

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121106.D
 Acq On : 29 Jul 2020 17:23
 Operator : JU/CG
 Sample : L3185-01 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-072720

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-BF071620.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	4.992	491	494	501	rVB	68707	75897	3.78%	0.233%
2	5.416	562	566	574	rBV	1405542	1259642	62.82%	3.866%
3	6.439	736	740	759	rVB	1369216	1257971	62.73%	3.861%
4	6.633	770	773	782	rVB	40011	41047	2.05%	0.126%
5	6.798	798	801	805	rBV	1008244	916035	45.68%	2.811%
6	7.363	893	897	900	rBV	939767	839558	41.87%	2.577%
7	8.086	1016	1020	1023	rBV	1326745	1182580	58.97%	3.629%
8	9.157	1198	1202	1205	rBV	2017033	1655255	82.54%	5.080%
9	9.427	1239	1248	1251	rBV3	17085	27927	1.39%	0.086%
10	9.492	1256	1259	1262	rVV	37783	39780	1.98%	0.122%
11	9.551	1266	1269	1277	rVB	262359	211897	10.57%	0.650%
12	9.698	1290	1294	1297	rBV	45800	39057	1.95%	0.120%
13	9.763	1297	1305	1312	rVV3	38405	81635	4.07%	0.251%
14	9.839	1314	1318	1321	rVV	1503579	1343349	66.99%	4.123%
15	9.869	1321	1323	1326	rVB	134438	102999	5.14%	0.316%
16	10.039	1349	1352	1356	rBV	89127	76151	3.80%	0.234%
17	10.245	1382	1387	1388	rBV2	21735	27427	1.37%	0.084%
18	10.339	1400	1403	1407	rVB3	21970	24009	1.20%	0.074%
19	10.380	1407	1410	1415	rBV	118624	110465	5.51%	0.339%
20	10.539	1434	1437	1441	rVB	63321	52623	2.62%	0.161%
21	10.621	1447	1451	1455	rBV	1161842	983315	49.04%	3.018%
22	10.745	1468	1472	1475	rVB5	39127	49991	2.49%	0.153%
23	10.927	1499	1503	1506	rBV3	44013	53936	2.69%	0.166%
24	11.057	1520	1525	1527	rBV3	41895	50683	2.53%	0.156%
25	11.080	1527	1529	1533	rVV2	46958	50846	2.54%	0.156%
26	11.121	1533	1536	1540	rVB	80226	79641	3.97%	0.244%
27	11.169	1541	1544	1550	rVV3	47500	82183	4.10%	0.252%
28	11.216	1550	1552	1559	rVB	96184	85236	4.25%	0.262%
29	11.321	1566	1570	1572	rBV	1576368	1356972	67.67%	4.164%
30	11.345	1572	1574	1577	rVV	1655711	1274689	63.57%	3.912%
31	11.392	1580	1582	1586	rVV	377804	320282	15.97%	0.983%
32	11.427	1586	1588	1591	rVV2	36044	33267	1.66%	0.102%
33	11.551	1603	1609	1611	rBV2	78916	94423	4.71%	0.290%
34	11.616	1618	1620	1623	rBV	52677	45116	2.25%	0.138%

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Integration Parameters: rteint.p
 Integrator: RTE
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Filtering: 5
 Min Area: 3 % of largest Peak
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 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.651	1623	1626	1630	rVB2	50335	48775	2.43%	0.150%
36	11.733	1638	1640	1644	rVB	23101	24922	1.24%	0.076%
37	11.774	1644	1647	1650	rBV2	27009	25342	1.26%	0.078%
38	11.821	1652	1655	1657	rVV	217450	180305	8.99%	0.553%
39	11.851	1657	1660	1664	rVV	546073	477301	23.80%	1.465%
40	11.898	1665	1668	1670	rVV	110186	103568	5.16%	0.318%
41	11.933	1670	1674	1676	rVV	319538	308093	15.36%	0.946%
42	11.957	1676	1678	1682	rVB	127883	108268	5.40%	0.332%
43	12.004	1683	1686	1687	rBV2	26112	25337	1.26%	0.078%
44	12.116	1702	1705	1707	rBV	143568	122087	6.09%	0.375%
45	12.139	1707	1709	1712	rVV	133754	109919	5.48%	0.337%
46	12.192	1716	1718	1723	rBV3	23380	29662	1.48%	0.091%
47	12.268	1728	1731	1733	rVV	75465	84345	4.21%	0.259%
48	12.298	1733	1736	1738	rVV	84348	85497	4.26%	0.262%
49	12.321	1738	1740	1742	rVB	58859	43388	2.16%	0.133%
50	12.368	1745	1748	1751	rVV	105022	119157	5.94%	0.366%
51	12.410	1752	1755	1757	rVV2	67350	79408	3.96%	0.244%
52	12.457	1760	1763	1768	rVB	137224	143922	7.18%	0.442%
53	12.533	1772	1776	1780	rBV	2269721	1915867	95.54%	5.880%
54	12.574	1780	1783	1785	rBV2	64829	63348	3.16%	0.194%
55	12.633	1790	1793	1795	rBV2	70350	65752	3.28%	0.202%
56	12.680	1799	1801	1805	rVB	61143	60415	3.01%	0.185%
57	12.763	1808	1815	1818	rBV	1786244	1864190	92.96%	5.721%
58	12.810	1821	1823	1828	rVB2	72892	72858	3.63%	0.224%
59	12.880	1831	1835	1836	rBV	176192	189229	9.44%	0.581%
60	12.904	1836	1839	1842	rBV	1618837	1455068	72.56%	4.466%
61	12.974	1847	1851	1861	rVB5	314291	854338	42.60%	2.622%
62	13.086	1868	1870	1874	rVB	245402	216750	10.81%	0.665%
63	13.151	1879	1881	1884	rVB	116446	101289	5.05%	0.311%
64	13.192	1884	1888	1891	rBV2	174164	183678	9.16%	0.564%
65	13.280	1901	1903	1906	rBV	64810	53212	2.65%	0.163%
66	13.315	1906	1909	1912	rBV2	75000	79956	3.99%	0.245%
67	13.592	1954	1956	1961	rVB	198390	177863	8.87%	0.546%
68	13.704	1972	1975	1978	rBV2	159390	188847	9.42%	0.580%
69	13.733	1978	1980	1982	rVV	147793	121109	6.04%	0.372%
70	13.757	1982	1984	1988	rVV2	94877	136581	6.81%	0.419%
71	13.804	1989	1992	1998	rVB2	291123	322559	16.09%	0.990%

