LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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	479	483	491	rVB	87026	96323	12.29%	0.952%
2	5.607	553	556	583	rBV	387573	749720	95.67%	7.410%
3	6.607	722	726	743	rBV	436678	743269	94.85%	7.346%
4	6.731	743	747	753	rVV	664253	739786	94.40%	7.311%
5	6.772	753	754	763	rVB	11735	12787	1.63%	0.126%
6	6.936	779	782	786	rBV	253962	215326	27.48%	2.128%
7	7.095	805	809	812	rBV	650349	559969	71.46%	5.534%
8	7.507	874	879	882	rBV	468339	443160	56.55%	4.380%
9	8.219	997	1000	1003	rBV	249863	243199	31.03%	2.404%
10	8.789	1092	1097	1101	rVB2	10740	12666	1.62%	0.125%
11	8.936	1118	1122	1127	rVB	19201	16466	2.10%	0.163%
12	9.036	1134	1139	1143	rBB	11877	10883	1.39%	0.108%
13	9.295	1178	1183	1186	rBV	868978	763695	97.45%	7.548%
14	9.354	1190	1193	1198	rVV	12580	12457	1.59%	0.123%
15	9.395	1198	1200	1204	rVB	13199	11072	1.41%	0.109%
16	9.689	1243	1250	1256	rVB	166494	157128	20.05%	1.553%
17	9.842	1273	1276	1281	rVB	15031	13323	1.70%	0.132%
18	9.883	1281	1283	1287	rVB	14124	11079	1.41%	0.109%
19	9.983	1296	1300	1303	rVV	260652	230158	29.37%	2.275%
20	10.013	1303	1305	1308	rVB	25662	18917	2.41%	0.187%
21	10.189	1330	1335	1338	rBV2	15929	19691	2.51%	0.195%
22	10.383	1365	1368	1371	rVB2	19157	16014	2.04%	0.158%
23	10.530	1390	1393	1398	rVB3	16473	17645	2.25%	0.174%
24	10.601	1401	1405	1409	rBV3	7920	11736	1.50%	0.116%
25	10.777	1431	1435	1441	rBV	437436	403437	51.48%	3.987%
26	10.872	1446	1451	1453	rBV2	18966	24349	3.11%	0.241%
27	11.083	1480	1487	1488	rBV2	6201	8410	1.07%	0.083%
28	11.283	1518	1521	1523	rBV2	12531	10846	1.38%	0.107%
29	11.307	1523	1525	1528	rVV2	12643	11717	1.50%	0.116%
30	11.477	1550	1554	1556	rBV	287766	235528	30.06%	2.328%
31	11.501	1556	1558	1562	rVB	171204	130395	16.64%	1.289%
32	11.554	1564	1567	1570	rBV	50837	39381	5.03%	0.389%
33	11.713	1592	1594	1596	rBV	15753	12713	1.62%	0.126%
34	11.736	1596	1598	1601	rVB	15783	12198	1.56%	0.121%

LSC Area Percent Report

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Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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

35	11.813	1605	1611	1614	rBV4	14503	17030	2.17%	0.168%
36	11.977	1636	1639	1642	rBV	44384	45190	5.77%	0.447%
37	12.007	1642	1644	1648	rVV2	42677	42003	5.36%	0.415%
38	12.060	1648	1653	1655	rVB	15572	17026	2.17%	0.168%
39	12.095	1655	1659	1661	rBV2	44832	49749	6.35%	0.492%
40	12.113	1661	1662	1665	rVB	19535	15190	1.94%	0.150%
41	12.271	1686	1689	1692	rBV	25491	23673	3.02%	0.234%
42	12.313	1693	1696	1699	rVB2	22182	21335	2.72%	0.211%
43	12.424	1713	1715	1718	rVB2	13362	10637	1.36%	0.105%
44	12.454	1718	1720	1723	rBV	13871	13239	1.69%	0.131%
45	12.483	1723	1725	1727	rVV2	11500	10512	1.34%	0.104%
46	12.530	1730	1733	1737	rVV2	43367	44588	5.69%	0.441%
47	12.571	1737	1740	1741	rVV2	12987	14437	1.84%	0.143%
48	12.630	1745	1750	1752	rBV2	28090	35714	4.56%	0.353%
49	12.701	1758	1762	1765	rBV	356166	318525	40.65%	3.148%
50	12.848	1785	1787	1789	rVB2	10784	9033	1.15%	0.089%
51	12.871	1789	1791	1793	rVB2	14325	10686	1.36%	0.106%
52	12.907	1794	1797	1799	rBV2	77081	80905	10.32%	0.800%
53	12.930	1799	1801	1806	rVV	337018	303727	38.76%	3.002%
54	12.977	1806	1809	1813	rVB	21370	24379	3.11%	0.241%
55	13.060	1819	1823	1827	rBV	819141	783648	100.00%	7.745%
56	13.095	1827	1829	1833	rVB	24161	24025	3.07%	0.237%
57	13.154	1833	1839	1842	rBV4	28397	59011	7.53%	0.583%
58	13.242	1849	1854	1855	rBV4	36121	48749	6.22%	0.482%
59	13.260	1855	1857	1860	rVB2	57486	54335	6.93%	0.537%
60	13.324	1865	1868	1870	rBV	28666	25531	3.26%	0.252%
61	13.365	1873	1875	1877	rVB	29473	22108	2.82%	0.218%
62	13.460	1888	1891	1893	rBV	31448	31437	4.01%	0.311%
63	13.489	1893	1896	1898	rVV	32054	30537	3.90%	0.302%
64	13.607	1913	1916	1918	rBV2	32096	25734	3.28%	0.254%
65	13.771	1942	1944	1947	rVB	52485	45581	5.82%	0.450%
66	13.883	1960	1963	1965	rBV	43316	38001	4.85%	0.376%
67	13.907	1965	1967	1969	rVV	38185	29292	3.74%	0.289%
68	13.936	1969	1972	1977	rVV2	93157	118779	15.16%	1.174%
69	13.983	1978	1980	1983	rVB	45045	38852	4.96%	0.384%
70	14.136	2001	2006	2008	rBV2	377233	499178	63.70%	4.933%
71	14.160	2008	2010	2013	rVB	189383	166945	21.30%	1.650%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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

