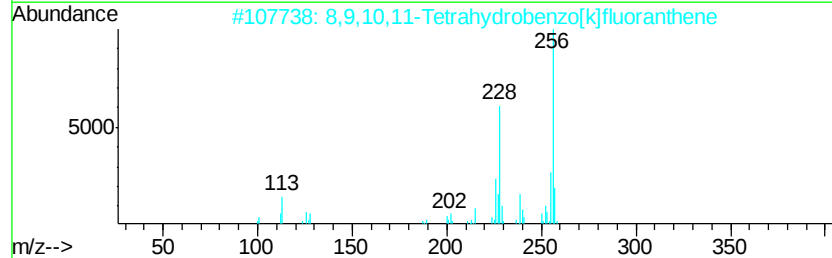
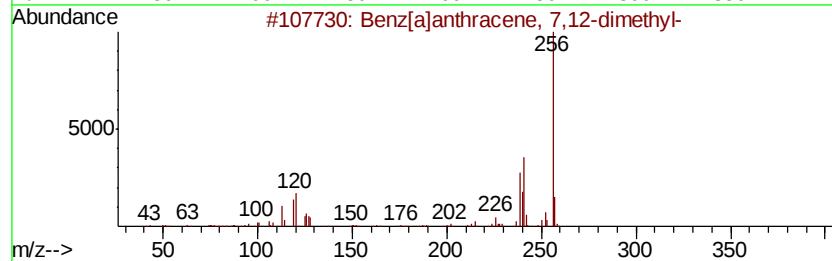
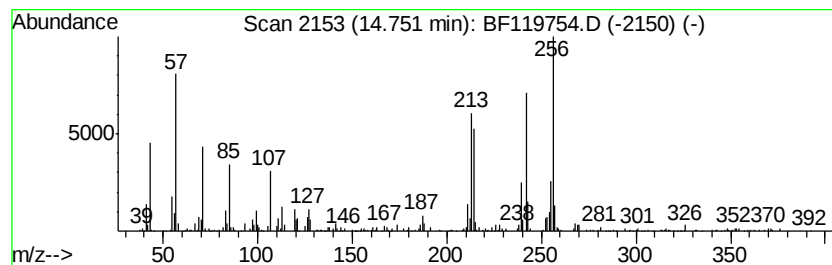
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown14.75 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	8.31 ng	392470	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	35
2		8,9,10,11-Tetrahydrobenzo[k]fluoranthene	256	C20H16	033942-81-3	27
3		Phenol, 4,4'-methylenebis[2,6-dimethyl-4-hydroxyphenyl]-	256	C17H20O2	005384-21-4	27
4		3-Benzofuranone, 6-methoxy-2-[(1-methoxy-2-methyl-5-oxo-1,2-dihydro-3-benzofuran-3-yl)methyl]-	256	C14H12N2O3	1000319-39-9	25
5		4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	22



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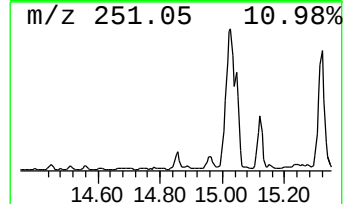
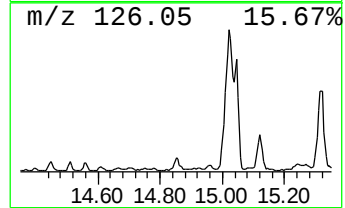
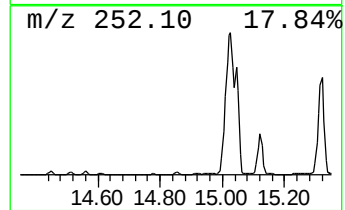
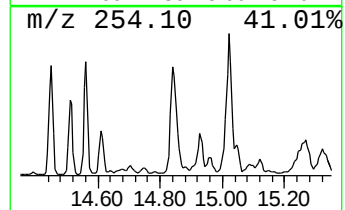
