

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
 Data File : BF116861.D
 Acq On : 6 Sep 2019 14:54
 Operator : HP/JU
 Sample : K4650-15 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

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-BF083019.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	5.463	570	574	587	rBV	704550	683726	30.85%	2.209%
2	6.475	742	746	757	rBV	881032	763145	34.43%	2.465%
3	6.616	766	770	773	rBV	918387	779301	35.16%	2.517%
4	6.845	806	809	817	rBV	564884	451848	20.39%	1.460%
5	7.004	832	836	850	rVB	627456	589862	26.61%	1.905%
6	7.398	900	903	909	rBV	502139	450174	20.31%	1.454%
7	8.128	1021	1027	1030	rBV	733689	615099	27.75%	1.987%
8	9.198	1205	1209	1216	rBV	1132177	886817	40.01%	2.865%
9	9.286	1220	1224	1231	rBV4	21227	28419	1.28%	0.092%
10	9.539	1262	1267	1269	rBV	32211	32228	1.45%	0.104%
11	9.586	1273	1275	1285	rVB	323611	327782	14.79%	1.059%
12	9.739	1298	1301	1305	rBV	219123	184884	8.34%	0.597%
13	9.880	1321	1325	1328	rBV	882560	702106	31.68%	2.268%
14	9.910	1328	1330	1334	rVB	72946	60923	2.75%	0.197%
15	10.080	1355	1359	1363	rBV2	65028	60640	2.74%	0.196%
16	10.122	1363	1366	1372	rVB2	27218	29153	1.32%	0.094%
17	10.192	1375	1378	1381	rBV3	24495	30524	1.38%	0.099%
18	10.422	1414	1417	1423	rVB	83405	88824	4.01%	0.287%
19	10.492	1423	1429	1430	rBV3	19311	26262	1.18%	0.085%
20	10.580	1441	1444	1447	rBV	36029	28601	1.29%	0.092%
21	10.663	1454	1458	1463	rBV	602378	560075	25.27%	1.809%
22	10.786	1475	1479	1483	rBV3	71303	101789	4.59%	0.329%
23	10.974	1506	1511	1513	rBV3	42923	49813	2.25%	0.161%
24	11.104	1528	1533	1535	rBV2	36355	54794	2.47%	0.177%
25	11.121	1535	1536	1541	rVV2	51418	53501	2.41%	0.173%
26	11.169	1541	1544	1548	rVV	79017	78756	3.55%	0.254%
27	11.210	1548	1551	1553	rVV2	43438	48829	2.20%	0.158%
28	11.257	1557	1559	1565	rVB	72368	79569	3.59%	0.257%
29	11.363	1573	1577	1579	rBV	759930	681189	30.73%	2.200%
30	11.386	1579	1581	1585	rVV	1250124	1078304	48.65%	3.483%
31	11.439	1587	1590	1593	rVV	320263	267206	12.06%	0.863%
32	11.469	1593	1595	1599	rVB2	55125	60970	2.75%	0.197%
33	11.592	1611	1616	1618	rBV	102596	114476	5.16%	0.370%
34	11.657	1624	1627	1630	rVB	68998	54536	2.46%	0.176%

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35	11.692	1630	1633	1639	rVB3	59339	64897	2.93%	0.210%
36	11.863	1659	1662	1664	rBV	209422	189797	8.56%	0.613%
37	11.892	1664	1667	1671	rVV2	491405	452377	20.41%	1.461%
38	11.939	1673	1675	1678	rVV	116255	98854	4.46%	0.319%
39	11.974	1678	1681	1684	rVV	334758	387809	17.50%	1.253%
40	11.998	1684	1685	1689	rVB	168248	110323	4.98%	0.356%
41	12.063	1694	1696	1700	rVB3	33127	29382	1.33%	0.095%
42	12.157	1709	1712	1714	rBV	159913	136927	6.18%	0.442%
43	12.180	1714	1716	1720	rVB2	151047	139022	6.27%	0.449%
44	12.310	1735	1738	1740	rVB	50829	42971	1.94%	0.139%
45	12.339	1741	1743	1745	rBV	58576	42266	1.91%	0.137%
46	12.363	1745	1747	1750	rVB	60242	46356	2.09%	0.150%
47	12.416	1752	1756	1759	rBV2	165892	180550	8.15%	0.583%
48	12.451	1759	1762	1764	rVV2	92393	92031	4.15%	0.297%
49	12.498	1767	1770	1775	rVB	151038	152007	6.86%	0.491%
50	12.580	1779	1784	1787	rBV	2348260	2216435	100.00%	7.160%
51	12.621	1787	1791	1792	rBV2	35148	25552	1.15%	0.083%
52	12.639	1792	1794	1797	rVB2	45479	37902	1.71%	0.122%
53	12.674	1797	1800	1803	rBV	244675	249239	11.25%	0.805%
54	12.704	1803	1805	1807	rVV	45091	42480	1.92%	0.137%
55	12.727	1807	1809	1817	rVB2	73155	108420	4.89%	0.350%
56	12.810	1817	1823	1826	rBV	1985804	2202950	99.39%	7.116%
57	12.851	1828	1830	1836	rVB2	103712	125127	5.65%	0.404%
58	12.921	1839	1842	1843	rBV	130580	114989	5.19%	0.371%
59	12.945	1843	1846	1853	rVB	974316	883465	39.86%	2.854%
60	13.021	1854	1859	1862	rBV3	172140	278867	12.58%	0.901%
61	13.110	1870	1874	1875	rBV4	126950	143316	6.47%	0.463%
62	13.133	1875	1878	1881	rVB	335747	316719	14.29%	1.023%
63	13.198	1886	1889	1892	rVB	190942	137024	6.18%	0.443%
64	13.233	1892	1895	1898	rBV2	219771	234579	10.58%	0.758%
65	13.292	1903	1905	1908	rBV3	52734	56752	2.56%	0.183%
66	13.327	1909	1911	1914	rVV	108204	88257	3.98%	0.285%
67	13.357	1914	1916	1920	rVV2	115530	112723	5.09%	0.364%
68	13.639	1961	1964	1968	rVB	240239	241819	10.91%	0.781%
69	13.751	1979	1983	1985	rBV2	211328	255665	11.53%	0.826%
70	13.774	1985	1987	1990	rVV	183268	189650	8.56%	0.613%
71	13.804	1990	1992	1996	rVV2	180154	234630	10.59%	0.758%

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72	13.845	1996	1999	2005	rVB	356215	353708	15.96%	1.143%
73	13.998	2020	2025	2028	rBV2	1377470	1821098	82.16%	5.883%
74	14.033	2028	2031	2036	rVB	1135629	1083564	48.89%	3.500%
75	14.110	2041	2044	2048	rVB	122227	103130	4.65%	0.333%
76	14.145	2048	2050	2055	rBV2	98058	132898	6.00%	0.429%
77	14.221	2060	2063	2067	rBV2	106290	136663	6.17%	0.441%
78	14.392	2089	2092	2094	rVB	202236	193512	8.73%	0.625%
79	14.421	2095	2097	2101	rVB2	143833	146937	6.63%	0.475%
80	14.515	2111	2113	2115	rBV	118089	100244	4.52%	0.324%
81	15.051	2199	2204	2207	rBV	1052486	1725299	77.84%	5.573%
82	15.151	2218	2221	2225	rVB	246323	259019	11.69%	0.837%
83	15.351	2251	2255	2260	rVB	592468	834975	37.67%	2.697%
84	15.415	2261	2266	2271	rBV	917576	1190727	53.72%	3.846%
85	15.474	2272	2276	2279	rVV	439044	602857	27.20%	1.947%
86	15.504	2279	2281	2288	rVB2	270054	316363	14.27%	1.022%
87	16.939	2519	2525	2532	rVB	421848	810255	36.56%	2.617%
88	17.380	2594	2600	2610	rVB2	259816	579193	26.13%	1.871%