72	14.248	2022	2025	2030	rBV2	43831	68687	8.77%	0.679%
73	14.560	2076	2078	2080	rBV2	48168	49420	6.31%	0.488%
74	15.218	2186	2190	2198	rVB	168236	349609	44.61%	3.455%
75	15.542	2242	2245	2249	rBV	89308	100794	12.86%	0.996%
76	15.612	2253	2257	2264	rBV	125085	186474	23.80%	1.843%
77	15.677	2264	2268	2271	rBV	163674	198514	25.33%	1.962%

Sum of corrected areas: 10118262

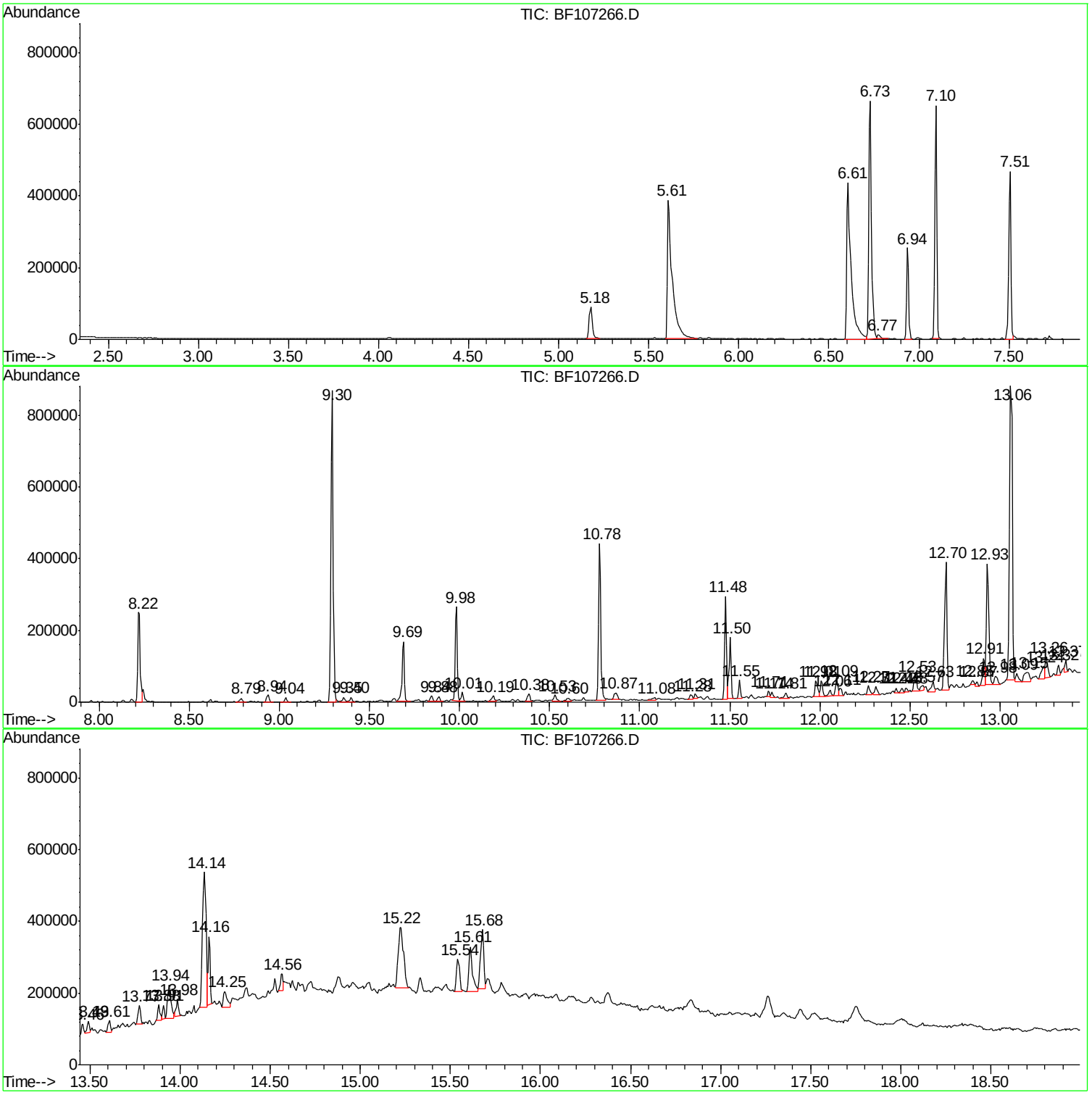
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-6RE

