

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120039.D
 Acq On : 16 Apr 2020 16:36
 Operator : MA/SJ
 Sample : L2230-67 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-40-41-42

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-BF040820.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	3.675	263	270	274	rBV	13254	19403	1.68%	0.119%
2	5.293	540	545	546	rBV	14343	14072	1.22%	0.086%
3	5.322	546	550	558	rVB	631674	584095	50.48%	3.572%
4	6.351	722	725	733	rBV	698410	591441	51.12%	3.617%
5	6.551	755	759	760	rBV	16297	16870	1.46%	0.103%
6	6.722	784	788	792	rBV	929951	748204	64.67%	4.575%
7	6.875	811	814	818	rBV	570254	512835	44.32%	3.136%
8	7.281	880	883	889	rVV	428523	371638	32.12%	2.272%
9	8.010	1003	1007	1009	rBV	1154087	943222	81.52%	5.768%
10	8.028	1009	1010	1013	rVB	75693	46197	3.99%	0.282%
11	8.439	1075	1080	1085	rBV2	14323	14497	1.25%	0.089%
12	8.722	1123	1128	1133	rVB	42036	37606	3.25%	0.230%
13	8.822	1141	1145	1148	rBV	35887	27467	2.37%	0.168%
14	9.086	1186	1190	1193	rBV	948990	732048	63.27%	4.476%
15	9.181	1200	1206	1214	rBV5	17702	32867	2.84%	0.201%
16	9.286	1221	1224	1228	rVB	11276	15011	1.30%	0.092%
17	9.345	1228	1234	1239	rBV3	17461	28425	2.46%	0.174%
18	9.422	1244	1247	1250	rVV	32133	34190	2.96%	0.209%
19	9.451	1250	1252	1254	rVV	23893	18797	1.62%	0.115%
20	9.481	1254	1257	1262	rVV	111218	115832	10.01%	0.708%
21	9.539	1262	1267	1272	rVB6	16046	27008	2.33%	0.165%
22	9.628	1276	1282	1286	rBV	42138	42256	3.65%	0.258%
23	9.763	1300	1305	1309	rBV	1170659	1034178	89.38%	6.324%
24	9.798	1309	1311	1315	rVB	79622	66067	5.71%	0.404%
25	9.922	1327	1332	1335	rBV4	13894	17002	1.47%	0.104%
26	9.969	1337	1340	1343	rBV	51423	40226	3.48%	0.246%
27	10.081	1353	1359	1362	rBV5	16813	24796	2.14%	0.152%
28	10.175	1370	1375	1377	rBV5	19074	21209	1.83%	0.130%
29	10.204	1377	1380	1384	rVB3	13634	16917	1.46%	0.103%
30	10.310	1395	1398	1404	rBV	68262	65556	5.67%	0.401%
31	10.380	1404	1410	1411	rVV	20929	23668	2.05%	0.145%
32	10.428	1415	1418	1420	rVV	29969	30003	2.59%	0.183%
33	10.469	1423	1425	1429	rVB	24292	23647	2.04%	0.145%
34	10.551	1435	1439	1444	rBV	348173	307630	26.59%	1.881%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.592	1444	1446	1451	rVB6	13272	18194	1.57%	0.111%
36	10.692	1457	1463	1469	rVB3	37241	60692	5.25%	0.371%
37	10.863	1486	1492	1494	rBV4	23517	36519	3.16%	0.223%
38	10.892	1494	1497	1500	rVV2	20113	24301	2.10%	0.149%
39	10.945	1503	1506	1509	rVB3	13895	14147	1.22%	0.087%
40	10.998	1509	1515	1516	rBV5	12192	25611	2.21%	0.157%
41	11.010	1516	1517	1520	rVV3	19221	13936	1.20%	0.085%
42	11.057	1522	1525	1529	rVB2	32118	26770	2.31%	0.164%
43	11.104	1529	1533	1535	rBV2	14321	19124	1.65%	0.117%
44	11.151	1538	1541	1546	rVB2	36280	50143	4.33%	0.307%
45	11.251	1554	1558	1560	rBV	958299	804544	69.54%	4.920%
46	11.275	1560	1562	1565	rVV	663890	484728	41.90%	2.964%
47	11.327	1566	1571	1574	rVB	137037	136521	11.80%	0.835%
48	11.357	1574	1576	1582	rBV5	22332	33259	2.87%	0.203%
49	11.480	1591	1597	1600	rBV2	46907	58528	5.06%	0.358%
50	11.551	1607	1609	1612	rBV2	25606	21209	1.83%	0.130%
51	11.580	1612	1614	1619	rVB2	21797	24629	2.13%	0.151%
52	11.669	1626	1629	1633	rVB3	10238	14437	1.25%	0.088%
53	11.704	1633	1635	1638	rBV3	13862	17366	1.50%	0.106%
54	11.751	1640	1643	1646	rVV	104491	95602	8.26%	0.585%
55	11.780	1646	1648	1653	rVV	180383	163020	14.09%	0.997%
56	11.827	1653	1656	1659	rVV2	67614	65412	5.65%	0.400%
57	11.863	1659	1662	1665	rVV	173184	203550	17.59%	1.245%
58	11.886	1665	1666	1671	rVB	99806	61555	5.32%	0.376%
59	11.939	1671	1675	1677	rBV5	16129	23292	2.01%	0.142%
60	11.963	1677	1679	1681	rVV	17799	15154	1.31%	0.093%
61	12.051	1691	1694	1696	rVV	79073	77594	6.71%	0.474%
62	12.074	1696	1698	1702	rVV2	47246	51291	4.43%	0.314%
63	12.127	1705	1707	1711	rBV5	9936	13900	1.20%	0.085%
64	12.198	1717	1719	1722	rVB	33940	25373	2.19%	0.155%
65	12.233	1722	1725	1726	rBV	39077	33776	2.92%	0.207%
66	12.251	1726	1728	1730	rVB2	28812	23368	2.02%	0.143%
67	12.304	1733	1737	1740	rVV	83453	90124	7.79%	0.551%
68	12.339	1740	1743	1745	rVV3	48839	59571	5.15%	0.364%
69	12.386	1748	1751	1756	rVB3	66987	70068	6.06%	0.428%
70	12.463	1760	1764	1768	rBV	842088	704397	60.88%	4.307%
71	12.510	1770	1772	1774	rBV2	25337	20455	1.77%	0.125%