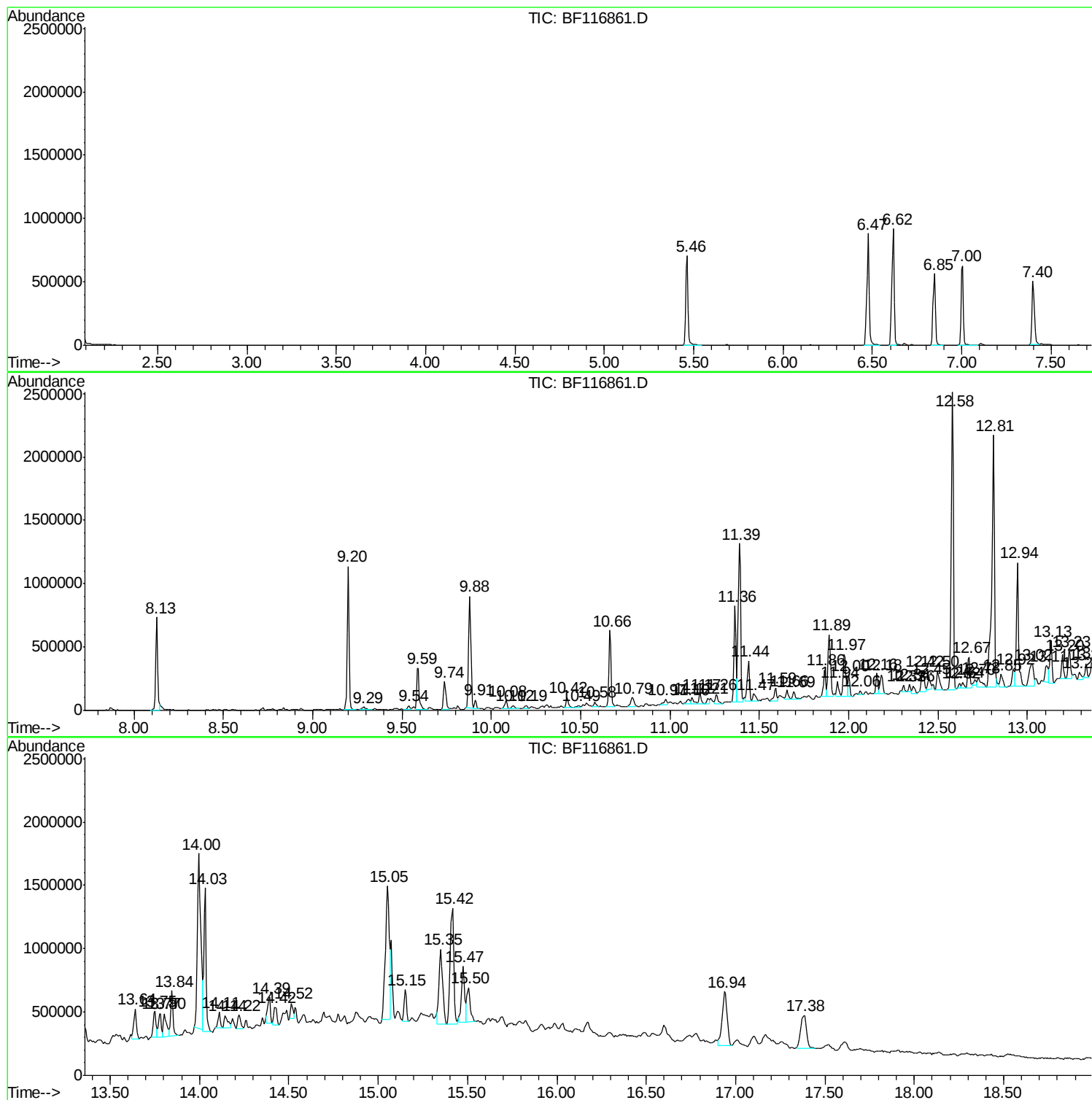
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BNA_F
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TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.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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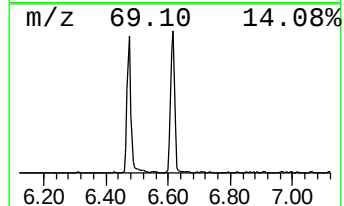
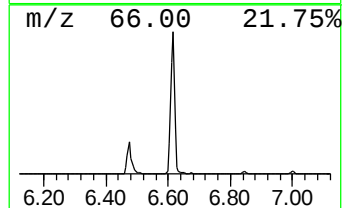
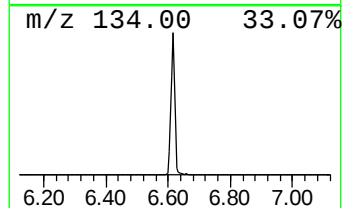
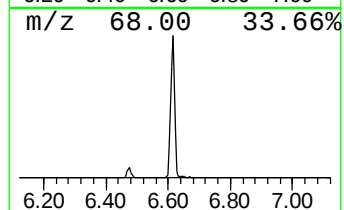
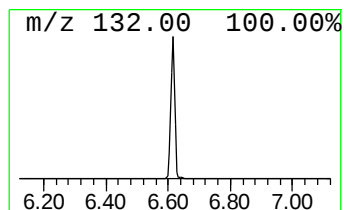
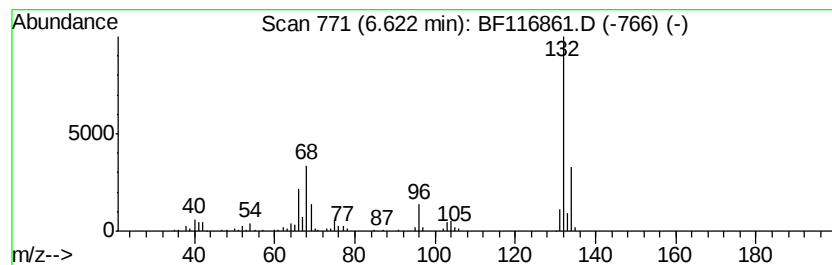
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	34.49 ng	779301	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranvlcypropane-propionyl	189	C12H15NO	1000123-86-3	12
4		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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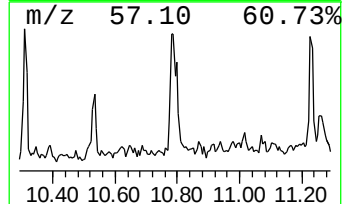
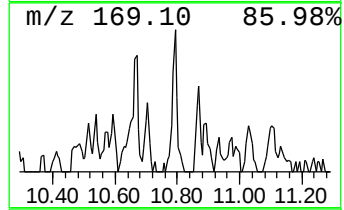
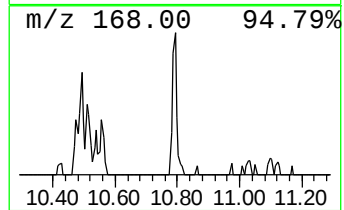
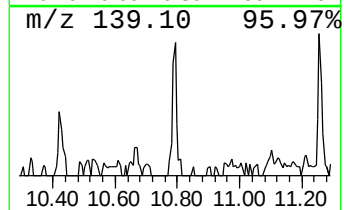
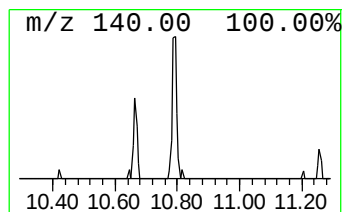
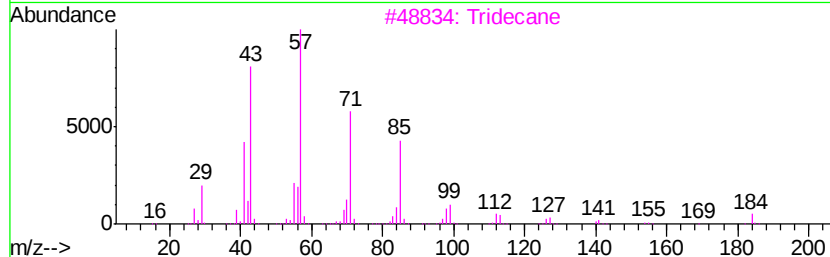
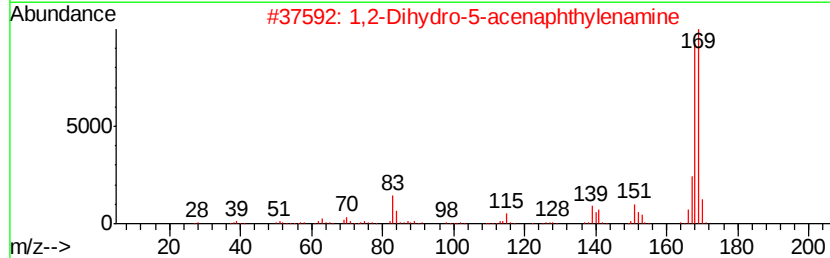
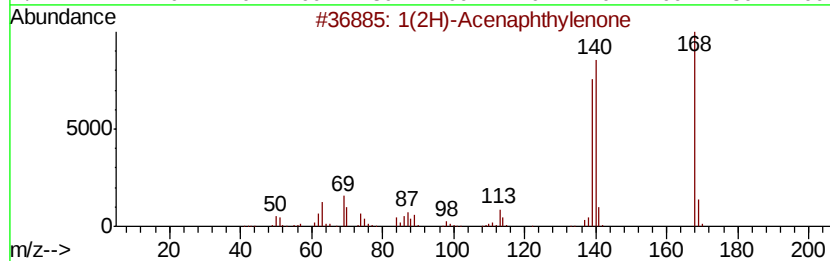
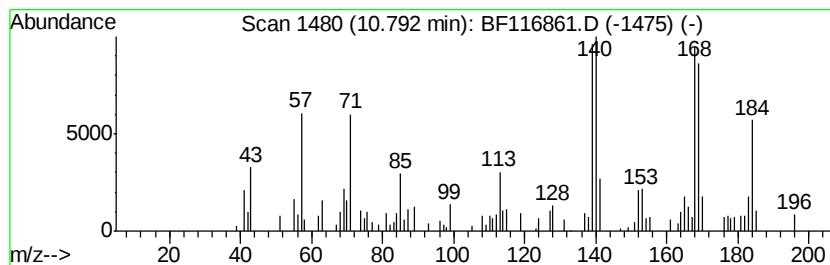
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 1(2H)-Acenaphthylenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.79	2.99 ng	101789	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthvlenone	168	C12H8O	002235-15-6	50
2	1,2-Dihydro-5-acenaphthvlenamine	169	C12H11N	004657-93-6	42
3	Tridecane	184	C13H28	000629-50-5	35
4	Benzaldehyde, 3-fluoro-4-hydroxy-	140	C7H5FO2	000405-05-0	27
5	2,4,6-Trihydroxytoluene	140	C7H8O3	000088-03-9	22



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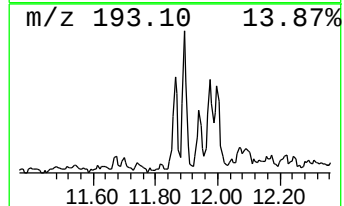
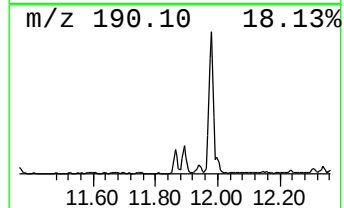
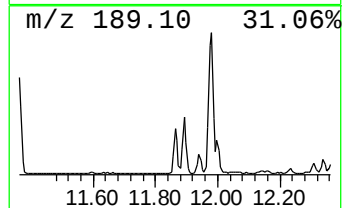
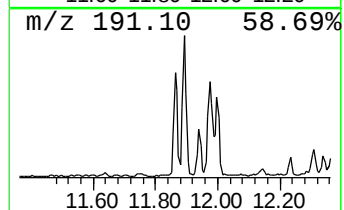
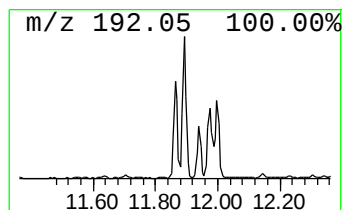
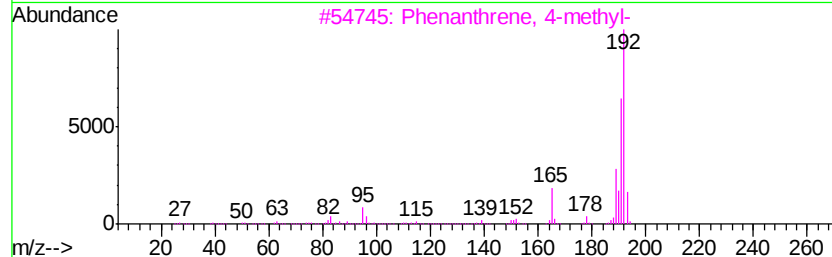
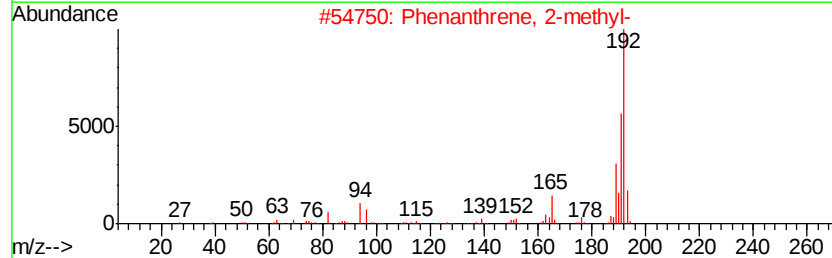
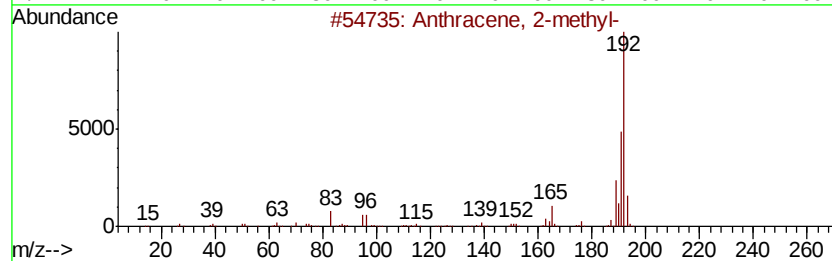
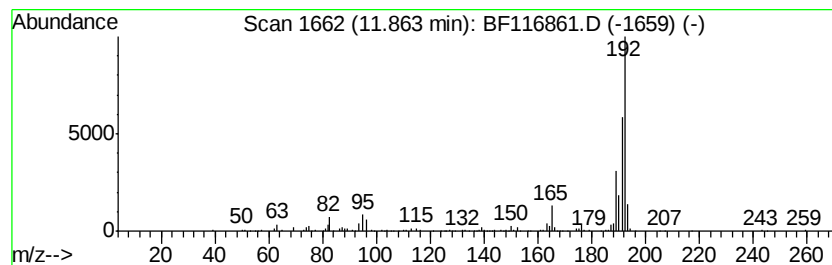
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.57 ng	189797	Phenanthrene-d10	11.36

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	94
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



