LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
Data File : BF107012.D
Acq On : 30 Jun 2018 14:09
Operator : JU/SJ
Sample : J3600-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-1

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-BF061918.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	5.178	480	483	495	rBB	17133	18127	1.35%	0.124%
2	5.589	550	553	569	rBB	264876	264768	19.75%	1.808%
3	6.595	720	724	740	rBV	260232	272013	20.29%	1.857%
4	6.725	743	746	752	rBV	311299	286659	21.38%	1.957%
5	6.954	781	785	788	rBV	421615	374221	27.91%	2.555%
6	7.107	807	811	820	rVB	272801	227389	16.96%	1.553%
7	7.513	877	880	891	rBV	160289	158209	11.80%	1.080%
8	8.236	999	1003	1006	rBV	506753	450195	33.58%	3.074%
9	9.307	1181	1185	1194	rBV	341750	299186	22.31%	2.043%
10	9.701	1249	1252	1259	rVB	23511	24224	1.81%	0.165%
11	9.854	1275	1278	1283	rBV	31276	29885	2.23%	0.204%
12	9.995	1298	1302	1305	rBV	518747	446073	33.27%	3.046%
13	10.024	1305	1307	1312	rVB	75847	62517	4.66%	0.427%
14	10.201	1332	1337	1340	rBV	30926	30899	2.30%	0.211%
15	10.401	1365	1371	1376	rBV2	13678	14105	1.05%	0.096%
16	10.542	1392	1395	1401	rVB	65586	62104	4.63%	0.424%
17	10.789	1430	1437	1442	rBV2	170191	172946	12.90%	1.181%
18	11.089	1482	1488	1491	rBV2	18239	21508	1.60%	0.147%
19	11.242	1511	1514	1518	rVV4	12373	16729	1.25%	0.114%
20	11.295	1518	1523	1526	rVV	24551	25790	1.92%	0.176%
21	11.324	1526	1528	1535	rVV4	15689	24117	1.80%	0.165%
22	11.383	1535	1538	1542	rVB	43210	33163	2.47%	0.226%
23	11.489	1552	1556	1558	rBV	502354	500494	37.33%	3.417%
24	11.513	1558	1560	1563	rVV	751988	572006	42.66%	3.905%
25	11.560	1563	1568	1573	rVB	182301	177289	13.22%	1.210%
26	11.724	1590	1596	1599	rBV2	66497	75611	5.64%	0.516%
27	11.818	1610	1612	1616	rVB3	18660	21026	1.57%	0.144%
28	11.901	1623	1626	1630	rVB3	10420	13773	1.03%	0.094%
29	11.989	1637	1641	1643	rBV	88772	75932	5.66%	0.518%
30	12.018	1643	1646	1650	rVV2	119992	105694	7.88%	0.722%
31	12.066	1651	1654	1657	rVV	54180	45701	3.41%	0.312%
32	12.101	1657	1660	1663	rVV	161409	184482	13.76%	1.260%
33	12.124	1663	1664	1668	rVB	63162	36066	2.69%	0.246%
34	12.283	1688	1691	1694	rVV	69196	63415	4.73%	0.433%

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Sample : J3600-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-1

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.318	1694	1697	1701	rVB	39050	41248	3.08%	0.282%
36	12.430	1711	1716	1719	rBV2	24379	29491	2.20%	0.201%
37	12.465	1719	1722	1724	rVV	18298	15963	1.19%	0.109%
38	12.489	1724	1726	1728	rVB	20508	13714	1.02%	0.094%
39	12.536	1731	1734	1737	rBV	48037	52547	3.92%	0.359%
40	12.577	1737	1741	1743	rVV3	31764	43606	3.25%	0.298%
41	12.630	1747	1750	1754	rVV2	44723	48982	3.65%	0.334%
42	12.707	1759	1763	1767	rBV	1181137	1086389	81.03%	7.417%
43	12.765	1771	1773	1776	rBV	28504	26918	2.01%	0.184%
44	12.801	1776	1779	1781	rVB	22951	19104	1.42%	0.130%
45	12.860	1781	1789	1791	rBV2	52622	73201	5.46%	0.500%
46	12.942	1796	1803	1808	rVV	1067723	1242689	92.69%	8.484%
47	12.983	1808	1810	1814	rVB	64266	60666	4.52%	0.414%
48	13.065	1819	1824	1827	rBV2	404168	387504	28.90%	2.646%
49	13.101	1827	1830	1832	rVB	62424	58465	4.36%	0.399%
50	13.148	1834	1838	1843	rBV2	70216	118577	8.84%	0.810%
51	13.189	1843	1845	1850	rBV2	25168	30112	2.25%	0.206%
52	13.265	1850	1858	1861	rBV	161278	261540	19.51%	1.786%
53	13.330	1866	1869	1871	rBV	131283	104900	7.82%	0.716%
54	13.371	1871	1876	1878	rBV2	96478	114333	8.53%	0.781%
55	13.424	1883	1885	1887	rBV	24490	23031	1.72%	0.157%
56	13.465	1889	1892	1894	rBV	53930	46003	3.43%	0.314%
57	13.495	1894	1897	1900	rBV2	63138	62183	4.64%	0.425%
58	13.536	1902	1904	1906	rBV	54829	41794	3.12%	0.285%
59	13.612	1915	1917	1919	rBV2	15785	13438	1.00%	0.092%
60	13.683	1927	1929	1932	rVB	28657	27845	2.08%	0.190%
61	13.748	1937	1940	1942	rBV2	30503	33507	2.50%	0.229%
62	13.777	1942	1945	1949	rVB	88325	81461	6.08%	0.556%
63	13.889	1961	1964	1966	rBV2	102153	87790	6.55%	0.599%
64	13.912	1966	1968	1971	rVV	98028	77925	5.81%	0.532%
65	13.942	1971	1973	1978	rVV2	95976	114567	8.55%	0.782%
66	13.989	1978	1981	1984	rVB	90171	80348	5.99%	0.549%
67	14.060	1988	1993	1996	rBV	44837	72981	5.44%	0.498%
68	14.142	2000	2007	2010	rBV2	850173	1340745	100.00%	9.154%
69	14.171	2010	2012	2015	rVB	580626	452419	33.74%	3.089%
70	14.254	2023	2026	2028	rBV	145520	124593	9.29%	0.851%
71	14.295	2031	2033	2035	rBV2	30135	27582	2.06%	0.188%