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72	13.957	2013	2018	2021	rBV2	1395961	2005284	100.00%	6.154%
73	13.980	2021	2022	2028	rVB	789274	609879	30.41%	1.872%
74	14.062	2034	2036	2038	rVB	144975	110755	5.52%	0.340%
75	14.345	2081	2084	2087	rVB	165232	158890	7.92%	0.488%
76	14.374	2087	2089	2093	rBV	102964	101210	5.05%	0.311%
77	14.986	2189	2193	2196	rBV	783763	1118650	55.79%	3.433%
78	15.062	2203	2206	2208	rBV	118329	135633	6.76%	0.416%
79	15.092	2208	2211	2222	rVB	195758	325023	16.21%	0.997%
80	15.280	2240	2243	2249	rVB	431853	511077	25.49%	1.568%
81	15.339	2249	2253	2259	rVB	661256	815854	40.69%	2.504%
82	15.404	2260	2264	2267	rBV	915640	1116463	55.68%	3.426%
83	15.433	2267	2269	2275	rVB2	264371	284056	14.17%	0.872%
84	16.821	2500	2505	2515	rBV2	313004	646276	32.23%	1.983%
85	17.250	2574	2578	2593	rVB	230190	477499	23.81%	1.465%

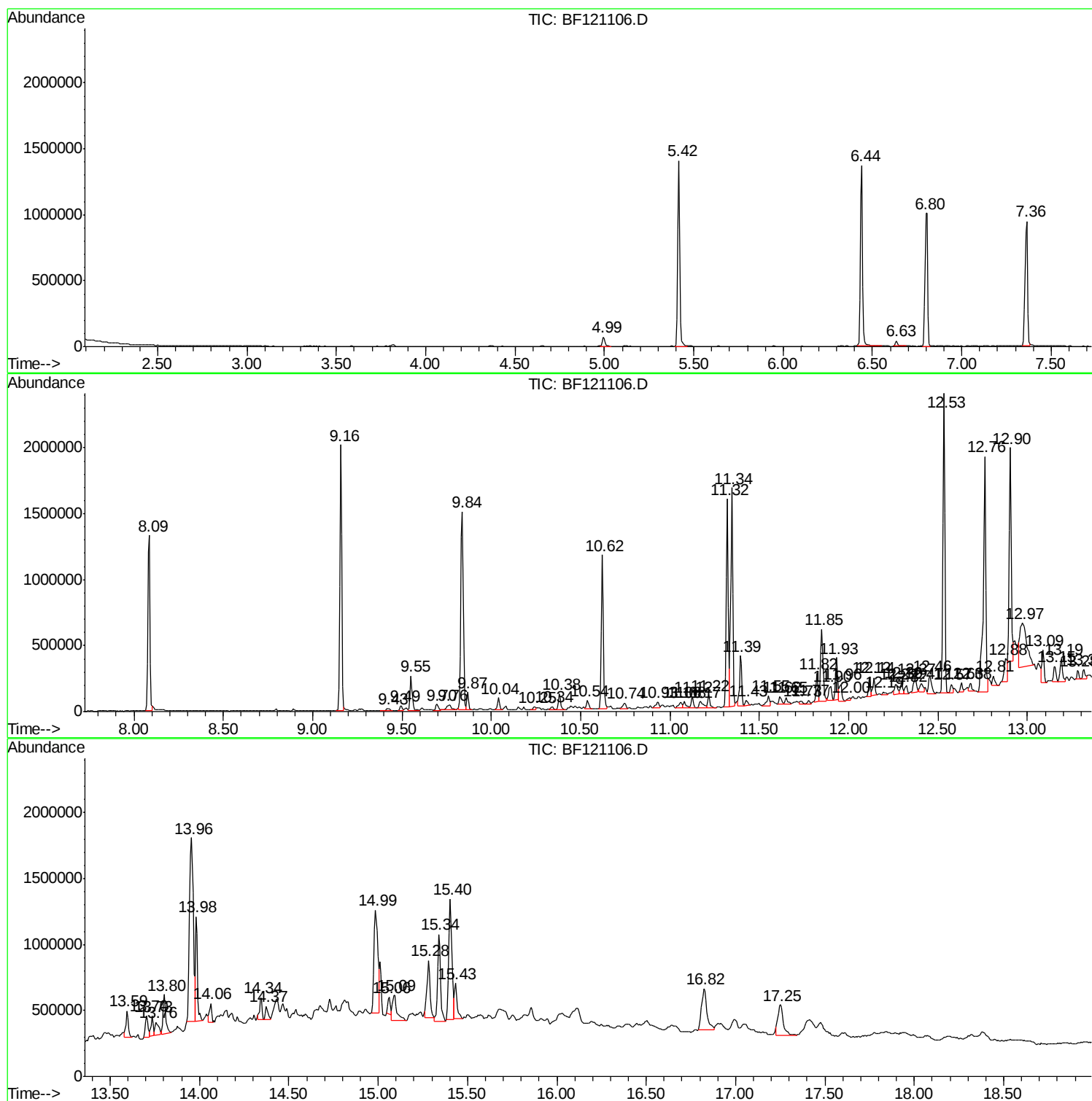
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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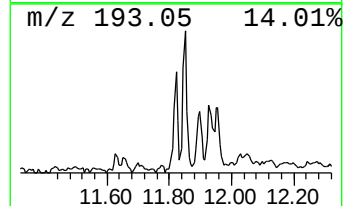
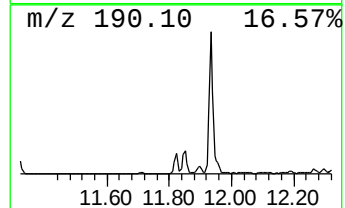
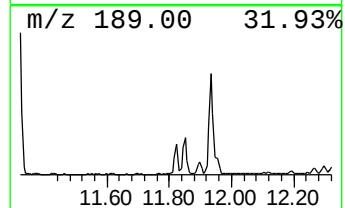
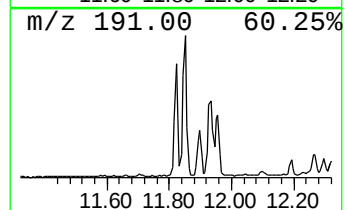
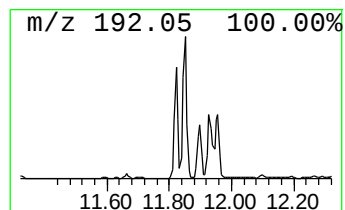
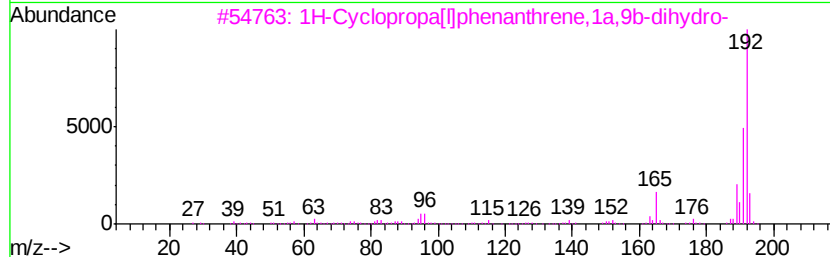
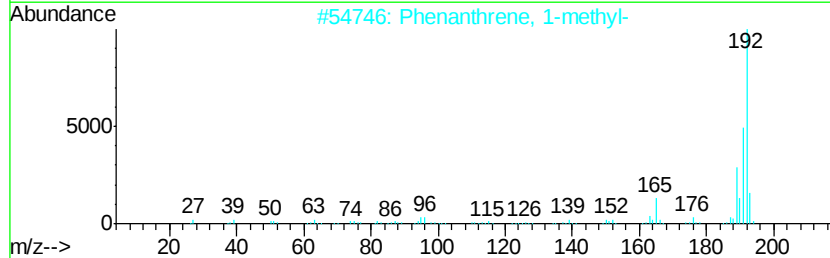
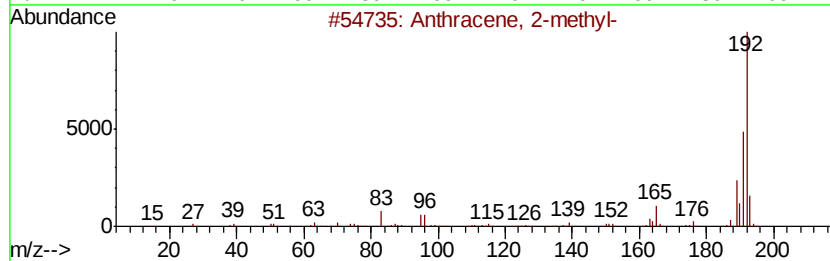
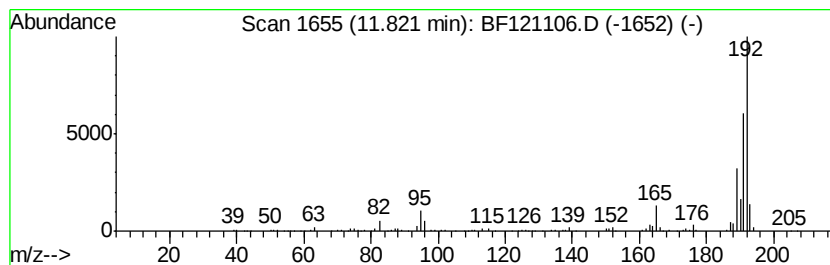
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.82	2.66 ng	180305	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95