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\BF071018\
Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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

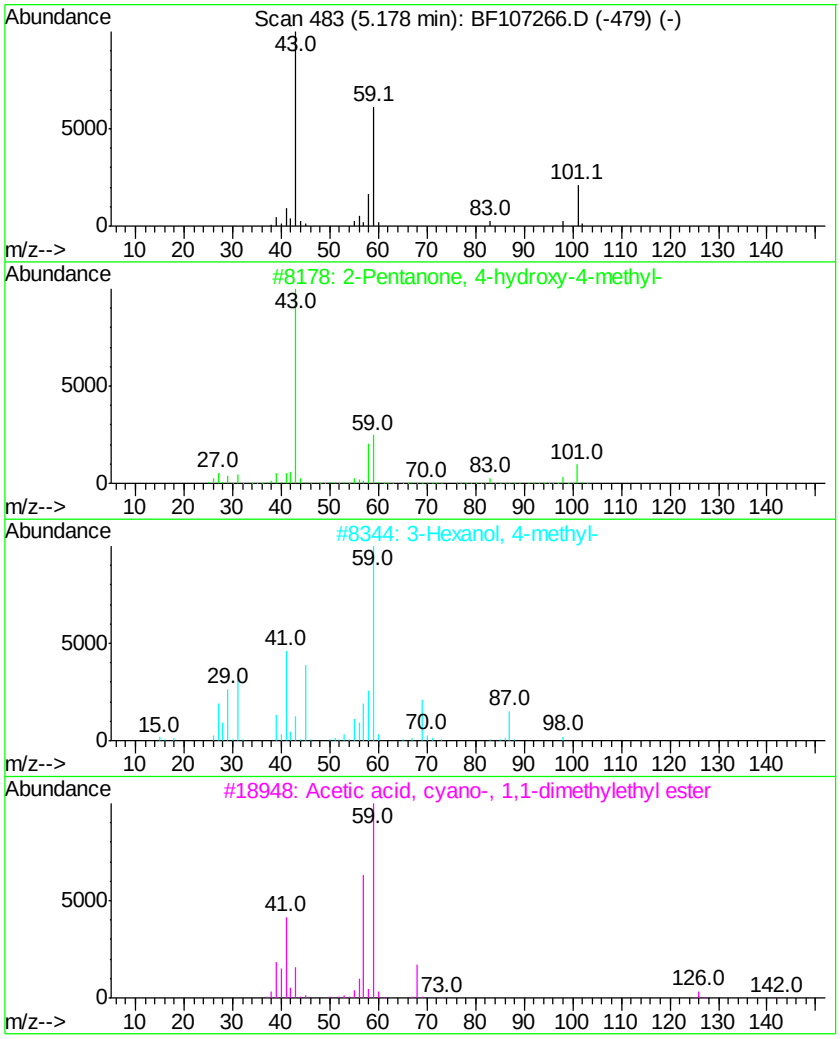
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

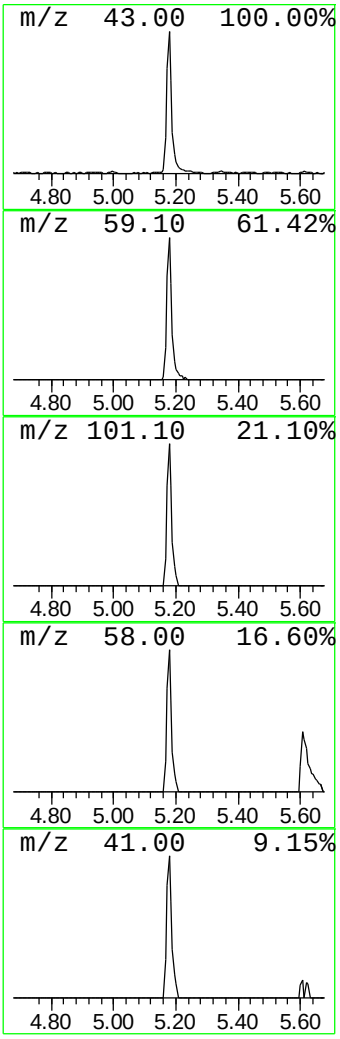
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	8.95 ng	96323	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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

