

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031119\
 Data File : BF112975.D
 Acq On : 12 Mar 2019 00:38
 Operator : JU/SJ
 Sample : K1837-03 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-10-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-BF022719.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	5.334	548	552	562	rBV	784696	806966	25.90%	2.154%
2	6.363	723	727	746	rBV	960383	930060	29.86%	2.482%
3	6.498	746	750	759	rBV	1026963	918577	29.49%	2.452%
4	6.728	786	789	799	rBV	914927	840132	26.97%	2.242%
5	6.886	812	816	821	rBV	854442	709201	22.77%	1.893%
6	7.286	880	884	897	rBV	535549	533756	17.13%	1.425%
7	8.016	1004	1008	1014	rBV	1041397	1079609	34.66%	2.882%
8	8.063	1014	1016	1031	rVB	37354	91468	2.94%	0.244%
9	9.086	1187	1190	1205	rBV	1070584	1151447	36.96%	3.073%
10	9.480	1254	1257	1263	rVB	72371	68576	2.20%	0.183%
11	9.763	1301	1305	1308	rBV2	1660485	1482364	47.59%	3.957%
12	9.792	1308	1310	1320	rVB	234920	234799	7.54%	0.627%
13	9.969	1337	1340	1344	rBV	38451	39883	1.28%	0.106%
14	10.310	1395	1398	1404	rVB	117171	120744	3.88%	0.322%
15	10.375	1404	1409	1411	rBV	28020	33853	1.09%	0.090%
16	10.545	1434	1438	1445	rBV	946206	911107	29.25%	2.432%
17	10.675	1457	1460	1467	rVB3	29167	33503	1.08%	0.089%
18	11.045	1520	1523	1527	rVB	44331	41668	1.34%	0.111%
19	11.098	1527	1532	1535	rVV3	34789	55577	1.78%	0.148%
20	11.139	1535	1539	1545	rVB	88587	103607	3.33%	0.277%
