LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107218.D
Acq On : 7 Jul 2018 20:25
Operator : JU/SJ
Sample : J3879-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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	5.190	481	485	497	rVB	133131	164698	12.55%	0.930%
2	5.596	550	554	568	rBV	1186258	1152071	87.79%	6.508%
3	6.601	720	725	739	rBV	1116945	1202513	91.64%	6.792%
4	6.731	743	747	750	rVV	1226379	1150101	87.64%	6.496%
5	6.766	750	753	761	rVB2	21032	37711	2.87%	0.213%
6	6.948	780	784	788	rBV	389728	320445	24.42%	1.810%
7	7.107	807	811	814	rBV	1024204	908496	69.23%	5.132%
8	7.519	876	881	890	rBV	659756	694327	52.91%	3.922%
9	8.231	998	1002	1012	rBV	371045	396931	30.25%	2.242%
10	8.948	1120	1124	1129	rBV	31703	28451	2.17%	0.161%
11	9.048	1137	1141	1145	rBV	17435	17488	1.33%	0.099%
12	9.307	1180	1185	1188	rBV	1353205	1213334	92.46%	6.854%
13	9.366	1192	1195	1199	rVV	19351	20510	1.56%	0.116%
14	9.407	1199	1202	1206	rVB	19880	16979	1.29%	0.096%
15	9.578	1226	1231	1234	rBV	11438	14280	1.09%	0.081%
16	9.648	1240	1243	1245	rBV	15865	14275	1.09%	0.081%
17	9.695	1245	1251	1257	rVB	293121	273341	20.83%	1.544%
18	9.854	1271	1278	1281	rBV	34436	32410	2.47%	0.183%
19	9.895	1281	1285	1288	rVB	21377	17468	1.33%	0.099%
20	9.995	1298	1302	1305	rBV	393153	366130	27.90%	2.068%
21	10.025	1305	1307	1312	rVB	41122	32471	2.47%	0.183%
22	10.201	1332	1337	1340	rBV2	25028	32191	2.45%	0.182%
23	10.395	1367	1370	1372	rBV2	29424	24143	1.84%	0.136%
24	10.542	1388	1395	1401	rVB2	42714	47221	3.60%	0.267%
25	10.613	1401	1407	1412	rBV4	14291	27364	2.09%	0.155%
26	10.695	1416	1421	1424	rVB3	15030	17882	1.36%	0.101%
27	10.789	1433	1437	1443	rBV	808578	745200	56.79%	4.209%
28	10.878	1448	1452	1455	rBV2	28177	38872	2.96%	0.220%
29	11.072	1482	1485	1487	rBV3	12195	16590	1.26%	0.094%
30	11.219	1504	1510	1512	rBV4	12502	20132	1.53%	0.114%
31	11.295	1520	1523	1525	rBV	23367	20989	1.60%	0.119%
32	11.319	1525	1527	1530	rVV3	25470	32507	2.48%	0.184%
33	11.348	1530	1532	1536	rVV	21179	20987	1.60%	0.119%
34	11.383	1536	1538	1542	rVB	25873	21507	1.64%	0.121%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3879-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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	11.489	1552	1556	1558	rBV	464952	415938	31.70%	2.349%
36	11.513	1558	1560	1563	rVV	511582	387644	29.54%	2.190%
37	11.566	1566	1569	1573	rBV	159025	142621	10.87%	0.806%
38	11.725	1593	1596	1598	rBV	33542	29604	2.26%	0.167%
39	11.748	1598	1600	1603	rVB	26002	21552	1.64%	0.122%
40	11.825	1610	1613	1619	rVB3	19334	23390	1.78%	0.132%
41	11.913	1619	1628	1630	rBV9	13089	29649	2.26%	0.167%
42	11.989	1638	1641	1643	rBV	72114	60727	4.63%	0.343%
43	12.019	1643	1646	1649	rVV	95546	82351	6.28%	0.465%
44	12.066	1651	1654	1657	rVB	44226	40381	3.08%	0.228%
45	12.107	1657	1661	1663	rBV2	129478	143585	10.94%	0.811%
46	12.154	1667	1669	1671	rBV	24080	19898	1.52%	0.112%
47	12.283	1688	1691	1694	rBV	74196	66467	5.07%	0.375%
48	12.324	1695	1698	1701	rVB2	37296	32661	2.49%	0.184%
49	12.430	1714	1716	1719	rVB2	24447	22129	1.69%	0.125%
50	12.466	1720	1722	1724	rBV	23507	14704	1.12%	0.083%
51	12.489	1724	1726	1730	rVB2	23593	20487	1.56%	0.116%
52	12.542	1731	1735	1738	rBV2	72638	77749	5.92%	0.439%
53	12.642	1747	1752	1755	rBV2	48067	75423	5.75%	0.426%
54	12.713	1760	1764	1767	rVV	1001840	902930	68.81%	5.100%
55	12.772	1771	1774	1777	rVV2	16340	17675	1.35%	0.100%
56	12.860	1787	1789	1791	rBV2	30988	25308	1.93%	0.143%
57	12.919	1796	1799	1801	rBV2	196856	230591	17.57%	1.303%
58	12.942	1801	1803	1808	rVB	798257	750038	57.16%	4.237%
59	12.989	1808	1811	1816	rVB	48411	49889	3.80%	0.282%
60	13.072	1820	1825	1828	rVV	1381548	1312239	100.00%	7.412%
61	13.107	1828	1831	1835	rVB	43508	50479	3.85%	0.285%
62	13.160	1835	1840	1844	rBV2	56586	112742	8.59%	0.637%
63	13.195	1844	1846	1850	rBV2	26952	34172	2.60%	0.193%
64	13.266	1851	1858	1861	rBV2	159862	229820	17.51%	1.298%
65	13.336	1867	1870	1872	rBV	103926	89233	6.80%	0.504%
66	13.371	1872	1876	1878	rBV2	62162	77779	5.93%	0.439%
67	13.466	1890	1892	1895	rBV	51434	50627	3.86%	0.286%
68	13.501	1895	1898	1900	rVV	46584	48118	3.67%	0.272%
69	13.613	1915	1917	1920	rBV	40812	40793	3.11%	0.230%
70	13.783	1943	1946	1949	rBV	59940	54527	4.16%	0.308%
71	13.895	1962	1965	1967	rBV	67243	66366	5.06%	0.375%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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

72	13.919	1967	1969	1971	rVB	70121	52195	3.98%	0.295%
73	13.948	1971	1974	1979	rBV3	139005	182875	13.94%	1.033%
74	13.995	1980	1982	1985	rVB	60280	47081	3.59%	0.266%
75	14.142	2002	2007	2010	rBV2	467655	717378	54.67%	4.052%
76	14.171	2010	2012	2016	rVB	379369	303265	23.11%	1.713%
77	14.254	2023	2026	2032	rBV2	91673	123279	9.39%	0.696%
78	14.571	2077	2080	2083	rBV	68064	75806	5.78%	0.428%
79	15.230	2188	2192	2200	rVB	268073	555391	42.32%	3.137%
80	15.554	2244	2247	2254	rVB	146089	169236	12.90%	0.956%
81	15.624	2255	2259	2265	rBV	202090	291880	22.24%	1.649%
82	15.689	2266	2270	2273	rBV	161752	194915	14.85%	1.101%

Sum of corrected areas: 17703602

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
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Sample : J3879-09
Misc :
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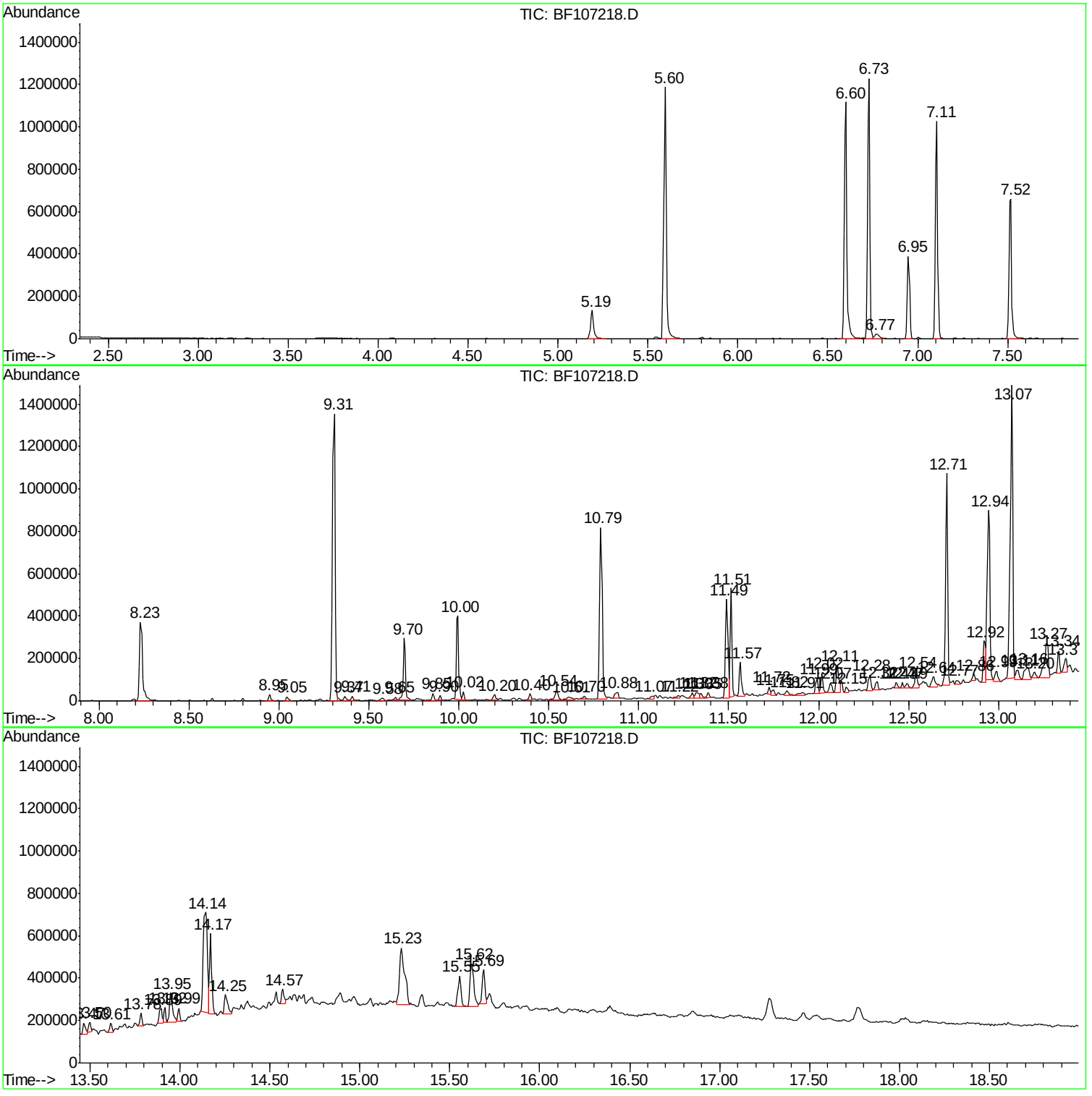
Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
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Sample : J3879-09
Misc :
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Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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