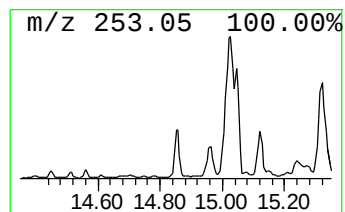
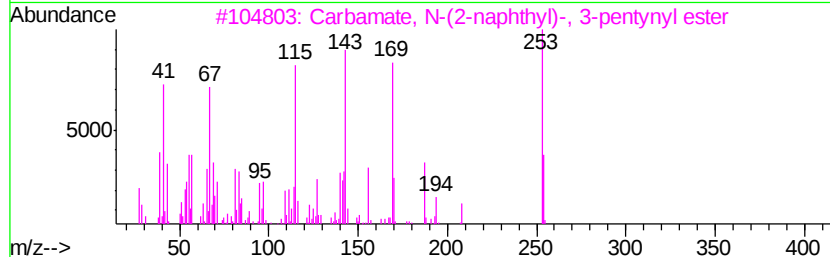
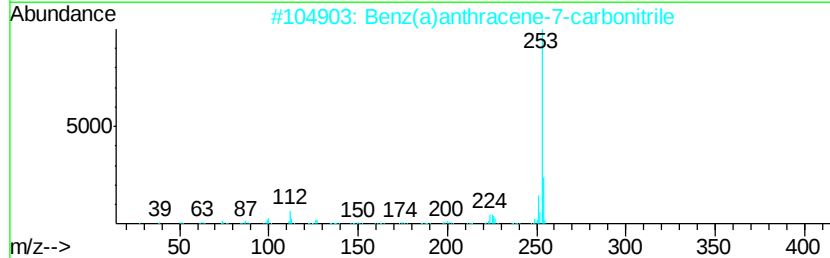
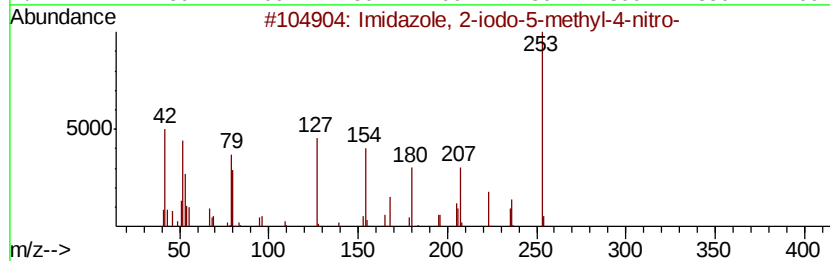
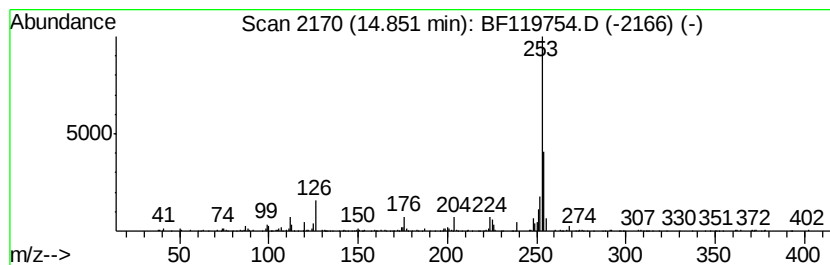
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Imidazole, 2-iodo-5-methyl-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	9.94 ng	469312	Perylene-d12	15.44

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	86
2			Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	60
3			Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15N02	1000197-96-0	53
4			10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	45
5			9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	43



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Misc :
ALS Vial : 43 Sample Multiplier: 1

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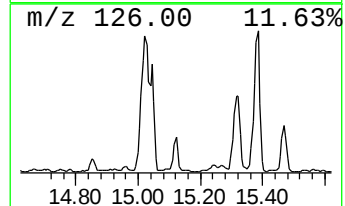