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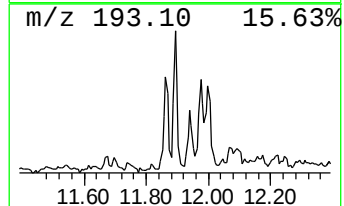
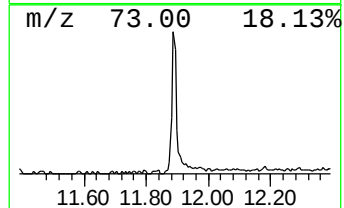
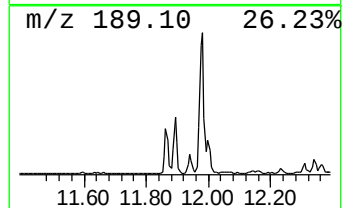
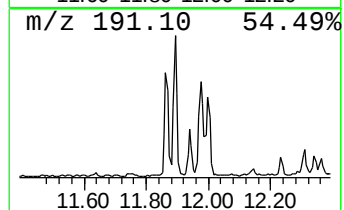
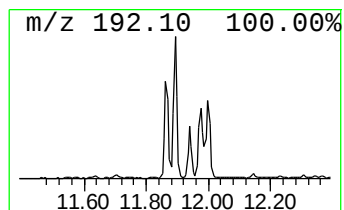
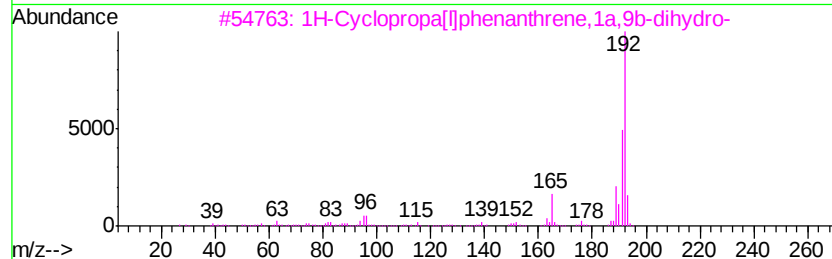
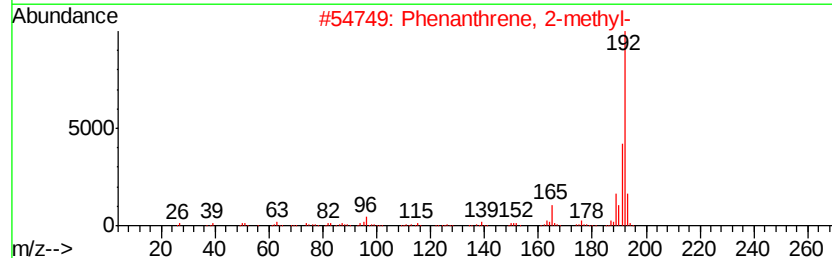
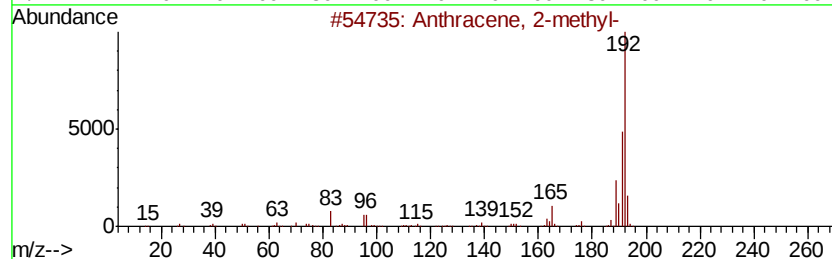
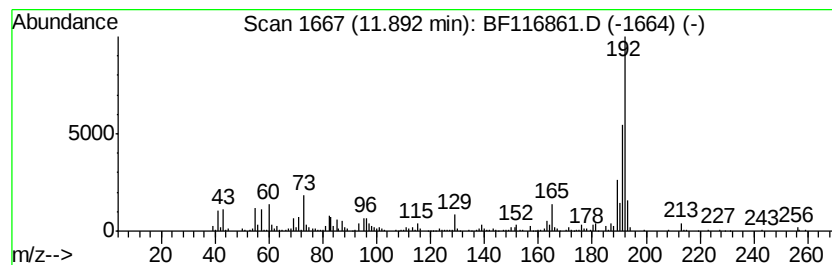
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	13.28 ng	452377	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116861.D
Acq On : 6 Sep 2019 14:54
Operator : HP/JU
Sample : K4650-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8