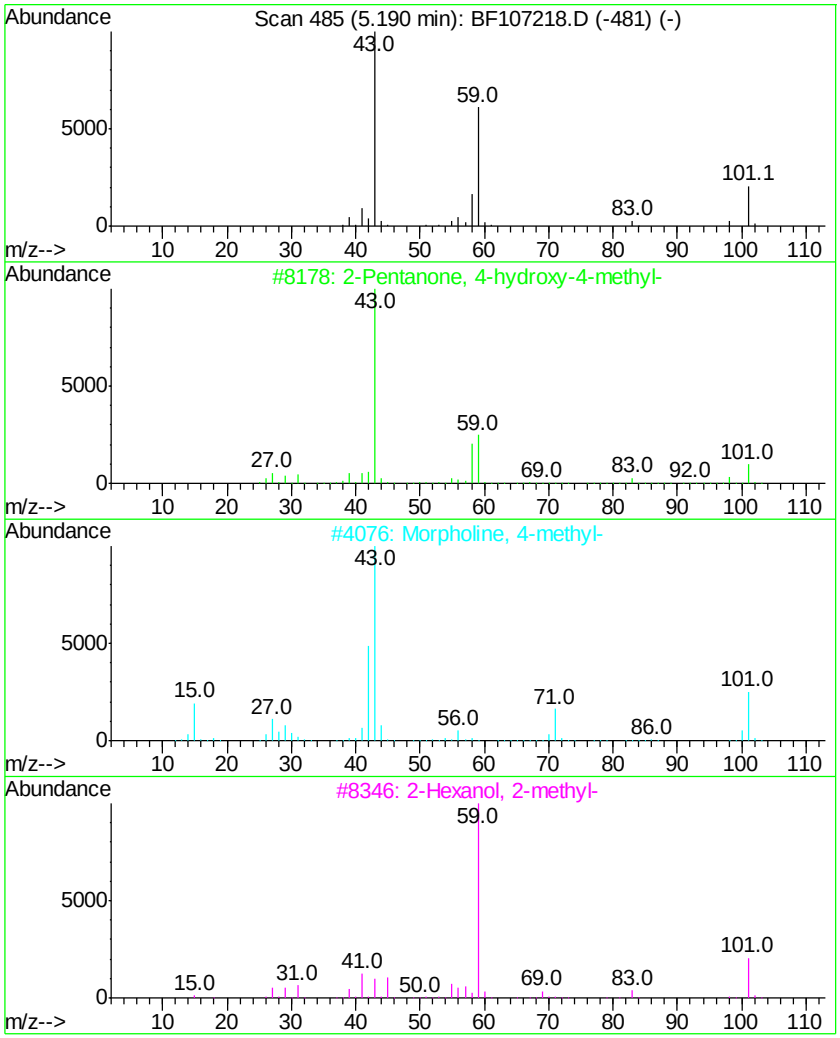
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

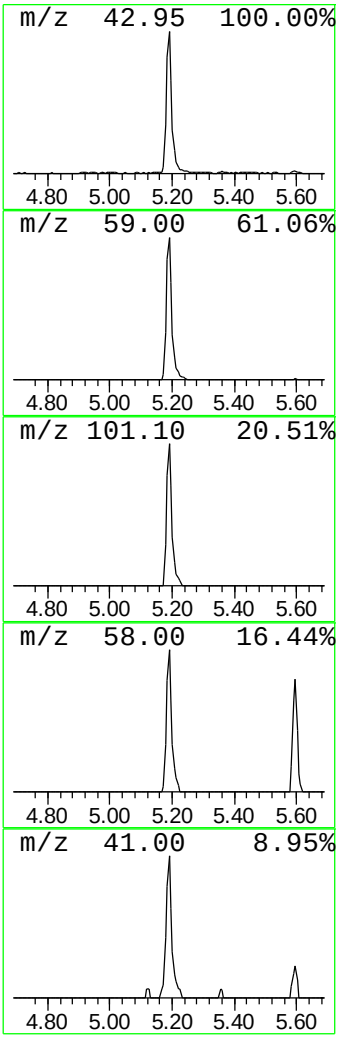
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	10.28 ng	164698	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
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Sample : J3879-09
Misc :
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Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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

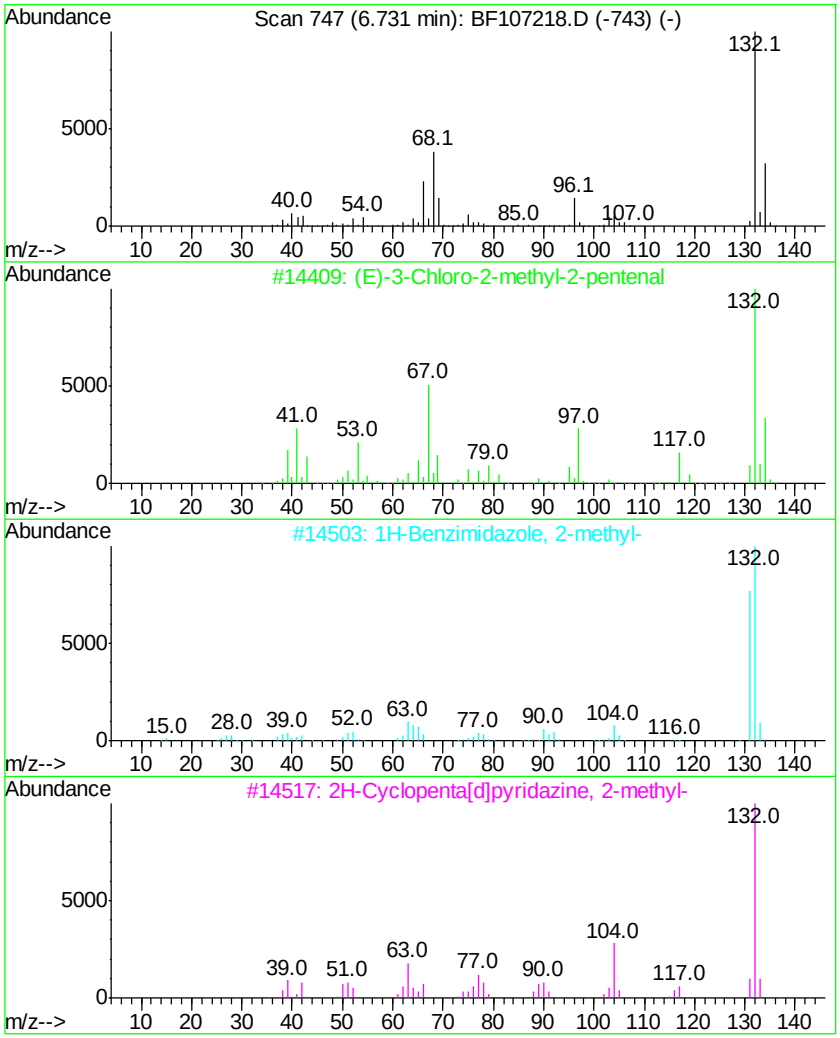
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

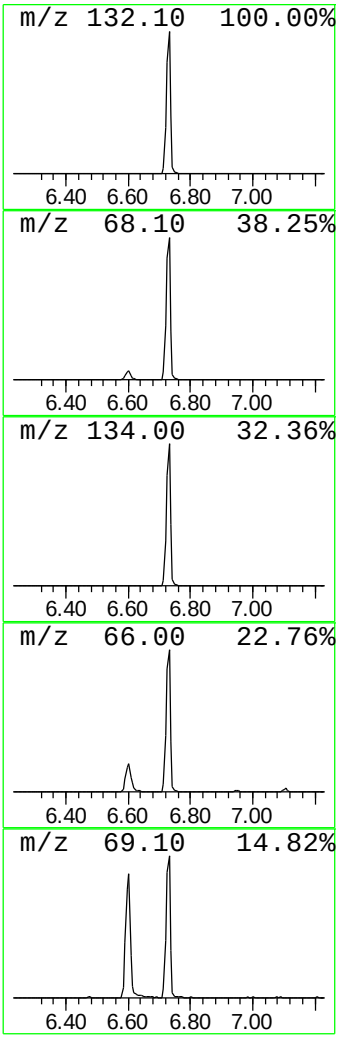
****

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	71.78 ng	1150100	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Library Search Compound Report