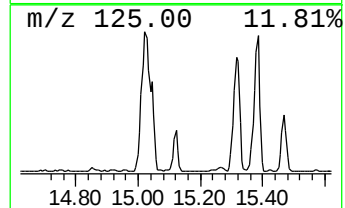
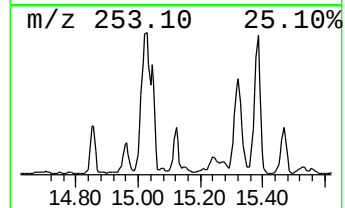
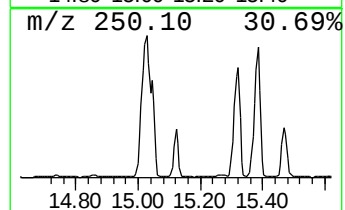
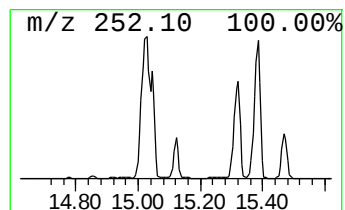
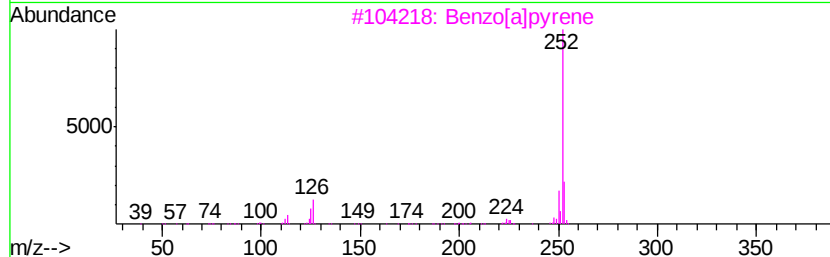
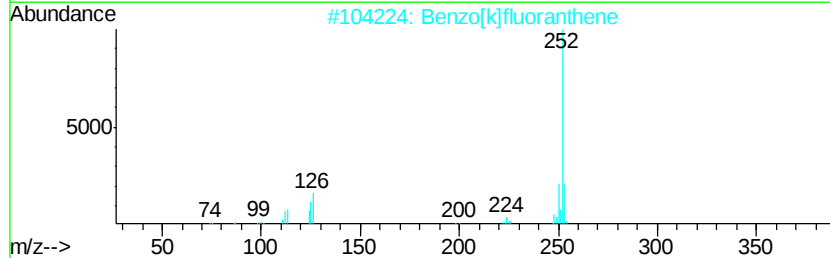
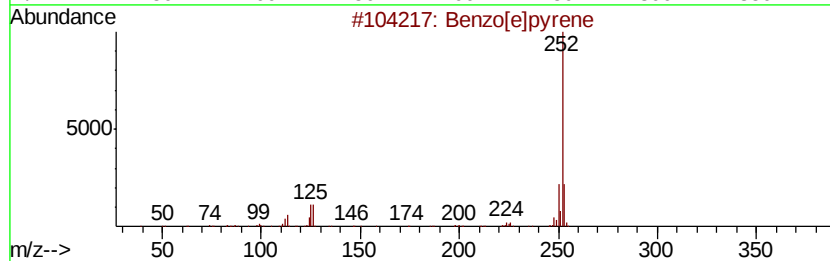
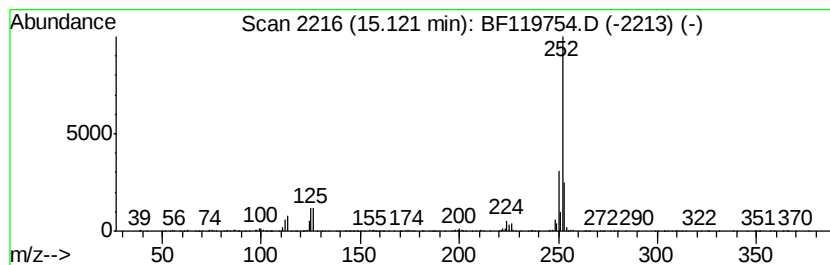
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	19.42 ng	916787	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	96
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



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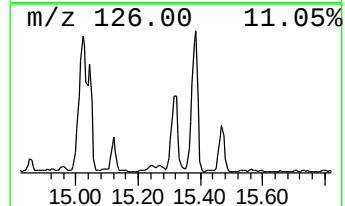
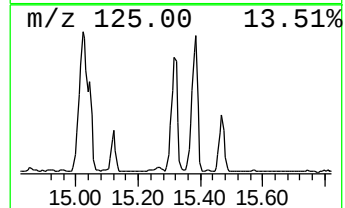
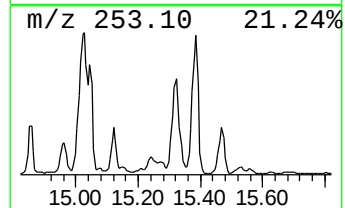
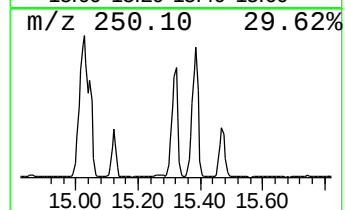
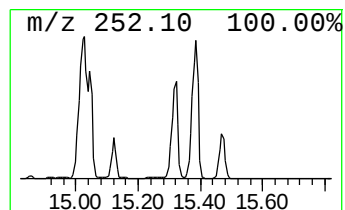
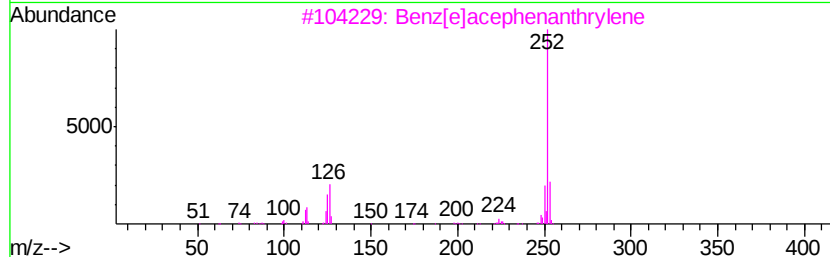
