LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121860.D
Acq On : 6 Oct 2020 19:03
Operator : JU/CG
Sample : L4228-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PY-BIN-4

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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	5.381	557	560	581	rBV	346243	442092	37.08%	3.341%
2	6.404	731	734	748	rBV	366782	465522	39.05%	3.519%
3	6.763	791	795	803	rBV	847734	719897	60.38%	5.441%
4	7.322	887	890	901	rBV	258399	307302	25.78%	2.323%
5	8.045	1009	1013	1032	rBV	980375	929914	78.00%	7.029%
6	8.763	1131	1135	1143	rVB	20571	27637	2.32%	0.209%
7	8.857	1147	1151	1159	rVB	39745	41254	3.46%	0.312%
8	9.122	1192	1196	1205	rBV	516826	537806	45.11%	4.065%
9	9.192	1205	1208	1212	rVV3	16469	20658	1.73%	0.156%
10	9.386	1238	1241	1245	rBV	20140	26190	2.20%	0.198%
11	9.457	1250	1253	1256	rBV	38202	36728	3.08%	0.278%
12	9.516	1259	1263	1268	rVB	66105	80387	6.74%	0.608%
13	9.575	1270	1273	1275	rBV	16012	13320	1.12%	0.101%
14	9.657	1284	1287	1291	rBV	61378	60052	5.04%	0.454%
15	9.704	1293	1295	1298	rVB2	18722	15337	1.29%	0.116%
16	9.798	1304	1311	1314	rBV	1043289	875512	73.43%	6.617%