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Misc :
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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72	14.501	2065	2068	2070	rBV	49947	55438	4.13%	0.379%
73	14.536	2070	2074	2077	rVV	107606	132538	9.89%	0.905%
74	14.571	2078	2080	2084	rVV	44701	49587	3.70%	0.339%
75	14.871	2128	2131	2134	rBV3	35676	49666	3.70%	0.339%
76	15.059	2160	2163	2170	rBV	56776	84691	6.32%	0.578%
77	15.230	2188	2192	2195	rBV	390973	595537	44.42%	4.066%
78	15.348	2208	2212	2216	rBV	97443	110783	8.26%	0.756%
79	15.554	2244	2247	2254	rVB	231995	312376	23.30%	2.133%
80	15.624	2254	2259	2264	rBV	359424	446875	33.33%	3.051%
81	15.689	2266	2270	2273	rVV	315847	417279	31.12%	2.849%
82	15.724	2273	2276	2283	rVB	107071	150689	11.24%	1.029%
83	17.265	2533	2538	2546	rVB2	131244	273369	20.39%	1.866%
84	17.747	2615	2620	2633	rVB	106395	243310	18.15%	1.661%

Sum of corrected areas: 14646615

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
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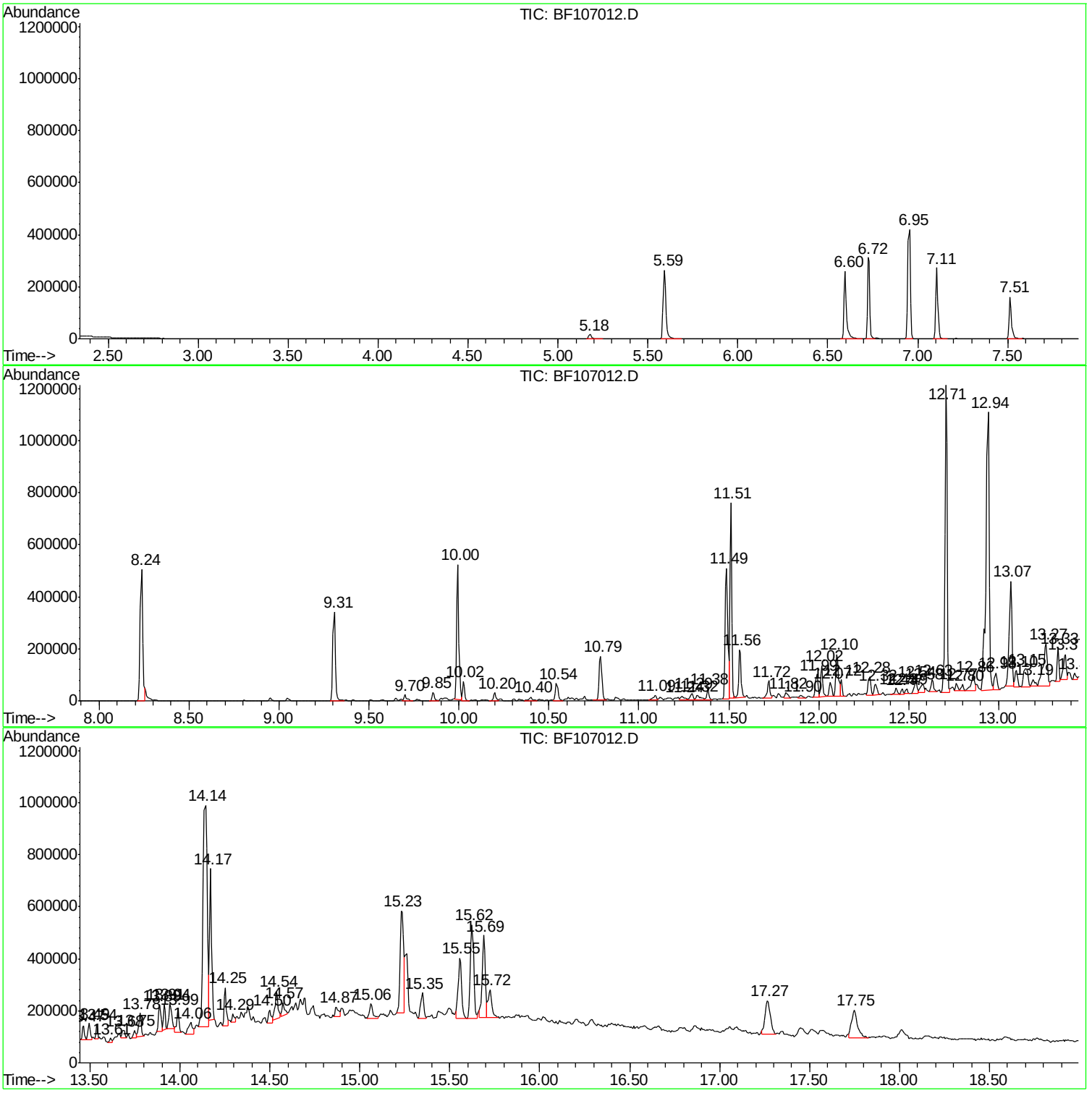
Sample : J3600-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
Data File : BF107012.D
Acq On : 30 Jun 2018 14:09
Operator : JU/SJ
Sample : J3600-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