21	11.239	1552	1556	1558	rBV	1816104	1638125	52.59%	4.372%
22	11.263	1558	1560	1564	rVV	2048079	1819661	58.41%	4.857%
23	11.316	1565	1569	1573	rVB	371939	346200	11.11%	0.924%
24	11.469	1589	1595	1599	rBV	134105	152167	4.88%	0.406%
25	11.539	1604	1607	1610	rVV2	50550	52531	1.69%	0.140%
26	11.574	1610	1613	1619	rVB3	30126	36064	1.16%	0.096%
27	11.739	1636	1641	1644	rBV	172436	176896	5.68%	0.472%
28	11.769	1644	1646	1651	rVV	276210	280745	9.01%	0.749%
29	11.816	1651	1654	1657	rVV	73288	75832	2.43%	0.202%
30	11.851	1657	1660	1663	rVV	443784	453365	14.55%	1.210%
31	11.874	1663	1664	1669	rVB	122468	75515	2.42%	0.202%
32	12.033	1688	1691	1693	rBV	155862	143948	4.62%	0.384%
33	12.057	1693	1695	1702	rVB	181791	164932	5.29%	0.440%
34	12.292	1731	1735	1737	rBV	79831	84696	2.72%	0.226%

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Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
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 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

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35	12.327	1737	1741	1743	rVV	61660	79013	2.54%	0.211%
36	12.368	1746	1748	1753	rVV2	97906	107110	3.44%	0.286%
37	12.451	1757	1762	1765	rVV	3441327	3060181	98.24%	8.168%
38	12.504	1767	1771	1775	rVV3	51118	93673	3.01%	0.250%
39	12.598	1779	1787	1792	rVV2	103154	192876	6.19%	0.515%
40	12.674	1794	1800	1806	rVV	2757493	3115144	100.00%	8.315%