17	9.827	1314	1316	1326	rVB	72358	81759	6.86%	0.618%
18	10.004	1342	1346	1350	rBV2	35801	39628	3.32%	0.300%
19	10.039	1350	1352	1357	rVB	18942	17719	1.49%	0.134%
20	10.116	1362	1365	1367	rBV2	23953	24829	2.08%	0.188%
21	10.204	1376	1380	1382	rBV2	19197	22791	1.91%	0.172%
22	10.345	1401	1404	1410	rVB	72667	79216	6.64%	0.599%
23	10.410	1410	1415	1416	rBV3	14757	16054	1.35%	0.121%
24	10.504	1428	1431	1434	rVB2	14139	15041	1.26%	0.114%
25	10.586	1442	1445	1452	rBV	215572	207177	17.38%	1.566%
26	10.710	1462	1466	1472	rVB4	23948	31800	2.67%	0.240%
27	10.892	1493	1497	1500	rBV2	32847	37085	3.11%	0.280%
28	10.921	1500	1502	1505	rVB2	21699	17379	1.46%	0.131%
29	10.974	1508	1511	1514	rVB	23839	20279	1.70%	0.153%
30	11.021	1514	1519	1521	rBV5	18054	25988	2.18%	0.196%
31	11.139	1535	1539	1542	rBV4	10746	18490	1.55%	0.140%
32	11.180	1543	1546	1552	rVB	42016	44933	3.77%	0.340%
33	11.280	1560	1563	1565	rBV	841809	732236	61.42%	5.534%
34	11.304	1565	1567	1571	rVV	479187	416898	34.97%	3.151%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121860.D
Acq On : 6 Oct 2020 19:03
Operator : JU/CG
Sample : L4228-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PY-BIN-4