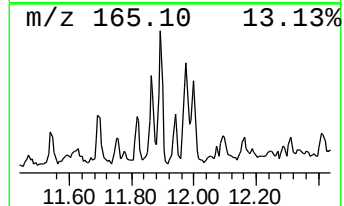
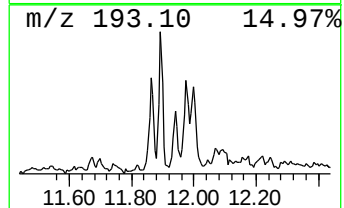
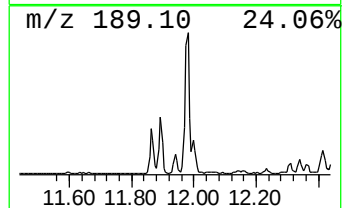
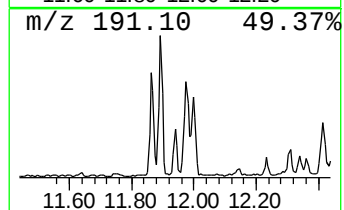
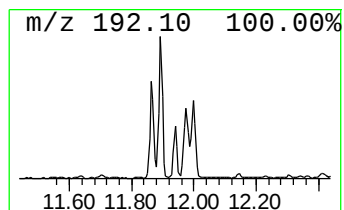
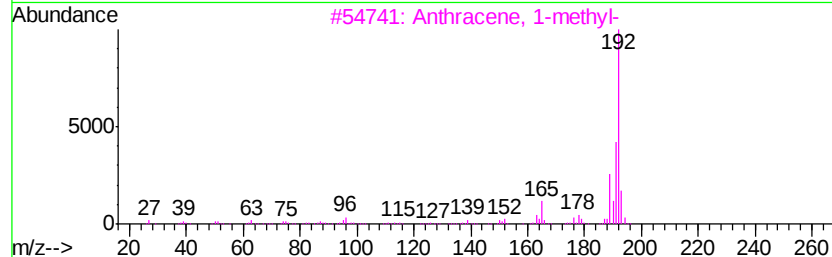
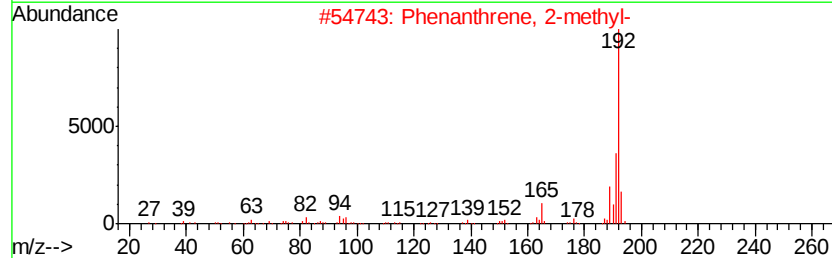
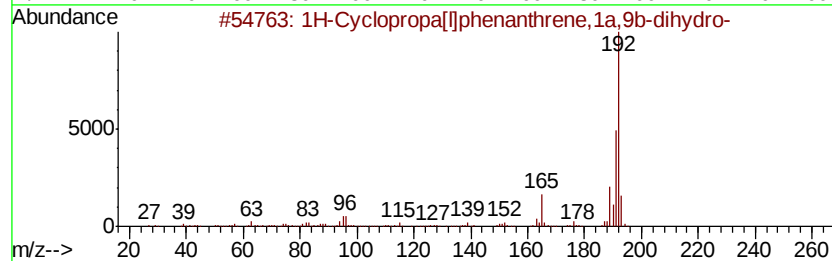
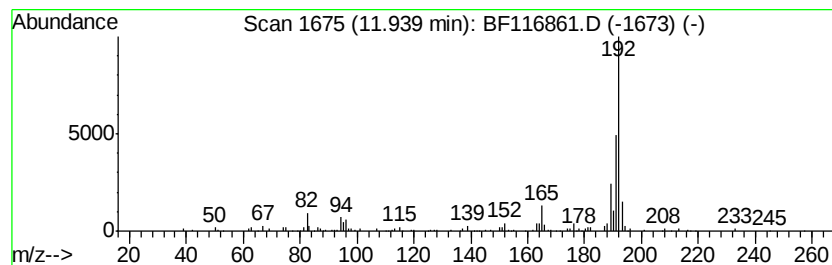
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.90 ng	98854	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116861.D
Acq On : 6 Sep 2019 14:54
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Sample : K4650-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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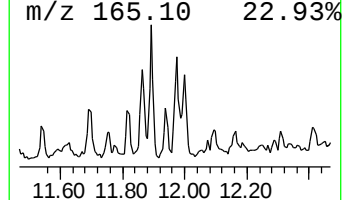
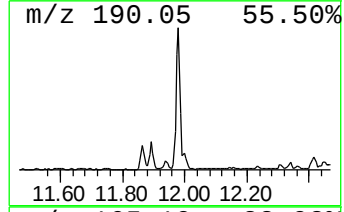
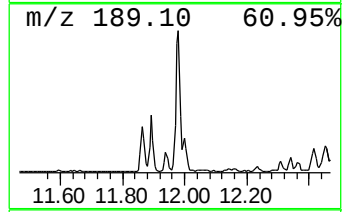
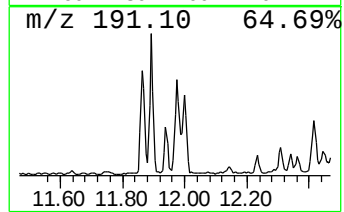
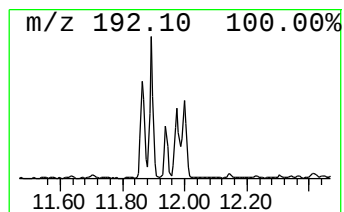
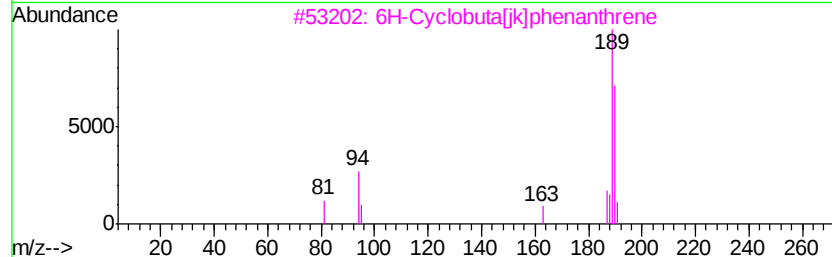
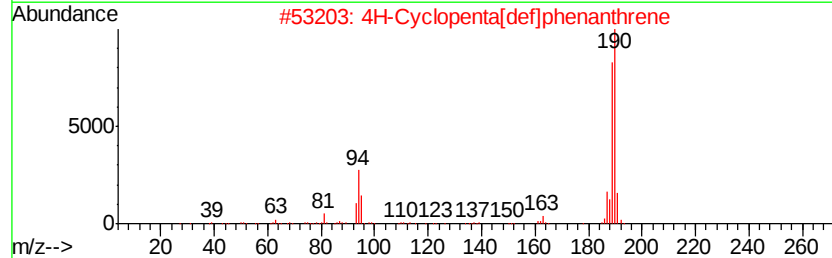
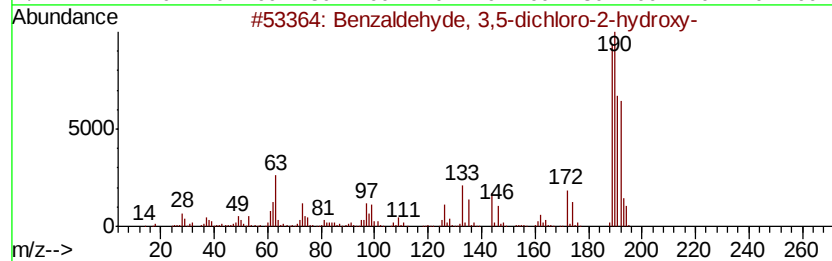
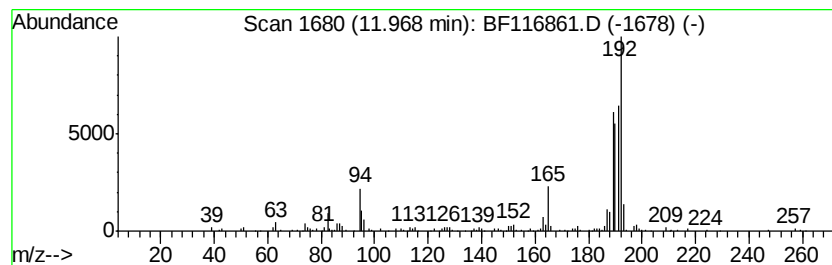
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	11.39 ng	387809	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzaldehydve, 3,5-dichloro-2-hvd...	190	C7H4Cl2O2	000090-60-8	64
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3		6H-Cyclobuta[f]k]phenanthrene	190	C15H10	083469-43-6	52
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116861.D
Acq On : 6 Sep 2019 14:54
Operator : HP/JU
Sample : K4650-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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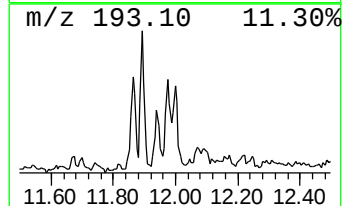
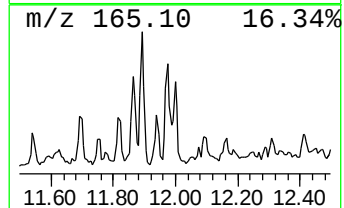
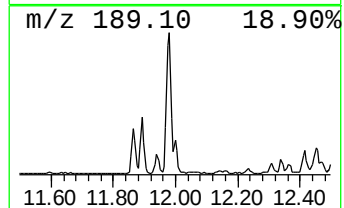
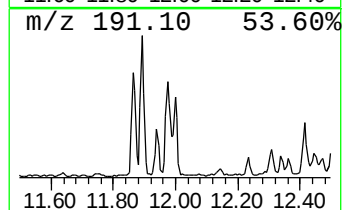
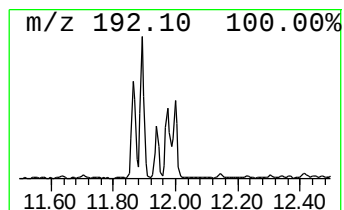
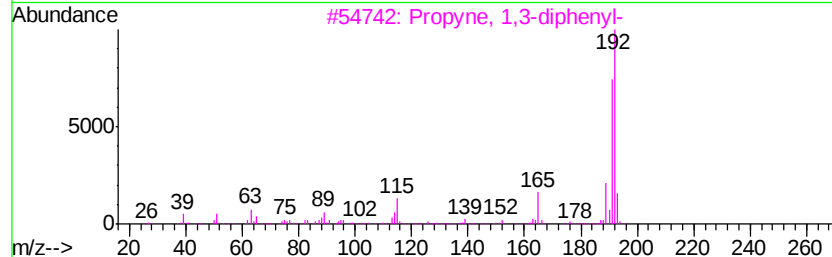
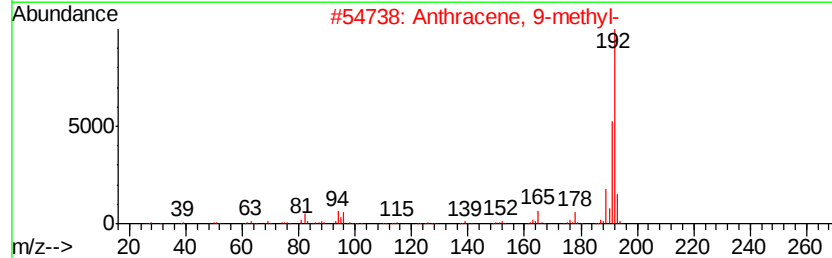
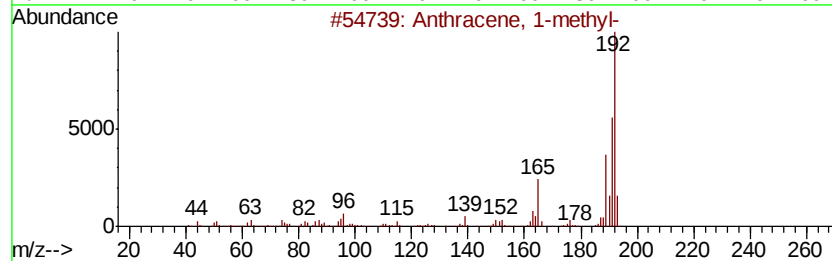
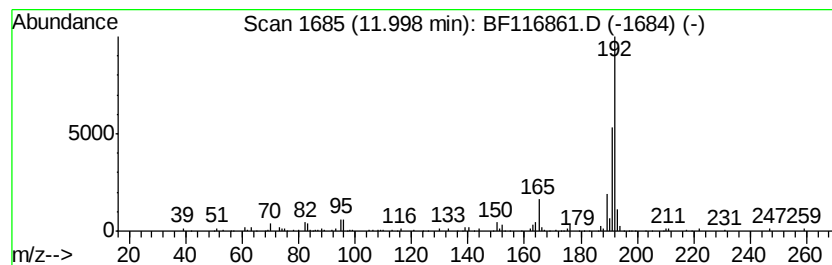
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.24 ng	110323	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	83
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116861.D
Acq On : 6 Sep 2019 14:54
Operator : HP/JU
Sample : K4650-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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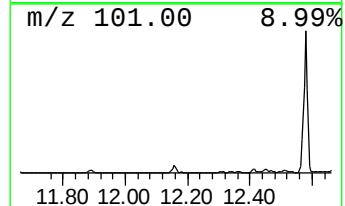
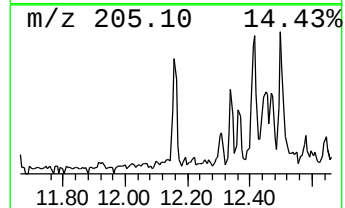
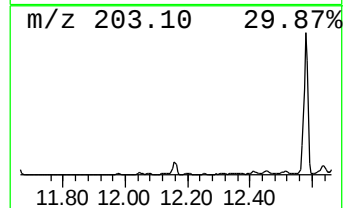
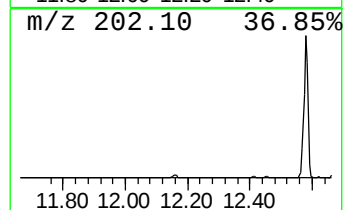
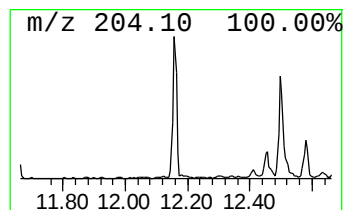
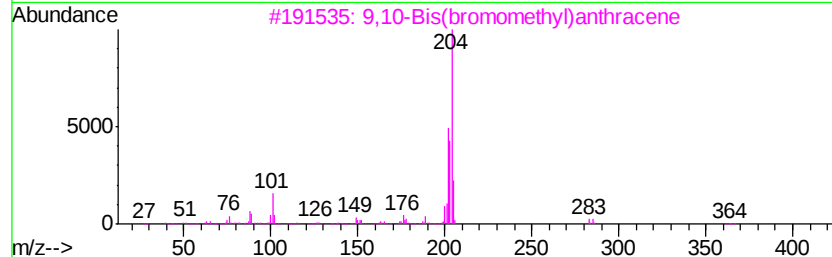
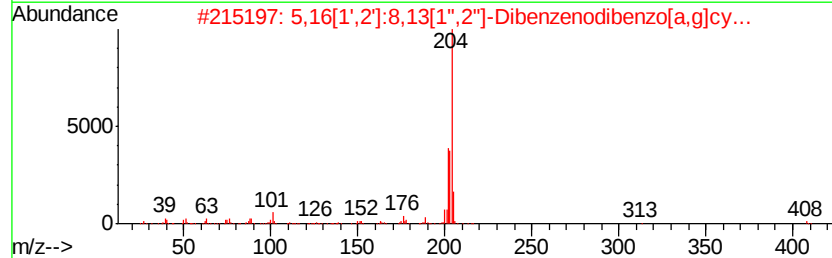
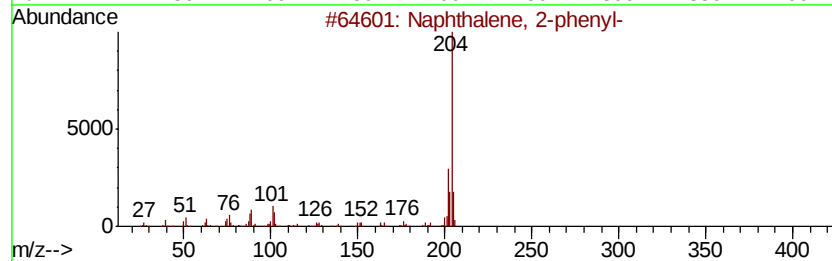
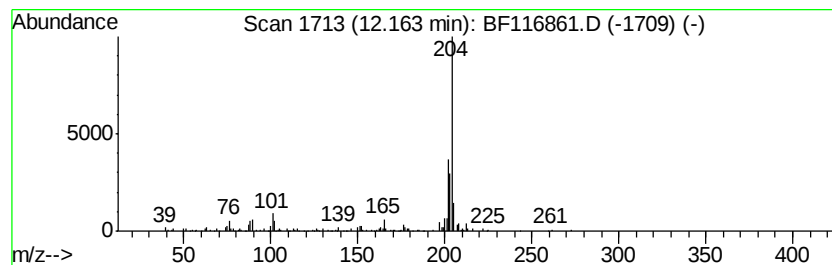
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	4.02 ng	136927	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50
5		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116861.D
Acq On : 6 Sep 2019 14:54
Operator : HP/JU
Sample : K4650-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8