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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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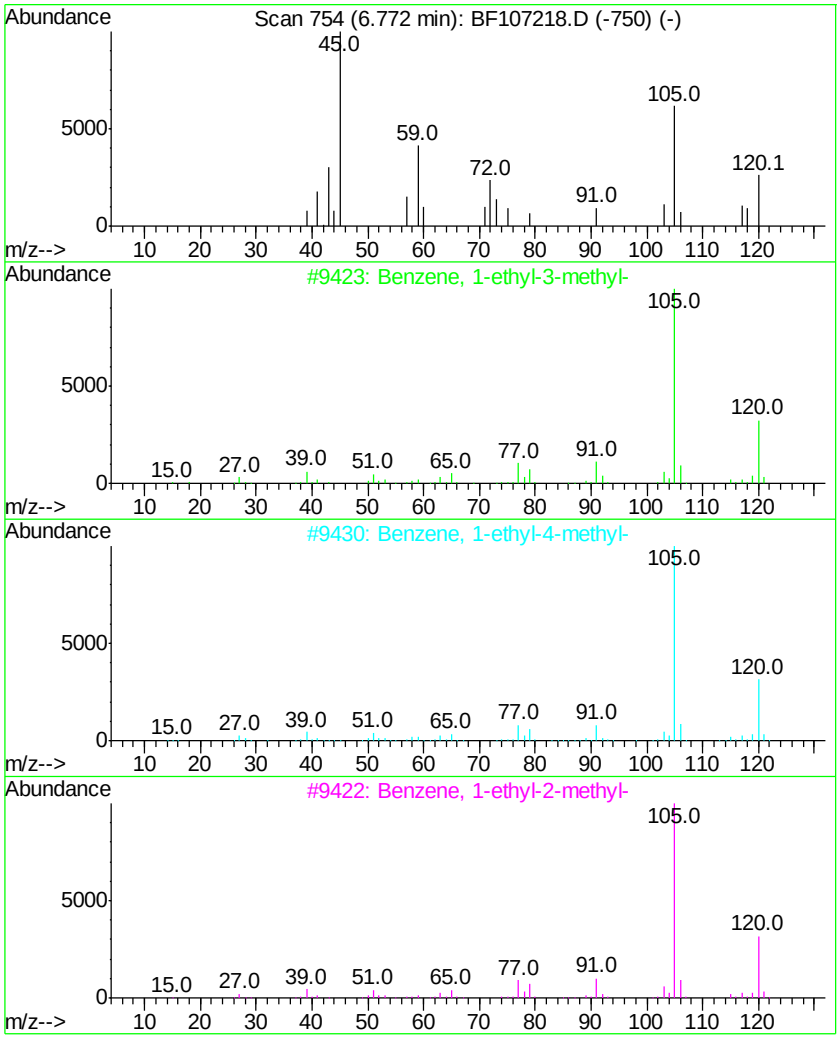
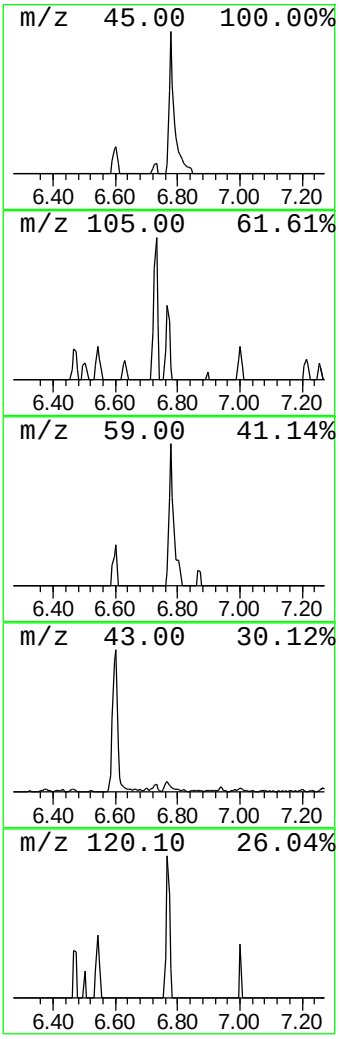
****

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	2.35 ng	37711	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	58
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	52
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	52
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	47
5	2,4-Nonadiyne	120	C9H12	063621-15-8	47





Library Search Compound Report

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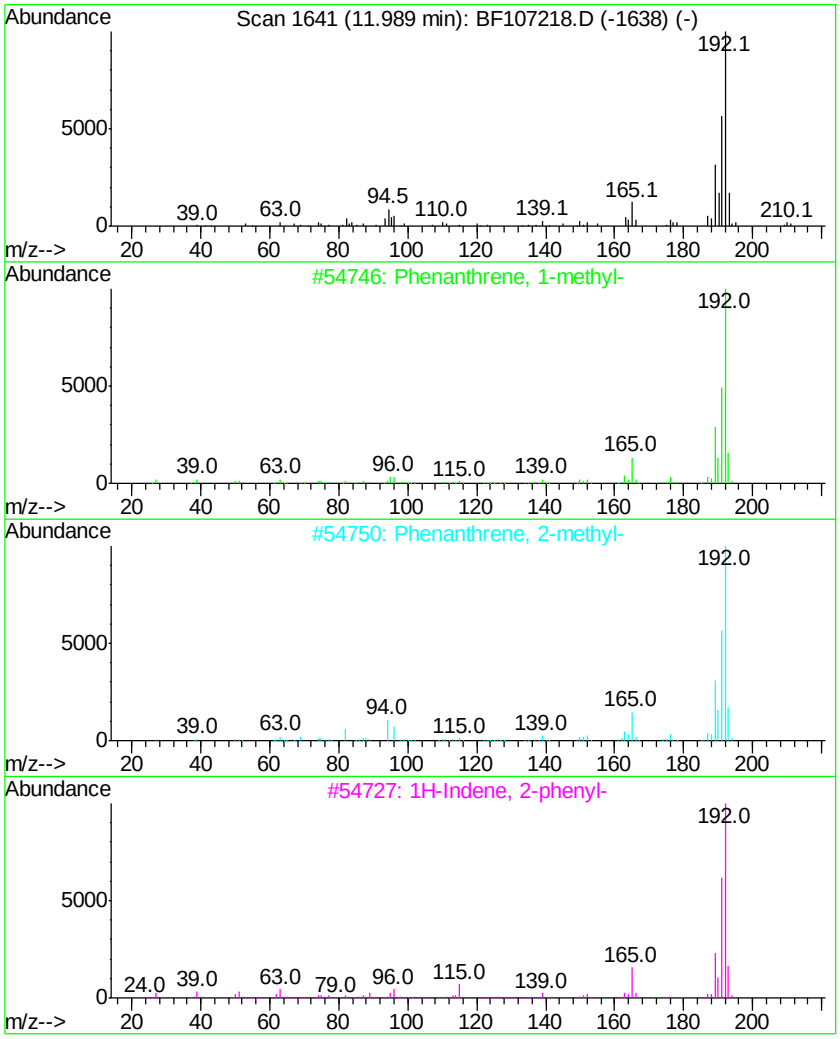
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

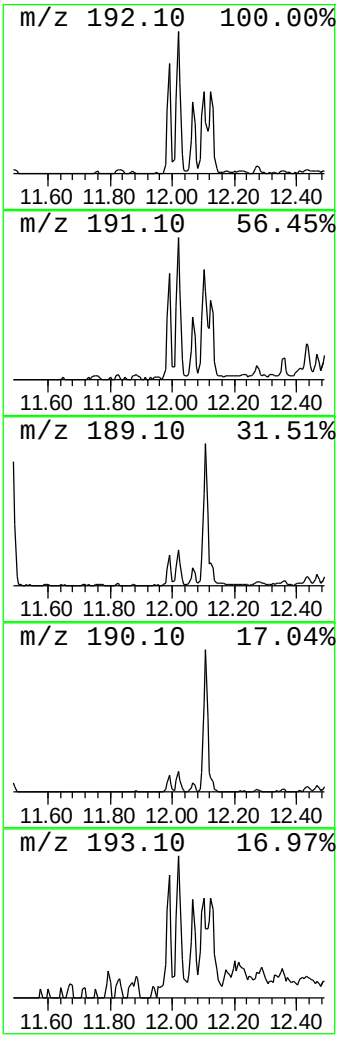
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.92 ng	60727	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Sample : J3879-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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

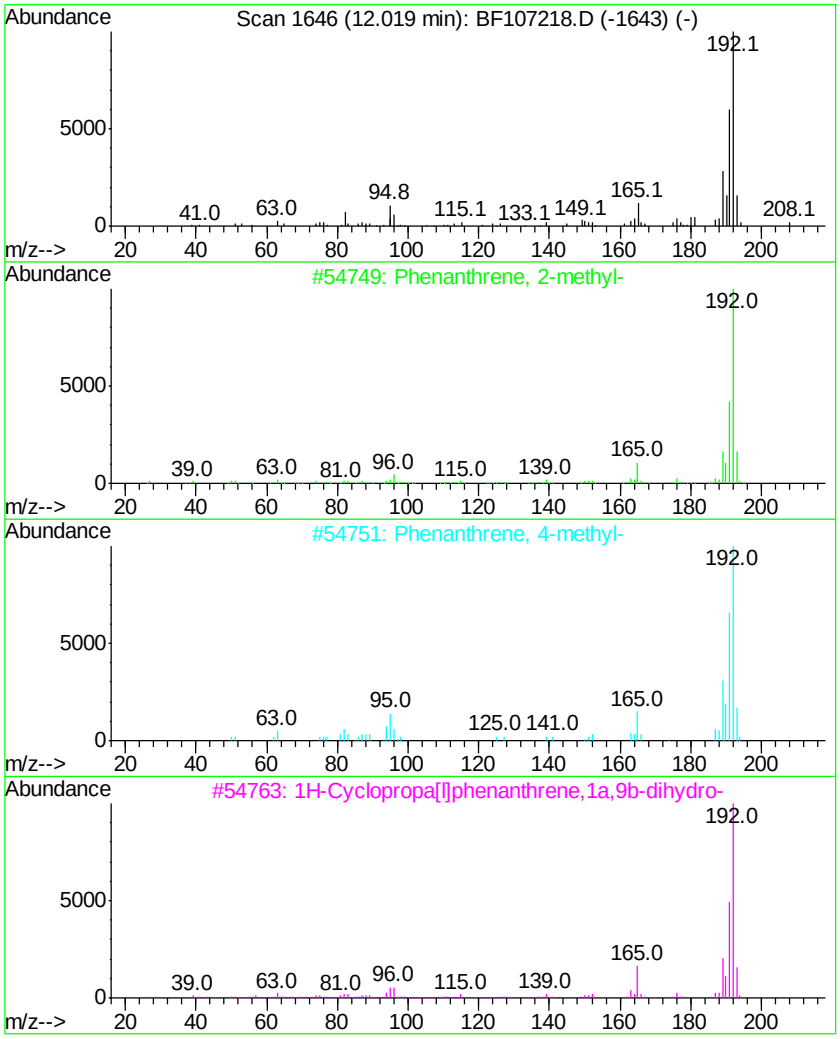
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