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72	12.574	1778	1783	1785	rBV2	31525	46408	4.01%	0.284%
73	12.692	1797	1803	1806	rBV	823203	807277	69.77%	4.936%
74	12.716	1806	1807	1810	rVB3	28254	17945	1.55%	0.110%
75	12.810	1820	1823	1825	rBV	40368	47215	4.08%	0.289%
76	12.839	1825	1828	1835	rVB	640224	577855	49.94%	3.533%
77	12.910	1836	1840	1844	rVV2	65322	106973	9.25%	0.654%
78	12.969	1848	1850	1852	rVV3	18234	19110	1.65%	0.117%
79	12.998	1852	1855	1856	rVV2	62087	63312	5.47%	0.387%
80	13.021	1856	1859	1862	rVB	135699	128185	11.08%	0.784%
81	13.086	1867	1870	1873	rVB2	91243	81305	7.03%	0.497%
82	13.121	1873	1876	1879	rBV2	109879	122437	10.58%	0.749%
83	13.216	1890	1892	1895	rVB	65199	51527	4.45%	0.315%
84	13.251	1895	1898	1901	rBV	69894	65608	5.67%	0.401%
85	13.527	1943	1945	1951	rVB	64366	71181	6.15%	0.435%
86	13.639	1961	1964	1967	rBV2	48404	55541	4.80%	0.340%
87	13.669	1967	1969	1971	rVV	65076	50179	4.34%	0.307%
88	13.692	1971	1973	1977	rVV2	46512	47859	4.14%	0.293%
89	13.739	1978	1981	1985	rVV	54764	53102	4.59%	0.325%
90	13.892	2002	2007	2009	rBV2	958470	1157004	100.00%	7.075%
91	13.916	2009	2011	2017	rVB	417370	374789	32.39%	2.292%
92	13.998	2022	2025	2027	rVB	59857	46709	4.04%	0.286%
93	14.280	2070	2073	2075	rVB	97427	79191	6.84%	0.484%
94	14.374	2087	2089	2091	rVB	68666	48081	4.16%	0.294%
95	14.910	2177	2180	2187	rBV	315715	546644	47.25%	3.343%
96	15.198	2225	2229	2234	rVB	192342	248540	21.48%	1.520%
97	15.257	2236	2239	2245	rBV	256099	306475	26.49%	1.874%
98	15.321	2246	2250	2253	rBV	473120	570113	49.27%	3.486%
99	15.992	2360	2364	2372	rVB3	89143	184770	15.97%	1.130%
100	18.674	2815	2820	2822	rBV6	28513	51580	4.46%	0.315%