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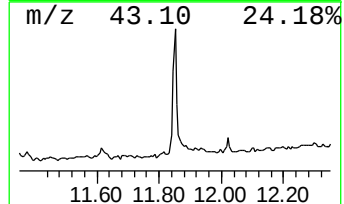
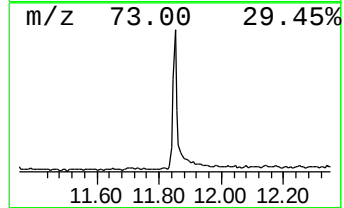
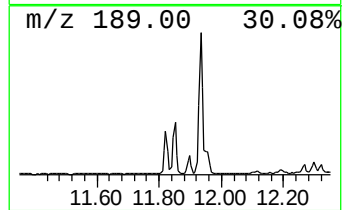
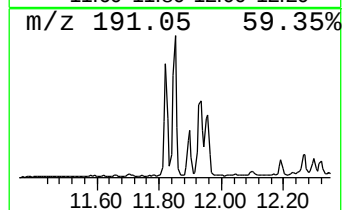
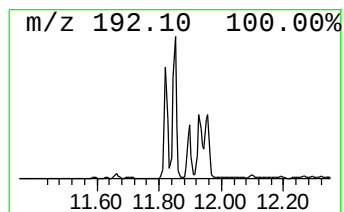
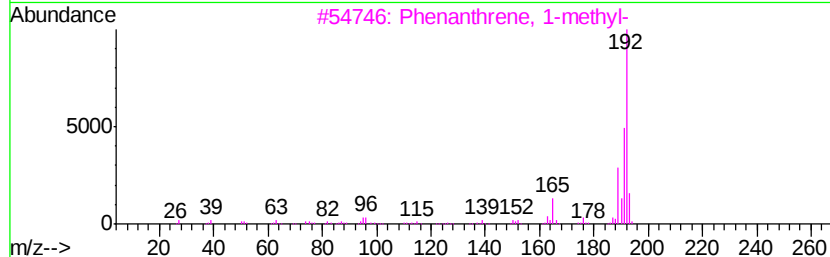
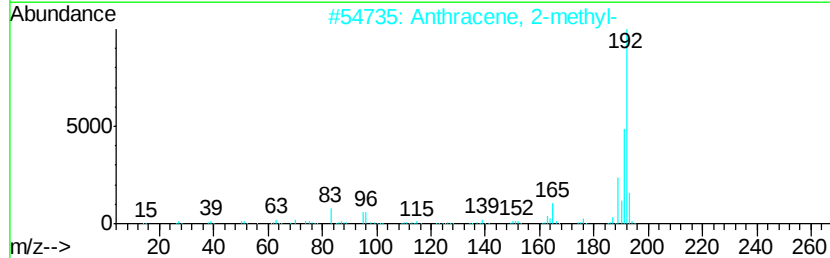
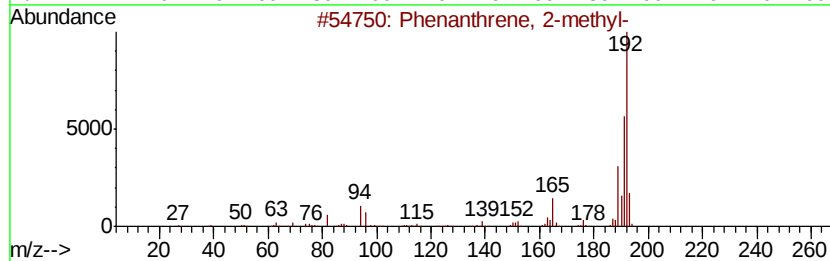
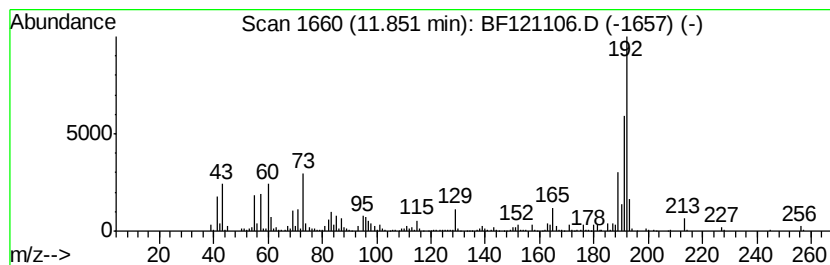
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	7.03 ng	477301	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93