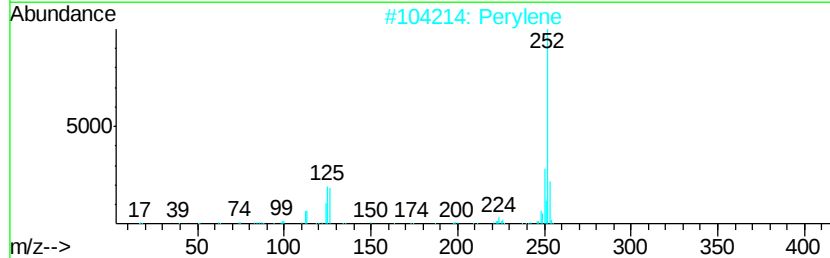
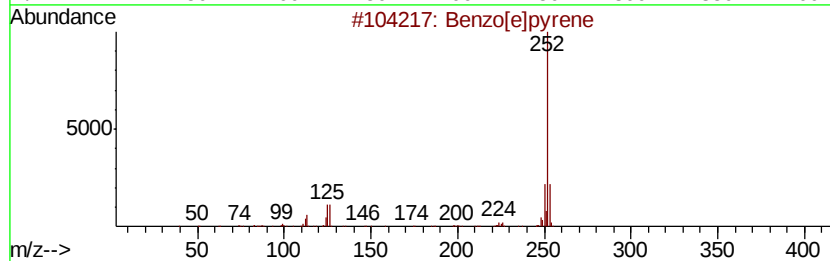
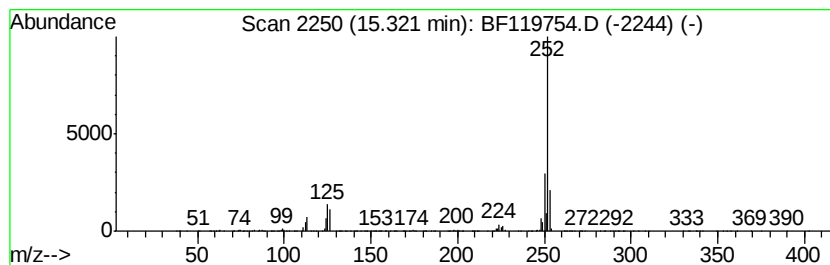
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	67.76 ng	3199550	Perylene-d12	15.44

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[el]acephenanthrylene	252	C20H12	000205-99-2	94
4		Benzo[al]pyrene	252	C20H12	000050-32-8	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	76



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ALS Vial : 43 Sample Multiplier: 1

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TP-9

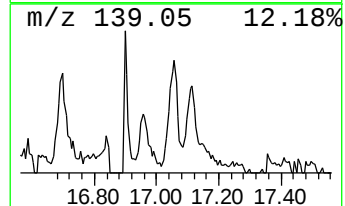
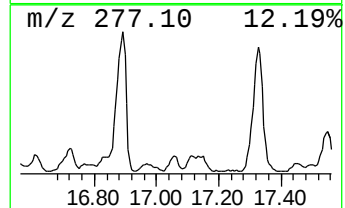
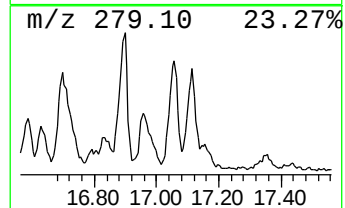
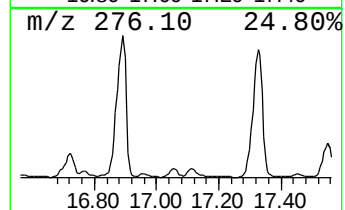
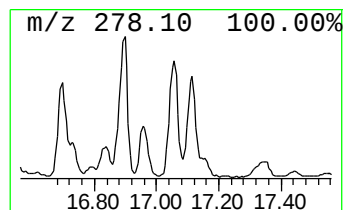
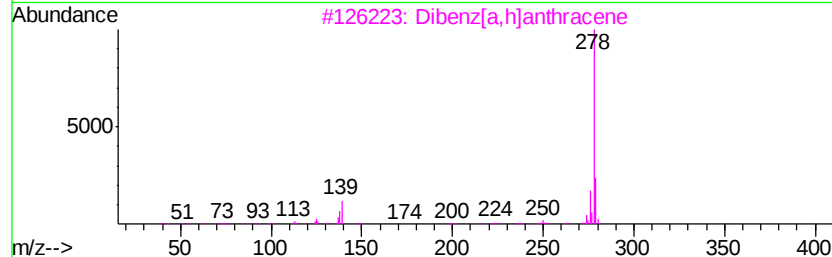
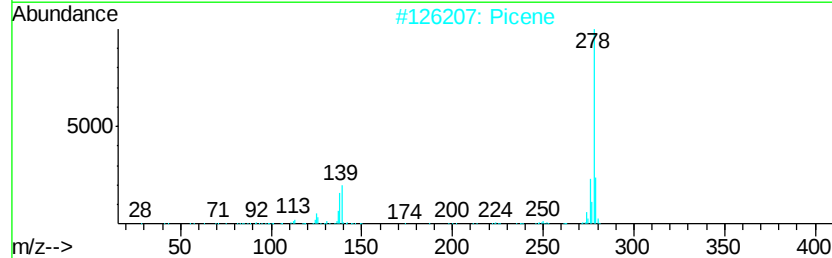
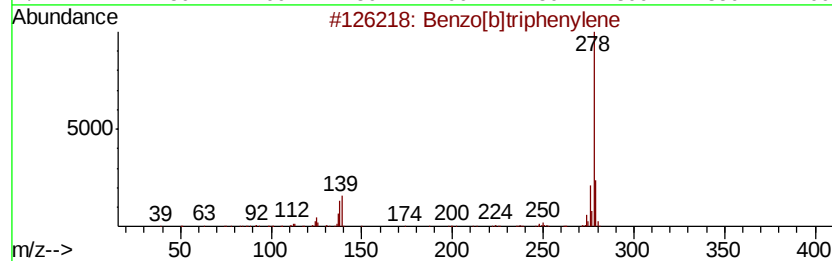