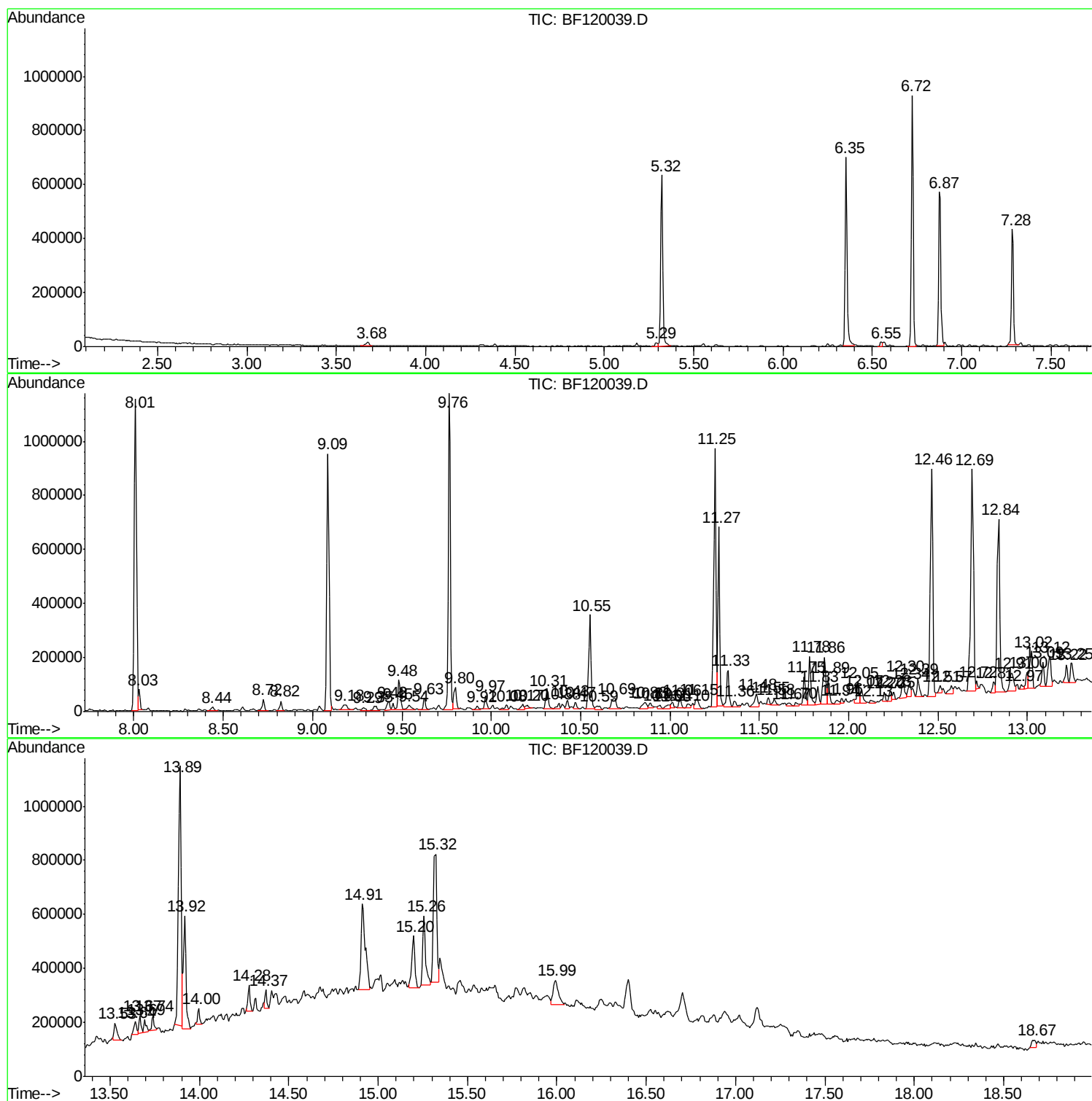
Sum of corrected areas: 16353955

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.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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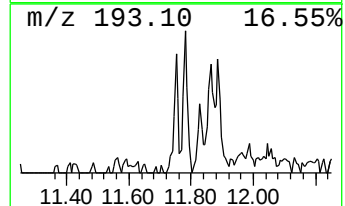
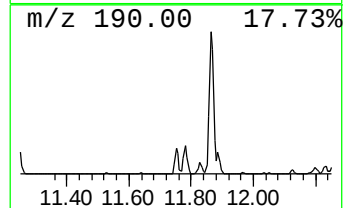
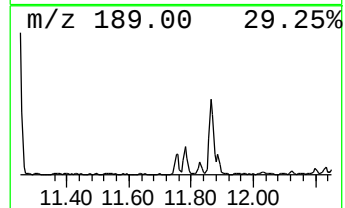
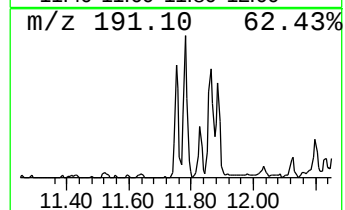
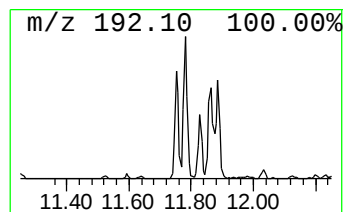
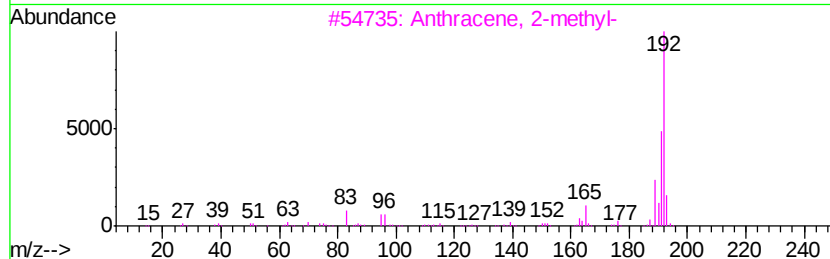
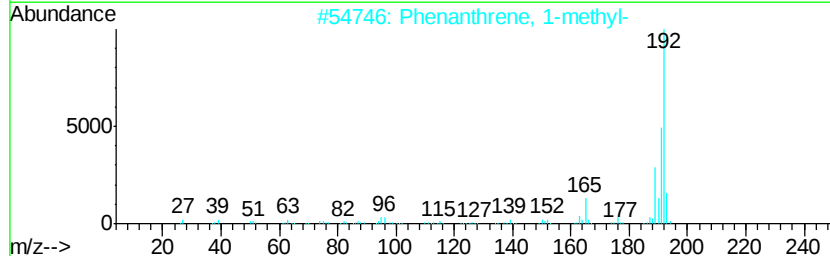
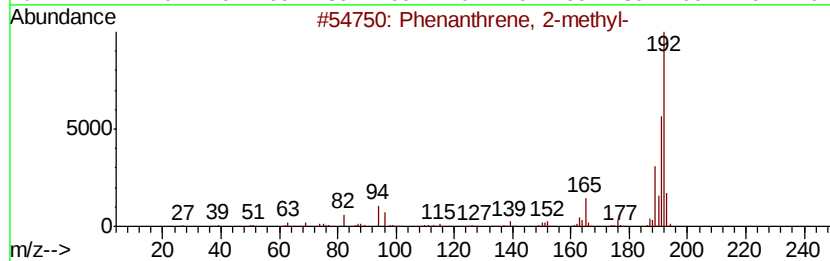
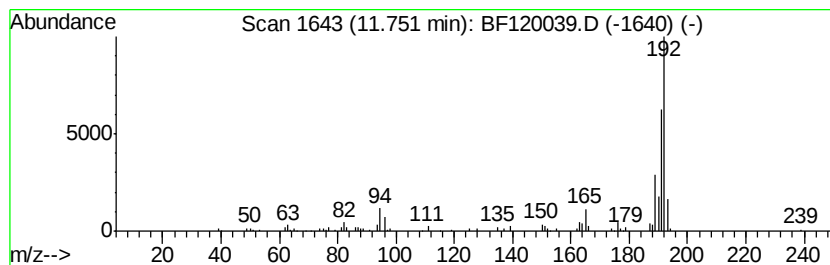
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.	
11.75	2.38 ng	95602	Phenanthrene-d10	11.25	
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	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