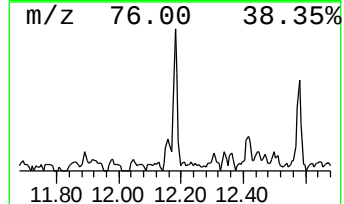
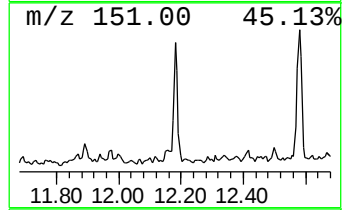
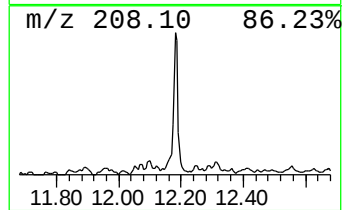
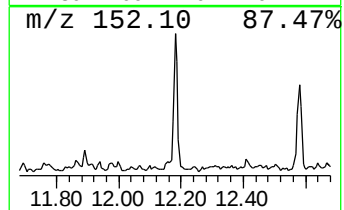
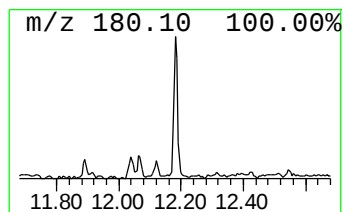
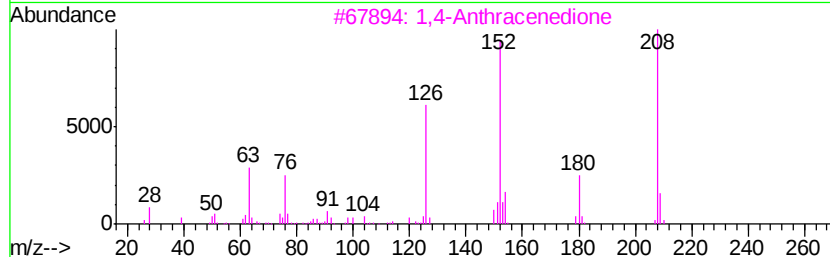
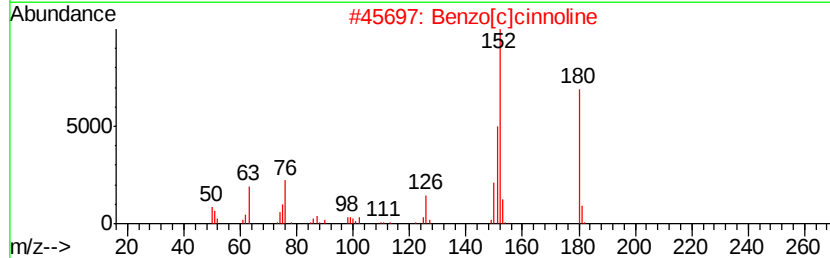
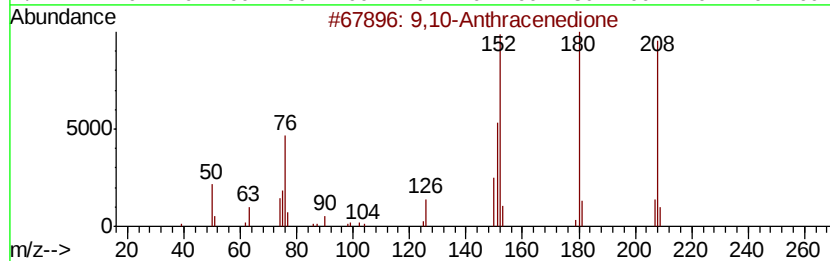
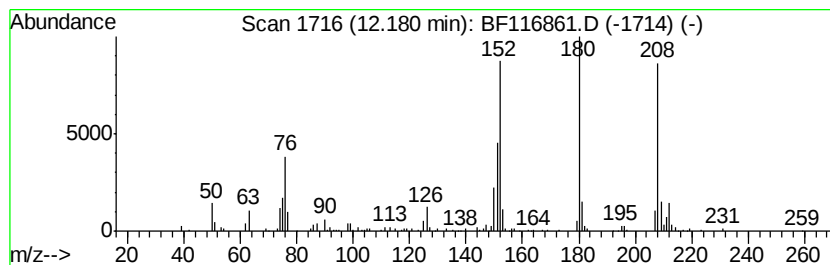
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	4.08 ng	139022	Phenanthrene-d10	11.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3			1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	49
5			9H-Fluoren-9-one	180	C13H8O	000486-25-9	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
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Acq On : 6 Sep 2019 14:54
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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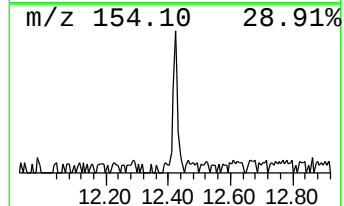
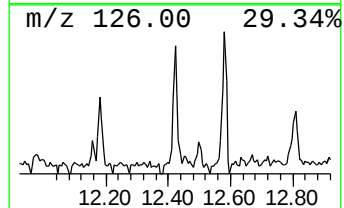
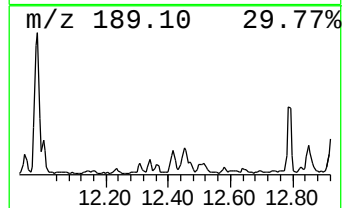
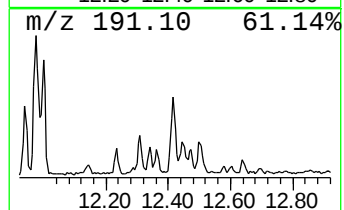
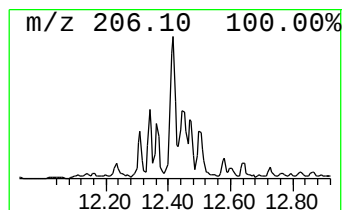
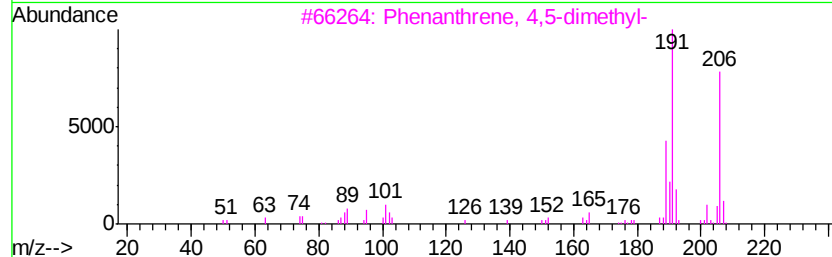
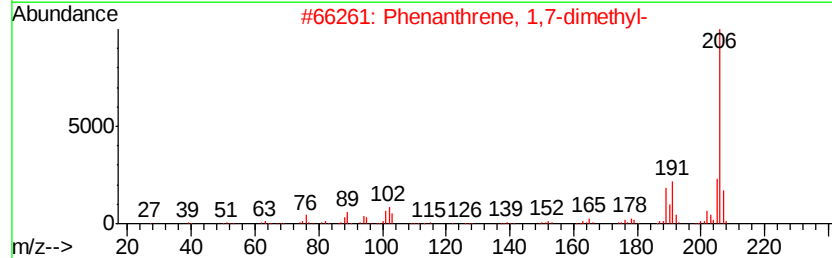
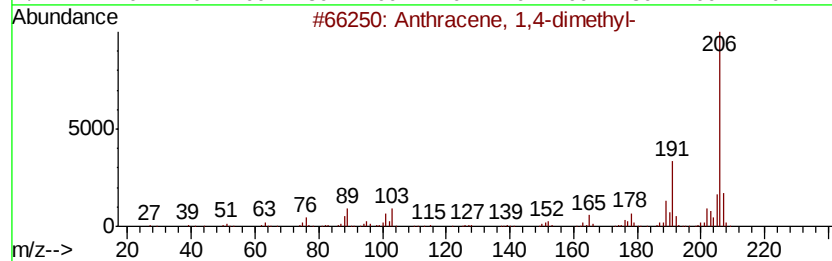
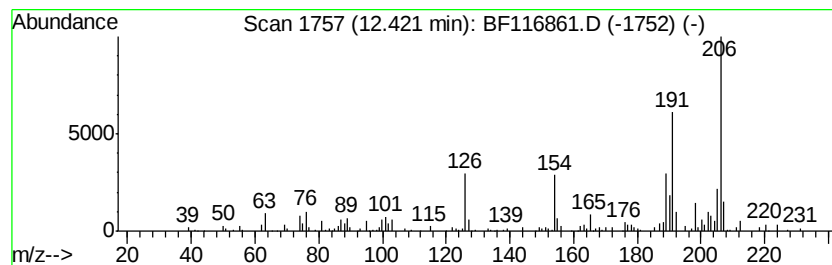
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	5.30 ng	180550	Phenanthrene-d10	11.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
3			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
4			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116861.D
Acq On : 6 Sep 2019 14:54
Operator : HP/JU
Sample : K4650-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

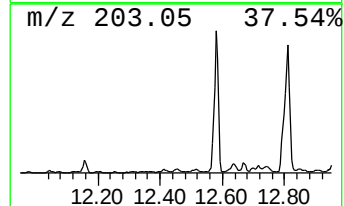
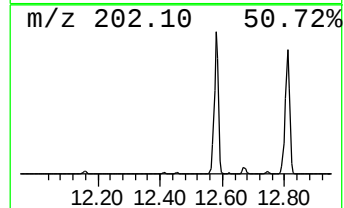
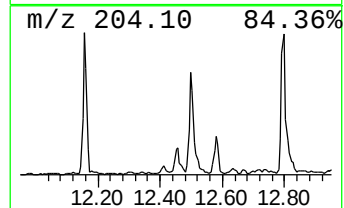
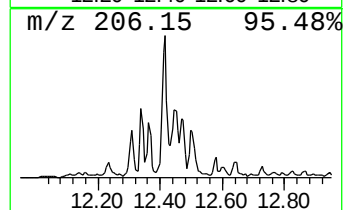
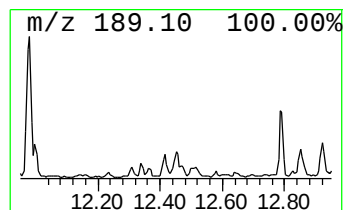
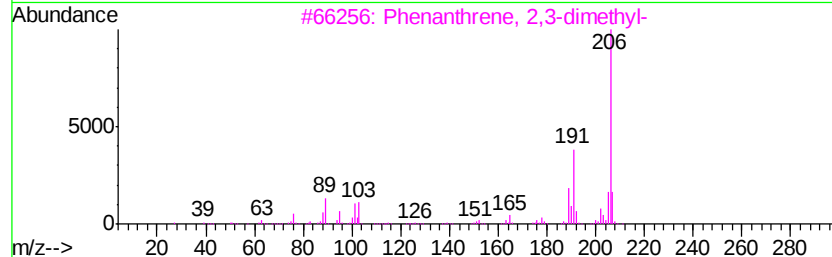
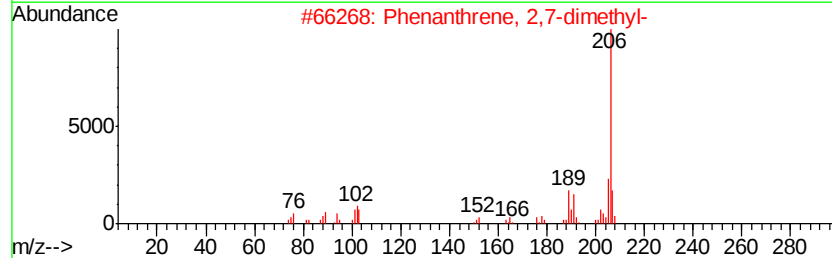
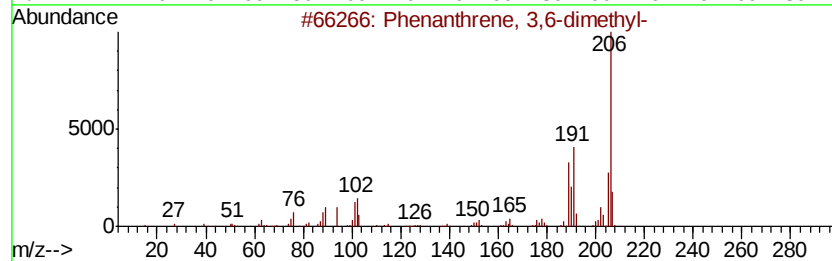
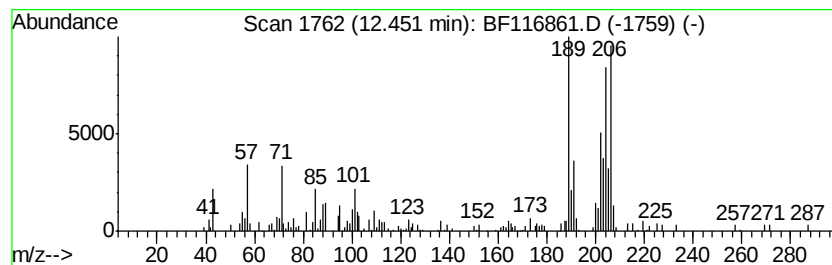
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ClientSampleId :
TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.45	2.70 ng	92031	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	35
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	35
5	Hydrazine, 4-bromo-2-fluorophenyl-	204	C6H6BrFN2	299440-17-8	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116861.D
Acq On : 6 Sep 2019 14:54
Operator : HP/JU
Sample : K4650-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
TP-8