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.357	1573	1576	1580	rVV	159140	139647	11.71%	1.055%
36	11.392	1580	1582	1585	rVB2	18812	20480	1.72%	0.155%
37	11.521	1600	1604	1608	rBV2	23248	35312	2.96%	0.267%
38	11.616	1617	1620	1625	rVB2	19627	25996	2.18%	0.196%
39	11.698	1631	1634	1639	rBV	16312	17969	1.51%	0.136%
40	11.786	1645	1649	1651	rBV	83673	85018	7.13%	0.643%
41	11.810	1651	1653	1658	rVB	103016	96105	8.06%	0.726%
42	11.863	1658	1662	1664	rBV	52058	56062	4.70%	0.424%
43	11.898	1664	1668	1670	rBV	157034	172250	14.45%	1.302%
44	12.080	1696	1699	1701	rBV	51599	46614	3.91%	0.352%
45	12.227	1719	1724	1726	rBV3	35138	49404	4.14%	0.373%
46	12.257	1727	1729	1731	rVV	37920	32909	2.76%	0.249%
47	12.280	1731	1733	1737	rVB2	23809	21523	1.81%	0.163%
48	12.333	1739	1742	1745	rVV	90918	93009	7.80%	0.703%
49	12.368	1745	1748	1750	rVV2	69072	77611	6.51%	0.587%
50	12.421	1754	1757	1761	rBV2	54747	91232	7.65%	0.690%
51	12.492	1766	1769	1773	rBV	758216	689017	57.79%	5.208%
52	12.645	1792	1795	1799	rBV3	46595	55015	4.61%	0.416%
53	12.721	1802	1808	1815	rBV	762990	878161	73.66%	6.637%
54	12.863	1829	1832	1835	rBV	482039	389385	32.66%	2.943%