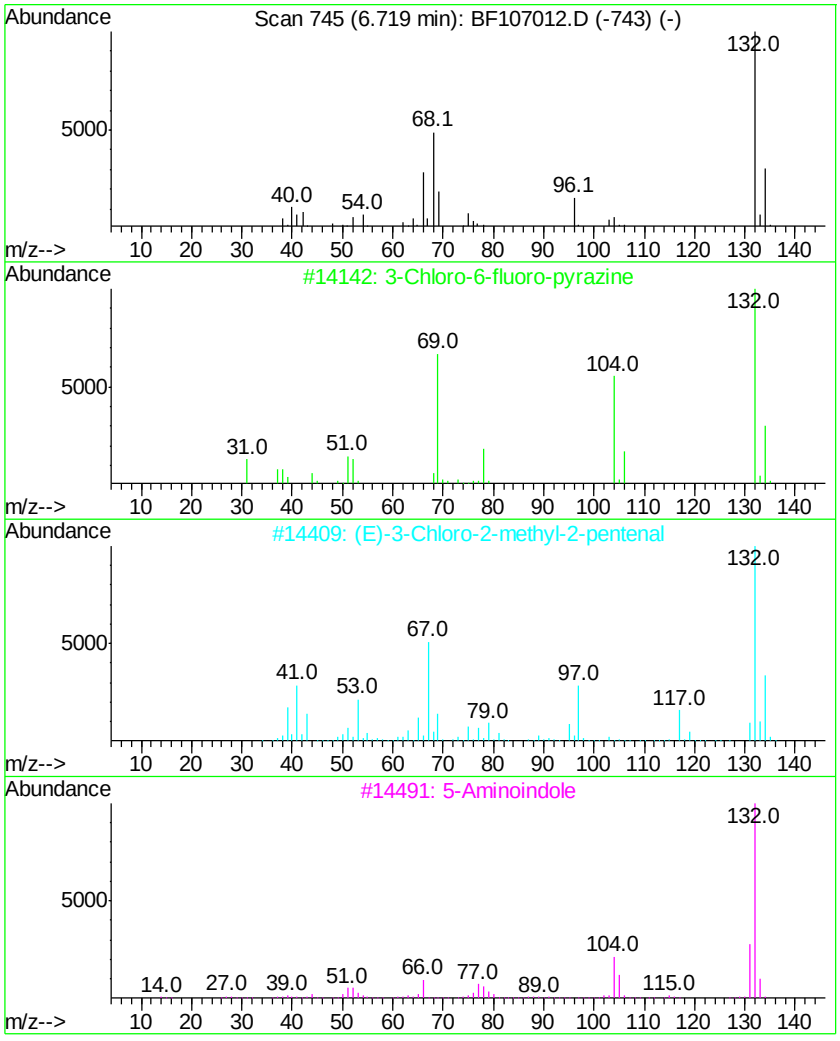
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

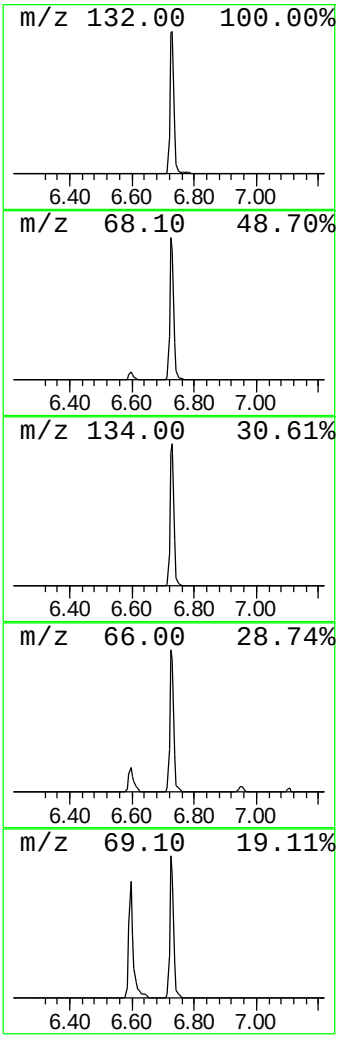
****

Peak Number 1 unknown6.72 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	15.32 ng	286659	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1-Aminoindan	133	C9H11N	034698-41-4	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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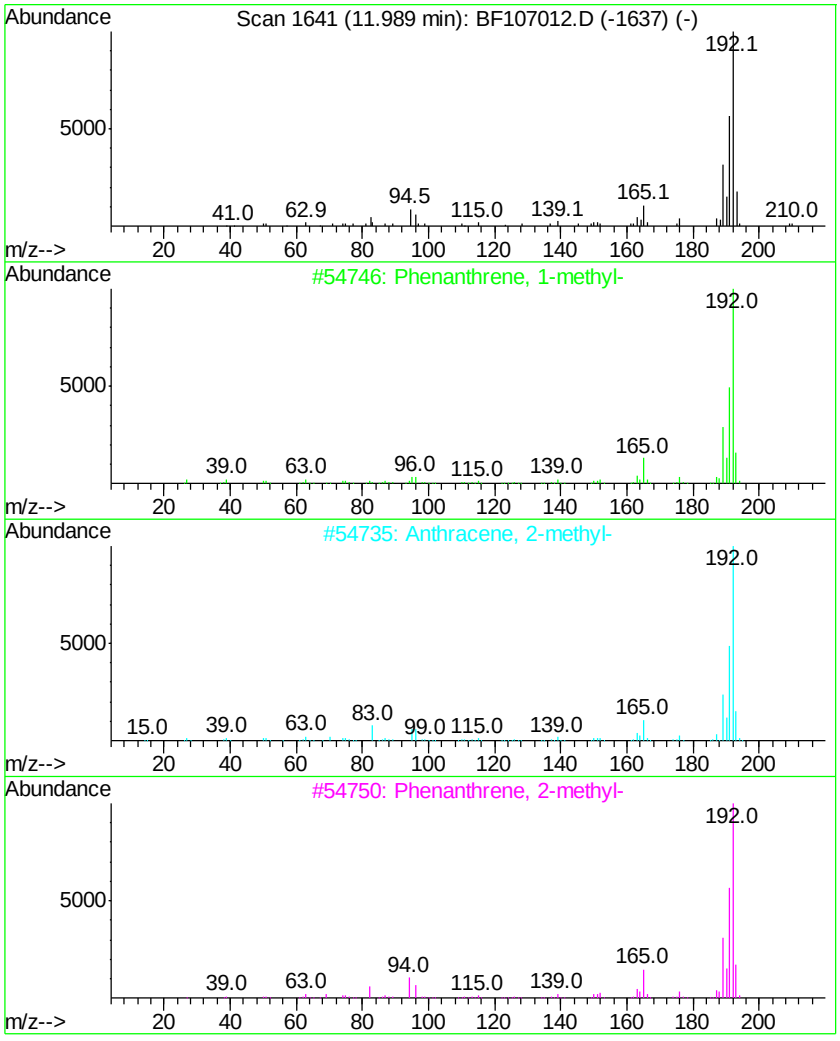
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