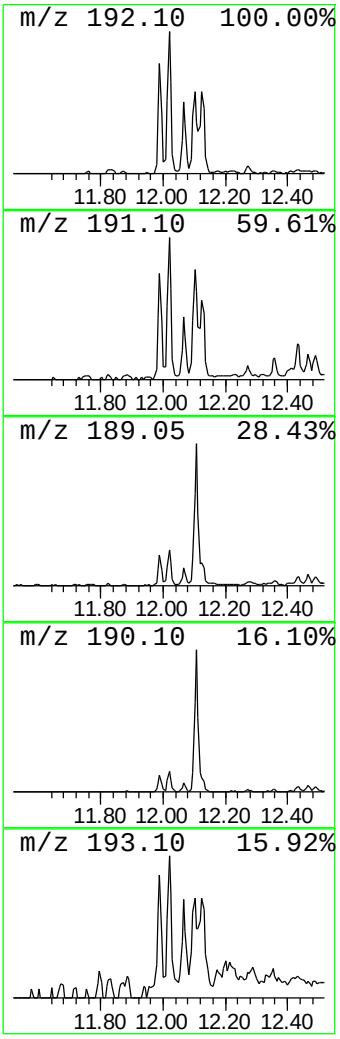
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.96 ng	82351	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Library Search Compound Report

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Data File : BF107218.D
Acq On : 7 Jul 2018 20:25
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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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

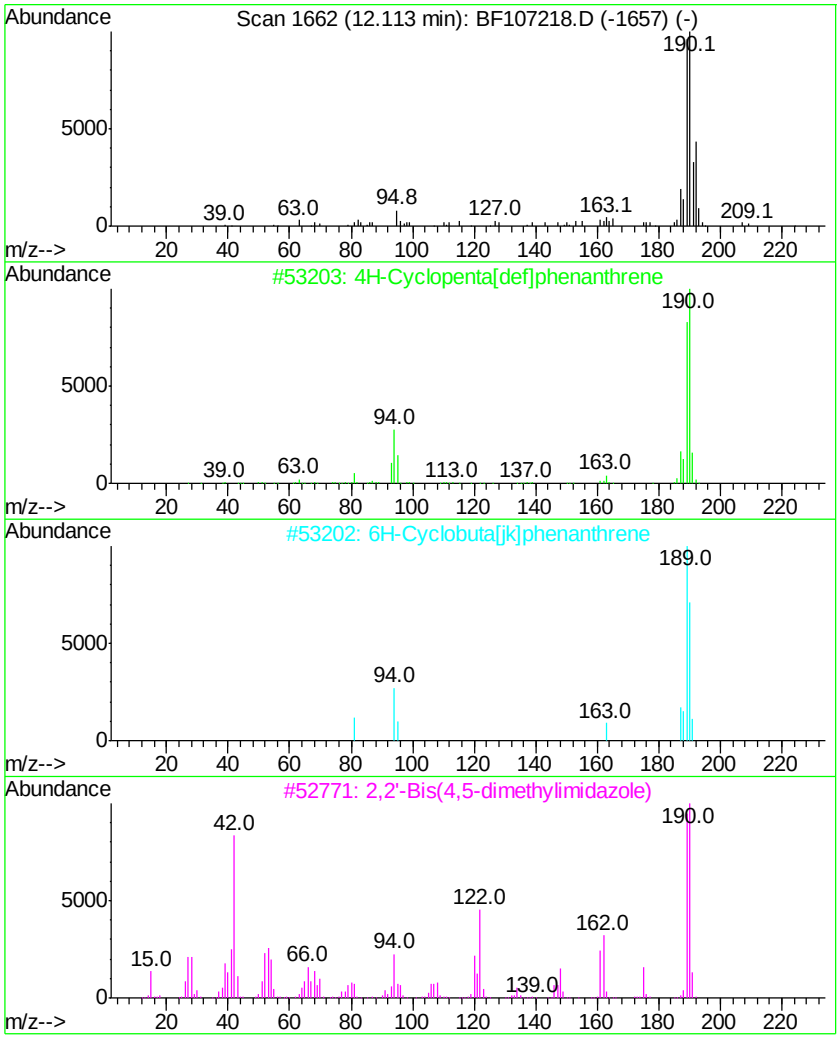
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

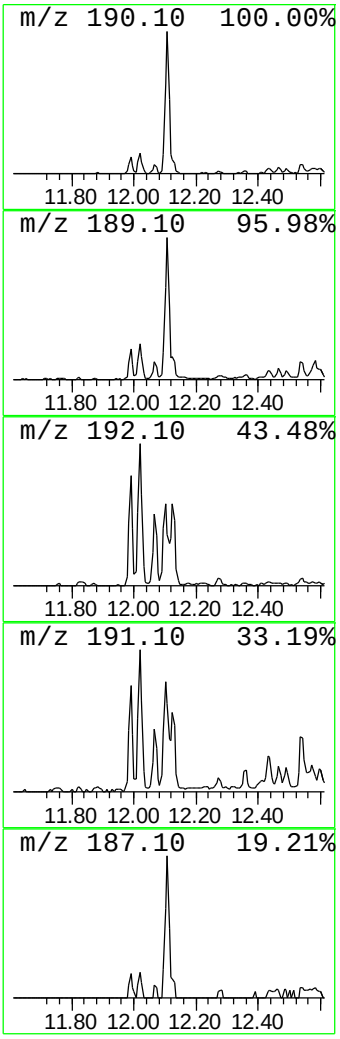
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	6.90 ng	143585	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Methyl diselenide	190	C2H6Se2	007101-31-7	35
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





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Data File : BF107218.D
Acq On : 7 Jul 2018 20:25
Operator : JU/SJ
Sample : J3879-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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

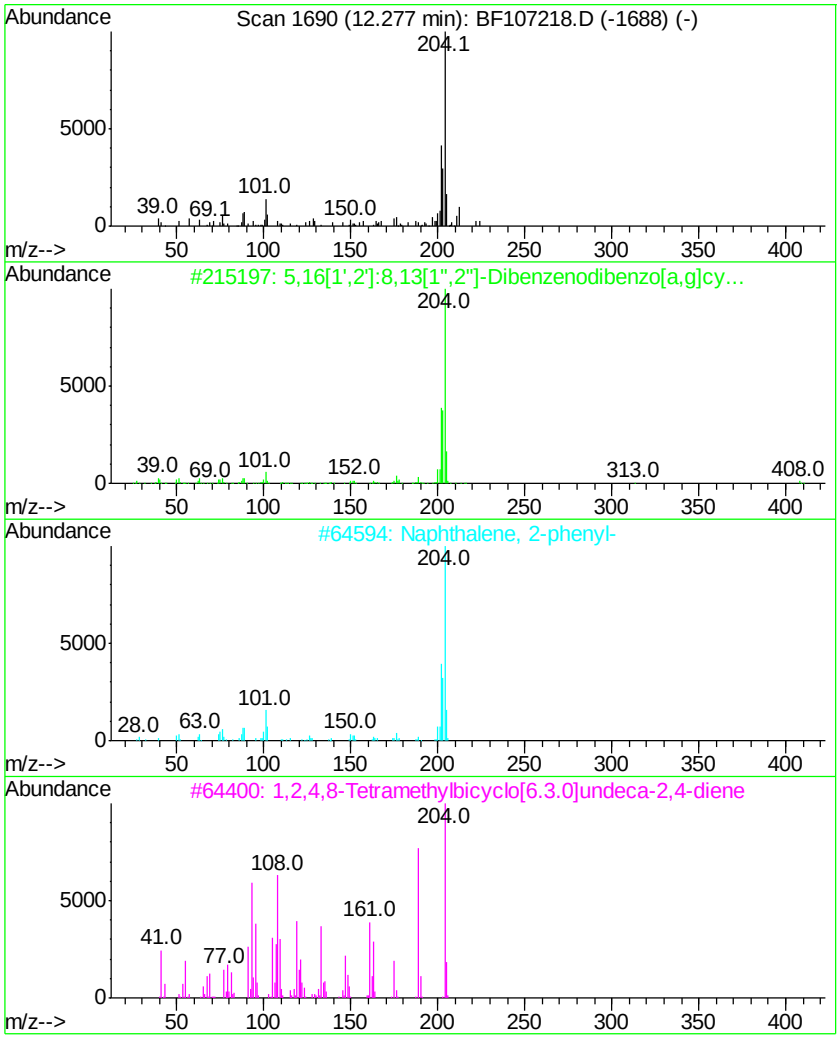
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

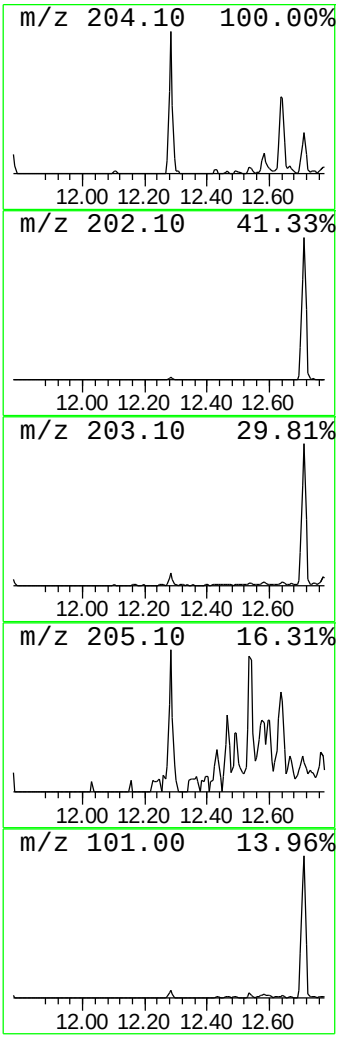
****

Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	3.20 ng	66467	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	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	55