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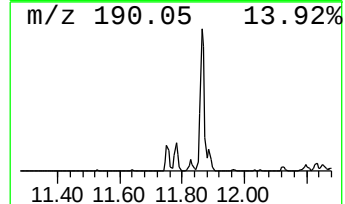
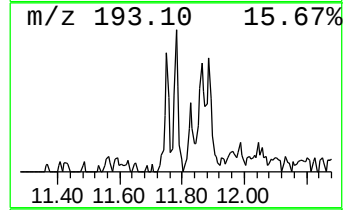
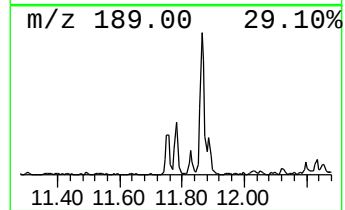
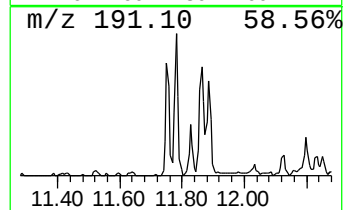
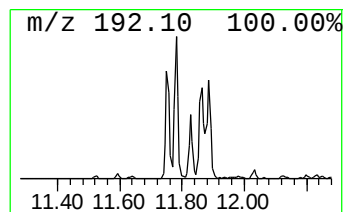
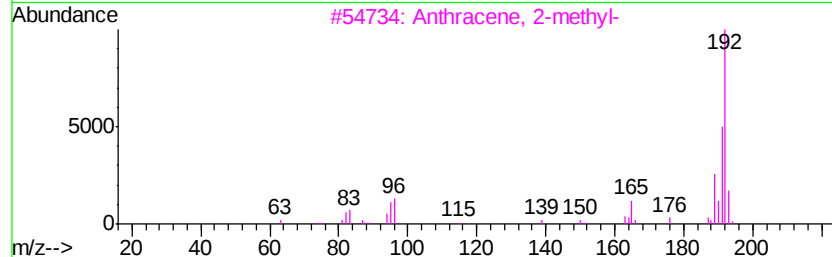
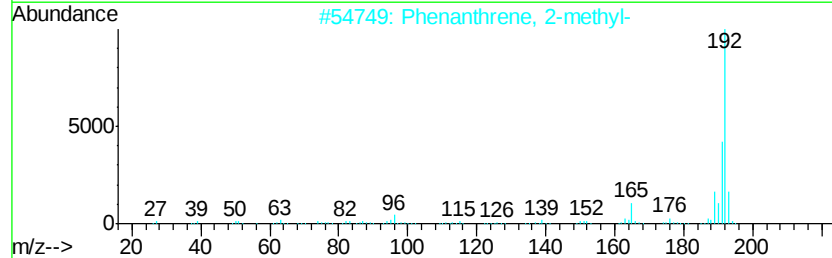
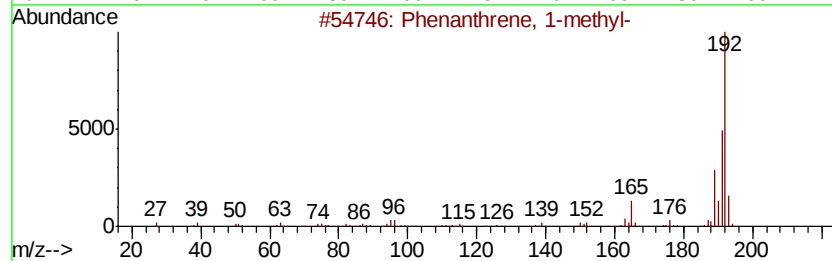
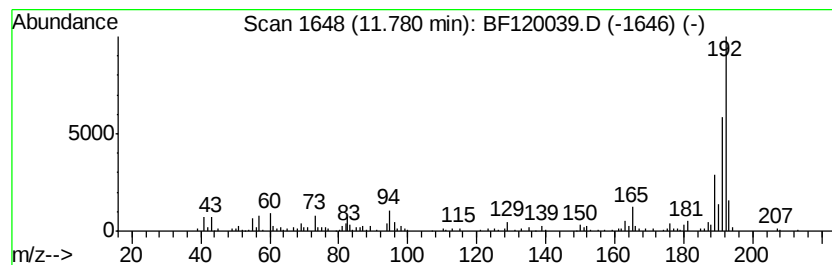
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	4.05 ng	163020	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



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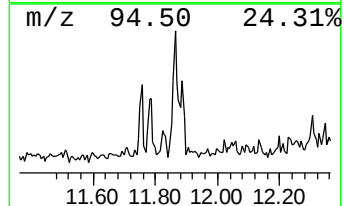
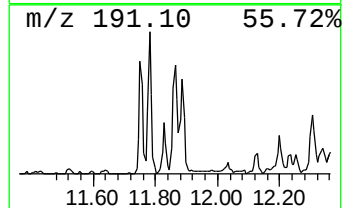
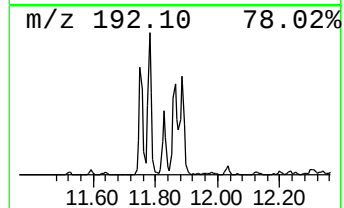
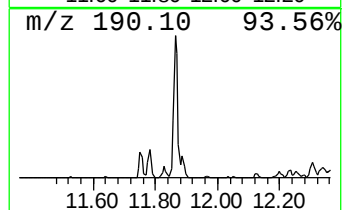
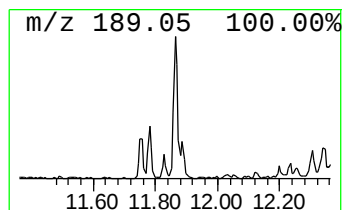
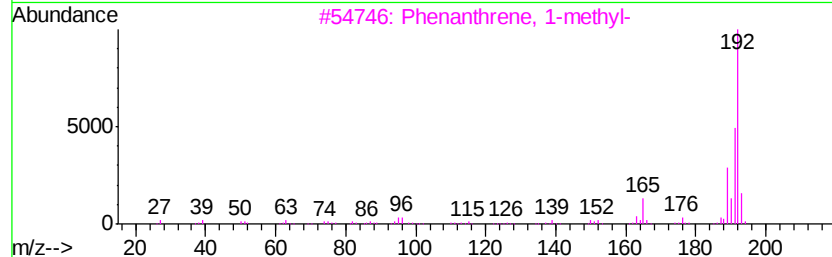
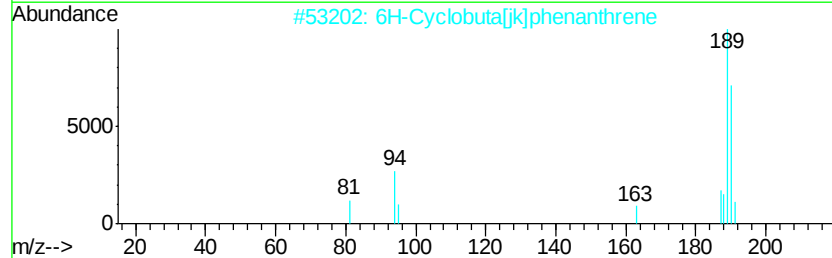
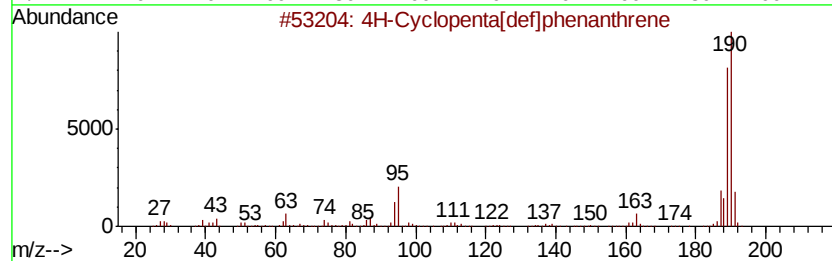
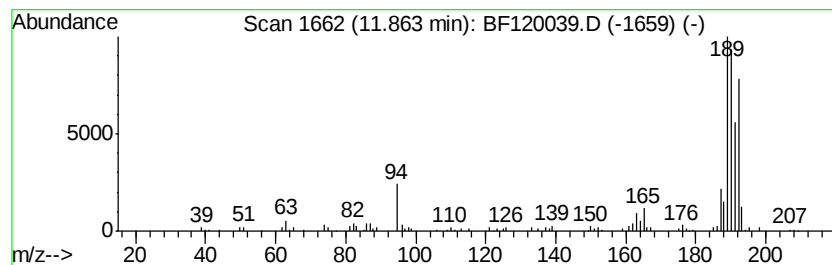
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Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.86	5.06 ng	203550	Phenanthrene-d10		11.25
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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Acq On : 16 Apr 2020 16:36
Operator : MA/SJ
Sample : L2230-67 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