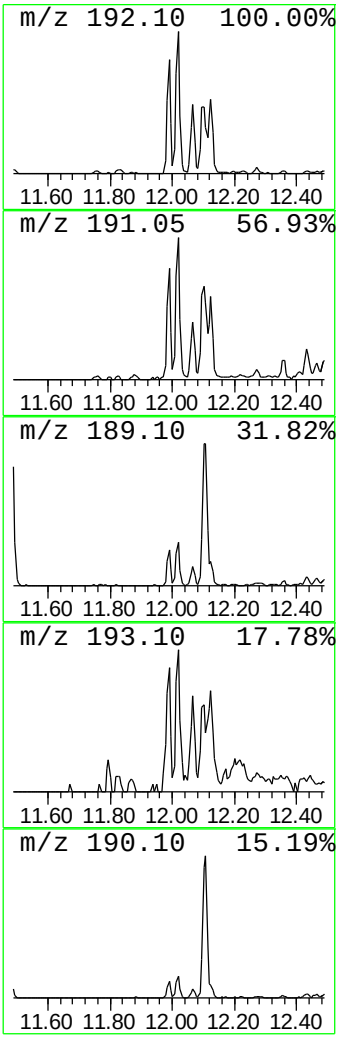
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.03 ng	75932	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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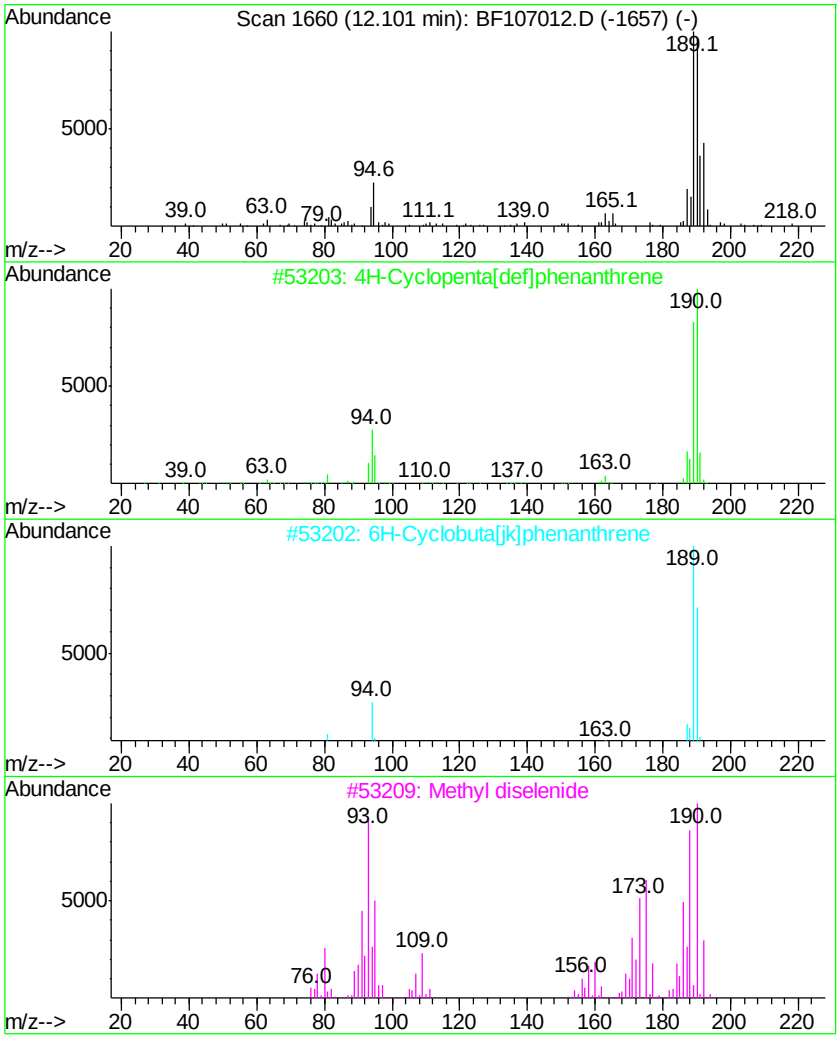
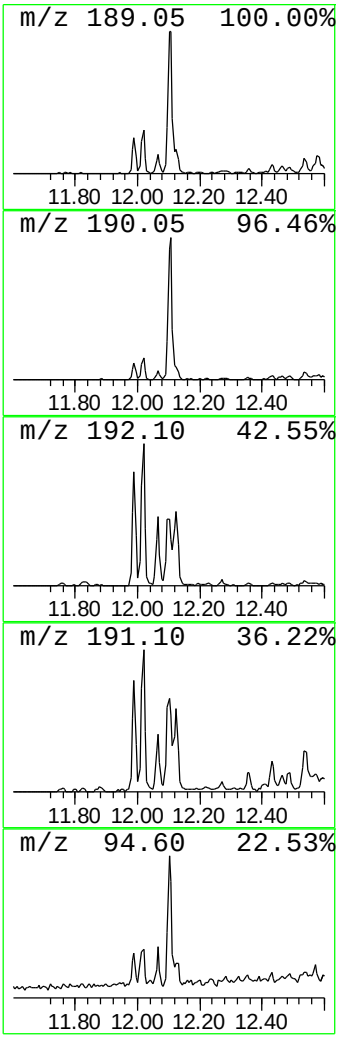
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	7.37 ng	184482	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Carbonic acid, isobutyl 2-formyl...	290	C12H12Cl2O4	1000331-40-8	23