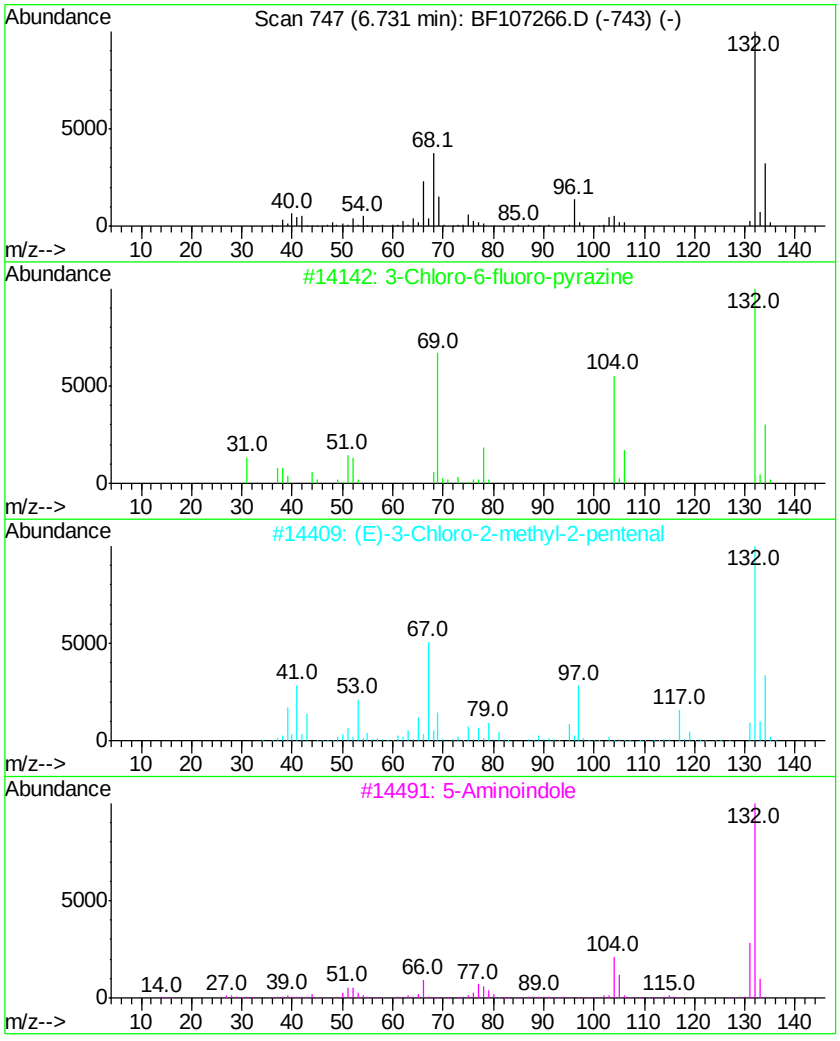
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

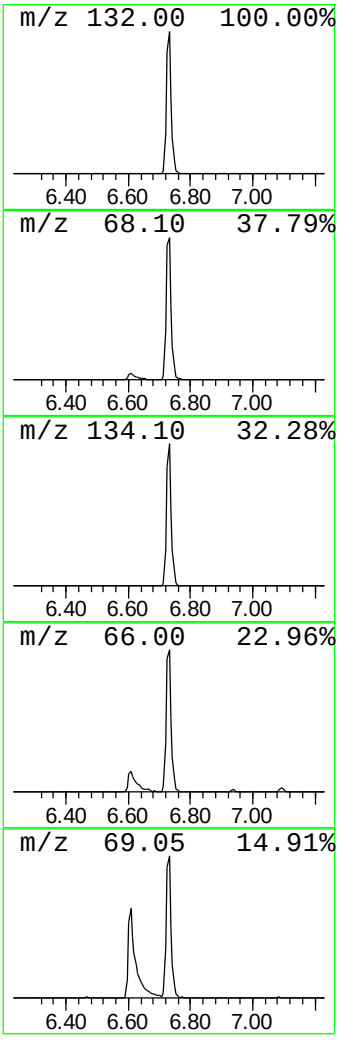
****

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	68.71 ng	739786	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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