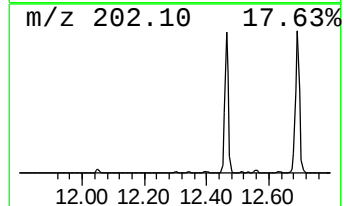
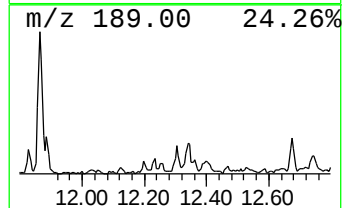
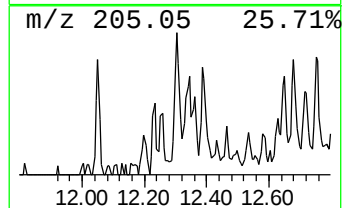
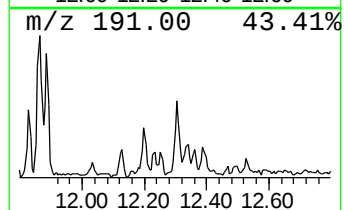
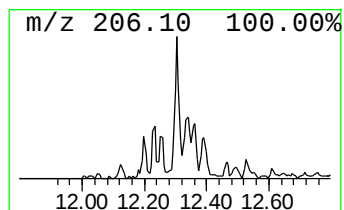
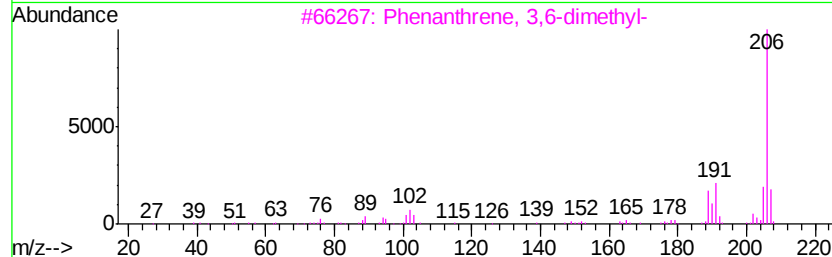
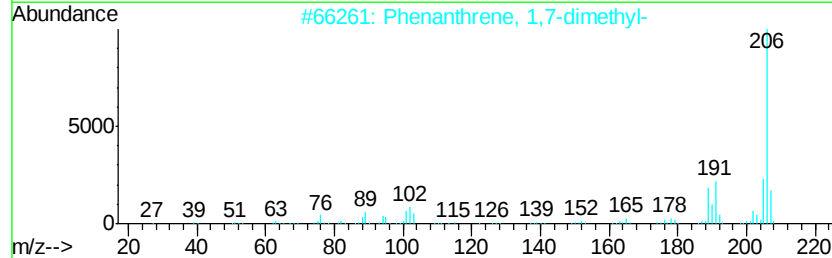
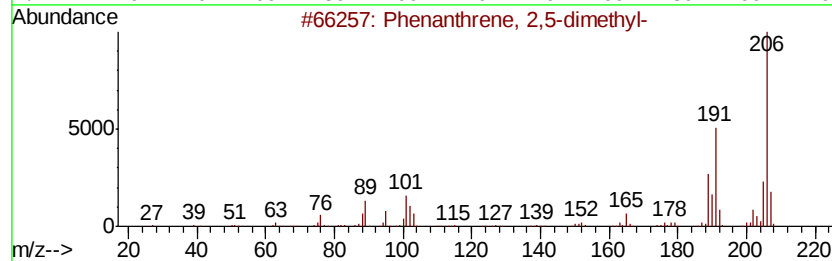
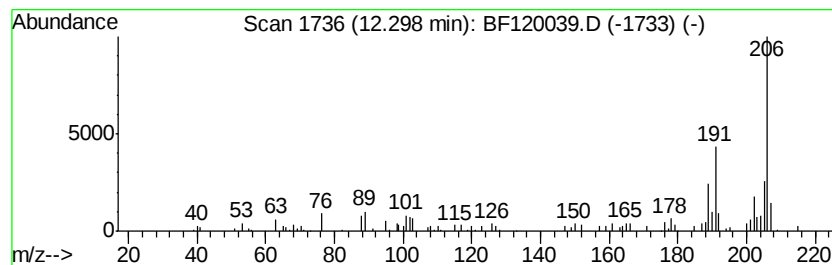
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ClientSampleId :
TP-40-41-42

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.30	2.24 ng	90124	Phenanthrene-d10		11.25	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-		206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-		206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-		206	C16H14	001576-67-6	87
4	Phenanthrene, 2,3-dimethyl-		206	C16H14	003674-65-5	81
5	Naphthalene, 1,2-dihydro-4-phenyl-		206	C16H14	007469-40-1	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120039.D
Acq On : 16 Apr 2020 16:36
Operator : MA/SJ
Sample : L2230-67 5X
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ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-40-41-42