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TIC Library : C:\DATABASE\NIST11.L
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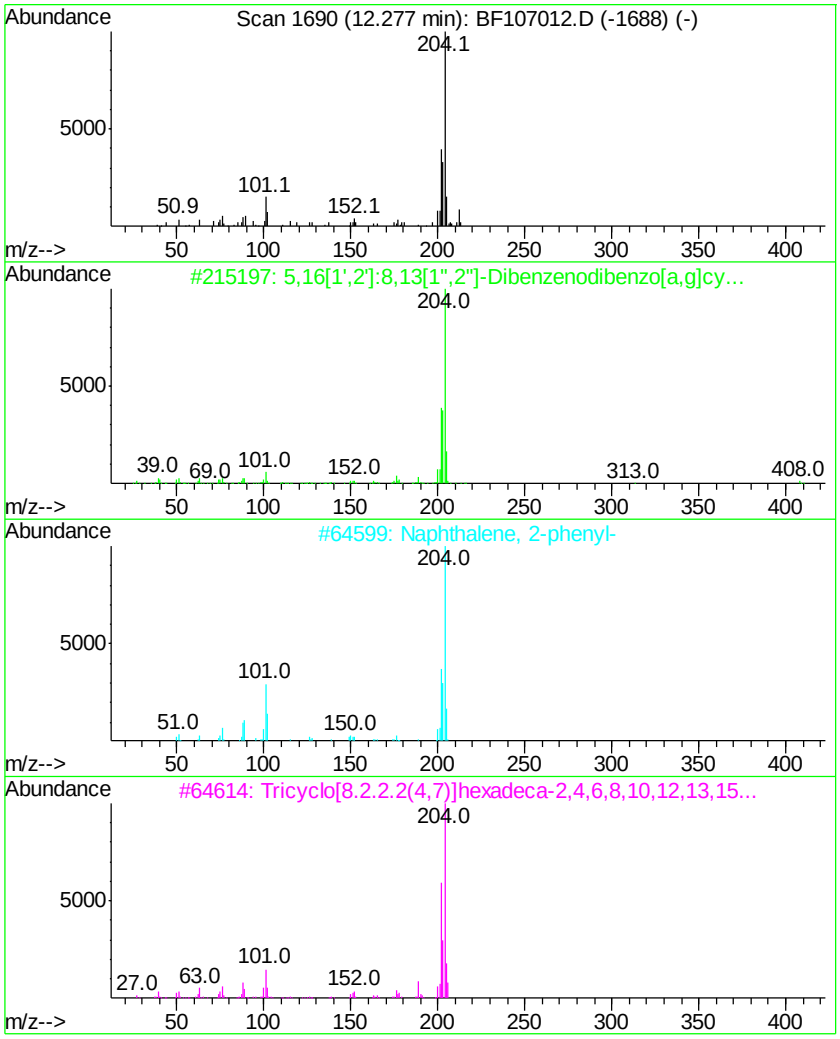
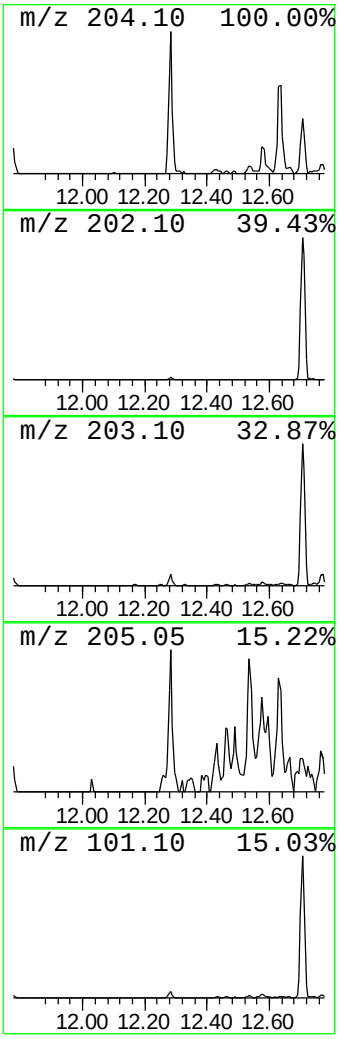
Peak Number 6 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.53 ng	63415	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	49
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47