Library Search Compound Report

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Sample : J3879-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

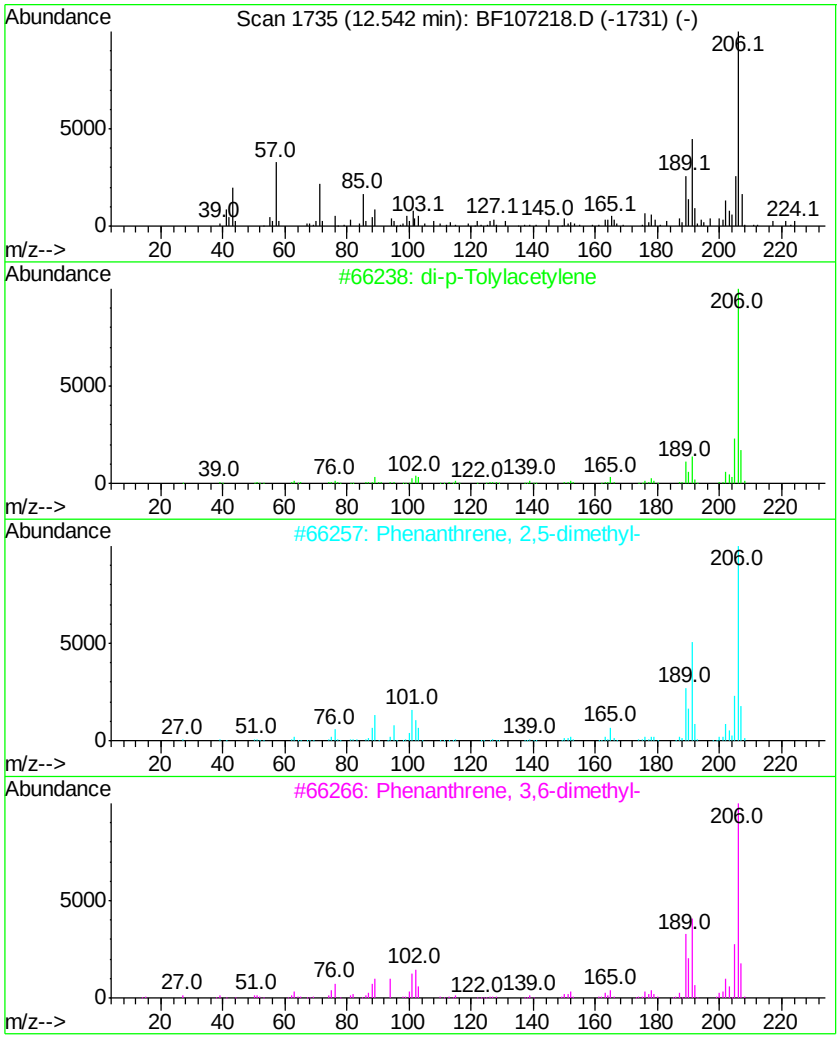
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

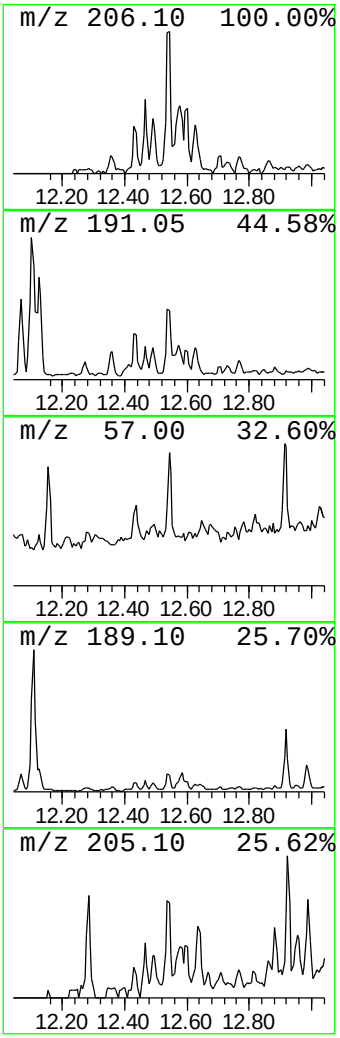
****

Peak Number 9 di-p-Tolylacetylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	3.74 ng	77749	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83





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Acq On : 7 Jul 2018 20:25
Operator : JU/SJ
Sample : J3879-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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

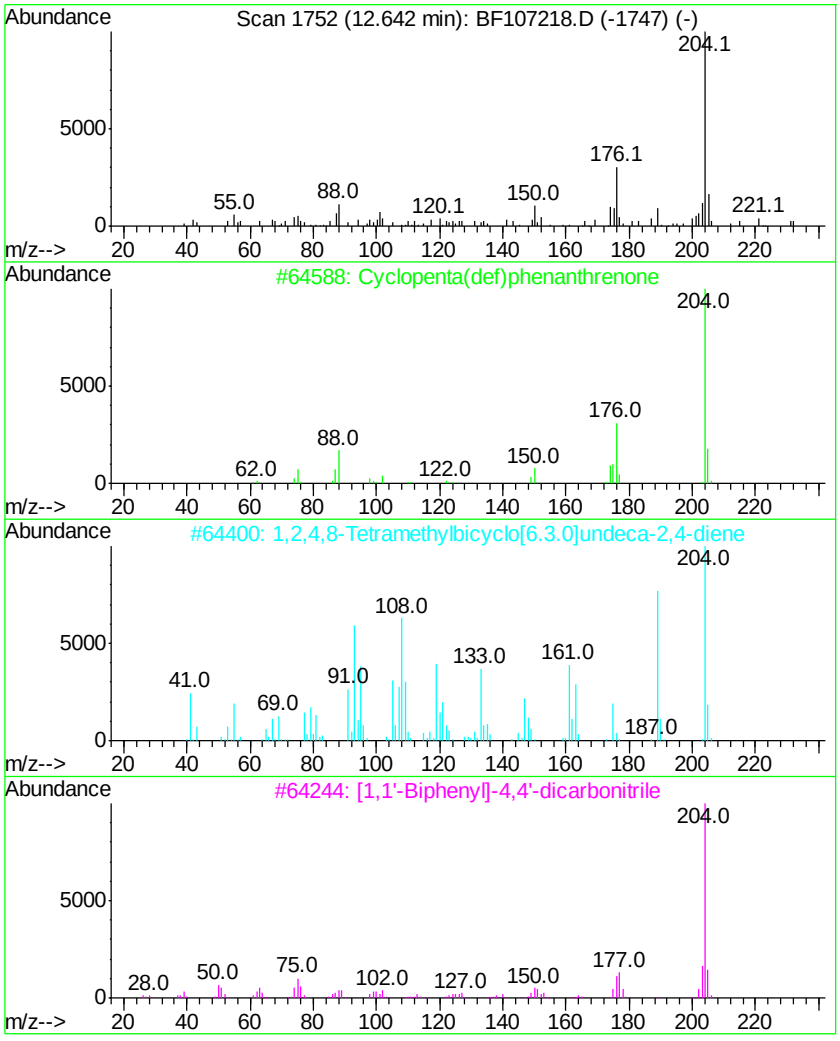
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

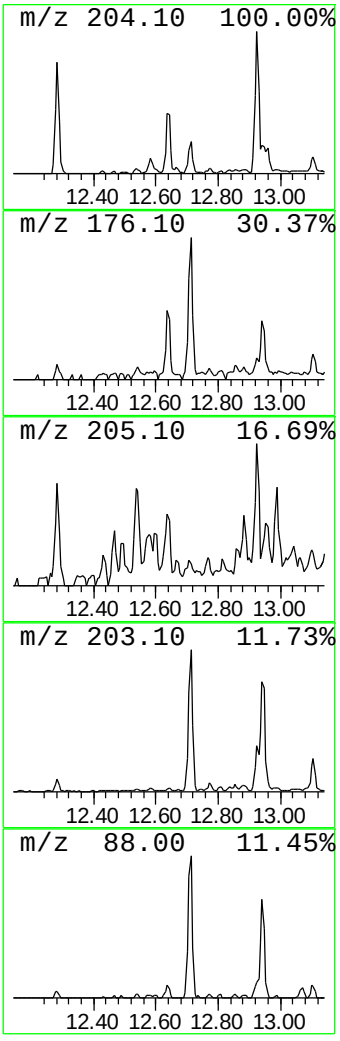
****

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	3.63 ng	75423	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53