41	12.721	1806	1808	1815	rVB	110212	111185	3.57%	0.297%
42	12.792	1817	1820	1822	rBV	141992	144618	4.64%	0.386%
43	12.816	1822	1824	1832	rVB	1195156	1180326	37.89%	3.150%
44	12.898	1832	1838	1840	rBV2	121205	211914	6.80%	0.566%
45	12.921	1840	1842	1845	rVV	57265	48379	1.55%	0.129%
46	12.980	1845	1852	1853	rVV5	107665	145766	4.68%	0.389%
47	13.004	1853	1856	1859	rVB	346497	348630	11.19%	0.931%
48	13.068	1864	1867	1870	rBV	323043	295455	9.48%	0.789%
49	13.104	1870	1873	1875	rVV	193724	187892	6.03%	0.501%
50	13.127	1875	1877	1881	rVB	129338	121519	3.90%	0.324%
51	13.163	1881	1883	1886	rBV2	47052	43812	1.41%	0.117%
52	13.198	1886	1889	1891	rVB	76246	59390	1.91%	0.159%
53	13.227	1891	1894	1898	rBV2	88804	92707	2.98%	0.247%
54	13.380	1917	1920	1922	rBV3	38889	50280	1.61%	0.134%
55	13.504	1934	1941	1947	rBV2	115341	204854	6.58%	0.547%
56	13.615	1956	1960	1963	rBV2	208342	249894	8.02%	0.667%
57	13.645	1963	1965	1967	rVV	204323	187046	6.00%	0.499%
58	13.668	1967	1969	1973	rVV2	185950	252557	8.11%	0.674%
59	13.710	1973	1976	1982	rVB2	134357	181913	5.84%	0.486%
60	13.863	1994	2002	2005	rBV2	1931340	2947538	94.62%	7.867%
61	13.892	2005	2007	2010	rVB	1223416	945721	30.36%	2.524%
62	13.968	2017	2020	2024	rBV	299804	273836	8.79%	0.731%
63	14.051	2032	2034	2037	rVV2	76751	68002	2.18%	0.182%
64	14.086	2037	2040	2044	rVB2	113330	137766	4.42%	0.368%
65	14.251	2064	2068	2071	rBV	154311	174456	5.60%	0.466%