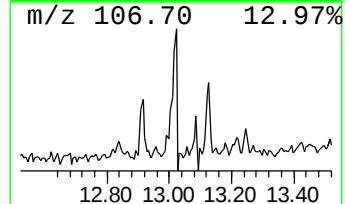
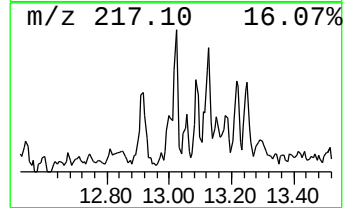
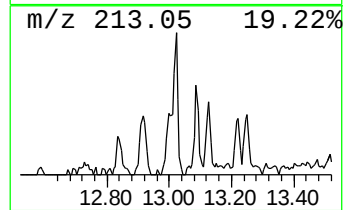
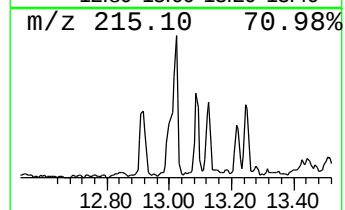
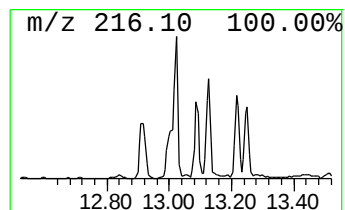
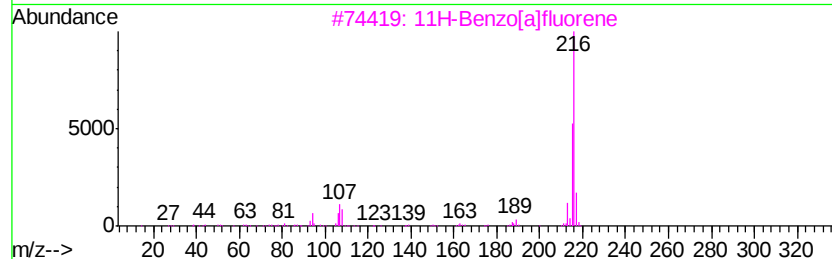
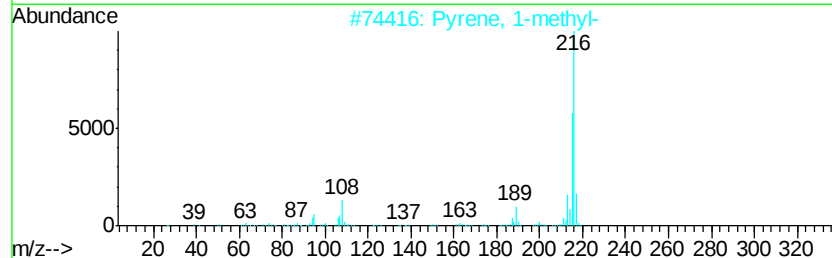
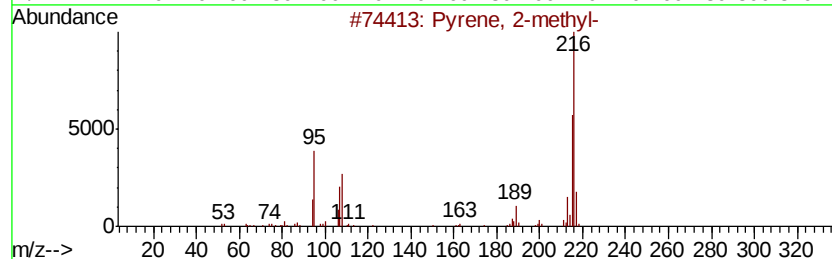
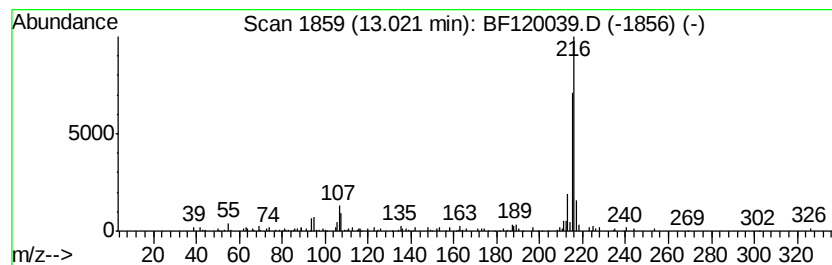
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Pyrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	2.22 ng	128185	Chrysene-d12	13.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120039.D
Acq On : 16 Apr 2020 16:36
Operator : MA/SJ
Sample : L2230-67 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
TP-40-41-42

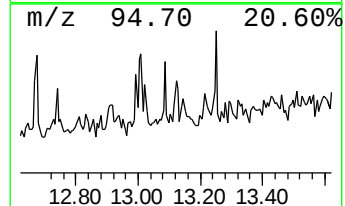
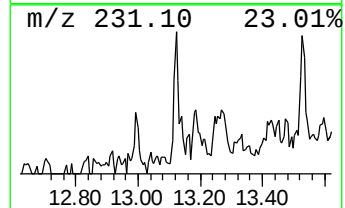
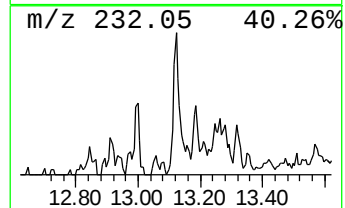
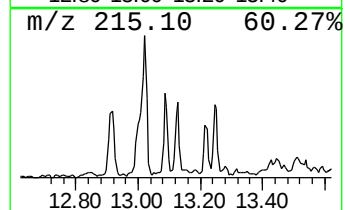
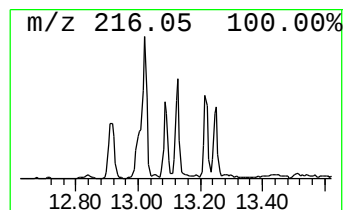
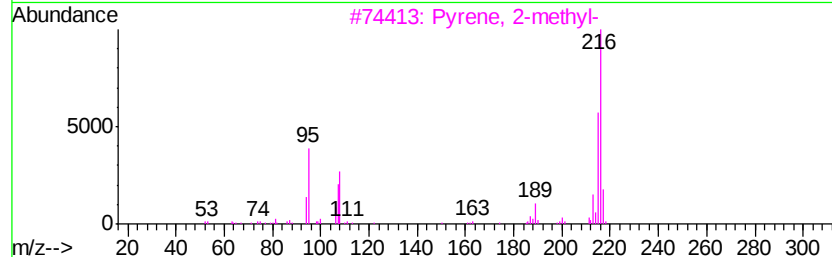
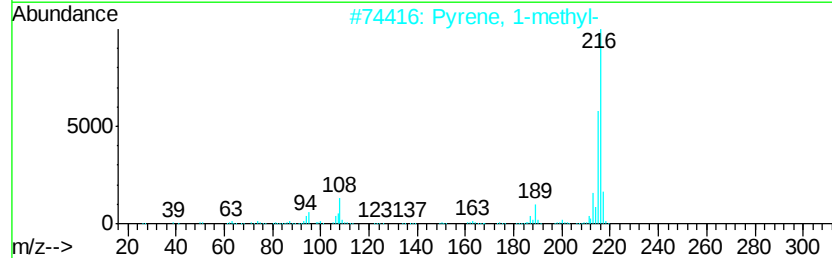
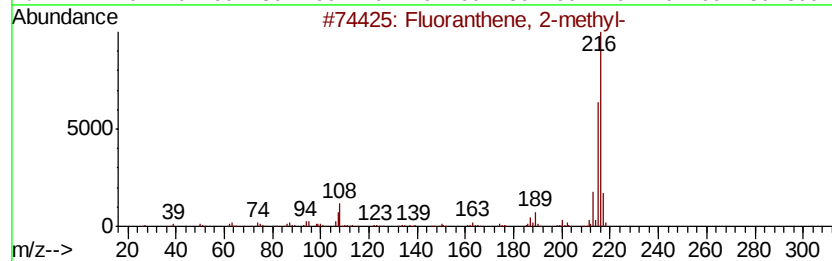
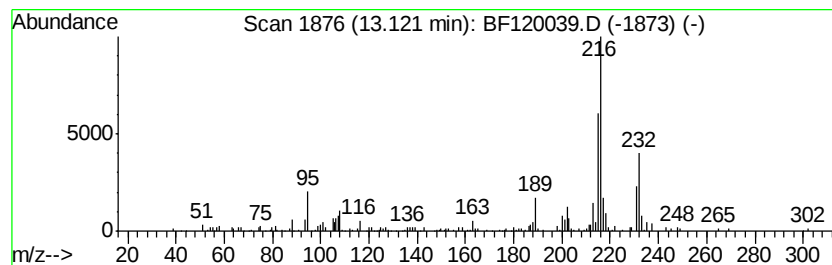
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.12 ng	122437	Chrysene-d12	13.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	55
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	49
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	49
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120039.D
Acq On : 16 Apr 2020 16:36
Operator : MA/SJ
Sample : L2230-67 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-40-41-42