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Acq On : 7 Jul 2018 20:25
Operator : JU/SJ
Sample : J3879-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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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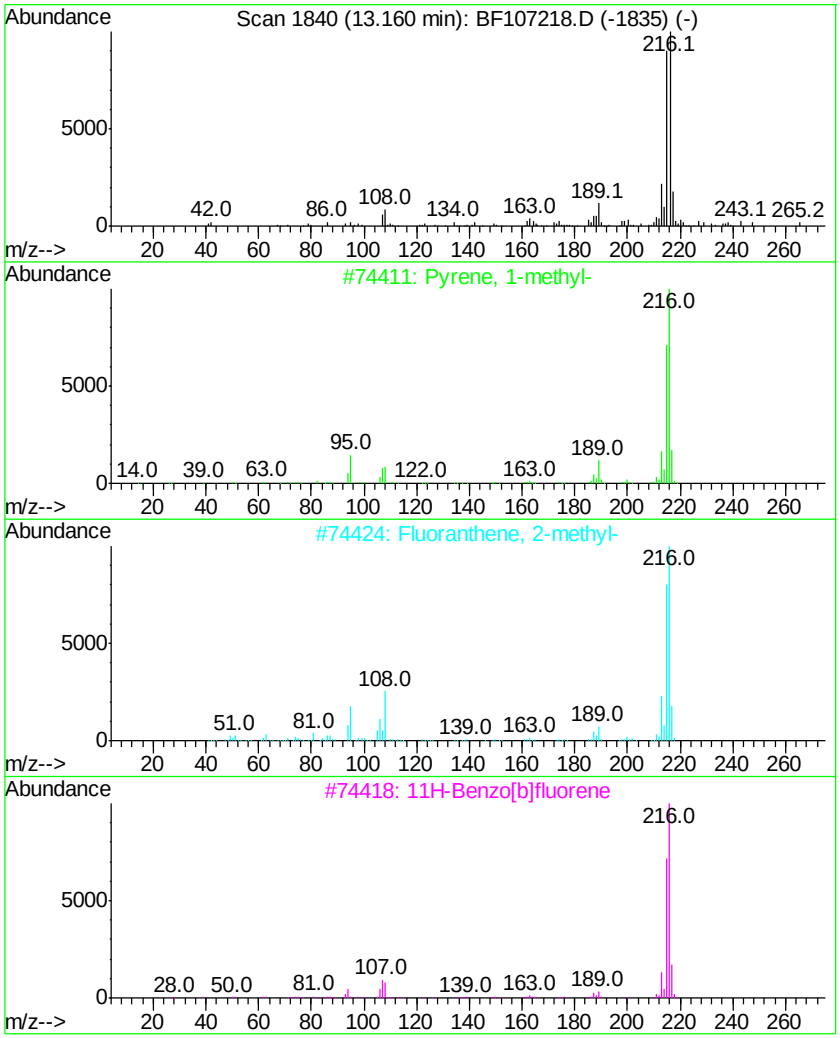
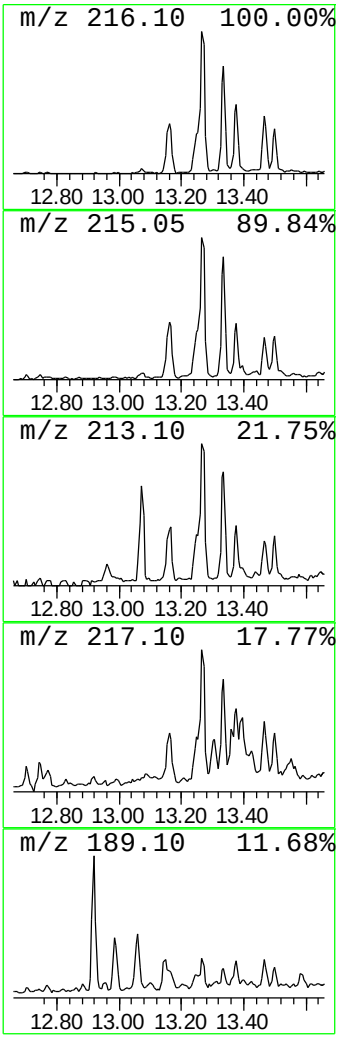
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.14 ng	112742	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Acq On : 7 Jul 2018 20:25
Operator : JU/SJ
Sample : J3879-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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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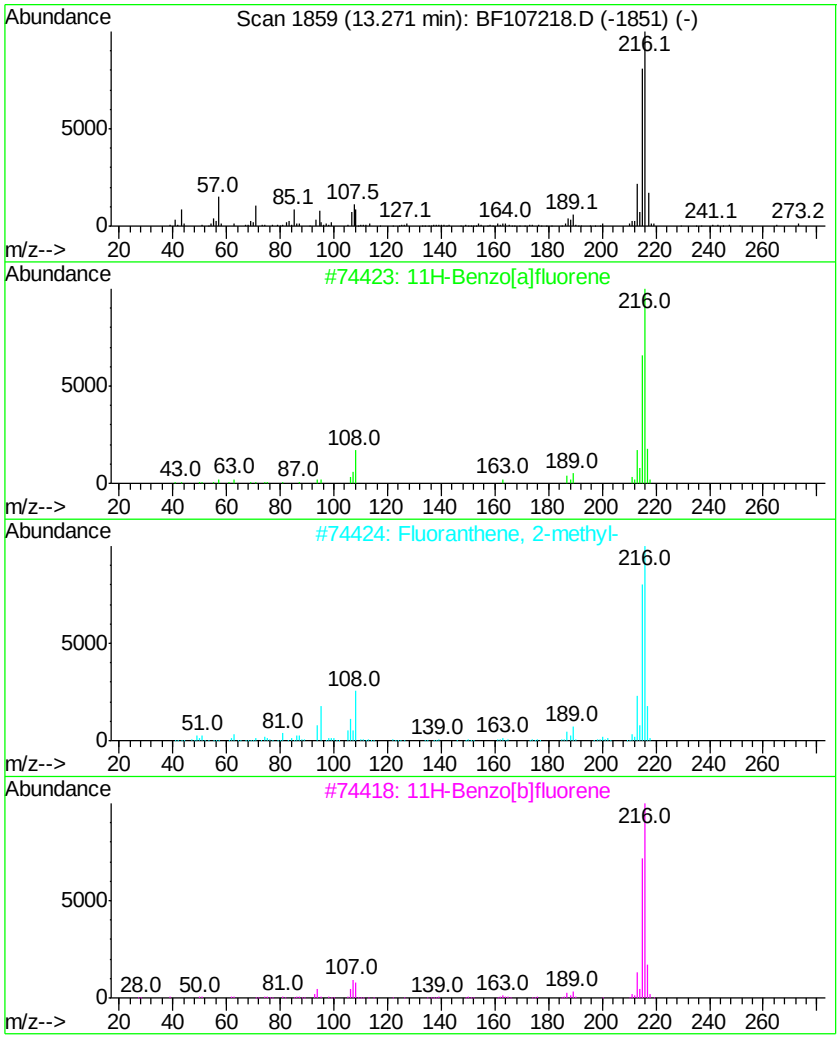
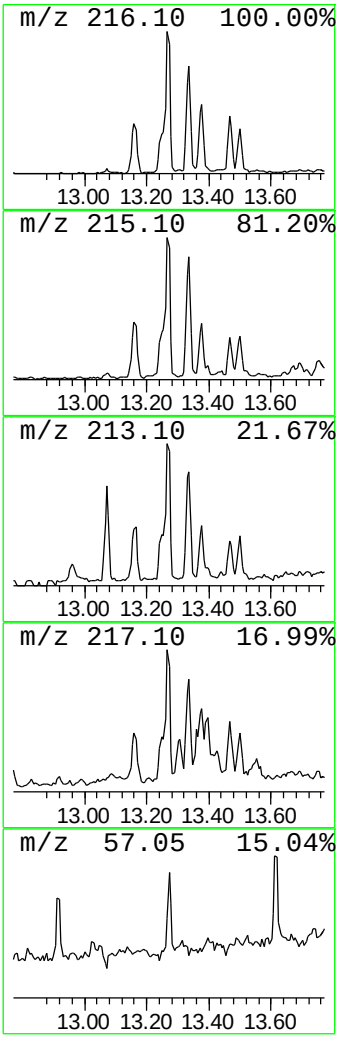
Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	6.41 ng	229820	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Data File : BF107218.D
Acq On : 7 Jul 2018 20:25
Operator : JU/SJ
Sample : J3879-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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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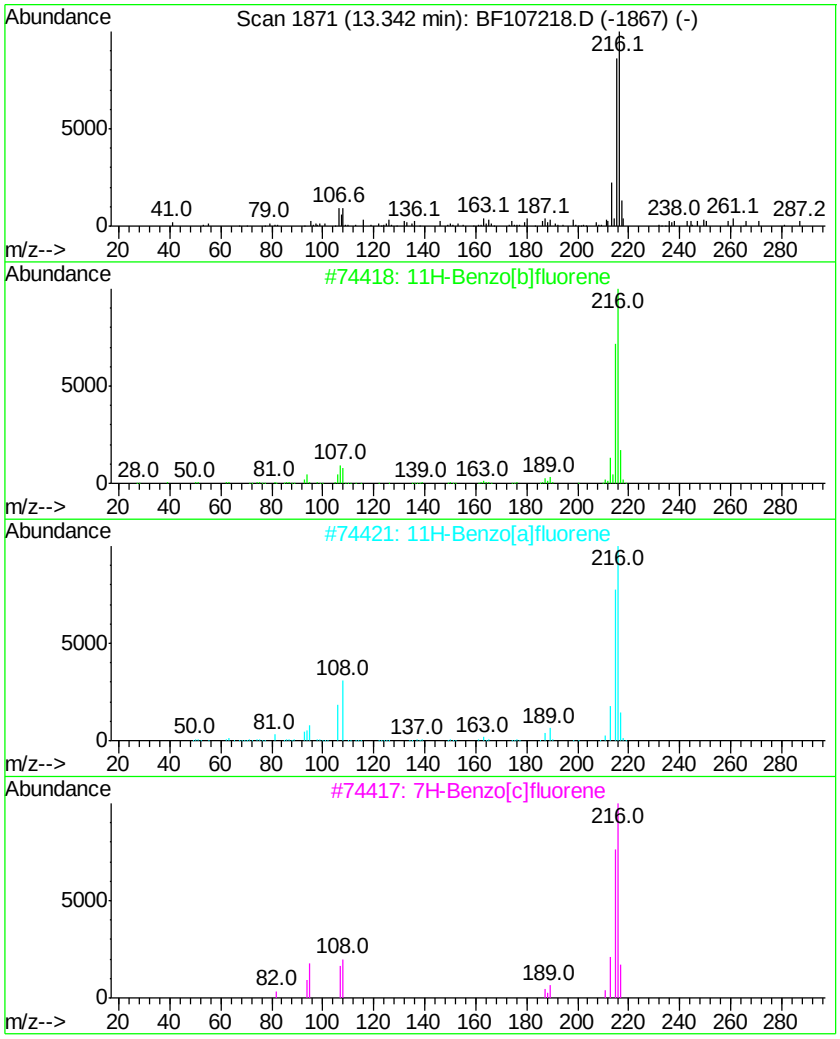
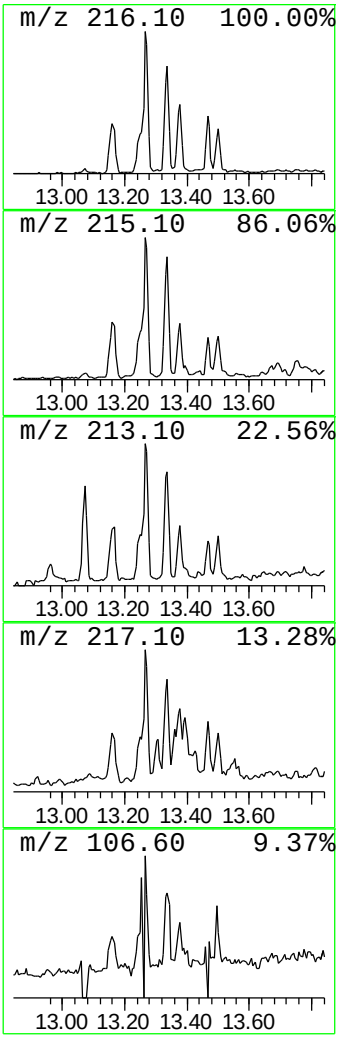
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.49 ng	89233	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60
5	Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	58