66	14.286	2071	2074	2078	rVV3	96214	101444	3.26%	0.271%
67	14.345	2081	2084	2087	rVV2	160476	184758	5.93%	0.493%
68	14.374	2087	2089	2090	rVV	119188	94298	3.03%	0.252%
69	14.392	2090	2092	2096	rVB2	139441	144823	4.65%	0.387%
70	14.874	2170	2174	2183	rBV	973161	1845368	59.24%	4.925%
71	15.157	2218	2222	2227	rVB	518001	619465	19.89%	1.653%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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72	15.215	2227	2232	2237	rBV	750610	941490	30.22%	2.513%
73	15.274	2237	2242	2245	rVV	813436	1075040	34.51%	2.869%
74	15.298	2245	2246	2253	rVB2	254217	342711	11.00%	0.915%
75	15.715	2315	2317	2322	rVB2	78760	99069	3.18%	0.264%
76	16.627	2468	2472	2483	rVB2	286979	536970	17.24%	1.433%
77	17.039	2537	2542	2552	rVB	217346	479744	15.40%	1.280%

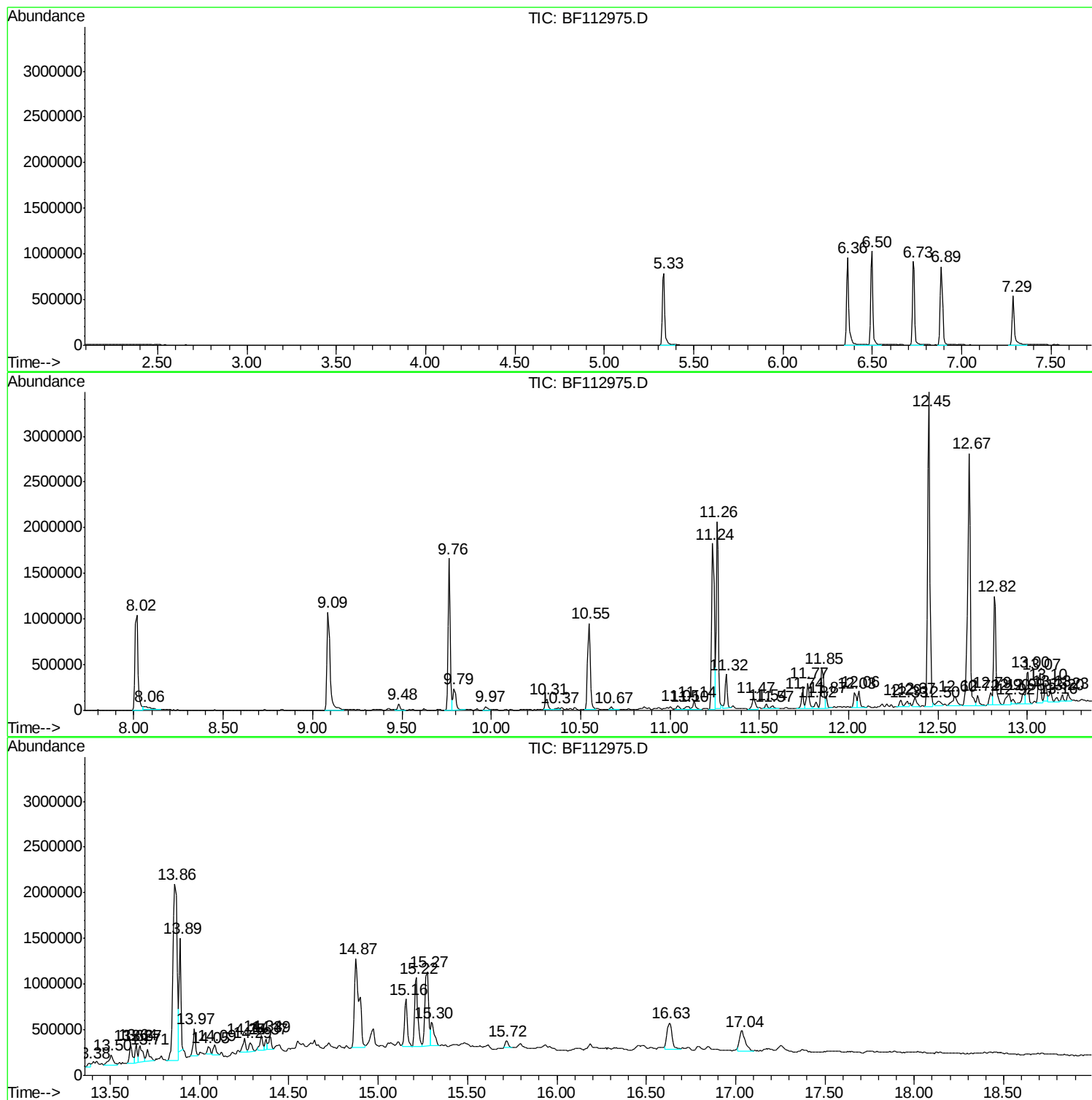
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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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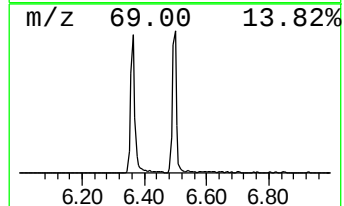
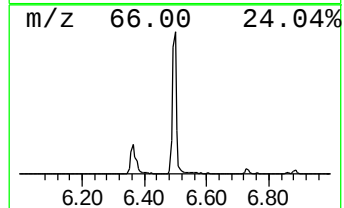
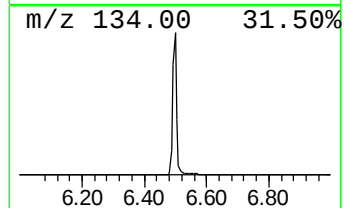
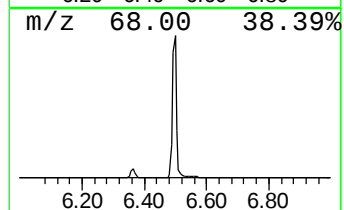
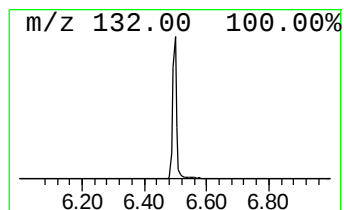
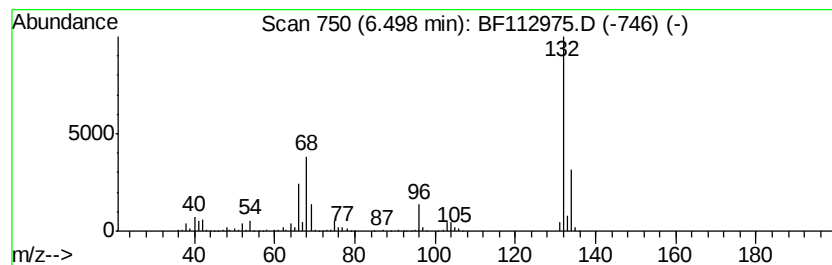
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	21.87 ng	918577	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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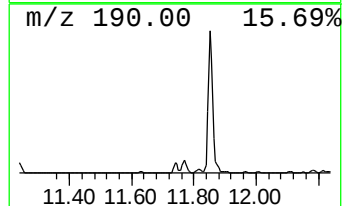