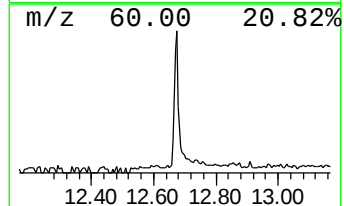
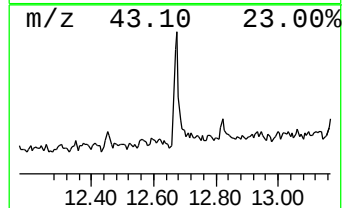
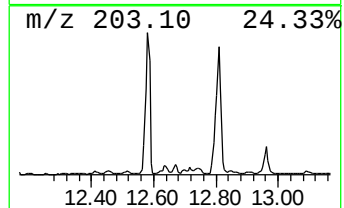
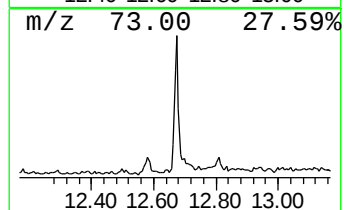
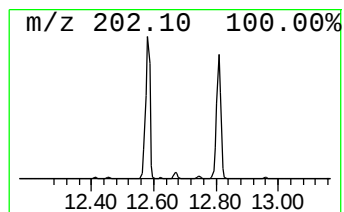
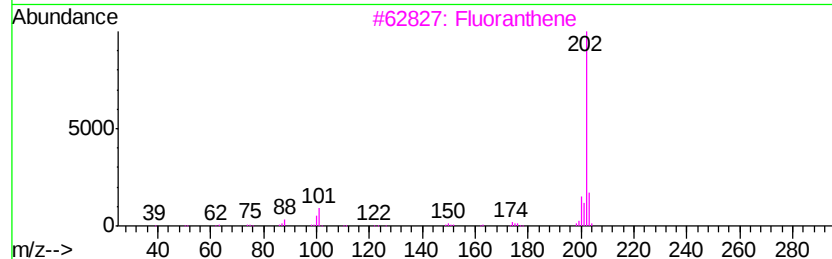
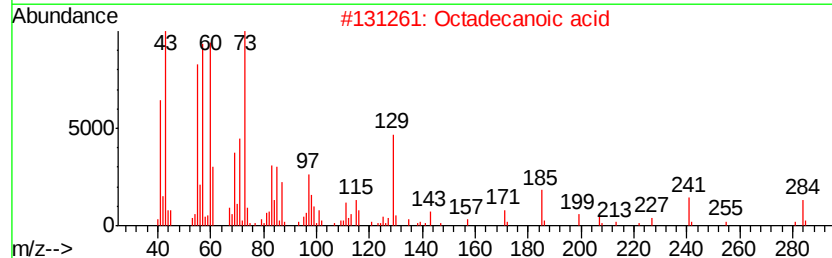
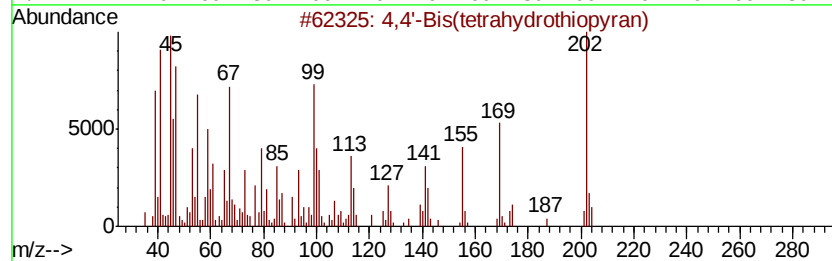
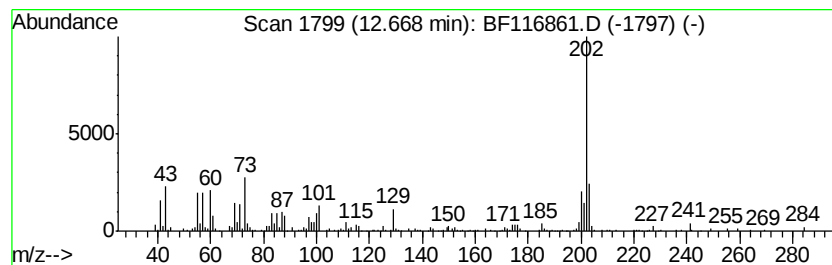
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	7.32 ng	249239	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	94
2		Octadecanoic acid	284	C18H36O2	000057-11-4	92
3		Fluoranthene	202	C16H10	000206-44-0	91
4		Pvrene	202	C16H10	000129-00-0	64
5		Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116861.D
Acq On : 6 Sep 2019 14:54
Operator : HP/JU
Sample : K4650-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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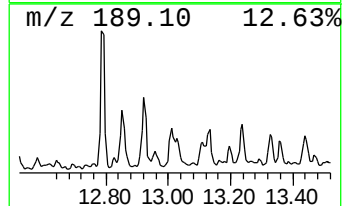
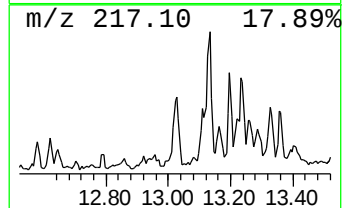
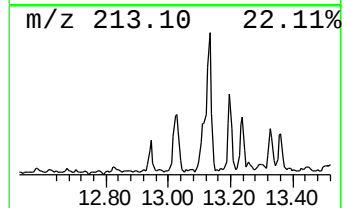
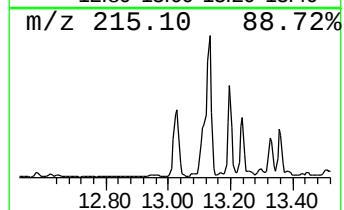
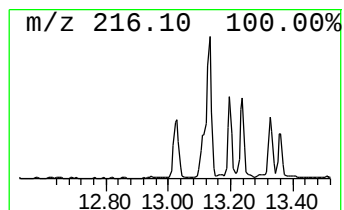
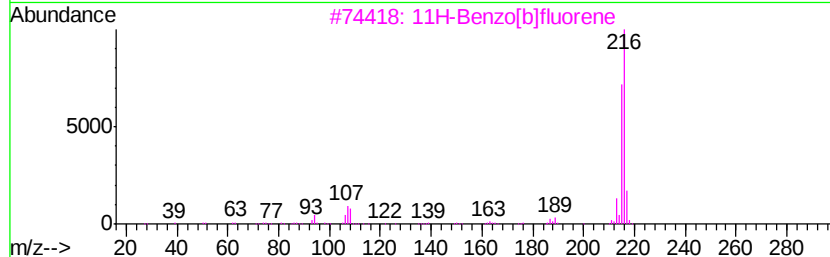
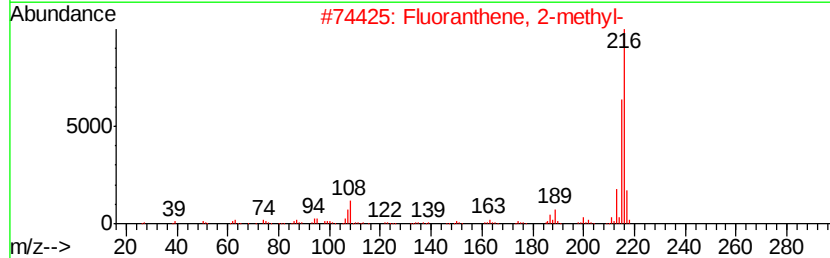
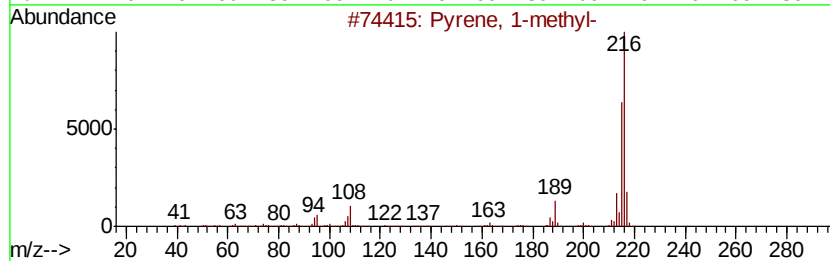
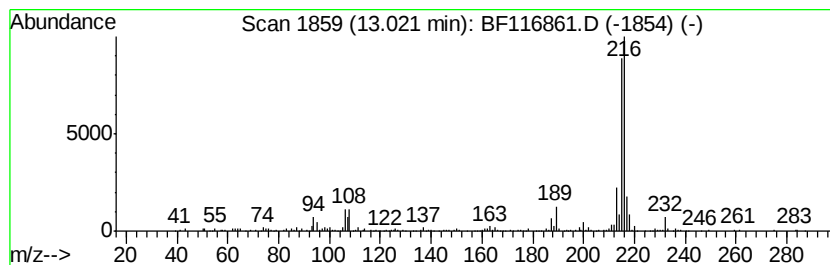
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	3.06 ng	278867	Chrysene-d12	14.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116861.D
Acq On : 6 Sep 2019 14:54
Operator : HP/JU
Sample : K4650-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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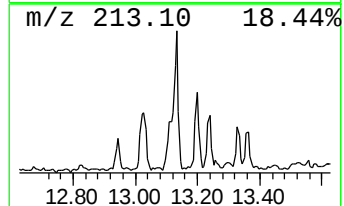
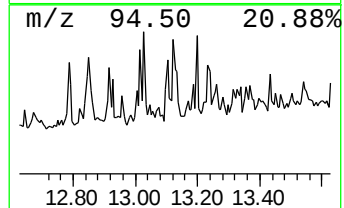
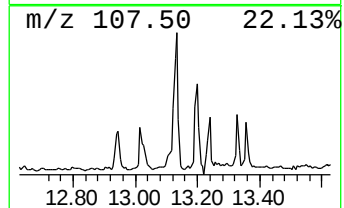
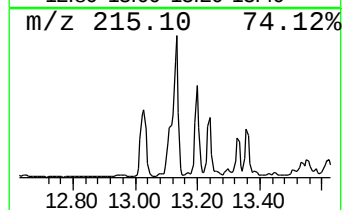
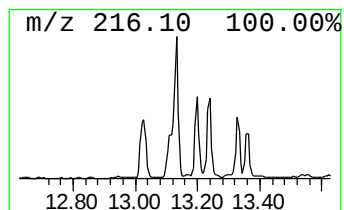
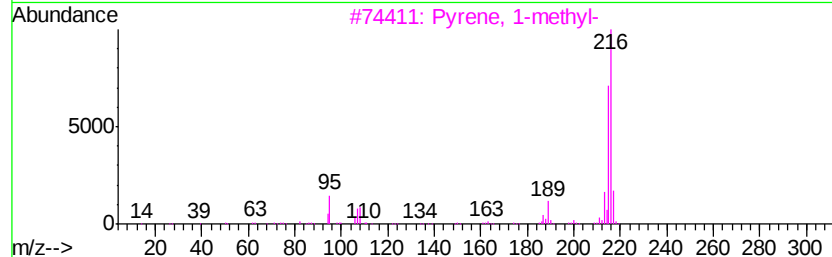
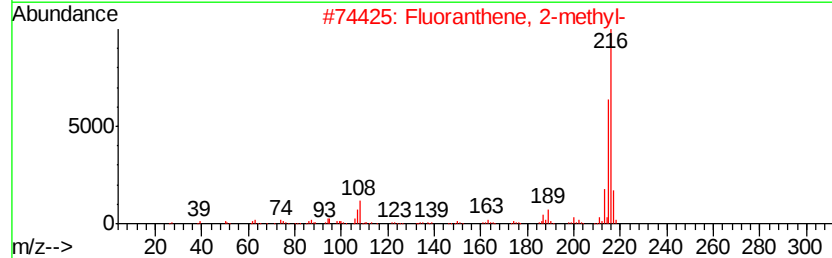
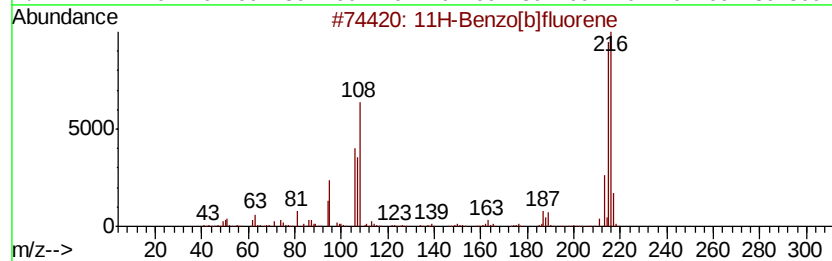
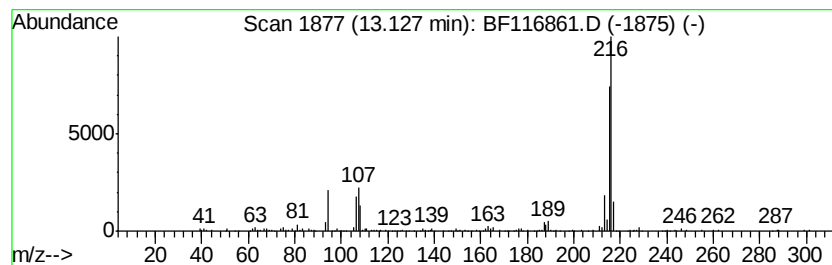
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	3.48 ng	316719	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116861.D
Acq On : 6 Sep 2019 14:54
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Sample : K4650-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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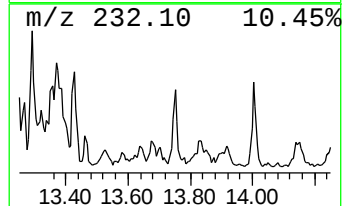
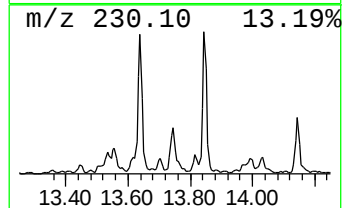
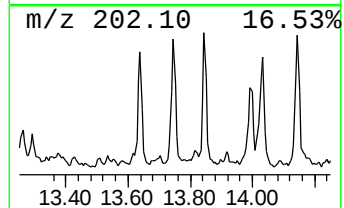
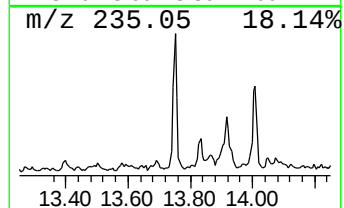
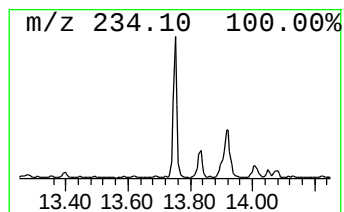
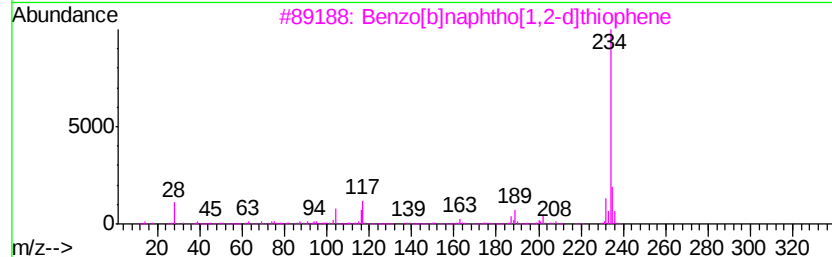
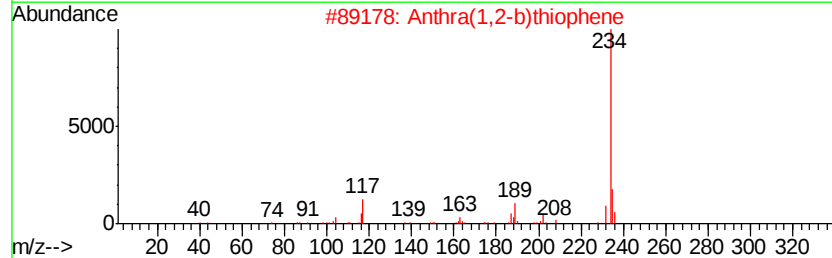
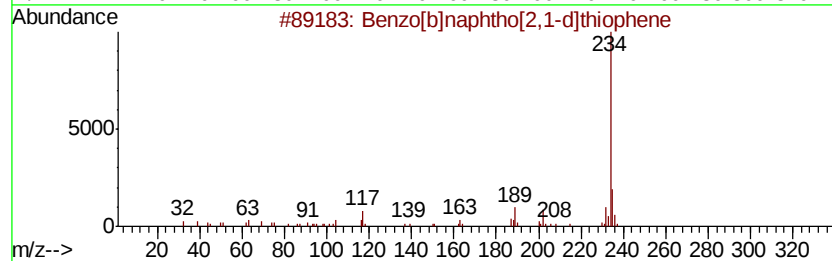
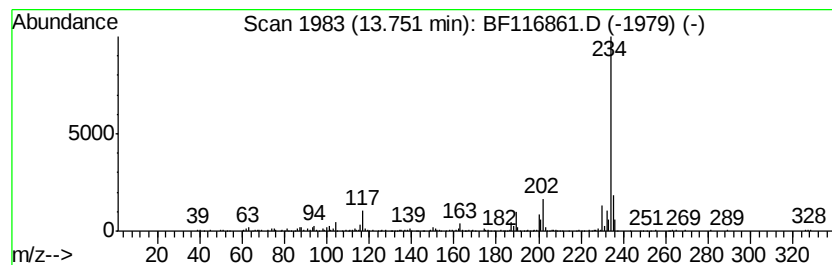
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	2.81 ng	255665	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2		Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
4		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
5		Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116861.D
Acq On : 6 Sep 2019 14:54
Operator : HP/JU
Sample : K4650-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