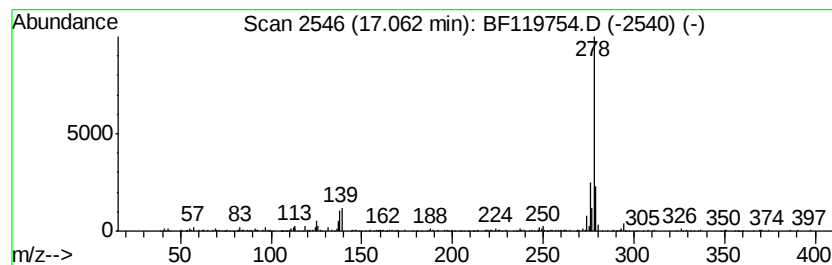
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	10.91 ng	515158	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2		Picene	278	C22H14	000213-46-7	98
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
4		Benzo[b]chrysene	278	C22H14	000214-17-5	95
5		Pentaphene	278	C22H14	000222-93-5	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
Data File : BF119754.D
Acq On : 4 Apr 2020 9:24
Operator : MA/SJ
Sample : L2129-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-9

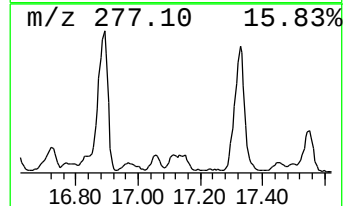
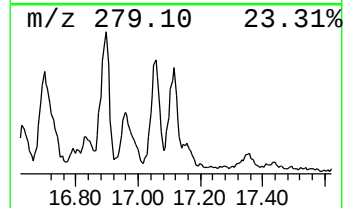
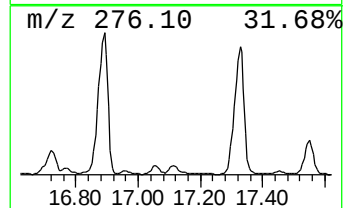
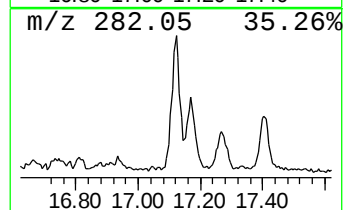
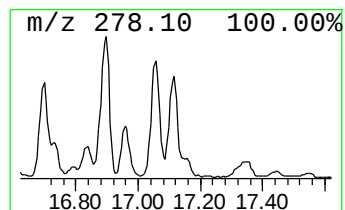
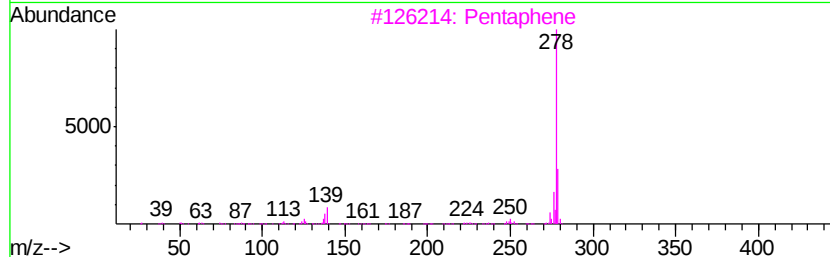
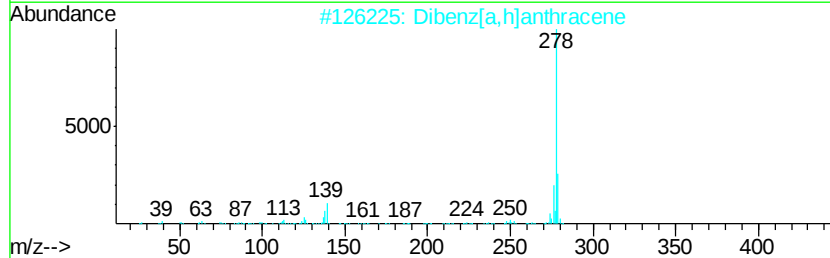
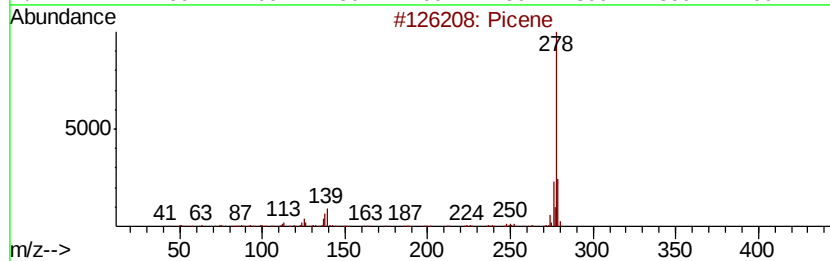