Library Search Compound Report

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Acq On : 7 Jul 2018 20:25
Operator : JU/SJ
Sample : J3879-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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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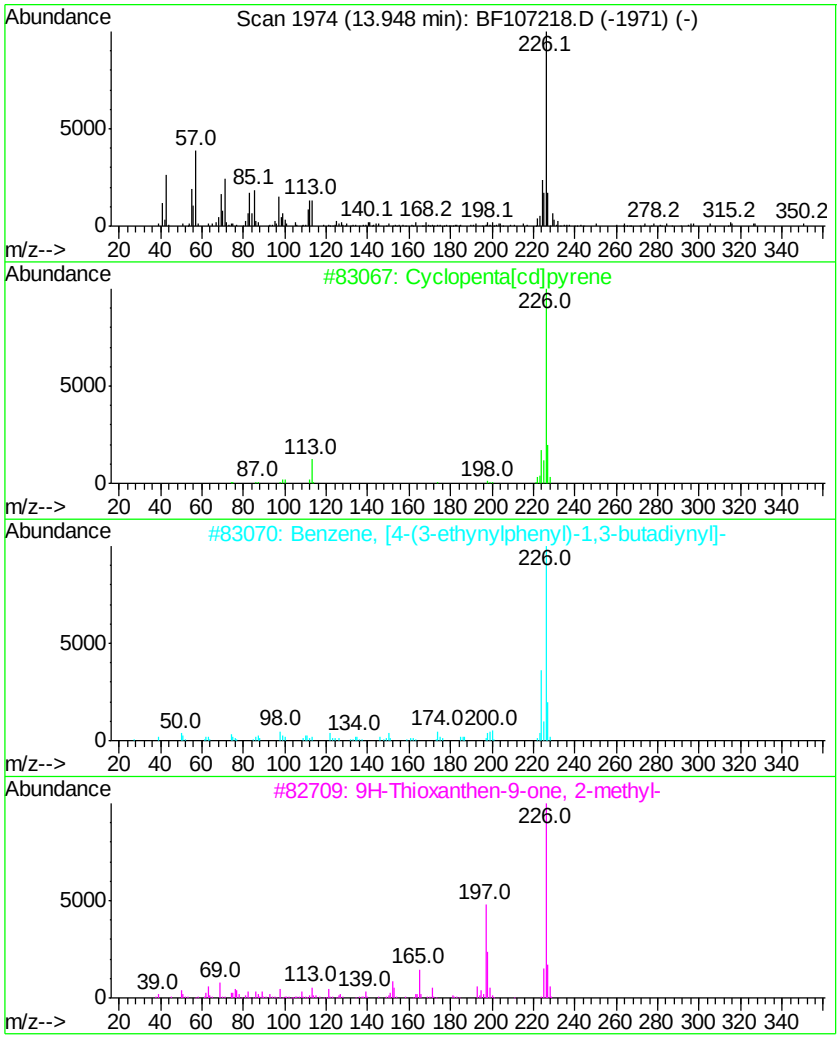
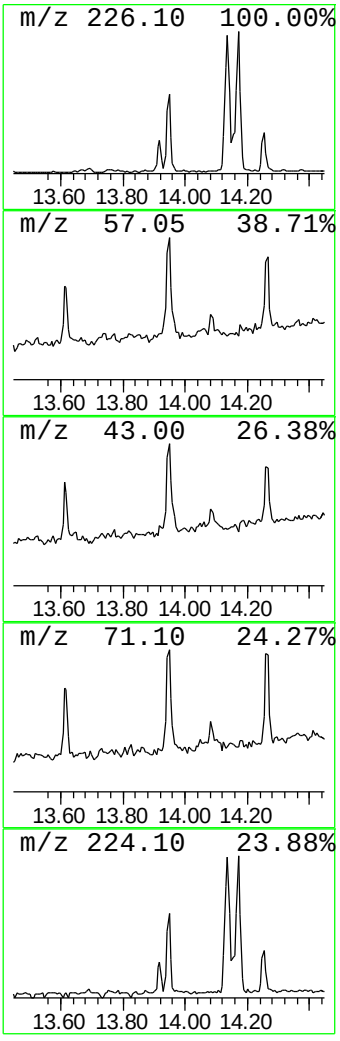
Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	5.10 ng	182875	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	62
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	46
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	43
4	Diheptylisobutylamine	269	C18H39N	1000310-32-0	40
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	38





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Operator : JU/SJ
Sample : J3879-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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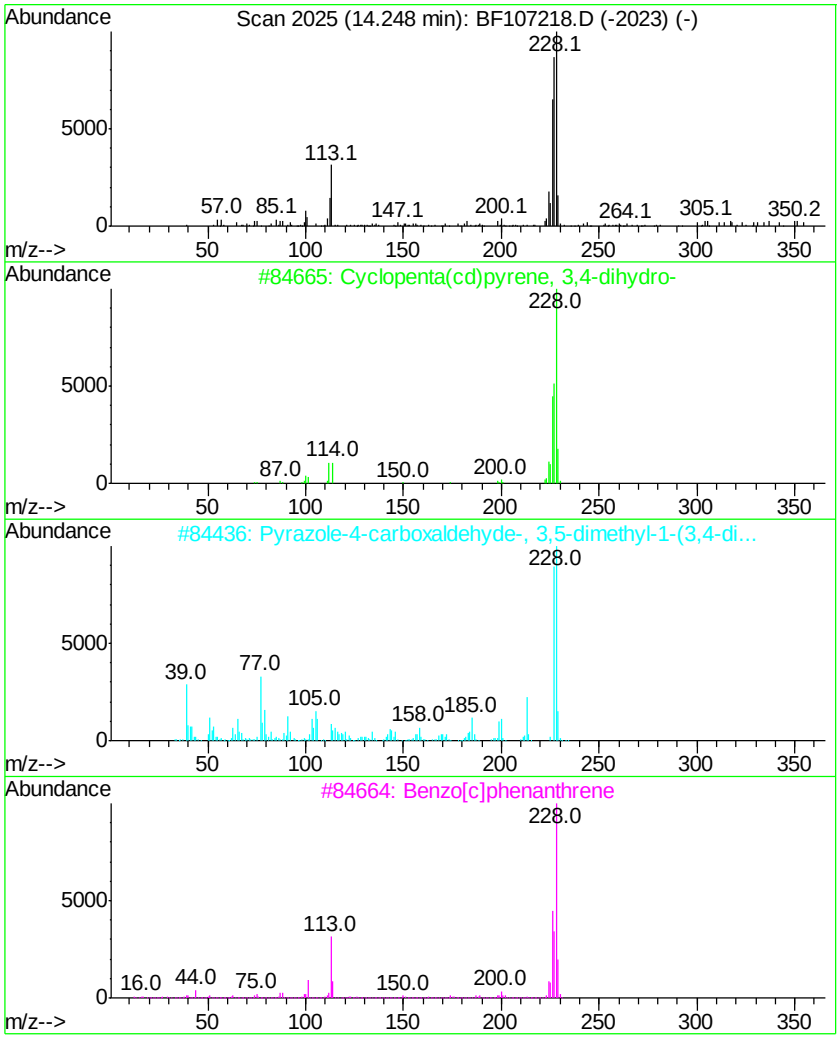
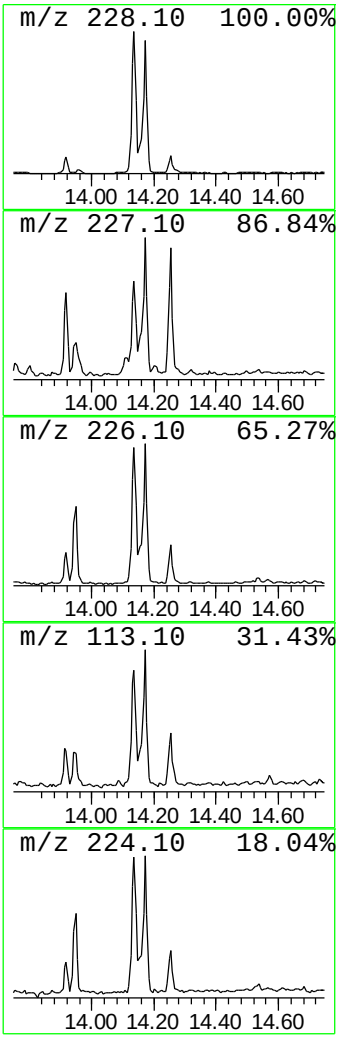
Peak Number 16 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	3.44 ng	123279	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	40
5	Triphenylene	228	C18H12	000217-59-4	38