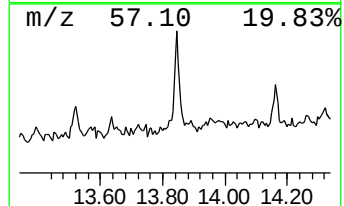
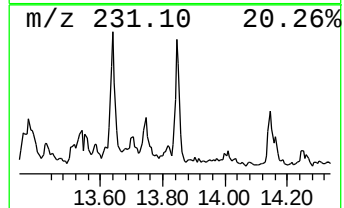
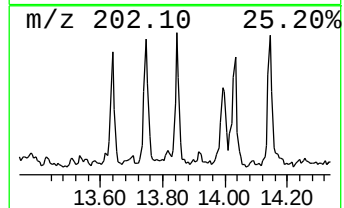
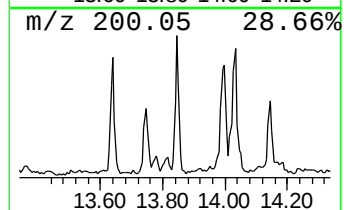
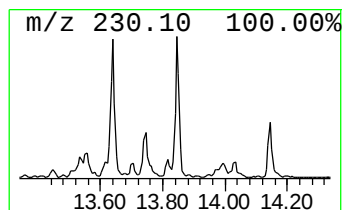
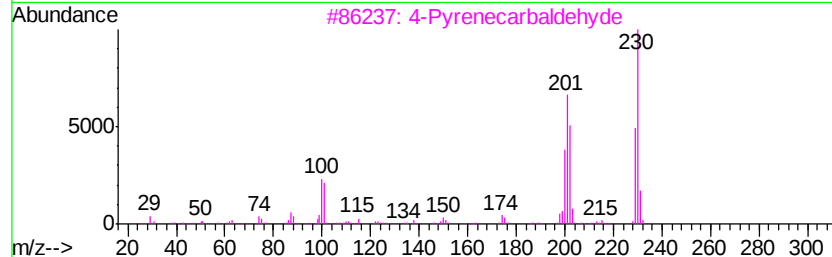
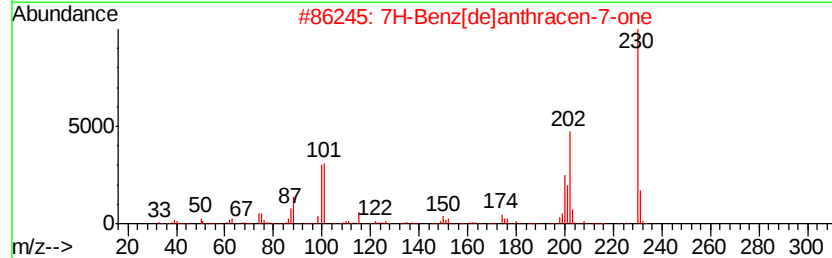
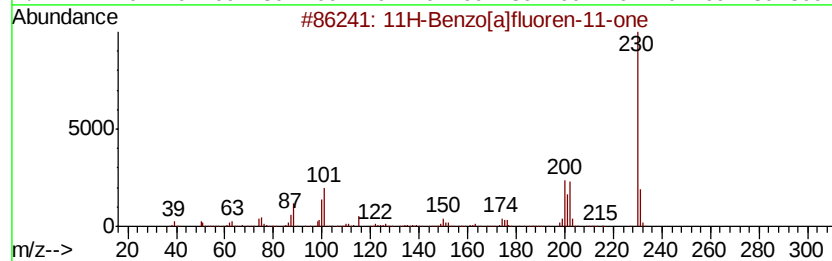
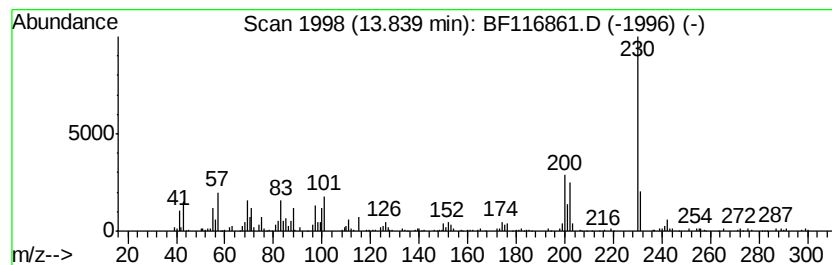
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.		
13.84	3.88 ng	353708	Chrysene-d12		14.00		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3			4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72
4			6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
5			1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116861.D
Acq On : 6 Sep 2019 14:54
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampled :
TP-8