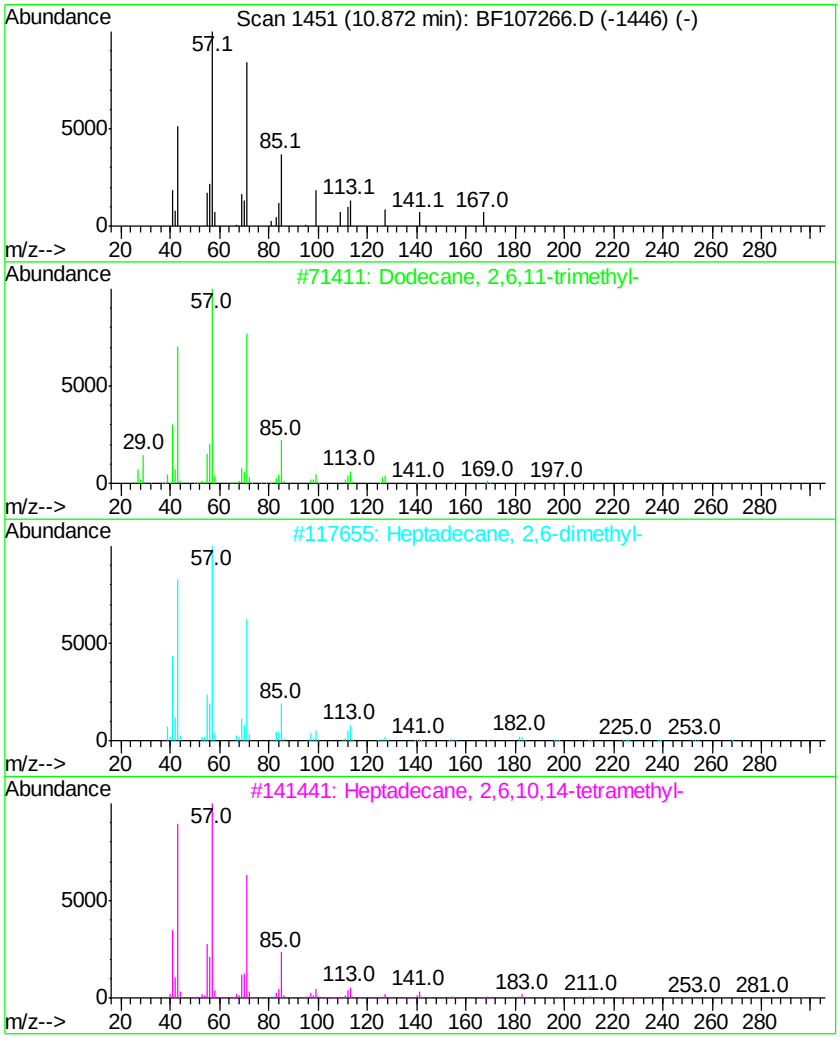
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

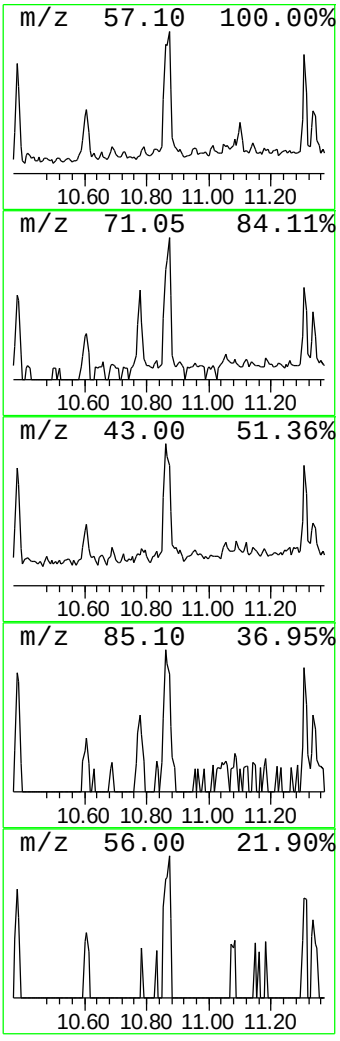
****

Peak Number 4 Dodecane, 2,6,11-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	2.07 ng	24349	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
2	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	83
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	83
4	Tetratetracontane	619	C44H90	007098-22-8	78
5	Decane, 2-methyl-	156	C11H24	006975-98-0	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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

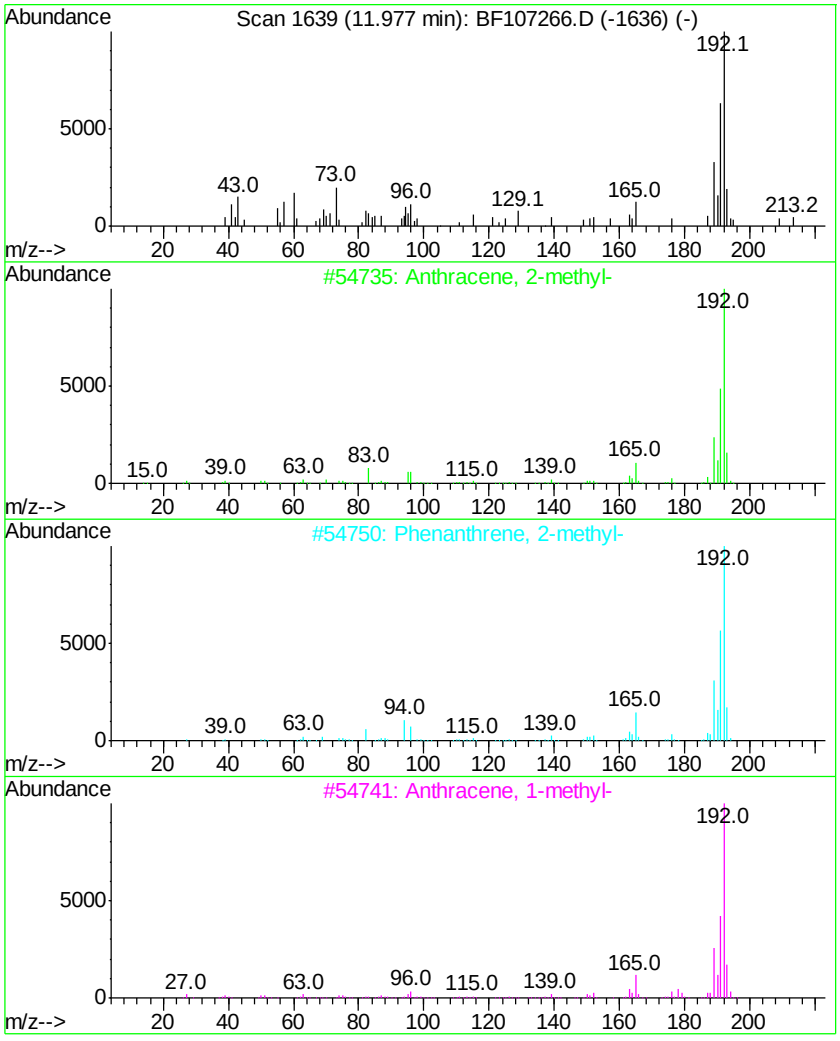
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