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Misc :
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
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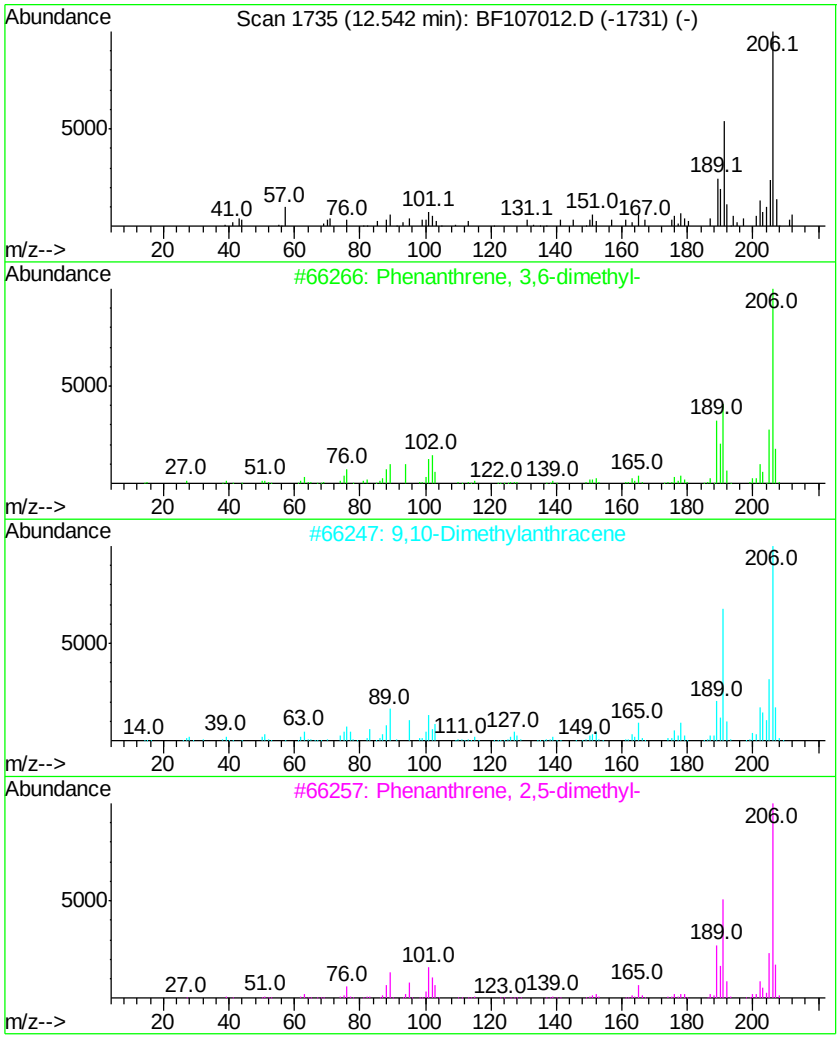
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

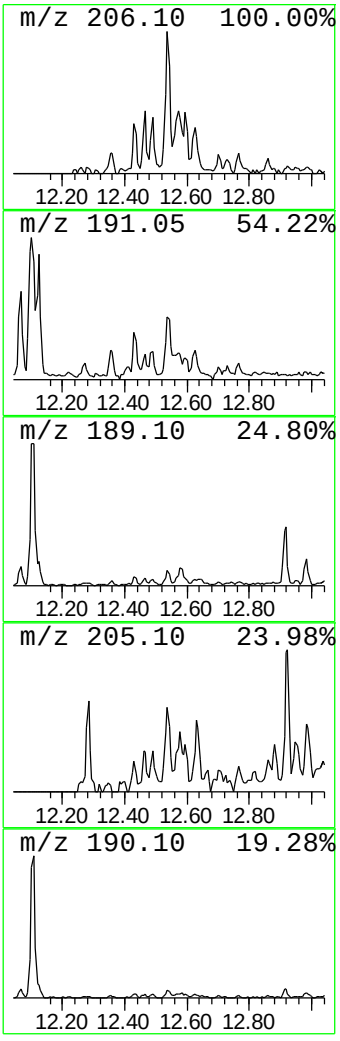
****

Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	2.10 ng	52547	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Misc :
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Instrument : BNA_F
ClientSampleId : DOCUMENTATION-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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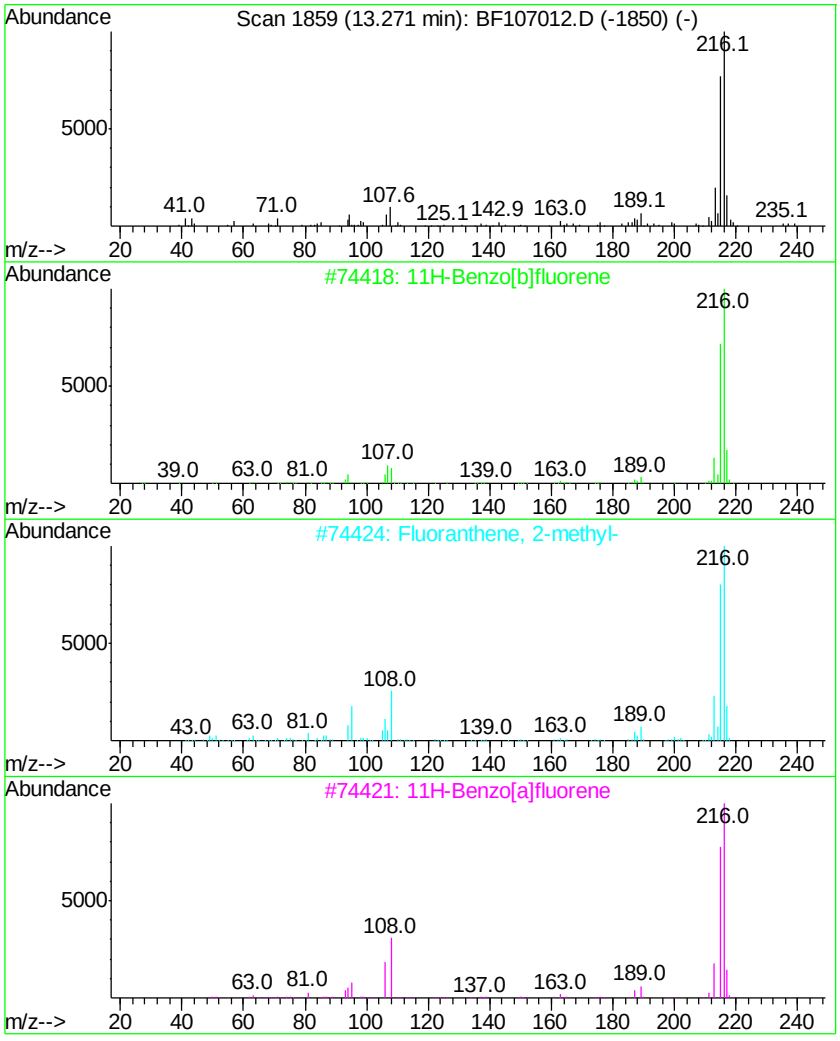
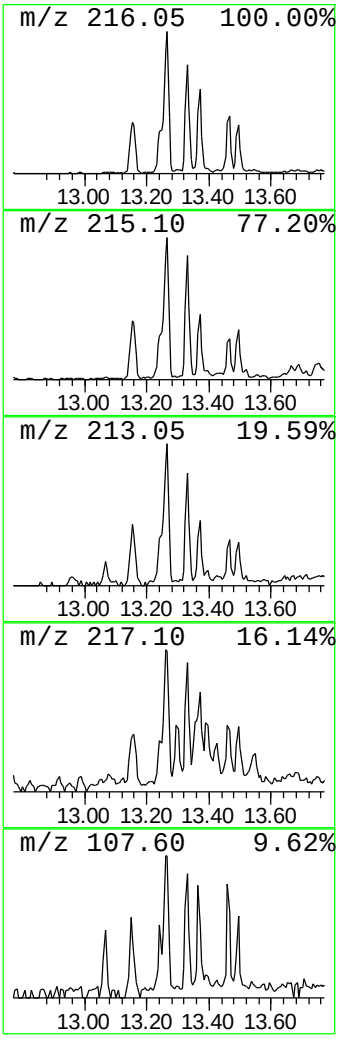
Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.90 ng	261540	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
Data File : BF107012.D
Acq On : 30 Jun 2018 14:09
Operator : JU/SJ
Sample : J3600-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