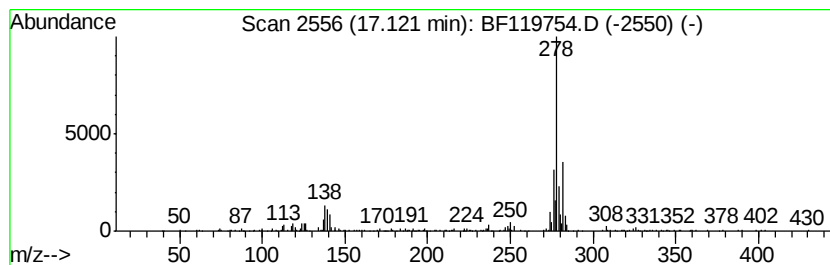
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	8.01 ng	378276	Perylene-d12	15.44

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Picene	278	C22H14	000213-46-7	98
2			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3			Pentaphene	278	C22H14	000222-93-5	96
4			Benzo[a]naphthacene	278	C22H14	000226-88-0	95
5			Benzo[b]chrysene	278	C22H14	000214-17-5	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040320\
 Data File : BF119754.D
 Acq On : 4 Apr 2020 9:24
 Operator : MA/SJ
 Sample : L2129-01
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

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
Phenanthrene, 2-m...	11.83	14.6	ng	977187	4	11.33	1338270	20.0
Phenanthrene, 1-m...	11.86	32.0	ng	2142540	4	11.33	1338270	20.0
Anthracene, 2-met...	11.91	8.4	ng	565178	4	11.33	1338270	20.0