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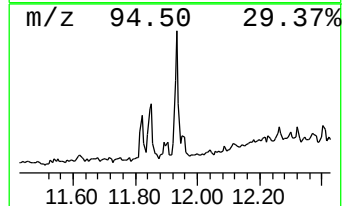
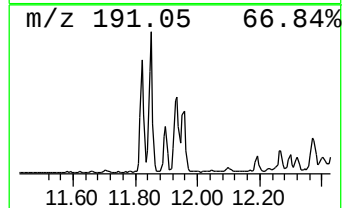
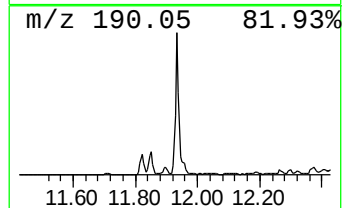
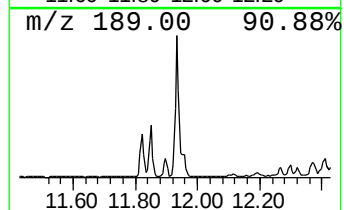
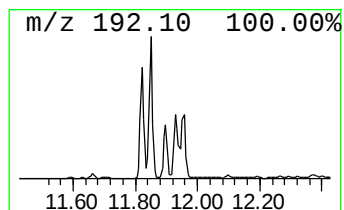
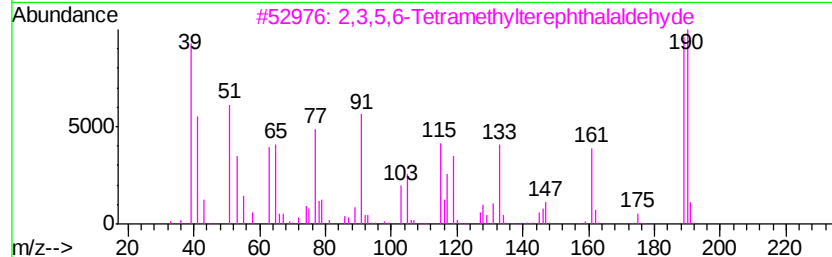
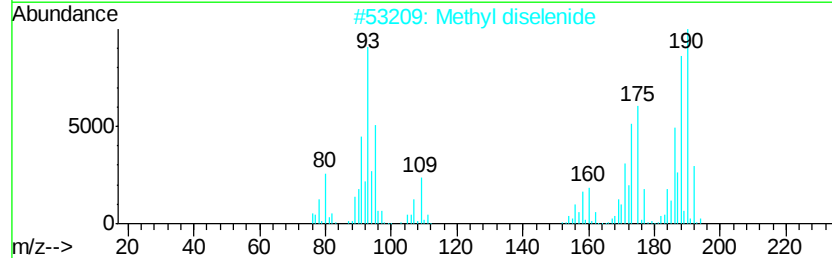
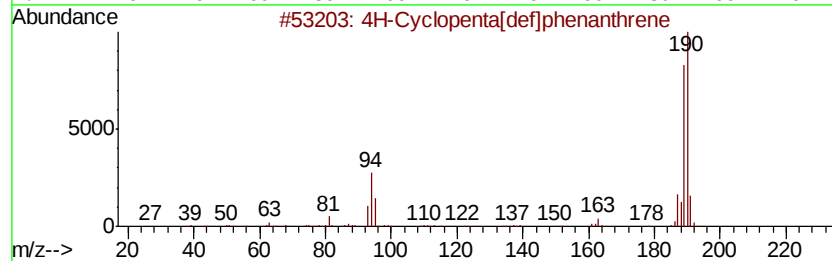
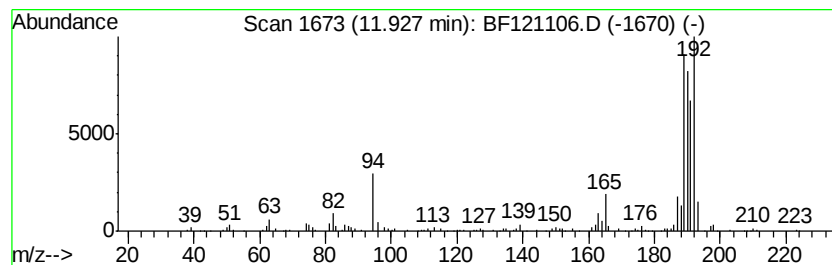
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.93	4.54 ng	308093	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Methyl diselenide	190	C2H6Se2	007101-31-7	49
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42