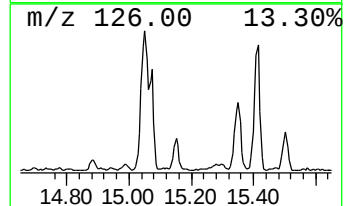
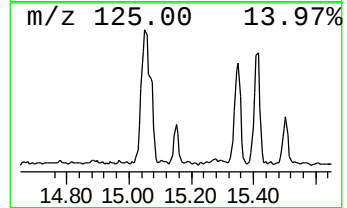
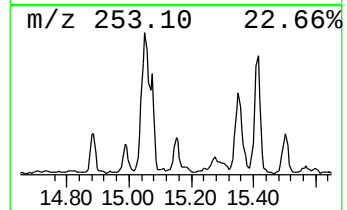
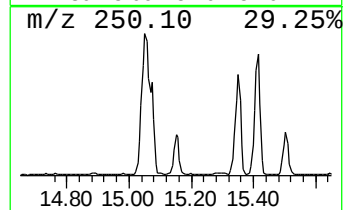
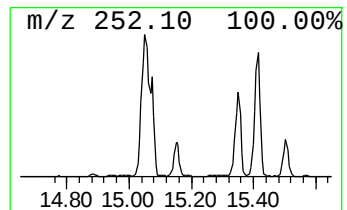
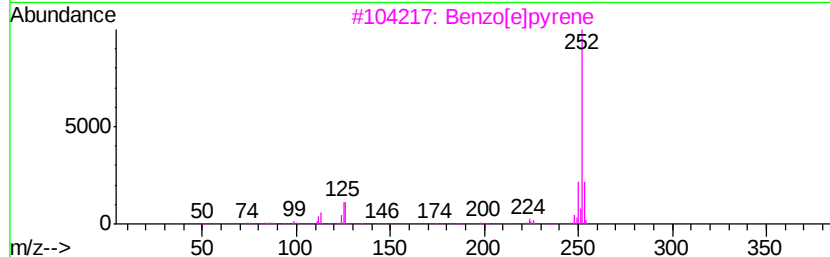
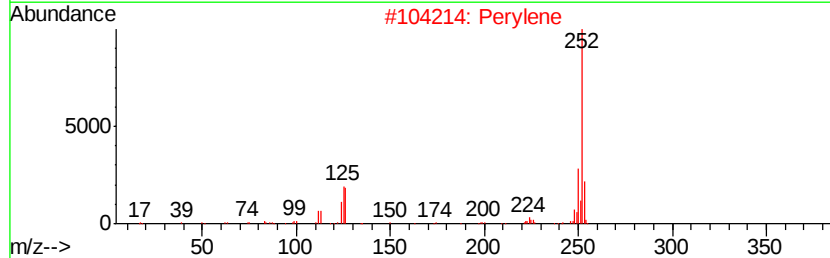
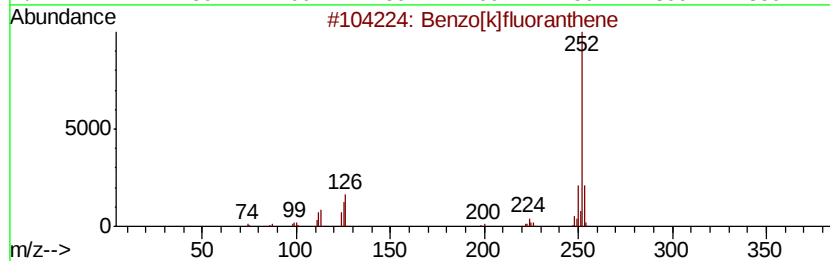
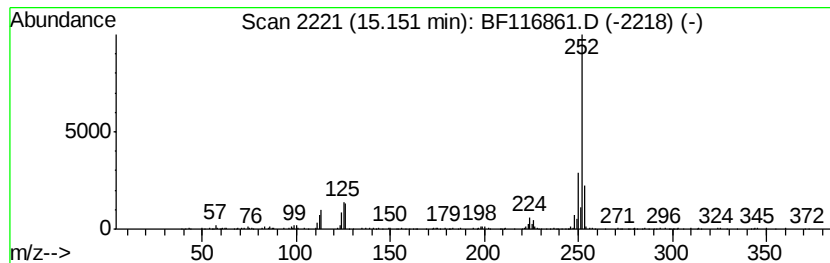
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	8.59 ng	259019	Perylene-d12	15.47

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2		Perylene	252	C20H12	000198-55-0	97
3		Benzo[e]pyrene	252	C20H12	000192-97-2	94
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116861.D
Acq On : 6 Sep 2019 14:54
Operator : HP/JU
Sample : K4650-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8

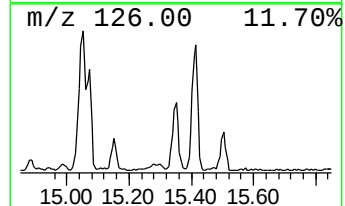
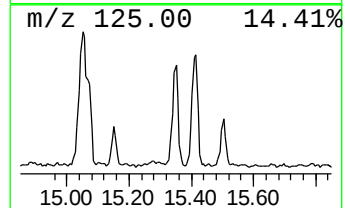
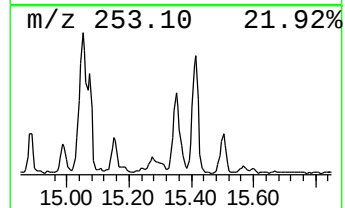
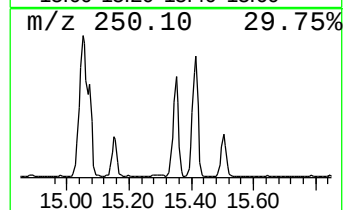
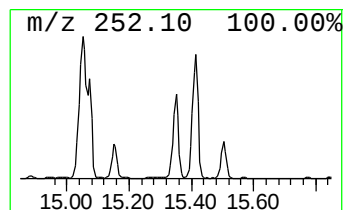
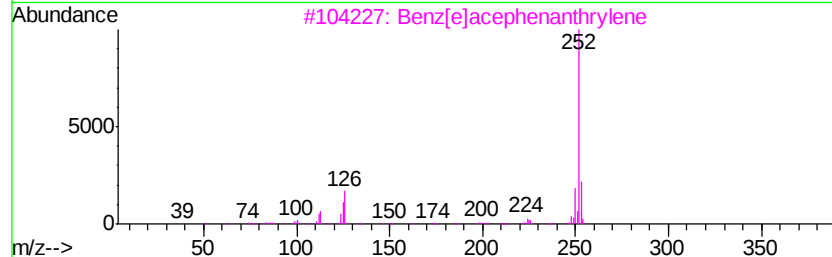
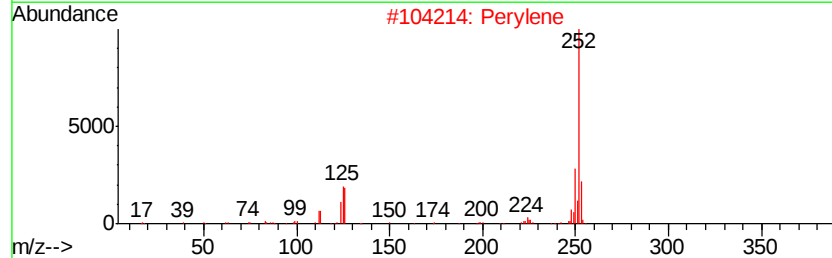
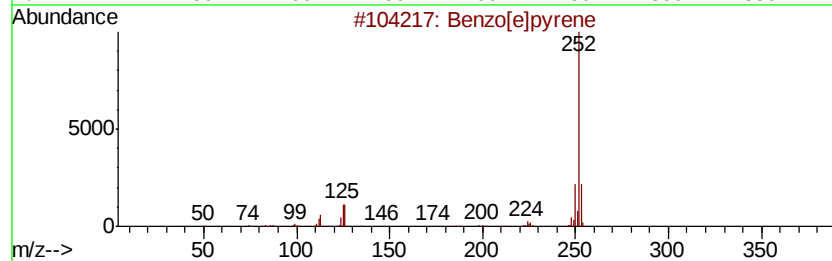
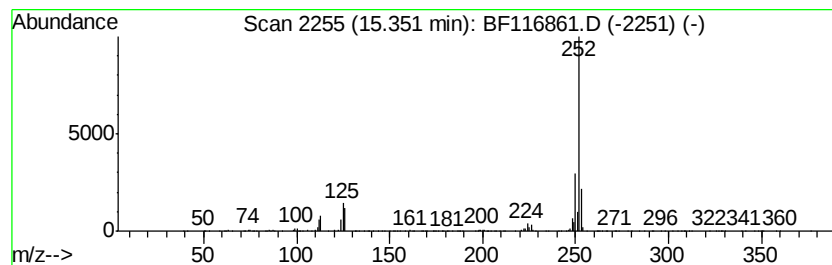
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	27.70 ng	834975	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090619\
 Data File : BF116861.D
 Acq On : 6 Sep 2019 14:54
 Operator : HP/JU
 Sample : K4650-15 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.62	6.62	34.5	ng	779301	1	6.85	451848	20.0
1(2H)-Acenaphthyl...	10.79	3.0	ng	101789	4	11.36	681189	20.0
Anthracene, 2-met...	11.86	5.6	ng	189797	4	11.36	681189	20.0
Phenanthrene, 2-m...	11.89	13.3	ng	452377	4	11.36	681189	20.0
1H-Cyclopropa[1]p...	11.94	2.9	ng	98854	4	11.36	681189	20.0
Benzaldehyde, 3,5...	11.97	11.4	ng	387809	4	11.36	681189	20.0
Anthracene, 9-met...	12.00	3.2	ng	110323	4	11.36	681189	20.0
Naphthalene, 2-ph...	12.16	4.0	ng	136927	4	11.36	681189	20.0
9,10-Anthracenedione	12.18	4.1	ng	139022	4	11.36	681189	20.0
Anthracene, 1,4-d...	12.42	5.3	ng	180550	4	11.36	681189	20.0
Phenanthrene, 3,6...	12.45	2.7	ng	92031	4	11.36	681189	20.0
Cyclopenta(def)ph...	12.50	4.5	ng	152007	4	11.36	681189	20.0
4,4'-Bis(tetrahyd...	12.67	7.3	ng	249239	4	11.36	681189	20.0
Pyrene, 1-methyl-	13.02	3.1	ng	278867	5	14.00	1821100	20.0
11H-Benzo[b]fluorene	13.13	3.5	ng	316719	5	14.00	1821100	20.0
Benzo[b]naphtho[2...	13.75	2.8	ng	255665	5	14.00	1821100	20.0
11H-Benzo[a]fluor...	13.84	3.9	ng	353708	5	14.00	1821100	20.0
Perylene	15.15	8.6	ng	259019	6	15.47	602857	20.0
Benzo[e]pyrene	15.35	27.7	ng	834975	6	15.47	602857	20.0