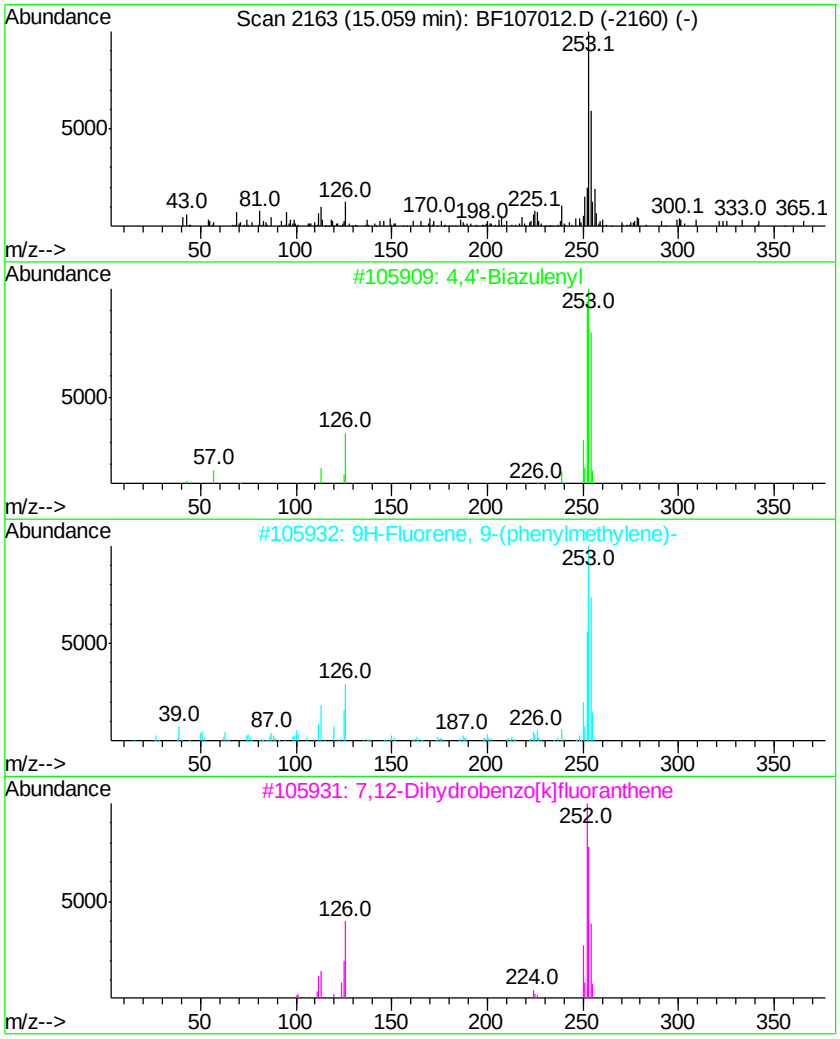
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

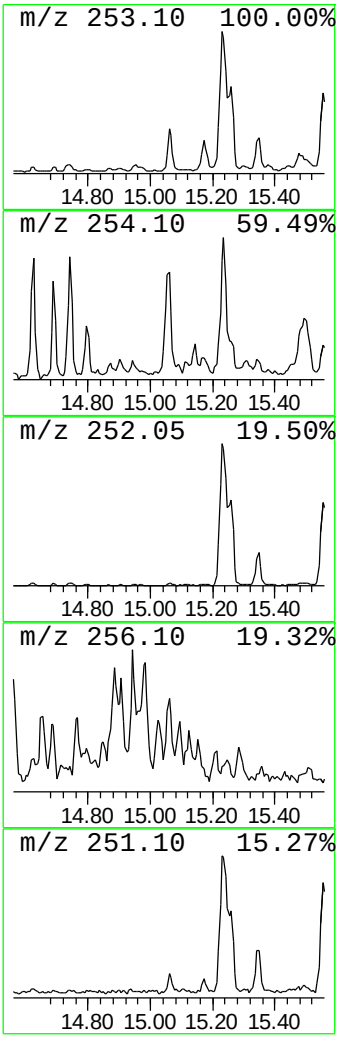
****

Peak Number 9 4,4'-Biazulenyl Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	4.06 ng	84691	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Biazulenyl	254	C20H14	094053-54-0	58
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	52
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	50
4	2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	49
5	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
Data File : BF107012.D
Acq On : 30 Jun 2018 14:09
Operator : JU/SJ
Sample : J3600-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