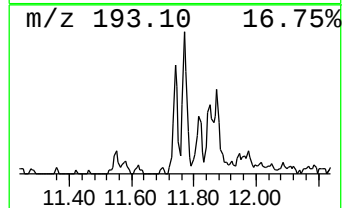
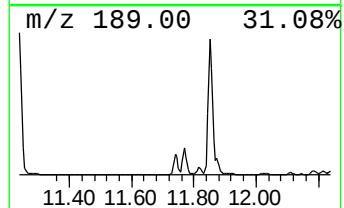
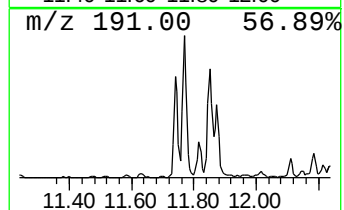
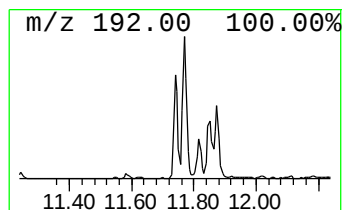
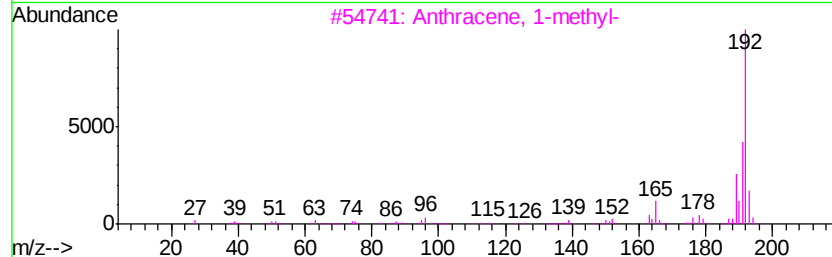
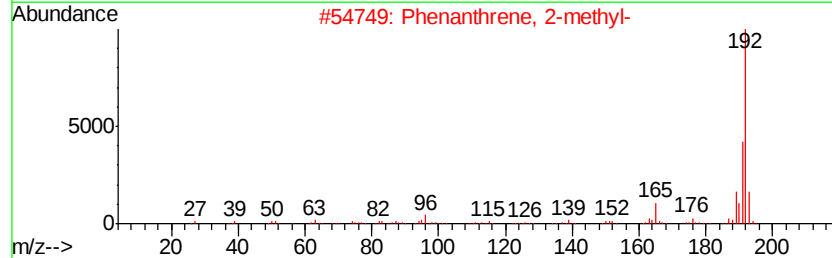
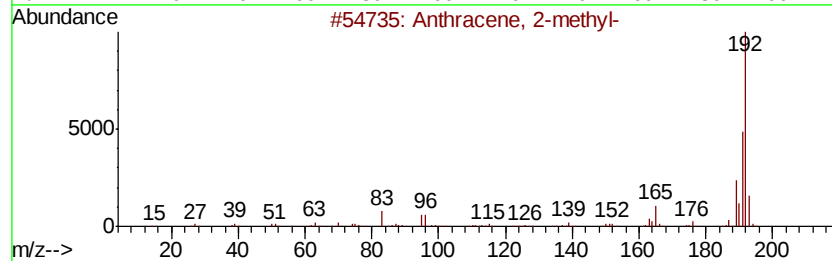
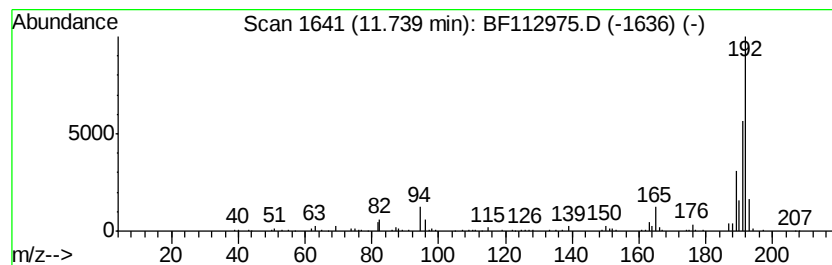
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	2.16 ng	176896	Phenanthrene-d10	11.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	93
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



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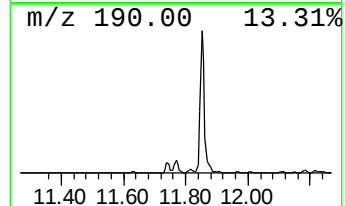
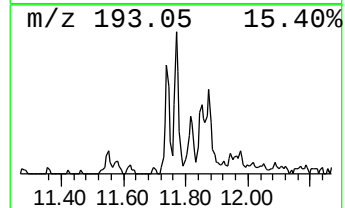
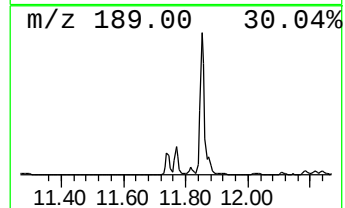
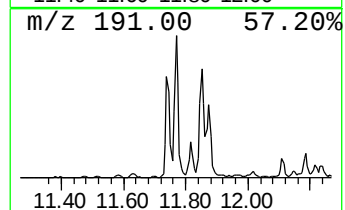
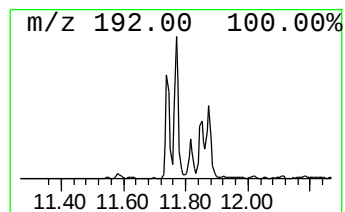
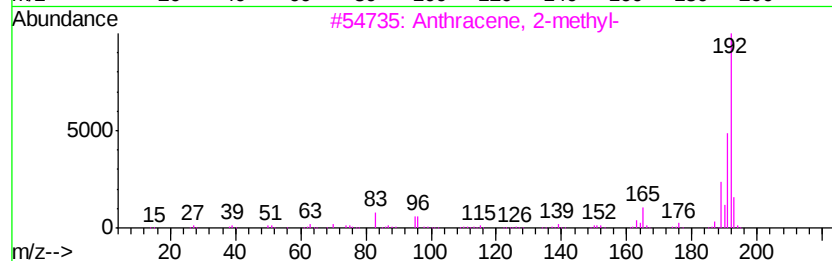
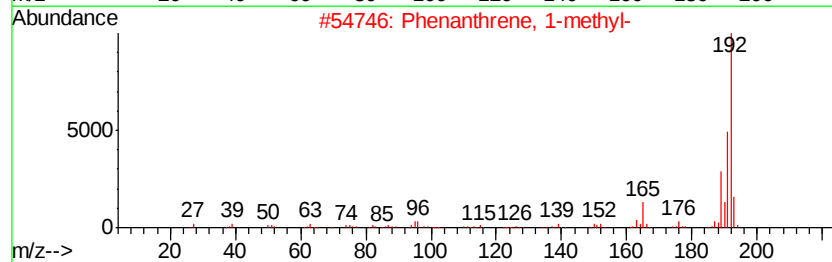
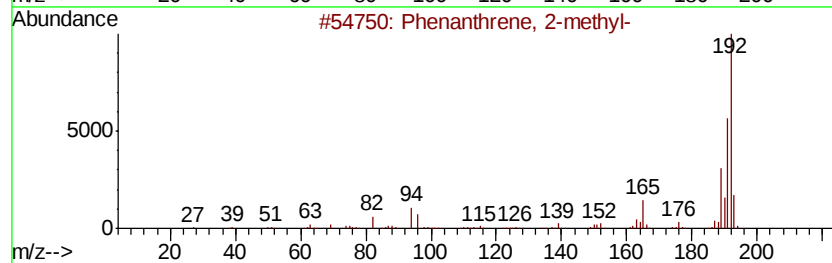
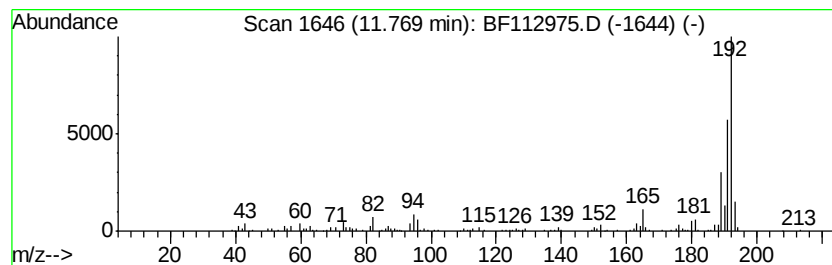
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.77	3.43 ng	280745	Phenanthrene-d10	11.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95



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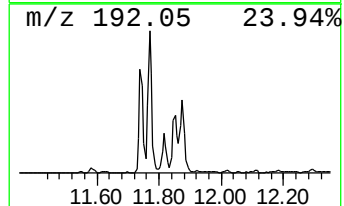
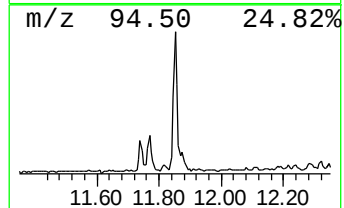
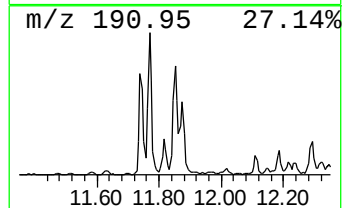
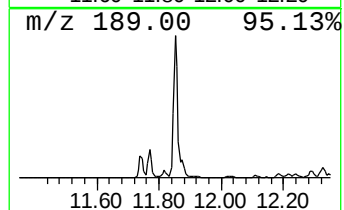
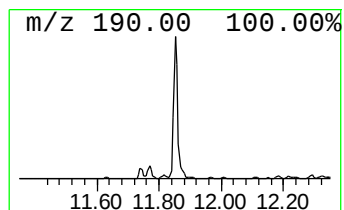