55	12.939	1842	1845	1849	rBV3	57488	86683	7.27%	0.655%
56	13.051	1862	1864	1868	rVB	140256	120774	10.13%	0.913%
57	13.115	1873	1875	1878	rVV	109840	98287	8.24%	0.743%
58	13.157	1879	1882	1885	rVV2	99309	90957	7.63%	0.687%
59	13.245	1895	1897	1900	rVB	73115	60491	5.07%	0.457%
60	13.280	1900	1903	1906	rBV	80462	76597	6.42%	0.579%
61	13.921	2007	2012	2015	rBV2	981167	1192231	100.00%	9.011%
62	13.945	2015	2016	2019	rVB	348868	251764	21.12%	1.903%
63	14.951	2183	2187	2190	rBV	275499	404406	33.92%	3.057%
64	15.239	2234	2236	2243	rVB	195800	240313	20.16%	1.816%
65	15.304	2243	2247	2251	rBV	297198	373587	31.34%	2.824%
66	15.362	2253	2257	2261	rBV	534088	712736	59.78%	5.387%

Sum of corrected areas: 13230455

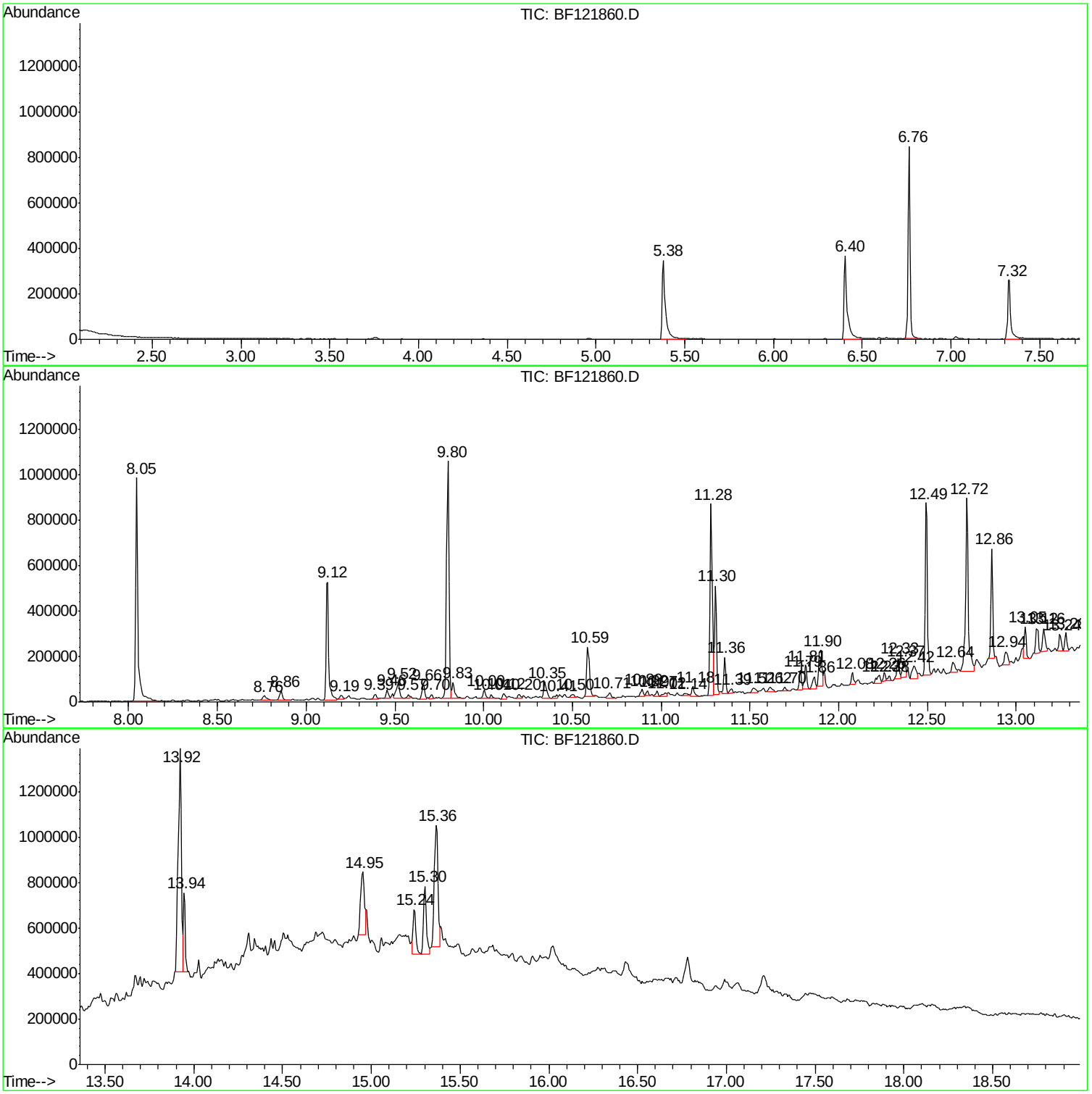
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121860.D
Acq On : 6 Oct 2020 19:03
Operator : JU/CG
Sample : L4228-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PY-BIN-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121860.D
Acq On : 6 Oct 2020 19:03
Operator : JU/CG
Sample : L4228-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PY-BIN-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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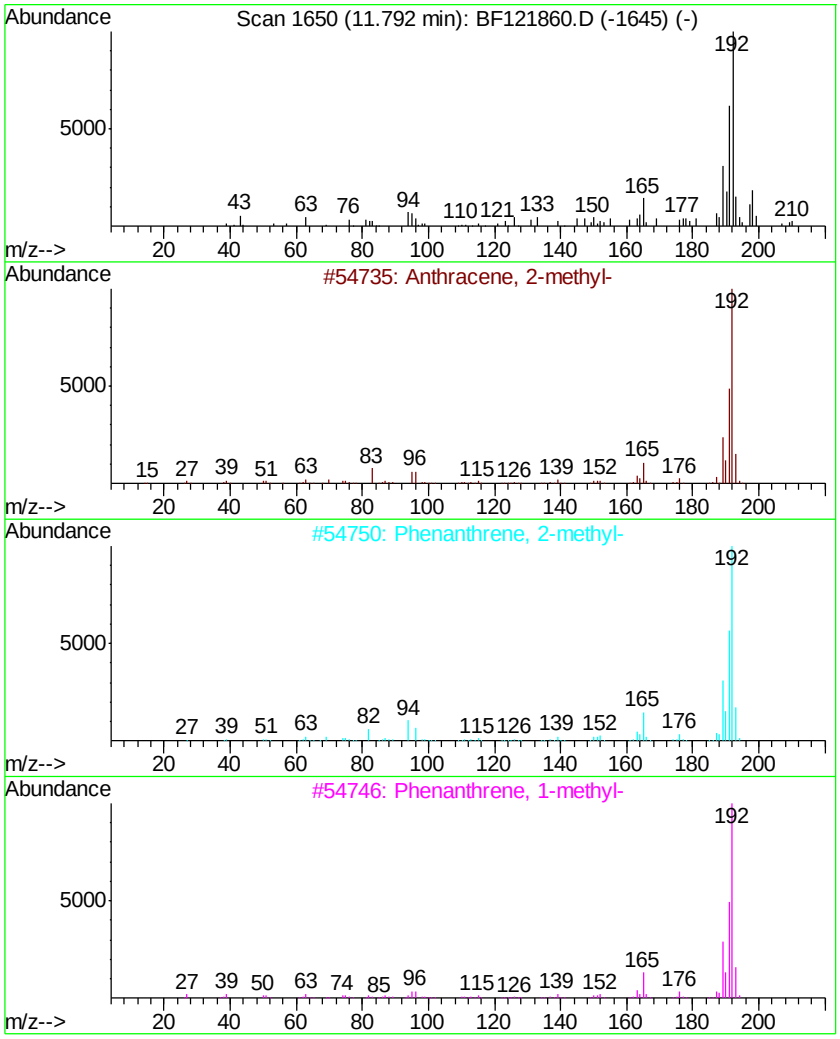