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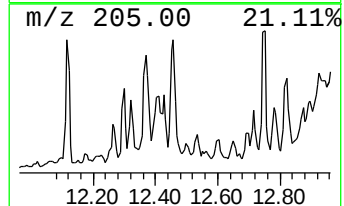
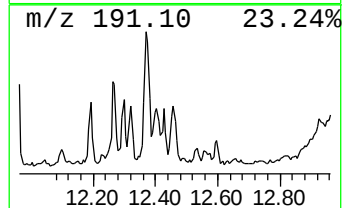
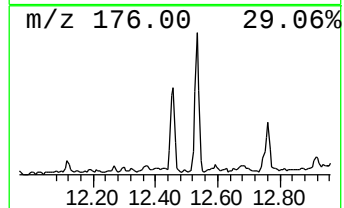
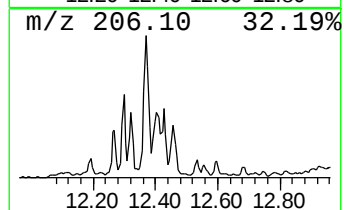
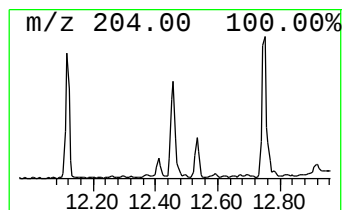
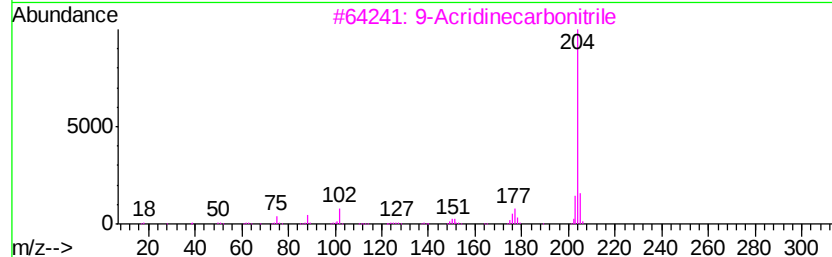
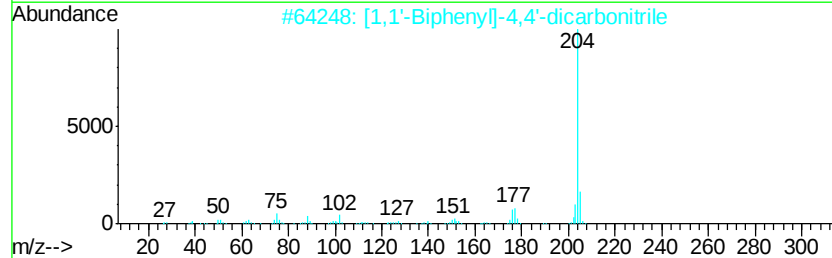
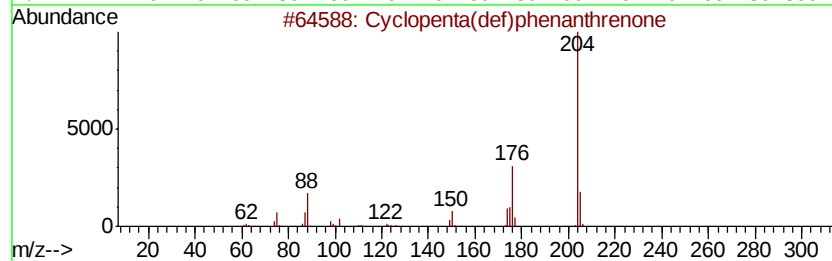
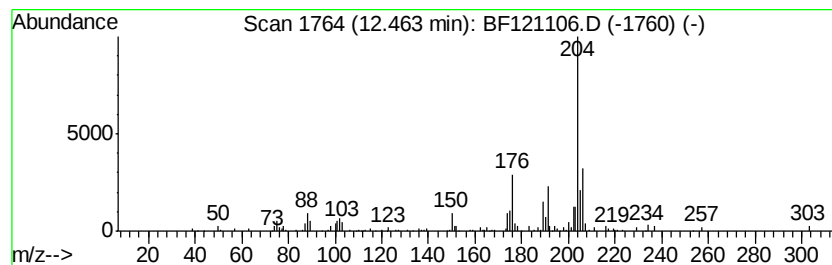
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.12 ng	143922	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53
4		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121106.D
Acq On : 29 Jul 2020 17:23
Operator : JU/CG
Sample : L3185-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

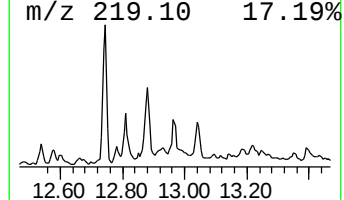
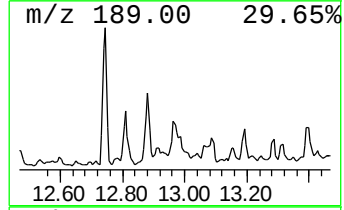
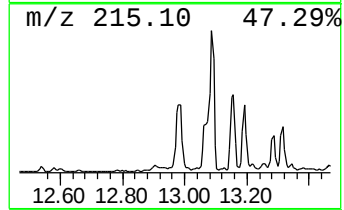
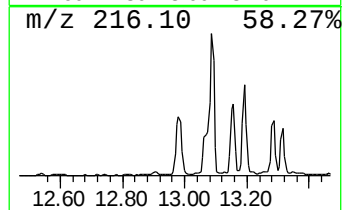
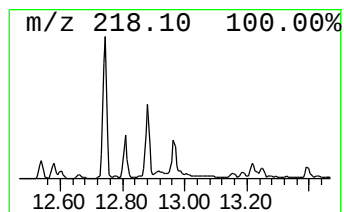
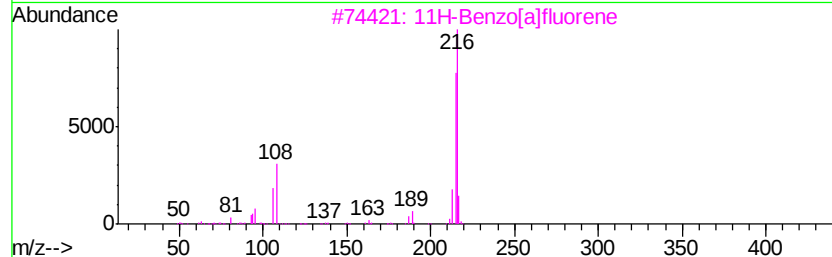
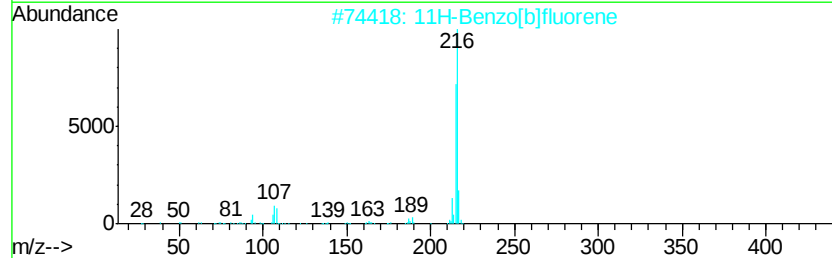
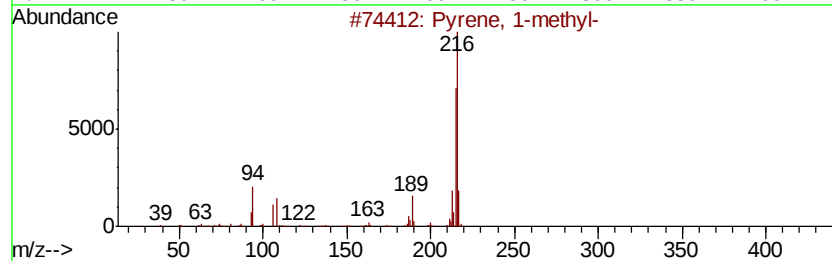
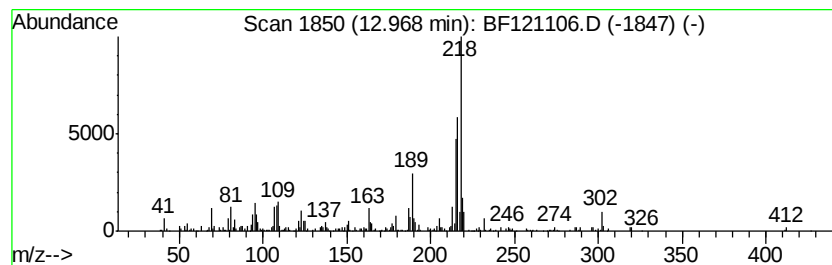
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ClientSampleId :
PL-05-072720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	8.52 ng	854338	Chrysene-d12	13.96
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 92
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 87
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 80
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 76
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121106.D
Acq On : 29 Jul 2020 17:23
Operator : JU/CG
Sample : L3185-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