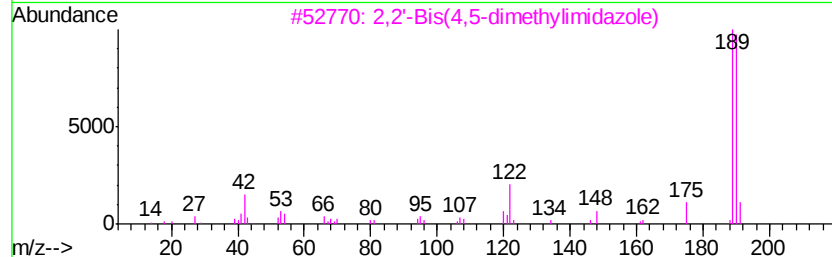
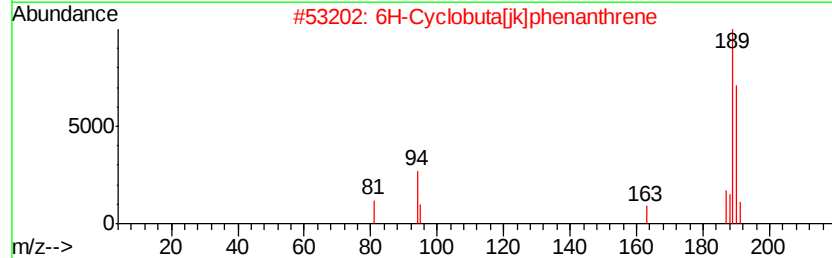
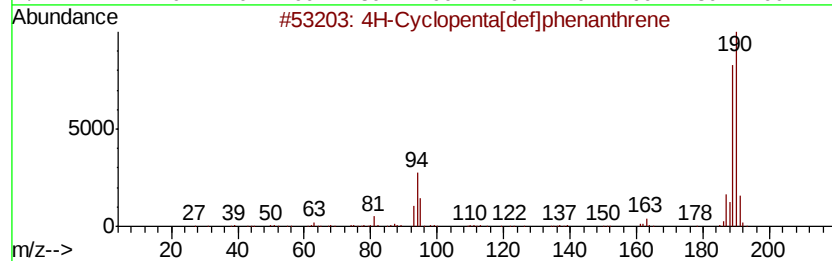
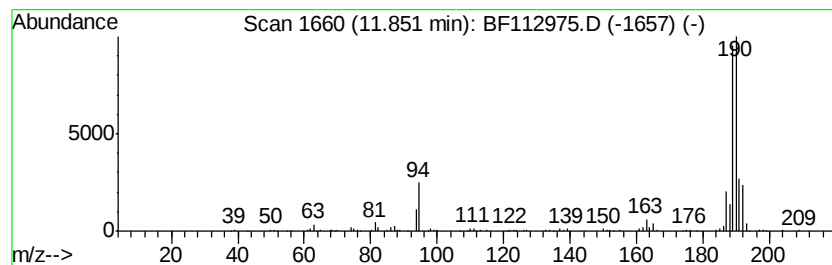
Instrument :
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ClientSampleId :
MR-MH-10-COMP

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	5.54 ng	453365	Phenanthrene-d10	11.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jkl]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	2-Naphthaldehyde, 1,2,3,4-tetra...	190	C12H14O2	002472-02-8	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112975.D
Acq On : 12 Mar 2019 00:38
Operator : JU/SJ
Sample : K1837-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MR-MH-10-COMP

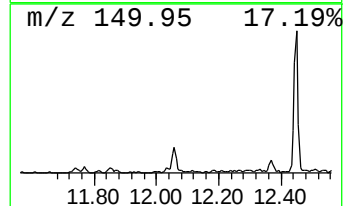
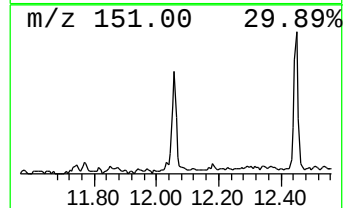
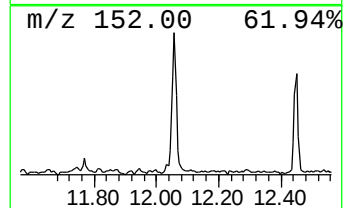
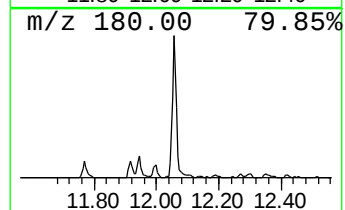
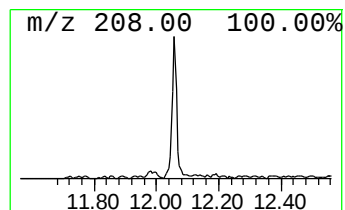
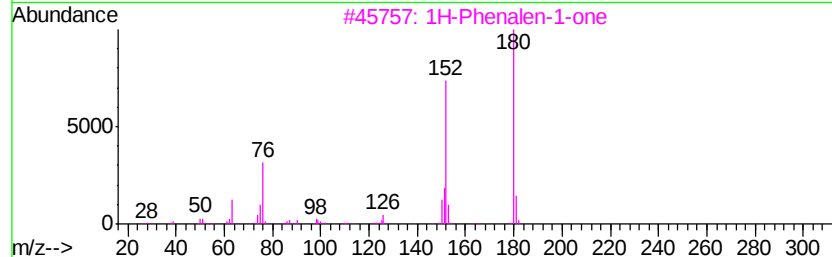
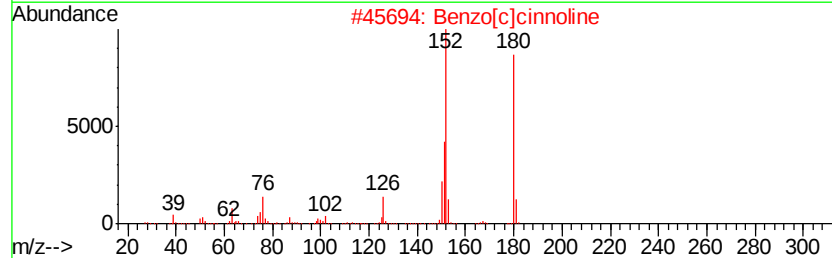
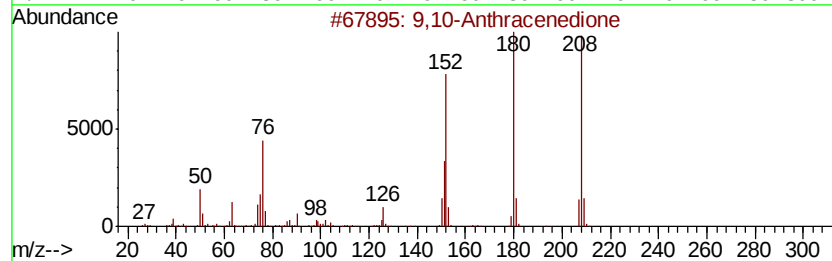
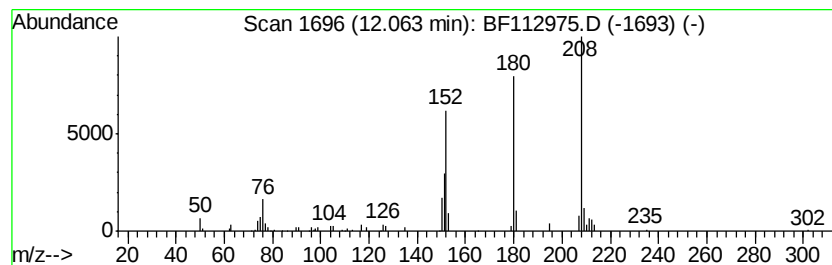
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	2.01 ng	164932	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112975.D
Acq On : 12 Mar 2019 00:38
Operator : JU/SJ
Sample : K1837-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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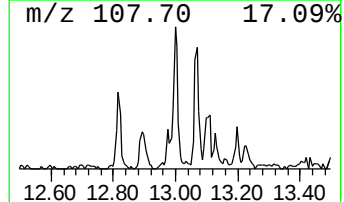