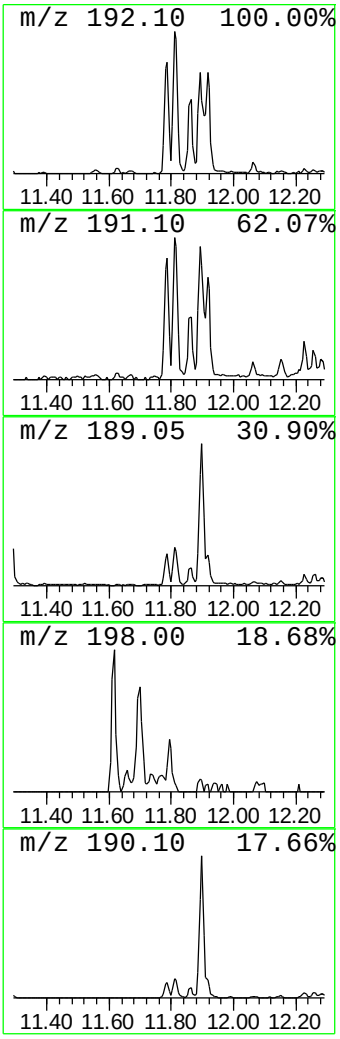
Peak Number 1 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	2.32 ng	85018	Phenanthrene-d10	11.28

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	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121860.D
Acq On : 6 Oct 2020 19:03
Operator : JU/CG
Sample : L4228-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PY-BIN-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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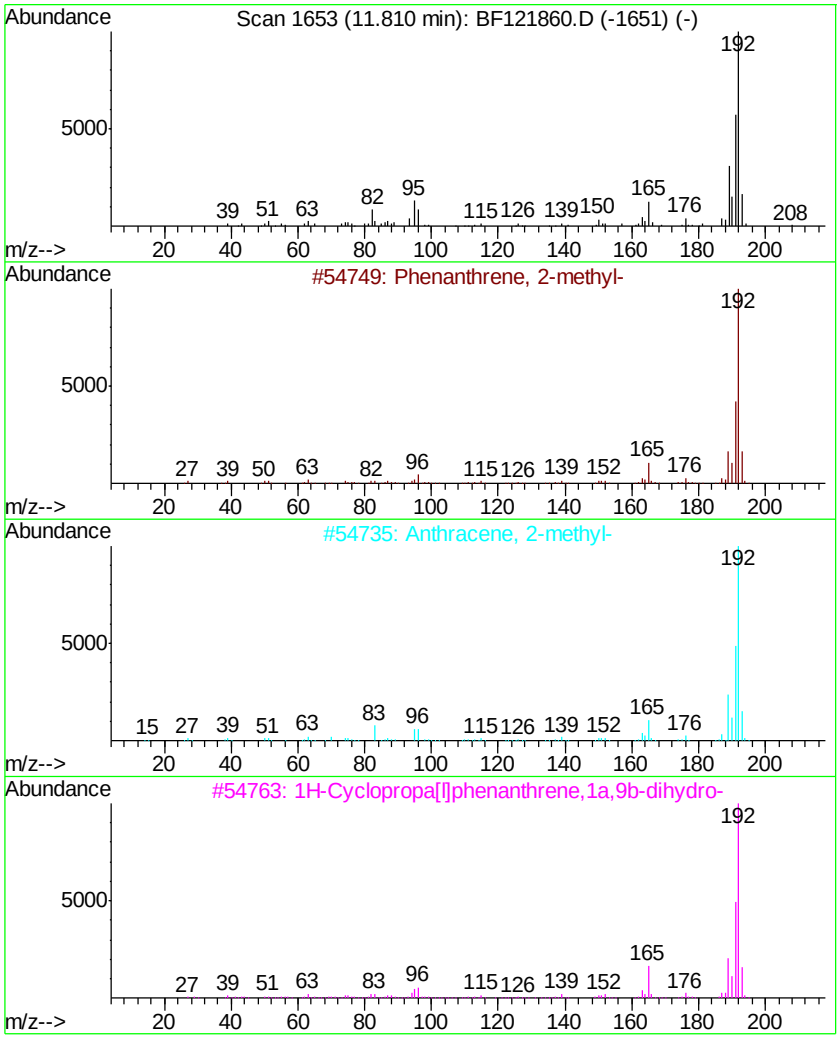
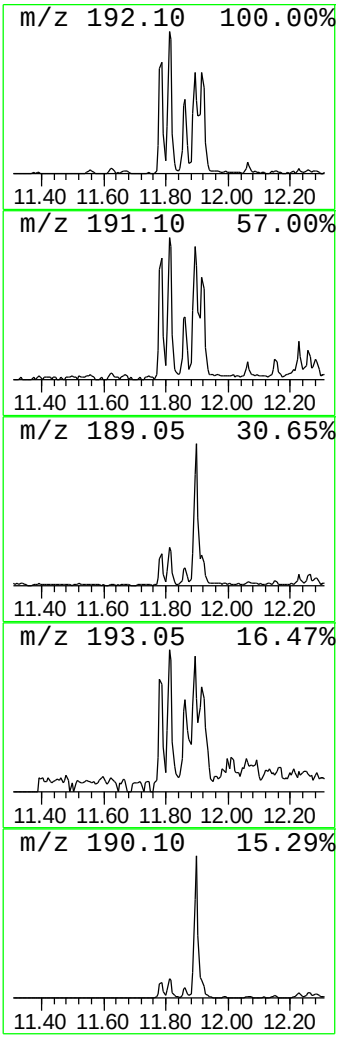
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	2.62 ng	96105	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121860.D
Acq On : 6 Oct 2020 19:03
Operator : JU/CG
Sample : L4228-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PY-BIN-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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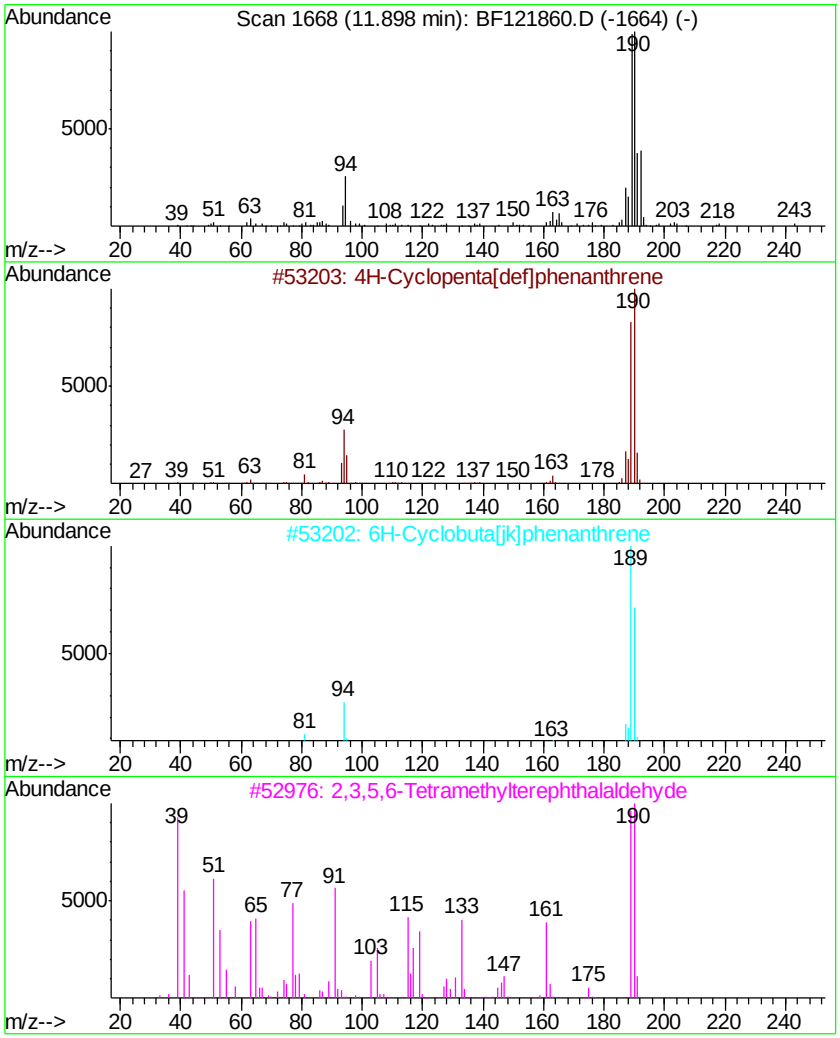
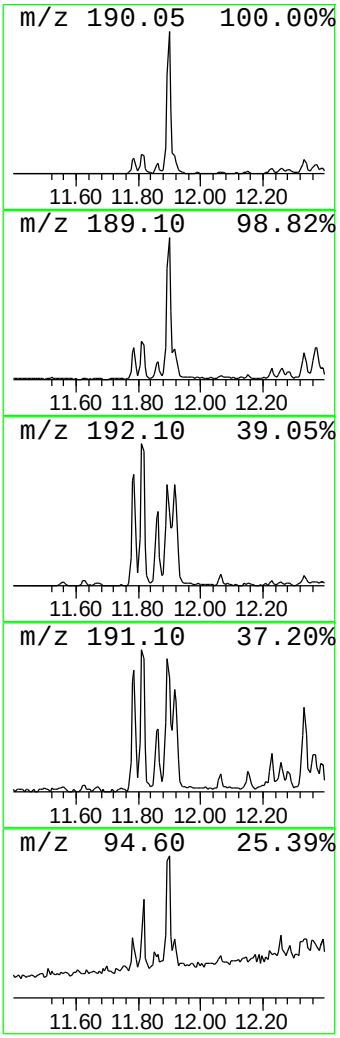
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	4.70 ng	172250	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	46