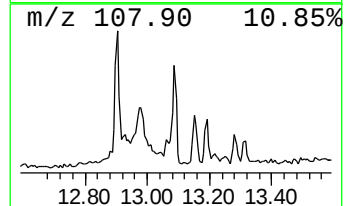
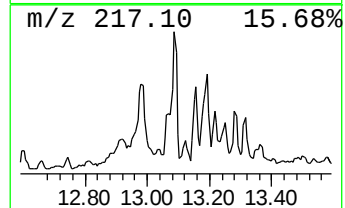
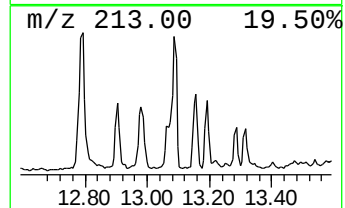
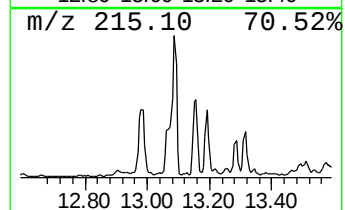
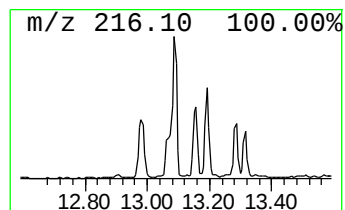
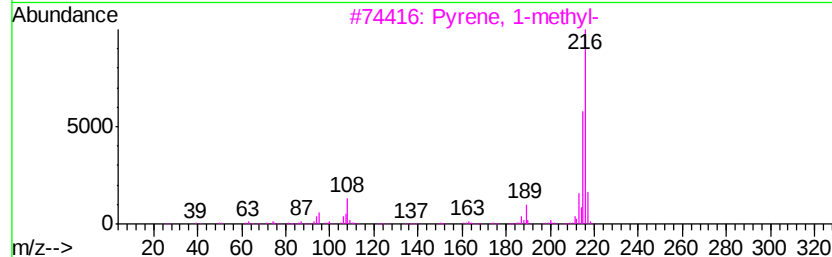
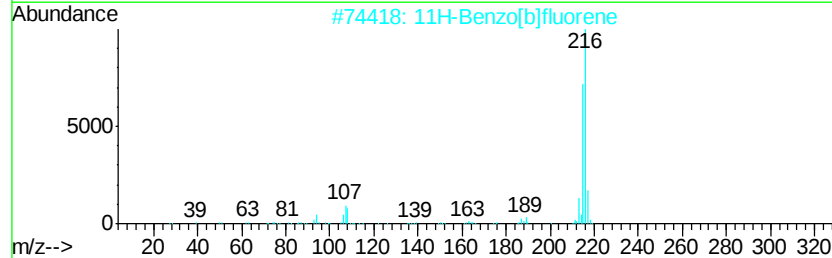
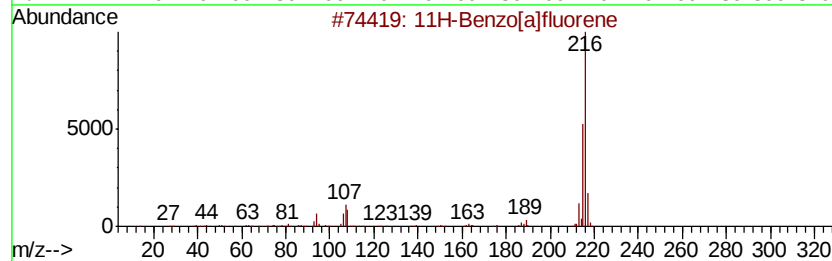
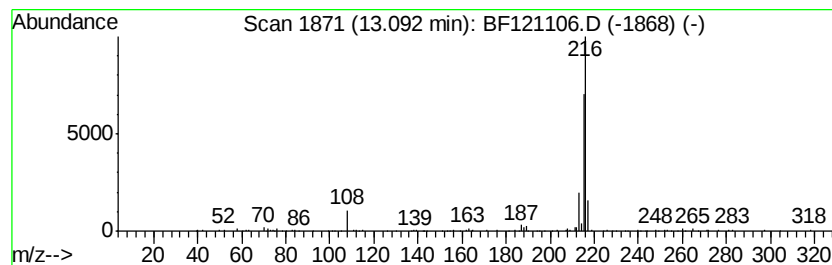
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	2.16 ng	216750	Chrysene-d12	13.96

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	81
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	80
4		Pvrene, 2-methyl-	216	C17H12	003442-78-2	58
5		1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121106.D
Acq On : 29 Jul 2020 17:23
Operator : JU/CG
Sample : L3185-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