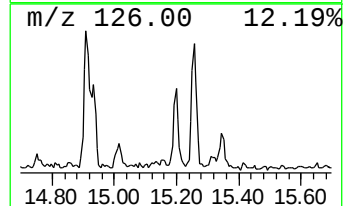
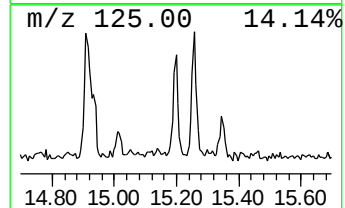
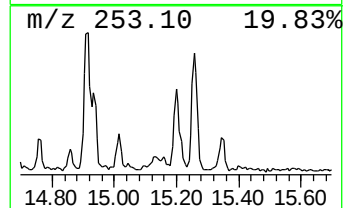
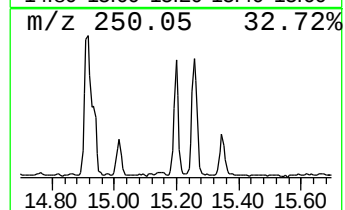
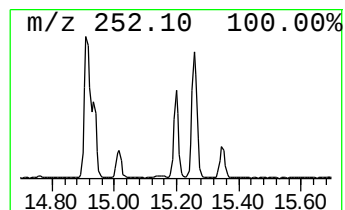
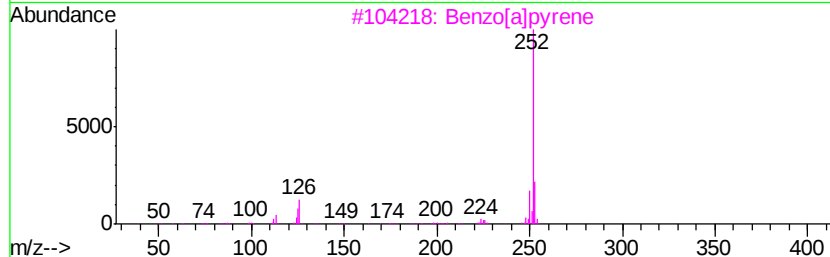
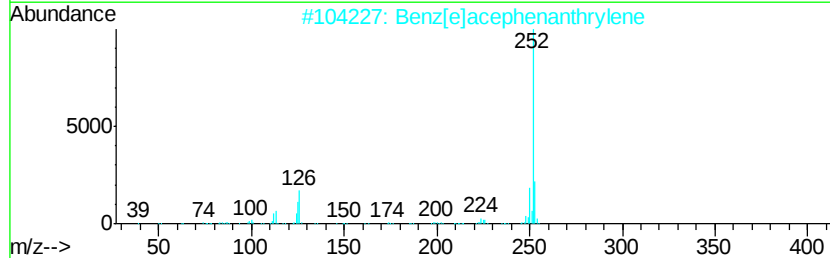
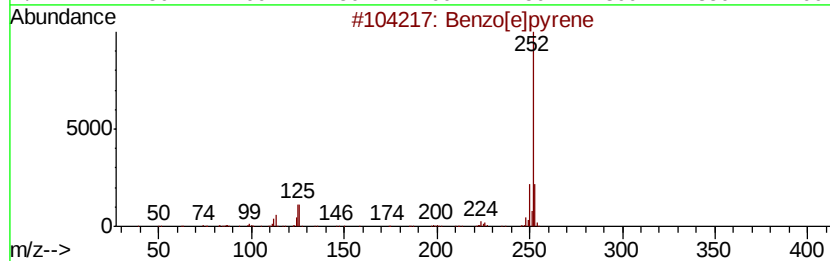
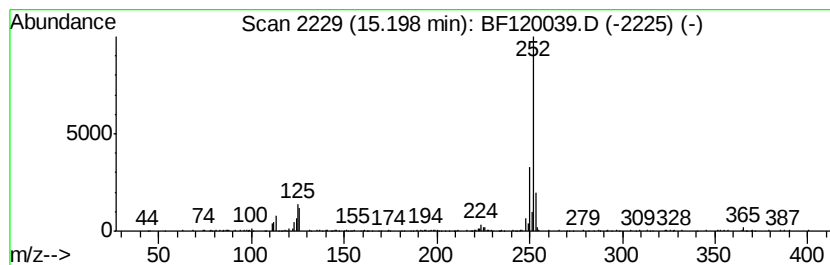
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	8.72 ng	248540	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[i]fluoranthene	252	C20H12	000205-82-3	93
5	Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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Sample : L2230-67 5X
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ALS Vial : 47 Sample Multiplier: 1