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	1-Aminocyclopentanecarboxylic ac...	389	C20H36ClNO4	1000329-17-2	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121860.D
Acq On : 6 Oct 2020 19:03
Operator : JU/CG
Sample : L4228-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PY-BIN-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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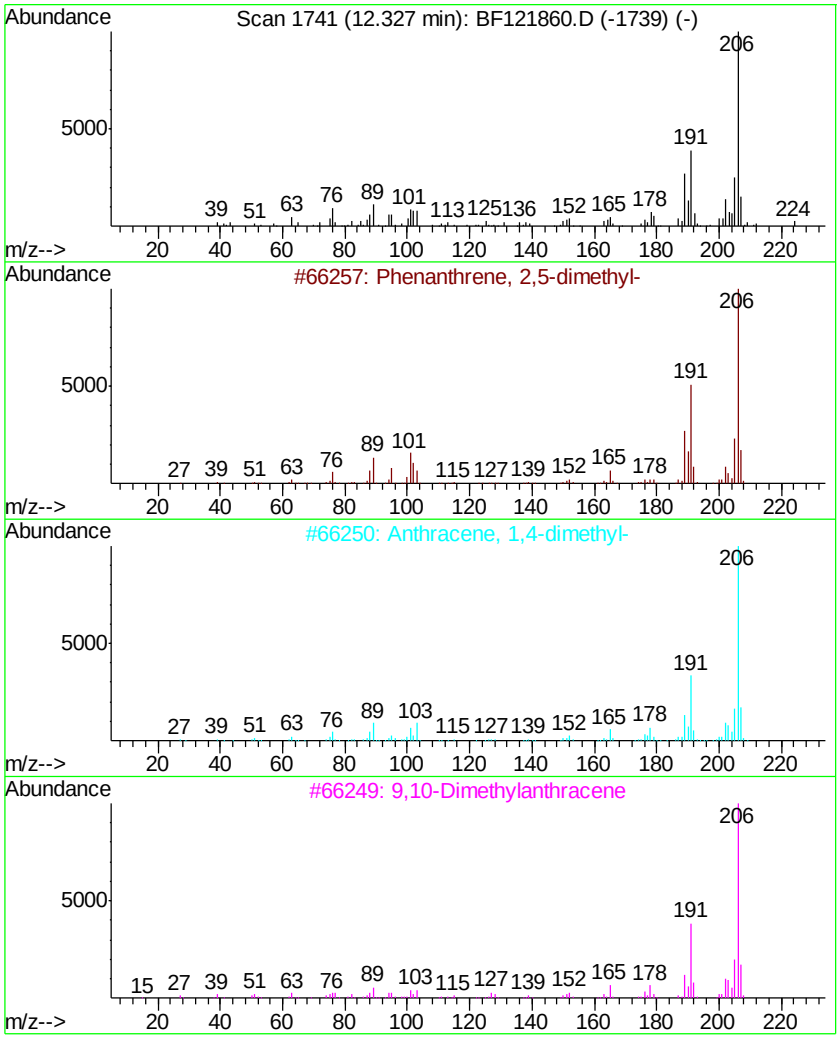
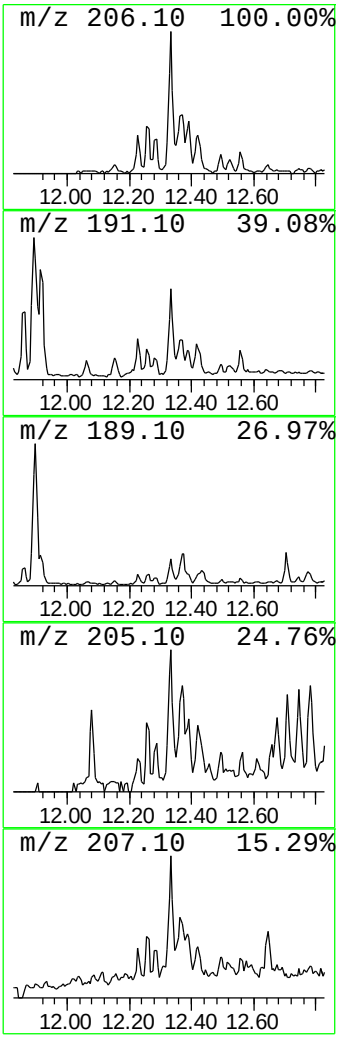
Peak Number 4 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	2.54 ng	93009	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121860.D
Acq On : 6 Oct 2020 19:03
Operator : JU/CG
Sample : L4228-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PY-BIN-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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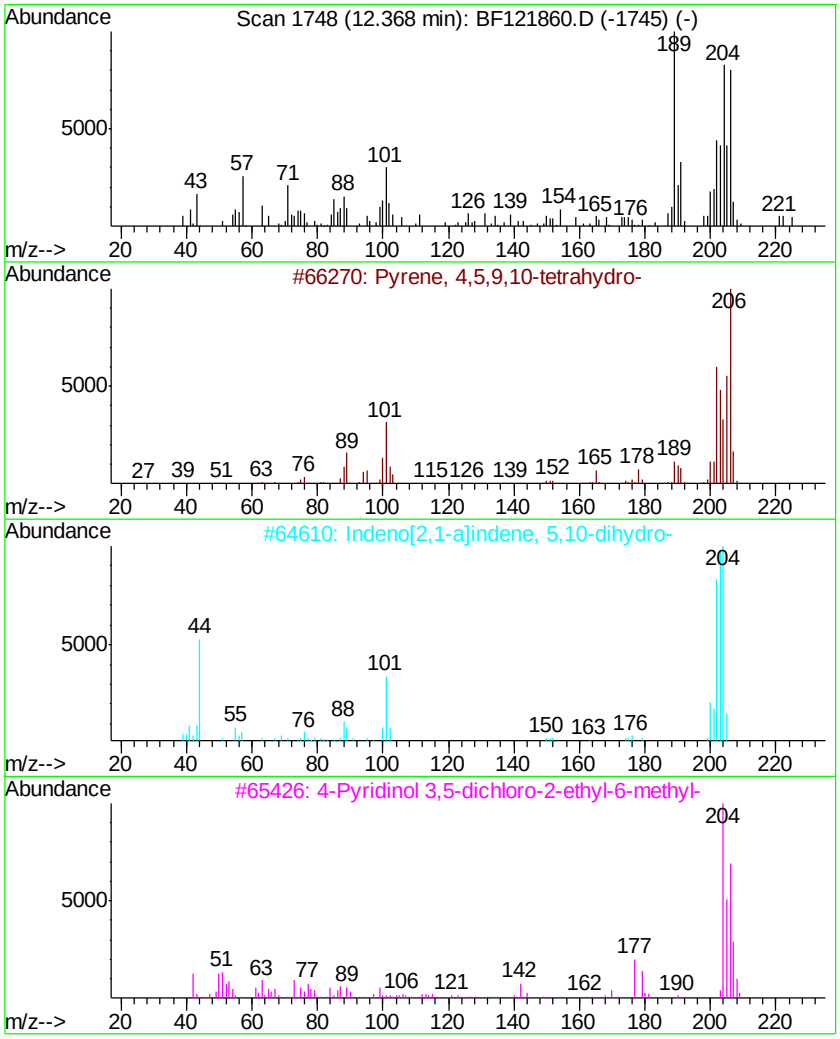
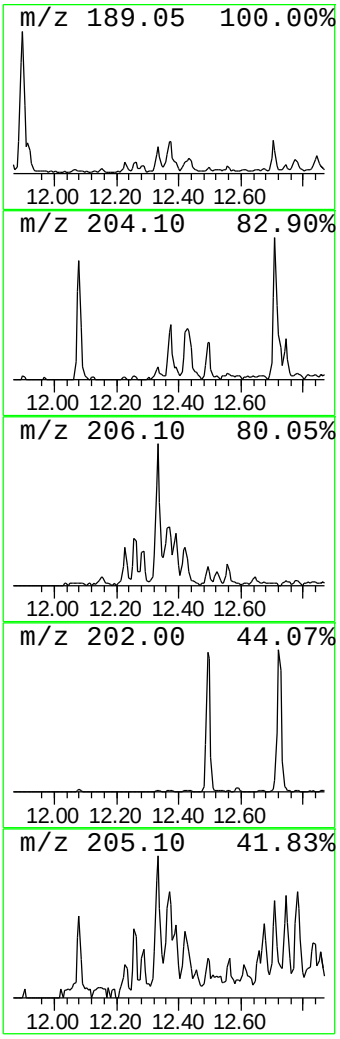
Peak Number 5 unknown12.37 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	2.12 ng	77611	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
3	4-Pyridinol 3,5-dichloro-2-ethyl...	205	C8H9Cl2NO	1000253-55-0	38