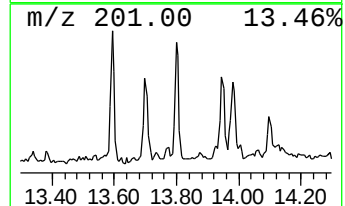
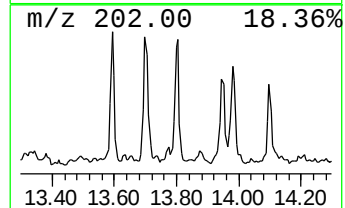
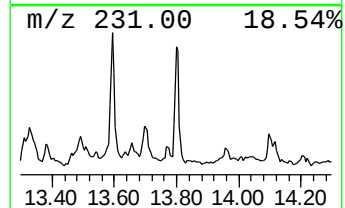
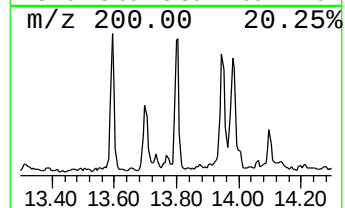
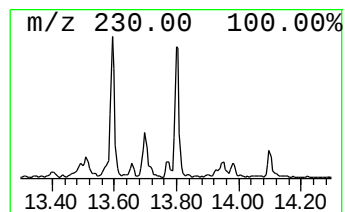
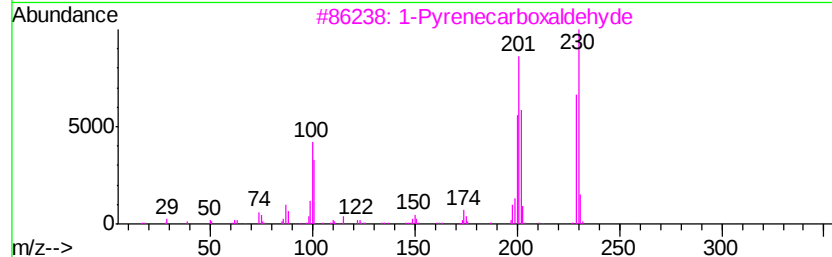
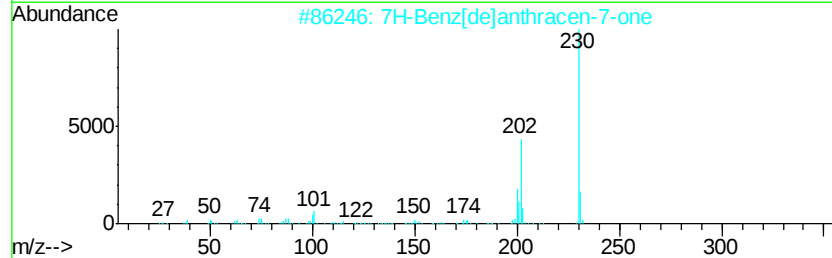
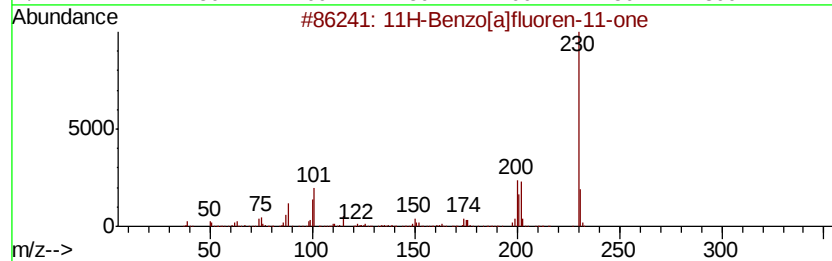
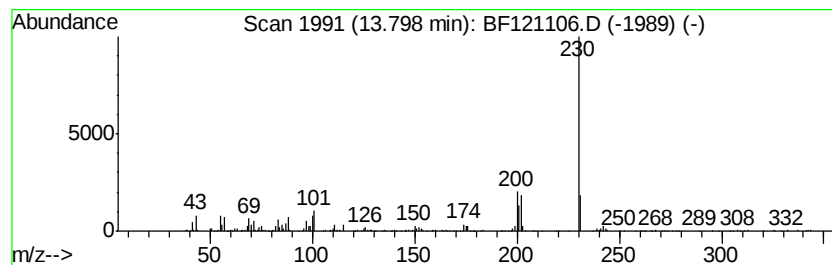
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	3.22 ng	322559	Chrysene-d12	13.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
4		Dibenzo[c,h][2,6]naphthylridine	230	C16H10N2	000218-30-4	59
5		4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121106.D
Acq On : 29 Jul 2020 17:23
Operator : JU/CG
Sample : L3185-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

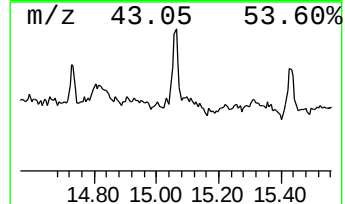
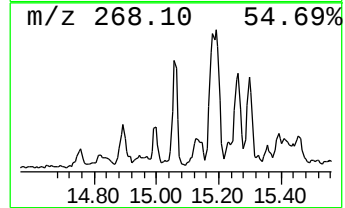
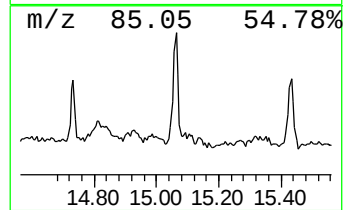
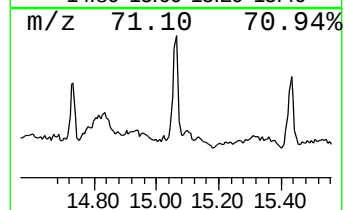
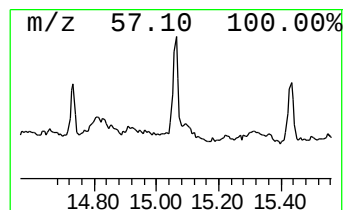
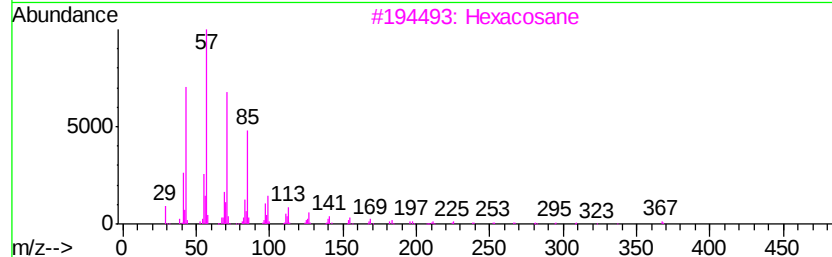
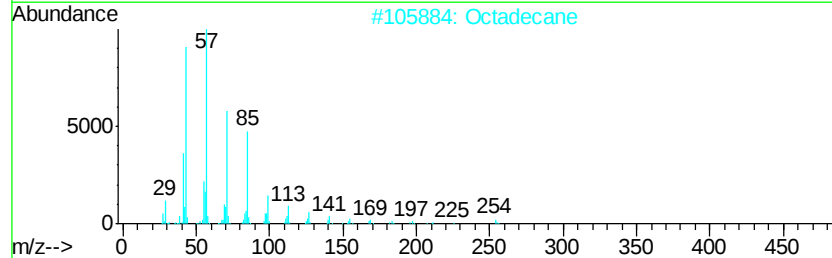
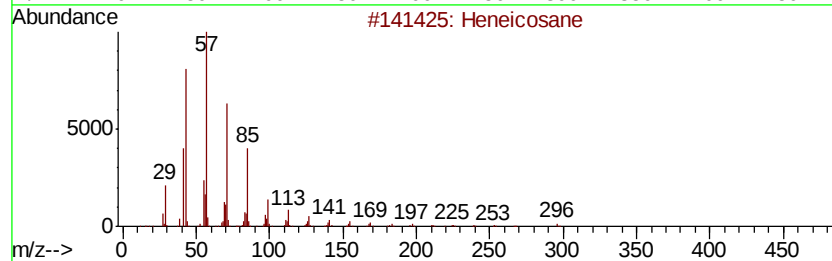
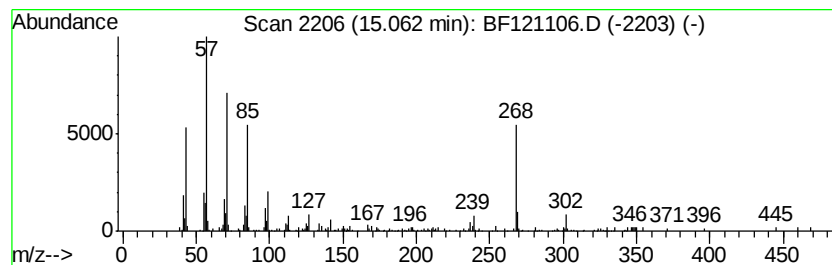
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	2.43 ng	135633	Perylene-d12	15.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	78
2		Octadecane	254	C18H38	000593-45-3	70
3		Hexacosane	366	C26H54	000630-01-3	55
4		Octacosane	394	C28H58	000630-02-4	55
5		Tetracosane	338	C24H50	000646-31-1	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121106.D
Acq On : 29 Jul 2020 17:23
Operator : JU/CG
Sample : L3185-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