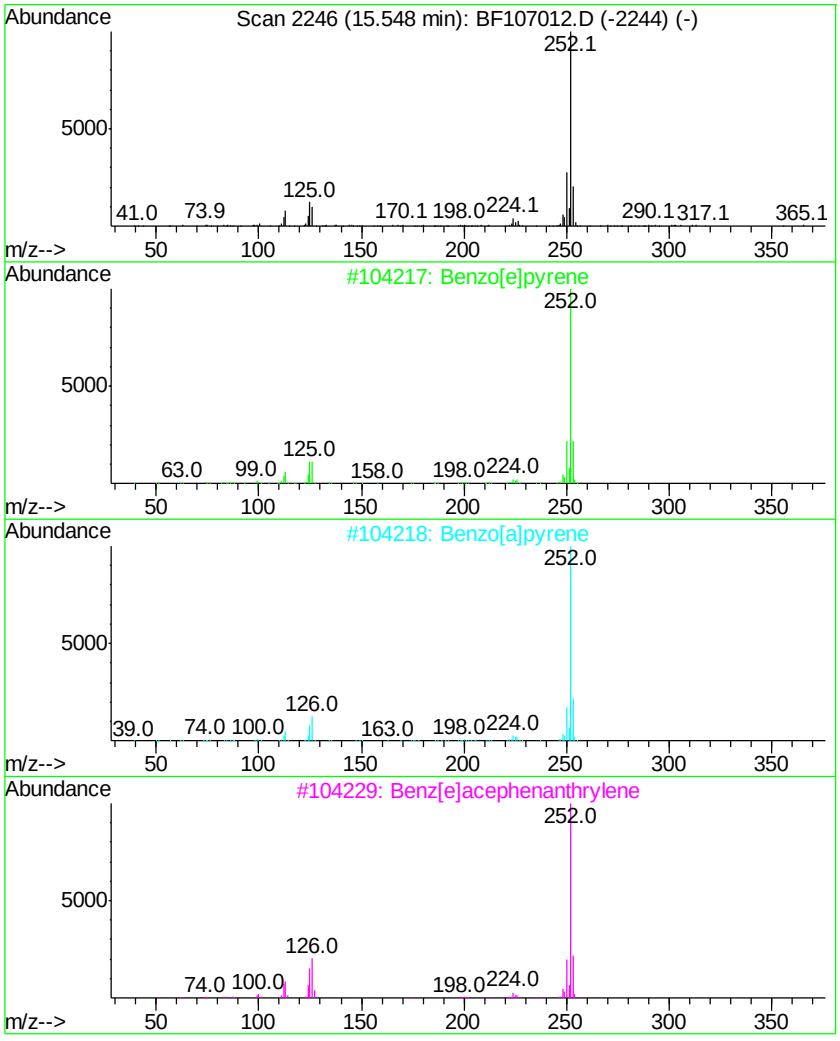
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

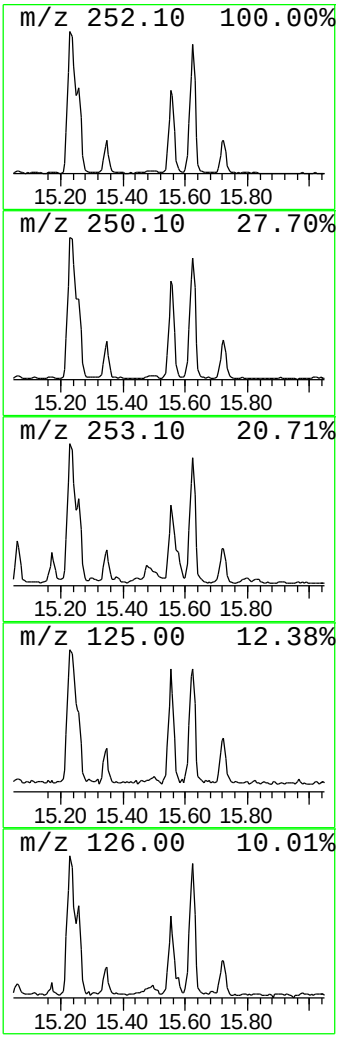
****

Peak Number 11 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	14.97 ng	312376	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Perylene	252	C20H12	000198-55-0	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF063018\
Data File : BF107012.D
Acq On : 30 Jun 2018 14:09
Operator : JU/SJ
Sample : J3600-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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
unknown6.72	6.72	15.3	ng	286659	1	6.95	374221	20.0
Phenanthrene, 1-m...	11.99	3.0	ng	75932	4	11.49	500494	20.0
4H-Cyclopenta[def...	12.10	7.4	ng	184482	4	11.49	500494	20.0
5,16[1',2']:8,13[...	12.28	2.5	ng	63415	4	11.49	500494	20.0
Phenanthrene, 3,6...	12.54	2.1	ng	52547	4	11.49	500494	20.0
11H-Benzo[b]fluorene	13.27	3.9	ng	261540	5	14.15	1340750	20.0
4,4'-Biazulenyl	15.06	4.1	ng	84691	6	15.69	417279	20.0
Benzo[e]pyrene	15.55	15.0	ng	312376	6	15.69	417279	20.0