4H-Cyclopenta[def...	11.95	26.6	ng	1778210	4	11.33	1338270	20.0
1H-Cyclopropa[l]p...	11.97	8.6	ng	572033	4	11.33	1338270	20.0
Naphthalene, 2-ph...	12.13	10.7	ng	718049	4	11.33	1338270	20.0
9,10-Anthracenedione	12.16	6.8	ng	454776	4	11.33	1338270	20.0
Anthracene, 2-ethyl-	12.28	6.3	ng	424397	4	11.33	1338270	20.0
Phenanthrene, 2,5...	12.39	14.3	ng	957467	4	11.33	1338270	20.0
unknown12.43	12.43	6.9	ng	459401	4	11.33	1338270	20.0
Cyclopenta(def)ph...	12.47	12.1	ng	805987	4	11.33	1338270	20.0
Octadecanoic acid	12.65	8.1	ng	543121	4	11.33	1338270	20.0
unknown14.75	14.75	8.3	ng	392470	6	15.44	944331	20.0
Imidazole, 2-iodo...	14.85	9.9	ng	469312	6	15.44	944331	20.0
Benzo[e]pyrene	15.12	19.4	ng	916787	6	15.44	944331	20.0
Perylene	15.32	67.8	ng	3199550	6	15.44	944331	20.0
Benzo[b]triphenylene	17.06	10.9	ng	515158	6	15.44	944331	20.0
Picene	17.12	8.0	ng	378276	6	15.44	944331	20.0