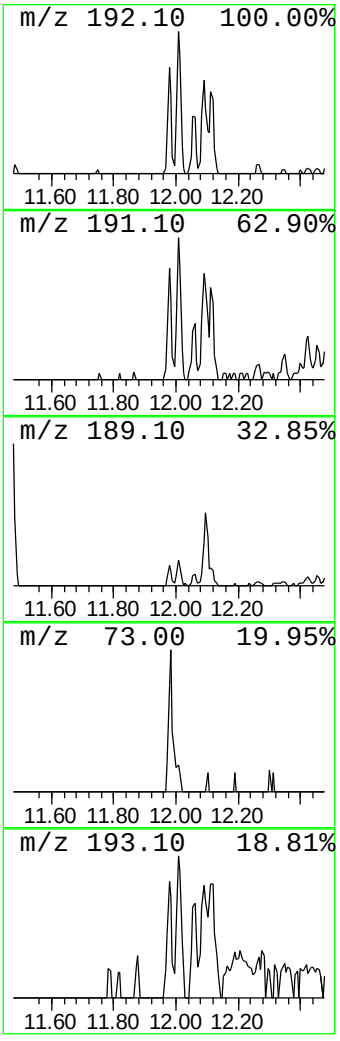
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	3.84 ng	45190	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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

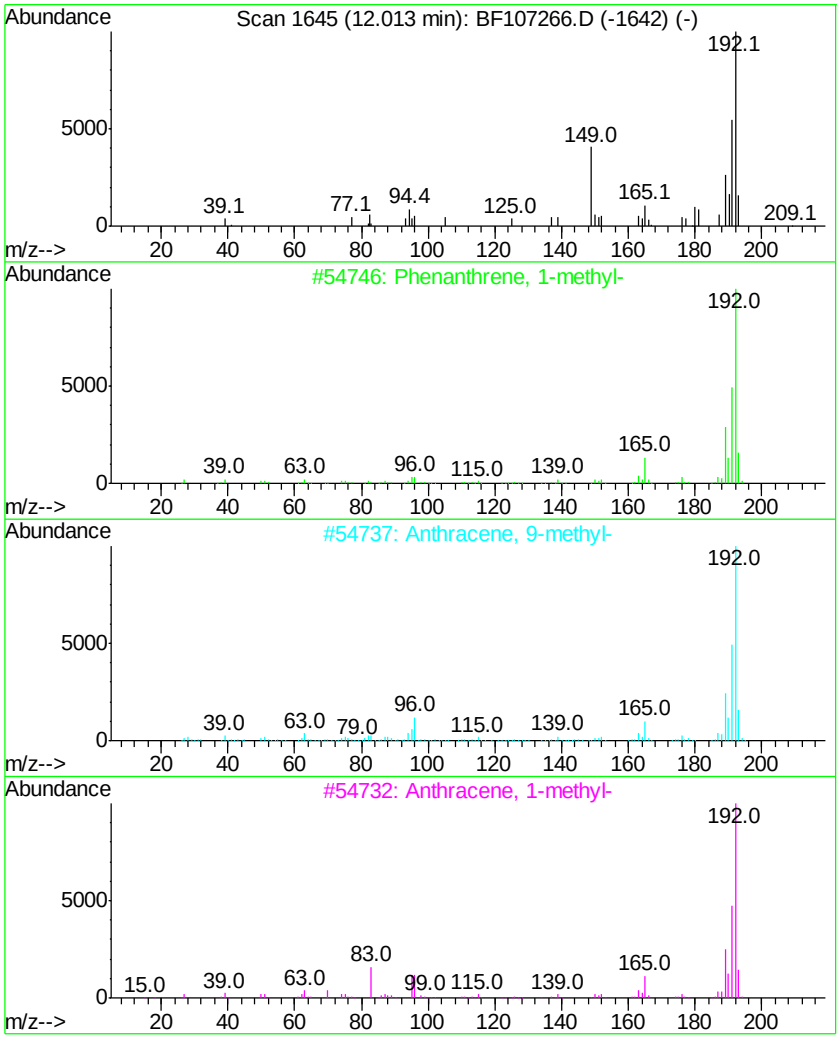
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