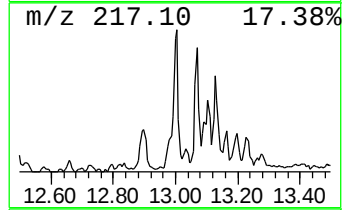
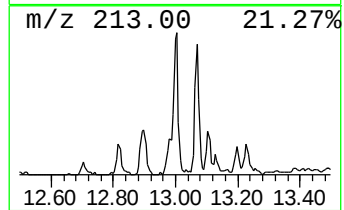
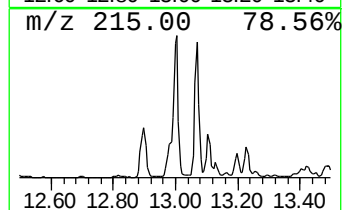
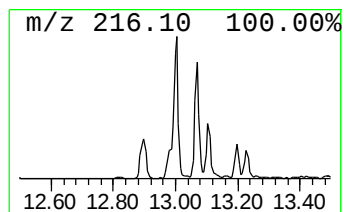
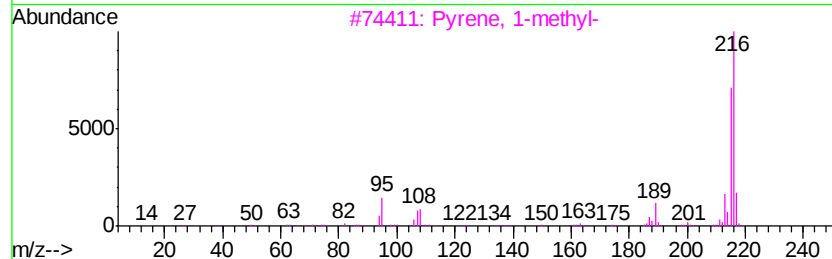
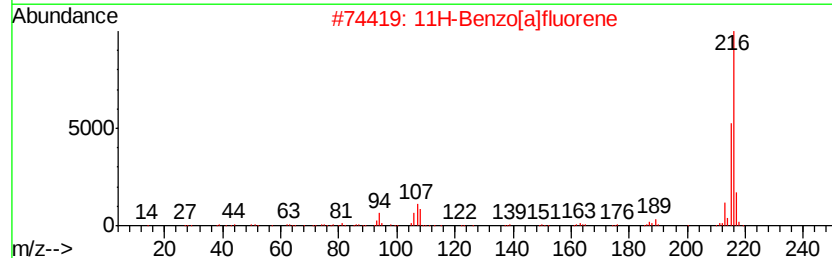
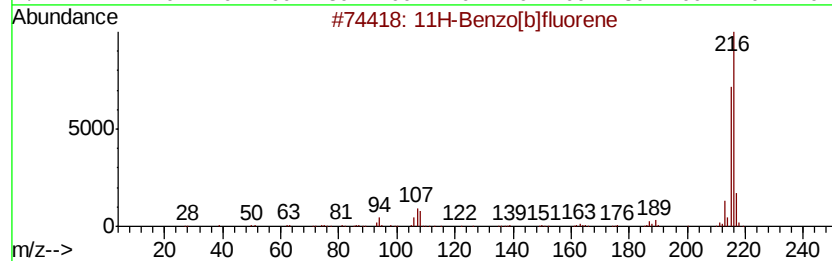
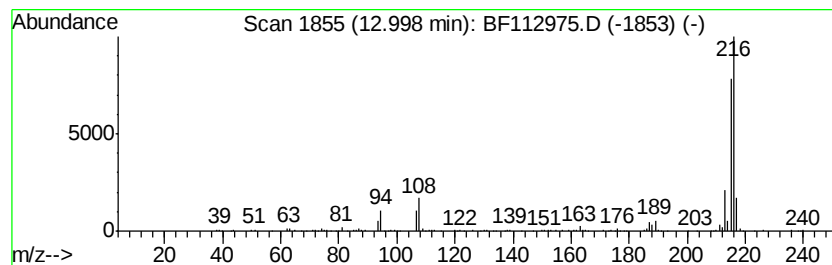
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.37 ng	348630	Chrysene-d12	13.87

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	91
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112975.D
Acq On : 12 Mar 2019 00:38
Operator : JU/SJ
Sample : K1837-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MR-MH-10-COMP

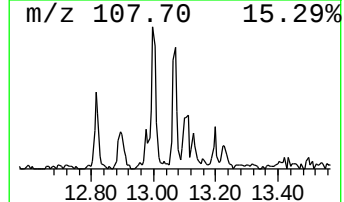
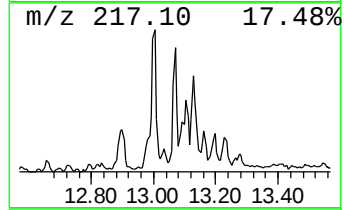
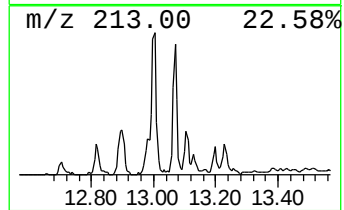
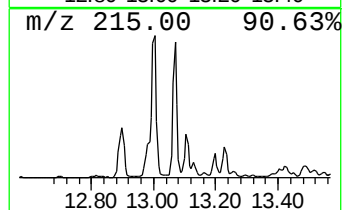
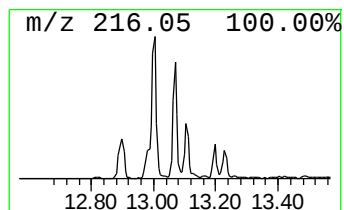
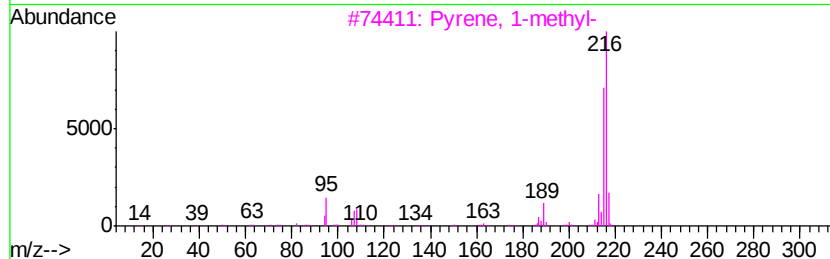
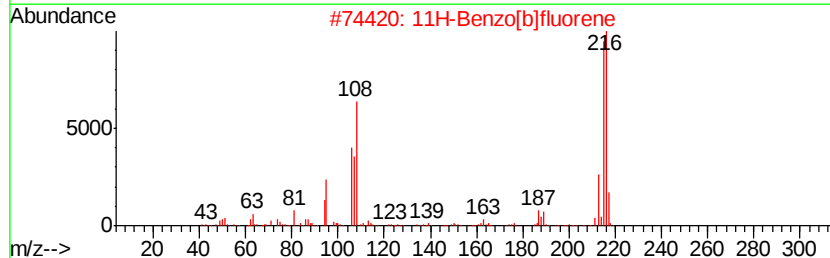
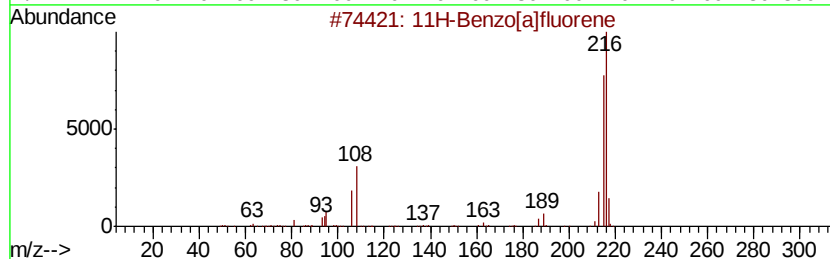
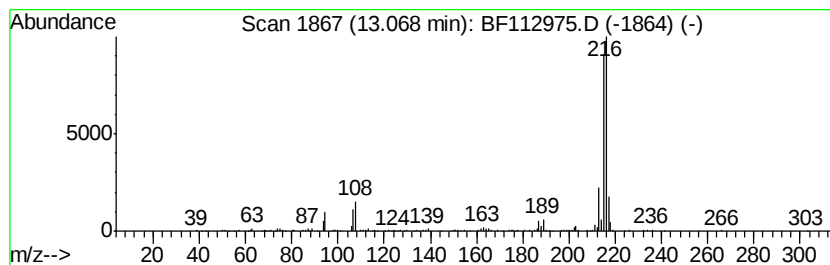
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown13..07 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.00 ng	295455	Chrysene-d12	13.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	90
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112975.D
Acq On : 12 Mar 2019 00:38
Operator : JU/SJ