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121860.D
Acq On : 6 Oct 2020 19:03
Operator : JU/CG
Sample : L4228-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PY-BIN-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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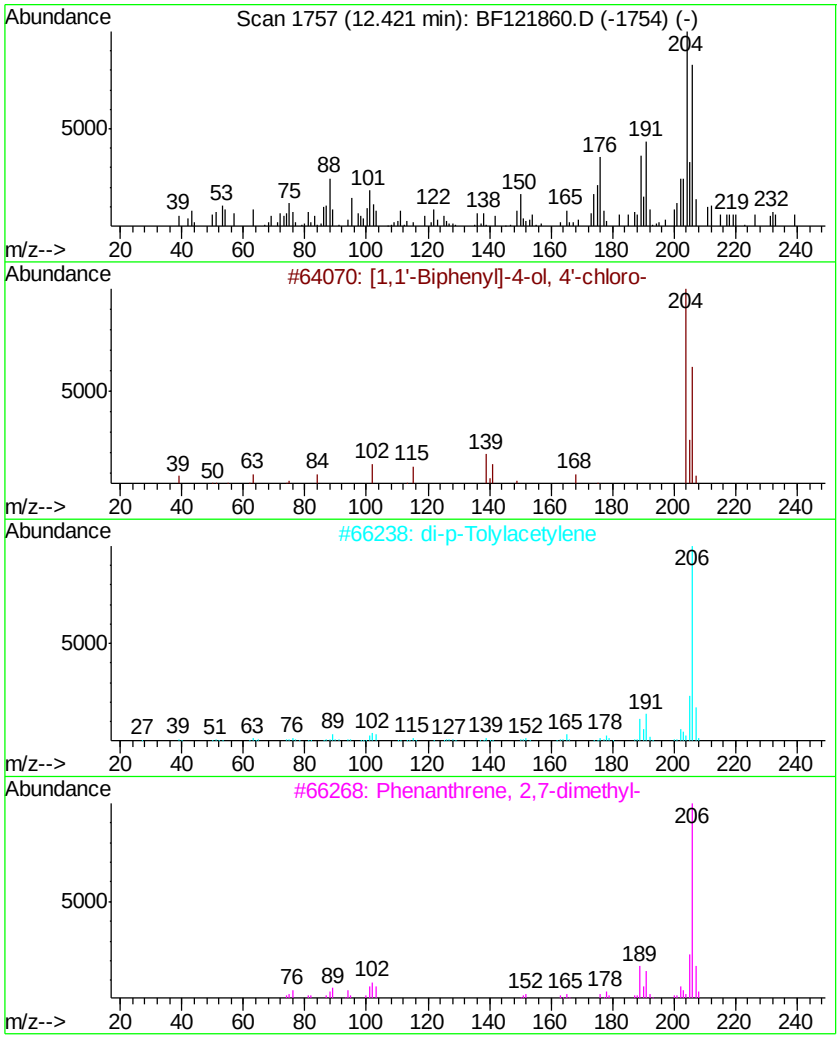
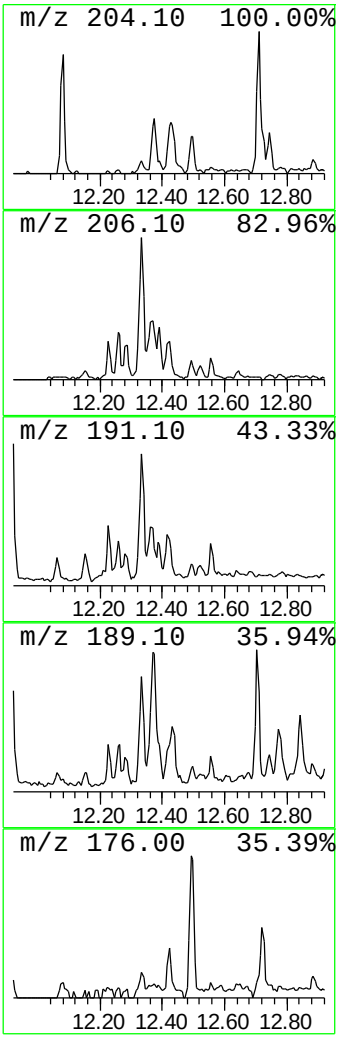
Peak Number 6 unknown12.42 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.49 ng	91232	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	45
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	42
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121860.D
Acq On : 6 Oct 2020 19:03
Operator : JU/CG
Sample : L4228-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PY-BIN-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

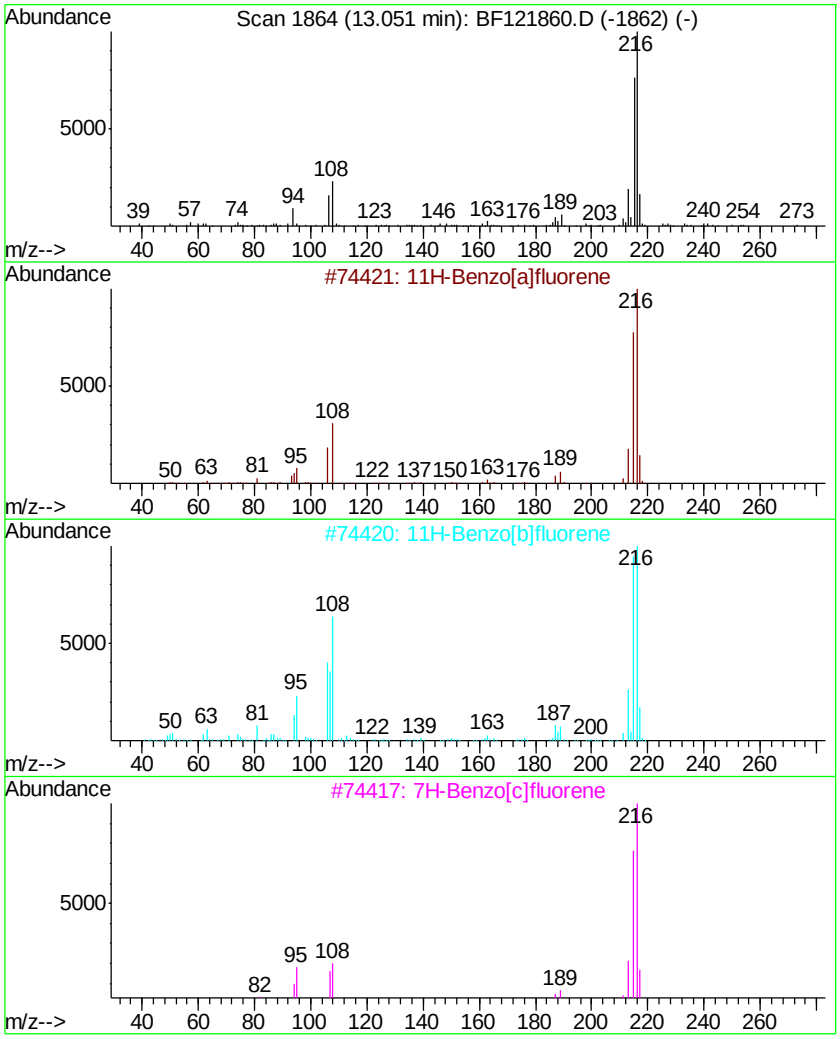
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

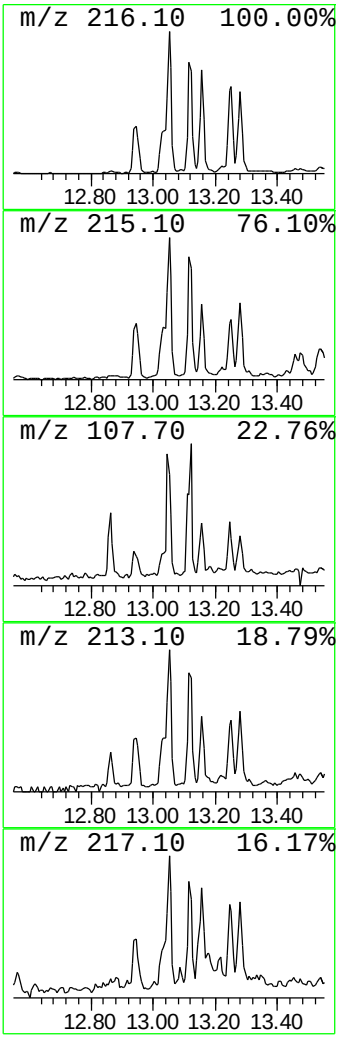
****

Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	2.03 ng	120774	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	4-Hydroxy-6-methyl-1-pyridin-3-y...	216	C12H12N2O2	1000318-25-3	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121860.D