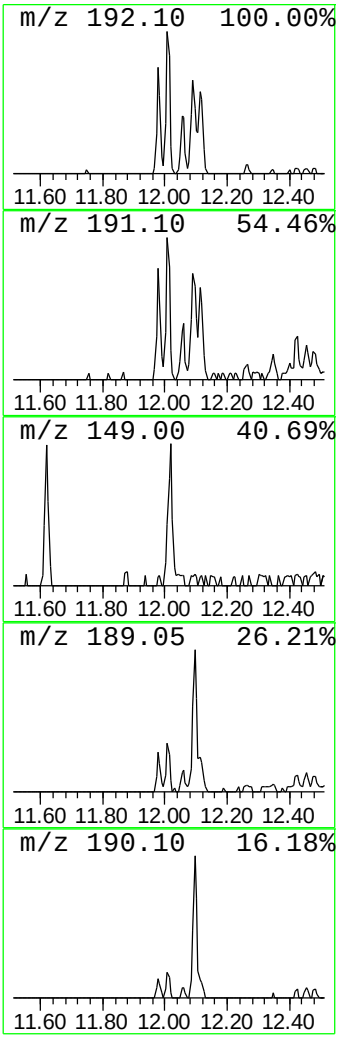
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	3.57 ng	42003	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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

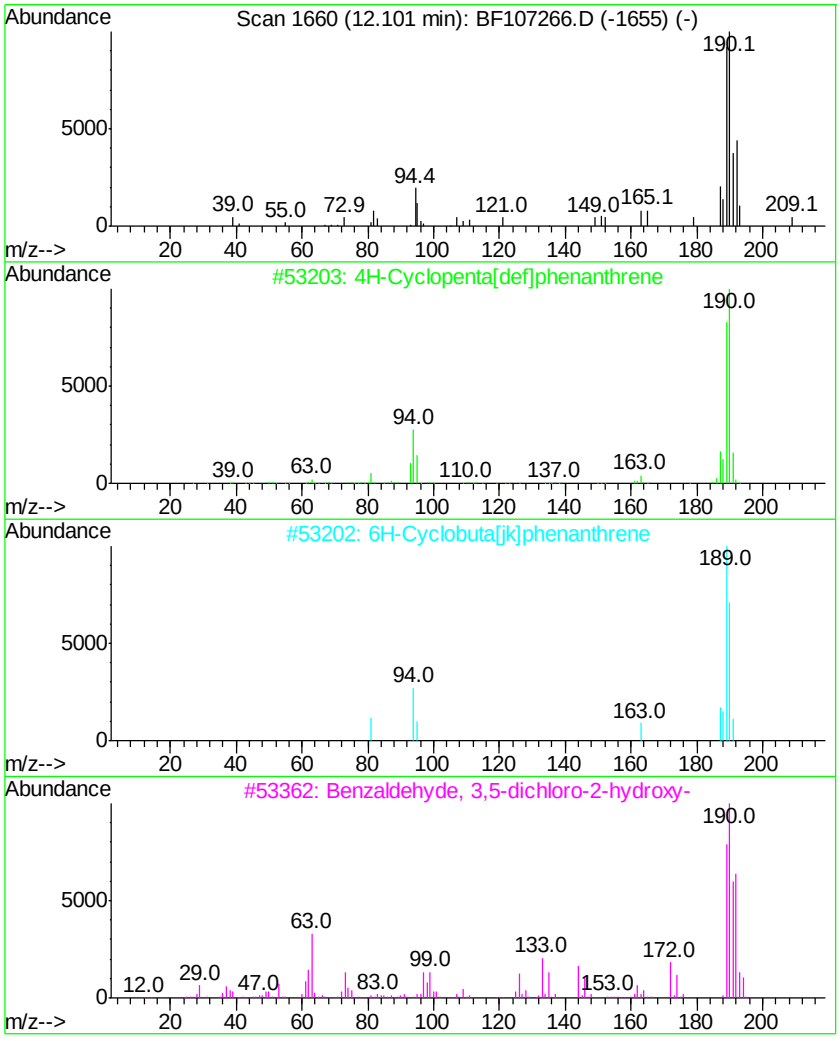
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