Sample : K1837-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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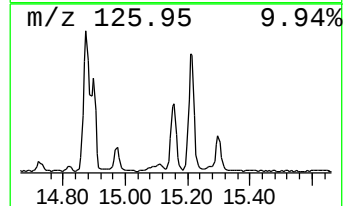
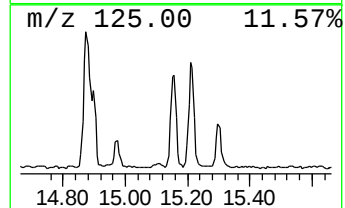
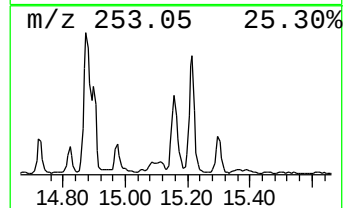
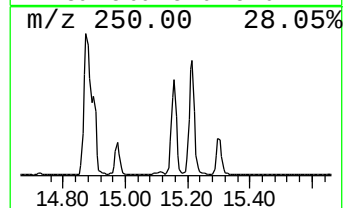
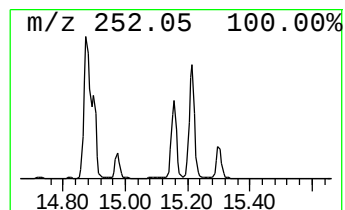
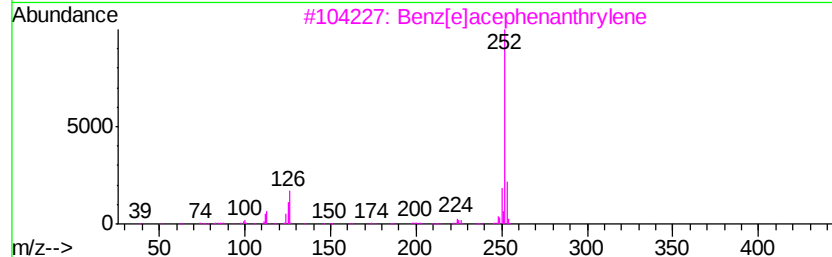
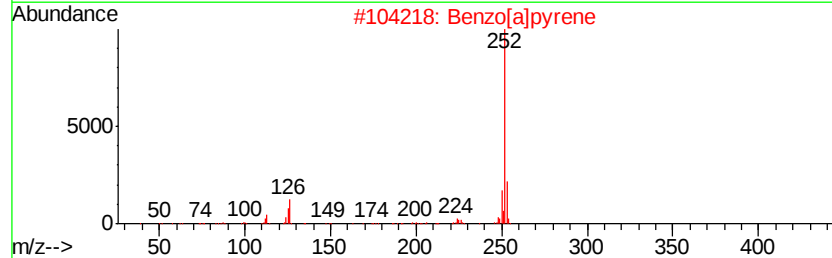
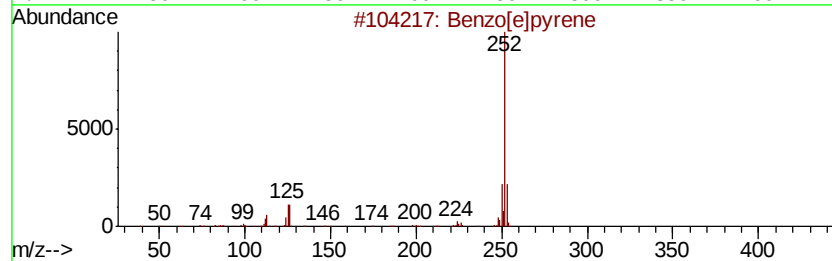
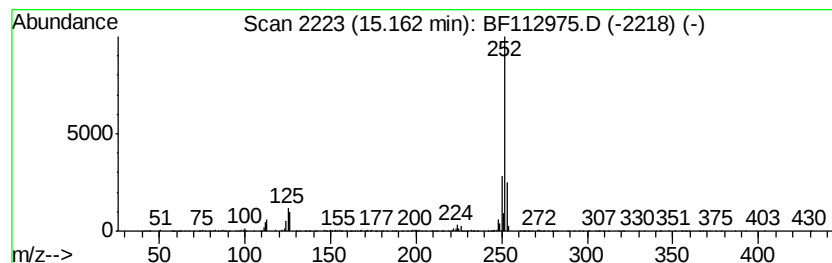
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	11.52 ng	619465	Perylene-d12	15.27

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[a]pyrene	252	C20H12	000050-32-8	96
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	95
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031119\
Data File : BF112975.D
Acq On : 12 Mar 2019 00:38
Operator : JU/SJ
Sample : K1837-03 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MR-MH-10-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
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Anthracene, 2-met...	11.74	2.2	ng	176896	4	11.24	1638130	20.0
Phenanthrene, 2-m...	11.77	3.4	ng	280745	4	11.24	1638130	20.0
4H-Cyclopenta[def...	11.85	5.5	ng	453365	4	11.24	1638130	20.0
9,10-Anthracenedione	12.06	2.0	ng	164932	4	11.24	1638130	20.0
11H-Benzo[b]fluorene	13.00	2.4	ng	348630	5	13.87	2947540	20.0
unknown13..07	13.07	2.0	ng	295455	5	13.87	2947540	20.0
Benzo[e]pyrene	15.16	11.5	ng	619465	6	15.27	1075040	20.0