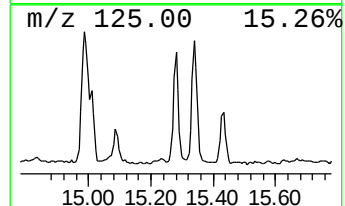
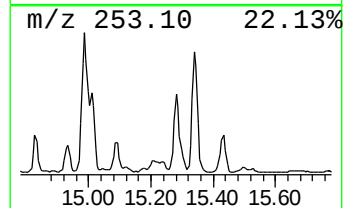
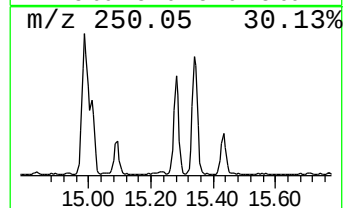
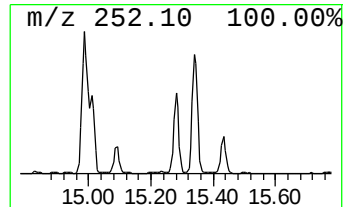
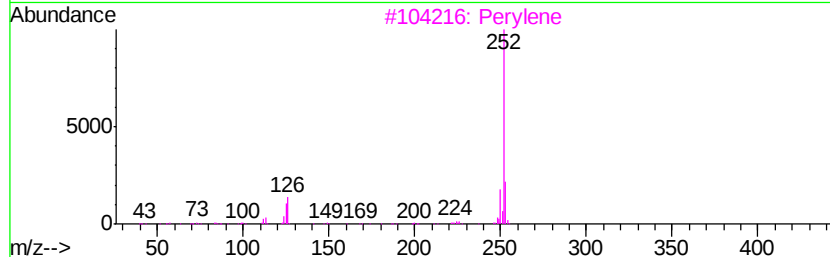
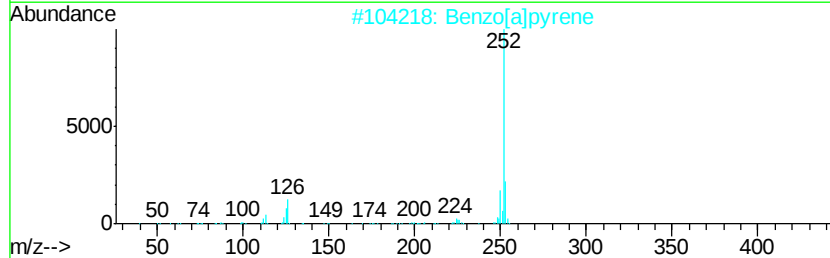
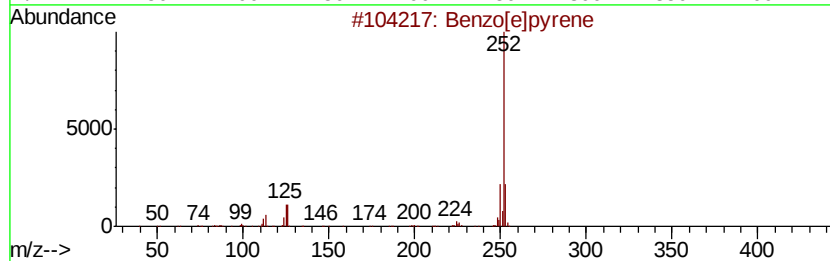
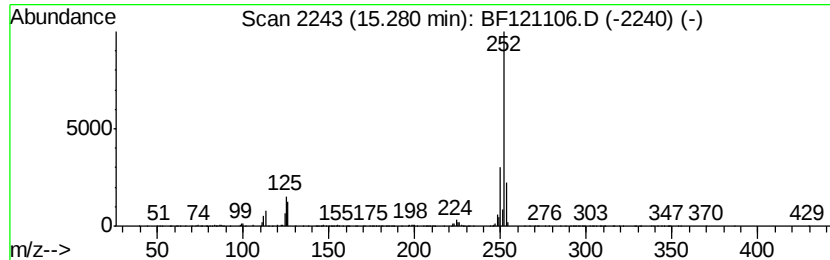
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	9.16 ng	511077	Perylene-d12	15.40

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	97
3			Perylene	252	C20H12	000198-55-0	94
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072920\
Data File : BF121106.D
Acq On : 29 Jul 2020 17:23
Operator : JU/CG
Sample : L3185-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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
Anthracene, 2-met...	11.82	2.7	ng	180305	4	11.32	1356970	20.0
Phenanthrene, 2-m...	11.85	7.0	ng	477301	4	11.32	1356970	20.0
4H-Cyclopenta[def...	11.93	4.5	ng	308093	4	11.32	1356970	20.0
Cyclopenta(def)ph...	12.46	2.1	ng	143922	4	11.32	1356970	20.0
Pyrene, 1-methyl-	12.97	8.5	ng	854338	5	13.96	2005280	20.0
11H-Benzo[a]fluorene	13.09	2.2	ng	216750	5	13.96	2005280	20.0
11H-Benzo[a]fluor...	13.80	3.2	ng	322559	5	13.96	2005280	20.0
Heneicosane	15.06	2.4	ng	135633	6	15.40	1116460	20.0
Benzo[e]pyrene	15.28	9.2	ng	511077	6	15.40	1116460	20.0