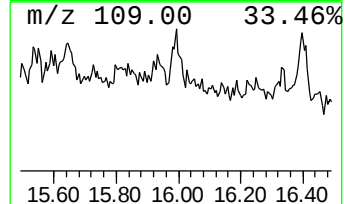
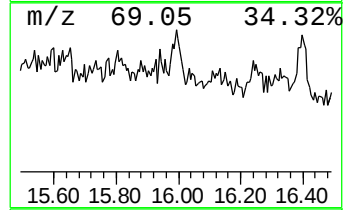
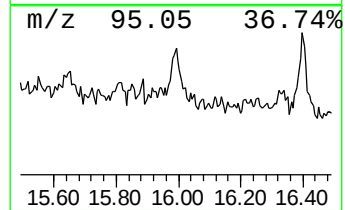
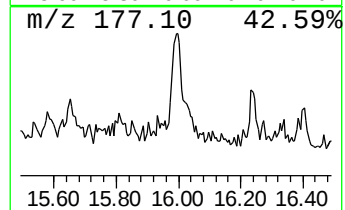
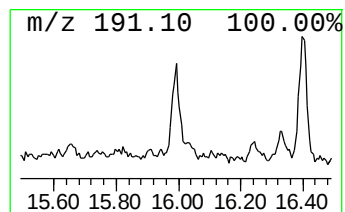
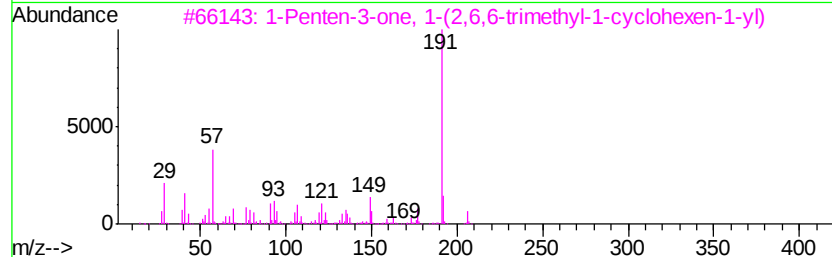
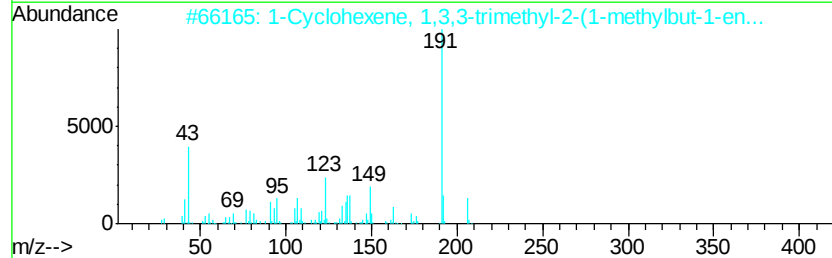
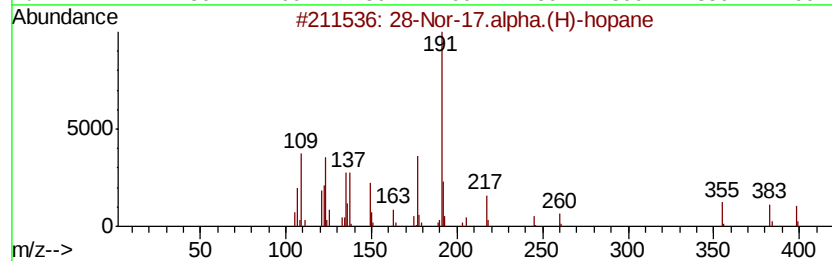
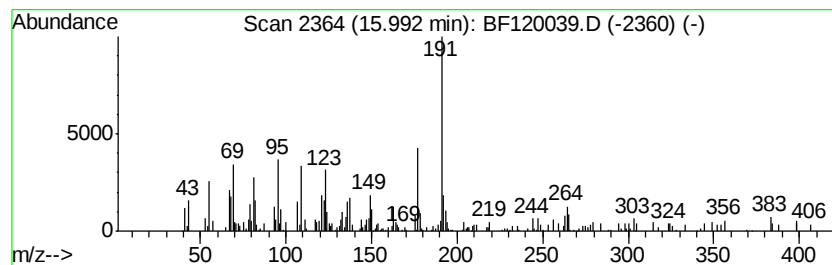
Instrument :
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ClientSampleId :
TP-40-41-42

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 28-Nor-17.alpha.(H)-hopane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	6.48 ng	184770	Perylene-d12	15.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	28-Nor-17.alpha.(H)-hopane	398 C29H50	053584-60-4	81
2	1-Cyclohexene, 1,3,3-trimethyl-2...	206 C14H22O	1000197-08-4	46
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206 C14H22O	000127-43-5	45
4	Phenol, 3,5-bis(1,1-dimethylethyl)-	206 C14H22O	001138-52-9	38
5	Propenamide, 3-(3,4-dimethoxyph...	313 C18H19NO4	339165-72-9	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041620\
Data File : BF120039.D
Acq On : 16 Apr 2020 16:36
Operator : MA/SJ
Sample : L2230-67 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-40-41-42

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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...	11.75	2.4	ng	95602	4	11.25	804544	20.0
Phenanthrene, 1-m...	11.78	4.0	ng	163020	4	11.25	804544	20.0
4H-Cyclopenta[def...	11.86	5.1	ng	203550	4	11.25	804544	20.0
Phenanthrene, 2,5...	12.30	2.2	ng	90124	4	11.25	804544	20.0
Pyrene, 2-methyl-	13.02	2.2	ng	128185	5	13.89	1157000	20.0
Fluoranthene, 2-m...	13.12	2.1	ng	122437	5	13.89	1157000	20.0
Benzo[e]pyrene	15.20	8.7	ng	248540	6	15.32	570113	20.0
28-Nor-17.alpha.(...	15.99	6.5	ng	184770	6	15.32	570113	20.0