Library Search Compound Report

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Operator : JU/SJ
Sample : J3879-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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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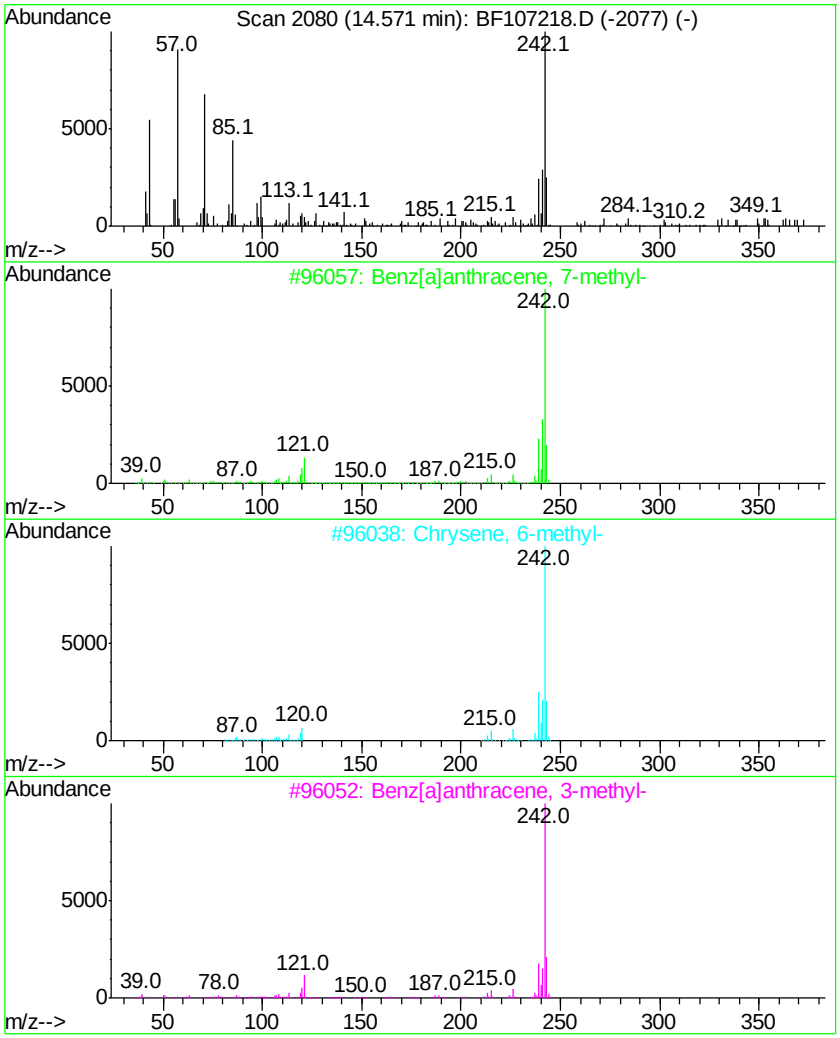
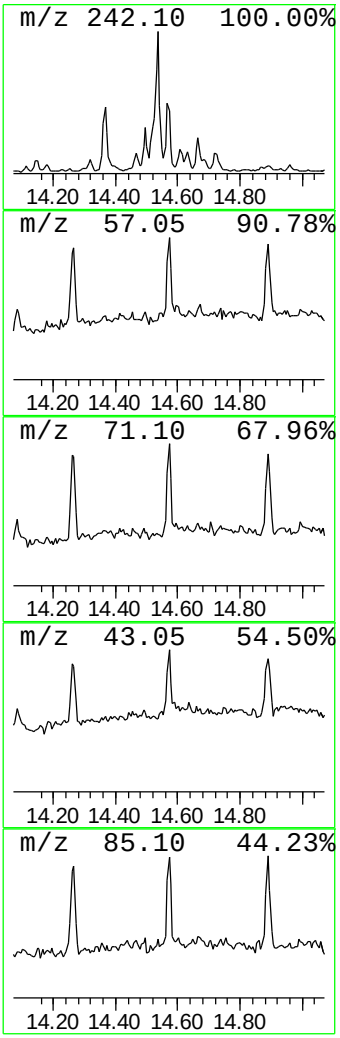
Peak Number 17 Benz[a]anthracene, 7-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	2.11 ng	75806	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	64
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	50
3	Benz[a]anthracene, 3-methyl-	242	C19H14	002498-75-1	46
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	45
5	2-Methylchrysene	242	C19H14	003351-32-4	45





Library Search Compound Report

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Operator : JU/SJ
Sample : J3879-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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

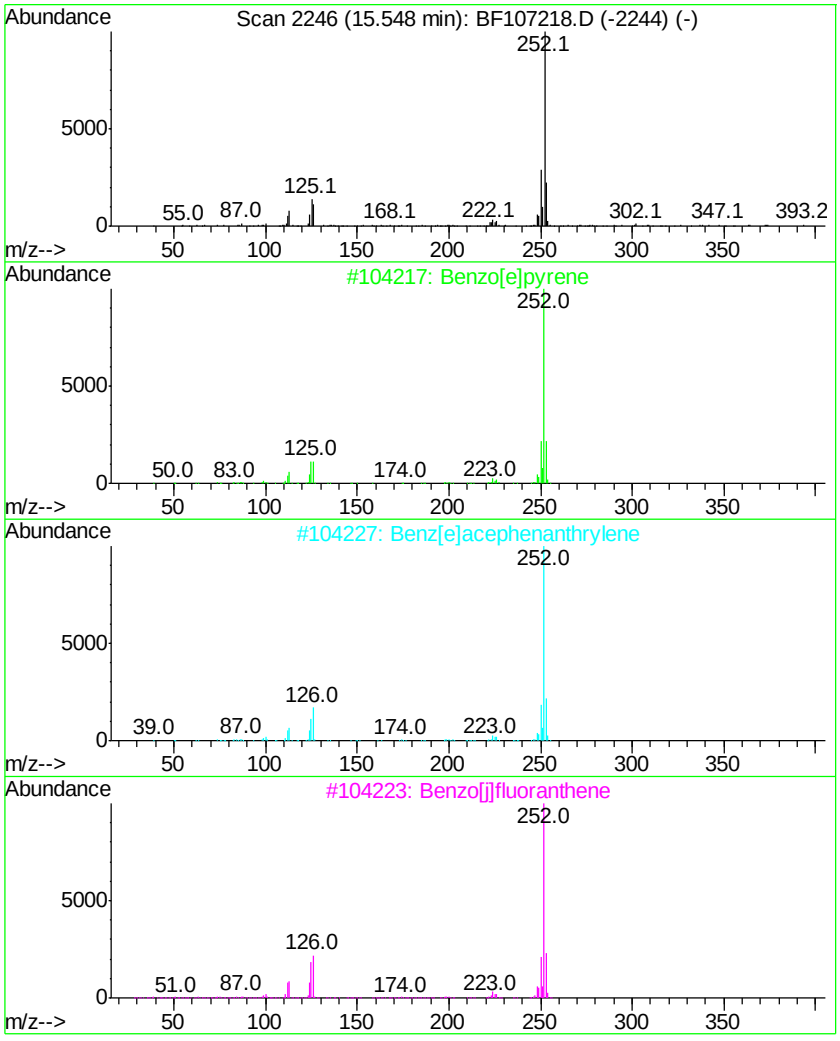
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

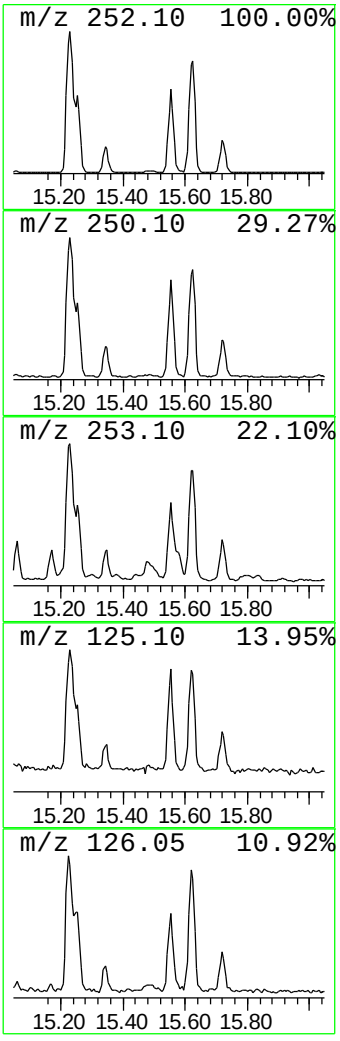
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	17.37 ng	169236	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

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Data File : BF107218.D
Acq On : 7 Jul 2018 20:25
Operator : JU/SJ
Sample : J3879-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-5

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
2-Pentanone, 4-hy...	5.19	10.3	ng	164698	1	6.95	320445	20.0
unknown6.73	6.73	71.8	ng	1150100	1	6.95	320445	20.0
Benzene, 1-ethyl-...	6.77	2.4	ng	37711	1	6.95	320445	20.0
Phenanthrene, 1-m...	11.99	2.9	ng	60727	4	11.49	415938	20.0
Phenanthrene, 2-m...	12.02	4.0	ng	82351	4	11.49	415938	20.0
4H-Cyclopenta[def...	12.11	6.9	ng	143585	4	11.49	415938	20.0
5,16[1',2']:8,13[...	12.28	3.2	ng	66467	4	11.49	415938	20.0
di-p-Tolylacetylene	12.54	3.7	ng	77749	4	11.49	415938	20.0
Cyclopenta(def)ph...	12.64	3.6	ng	75423	4	11.49	415938	20.0
Pyrene, 1-methyl-	13.16	3.1	ng	112742	5	14.15	717378	20.0
11H-Benzo[a]fluorene	13.27	6.4	ng	229820	5	14.15	717378	20.0
11H-Benzo[b]fluorene	13.34	2.5	ng	89233	5	14.15	717378	20.0
Cyclopenta[cd]pyrene	13.95	5.1	ng	182875	5	14.15	717378	20.0
Cyclopenta(cd)pyr...	14.25	3.4	ng	123279	5	14.15	717378	20.0
Benz[a]anthracene...	14.57	2.1	ng	75806	5	14.15	717378	20.0
Benzo[e]pyrene	15.55	17.4	ng	169236	6	15.69	194915	20.0