Acq On : 6 Oct 2020 19:03
Operator : JU/CG
Sample : L4228-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PY-BIN-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

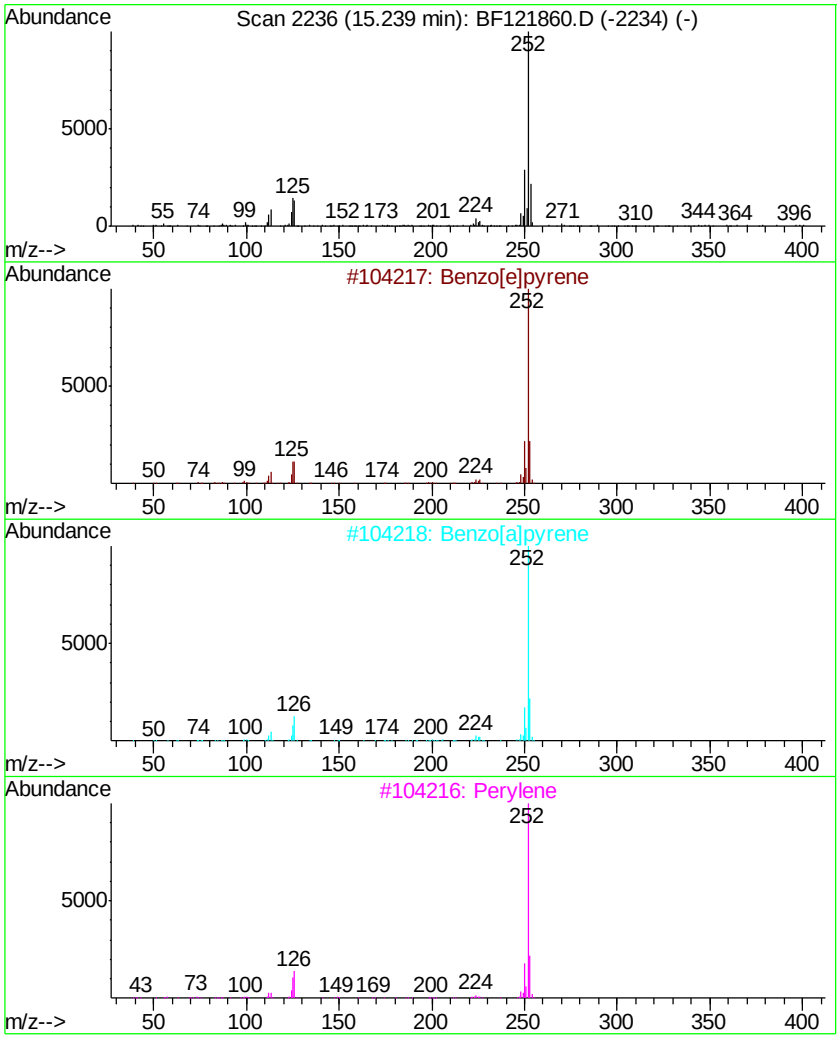
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

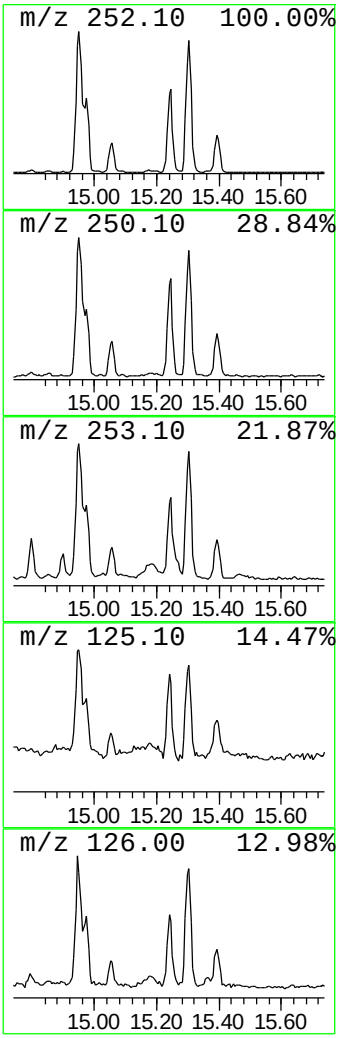
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	6.74 ng	240313	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100620\
Data File : BF121860.D
Acq On : 6 Oct 2020 19:03
Operator : JU/CG
Sample : L4228-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PY-BIN-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Anthracene, 2-met...	11.79	2.3	ng	85018	4	11.28	732236	20.0
Phenanthrene, 2-m...	11.81	2.6	ng	96105	4	11.28	732236	20.0
4H-Cyclopenta[def...	11.90	4.7	ng	172250	4	11.28	732236	20.0
Phenanthrene, 2,5...	12.33	2.5	ng	93009	4	11.28	732236	20.0
unknown12.37	12.37	2.1	ng	77611	4	11.28	732236	20.0
unknown12.42	12.42	2.5	ng	91232	4	11.28	732236	20.0
11H-Benzo[a]fluorene	13.05	2.0	ng	120774	5	13.92	1192230	20.0
Benzo[e]pyrene	15.24	6.7	ng	240313	6	15.36	712736	20.0