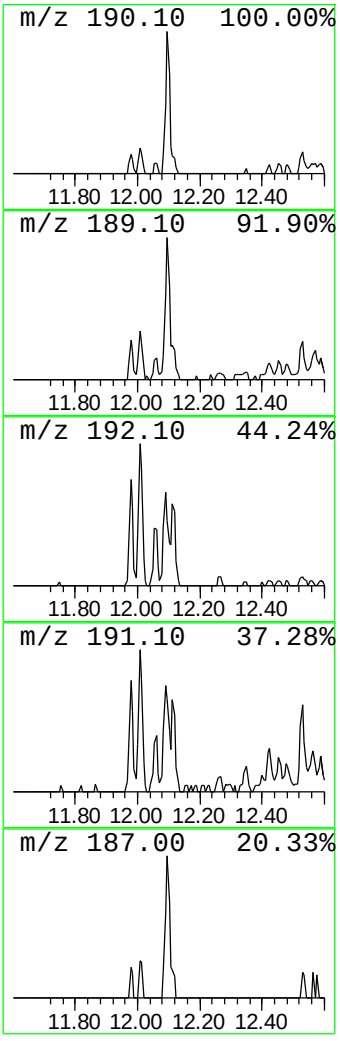
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	4.22 ng	49749	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	37





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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

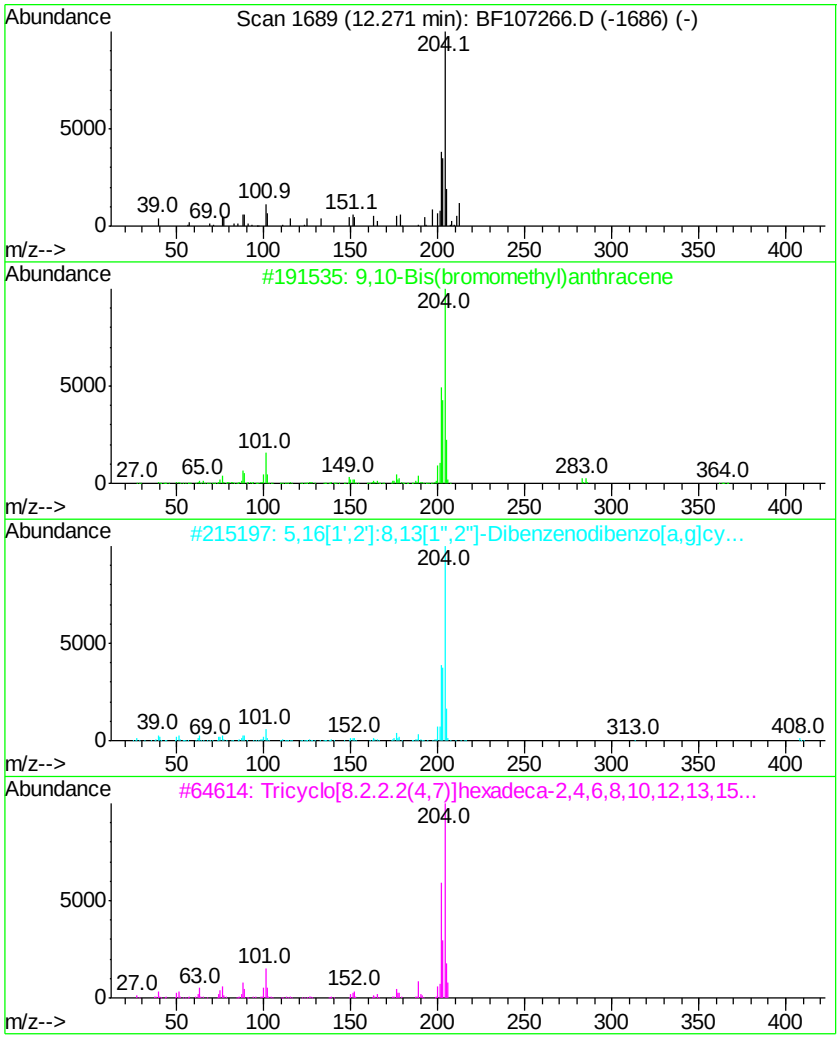
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

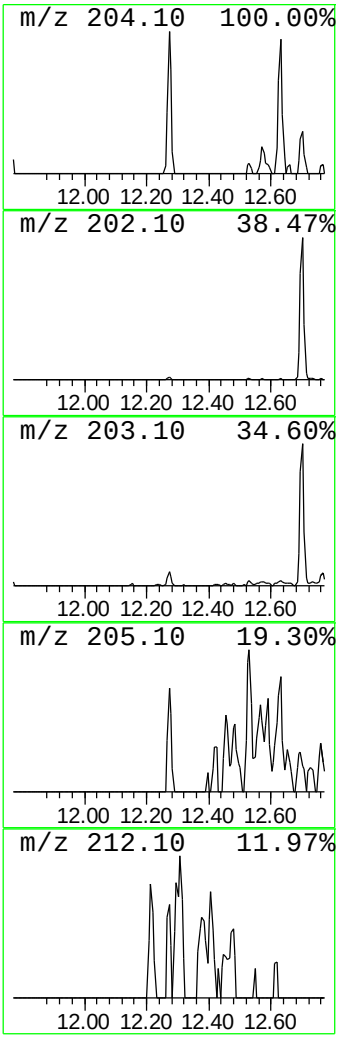
****

Peak Number 8 9,10-Bis(bromomethyl)anthra... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	2.01 ng	23673	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	80
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49





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Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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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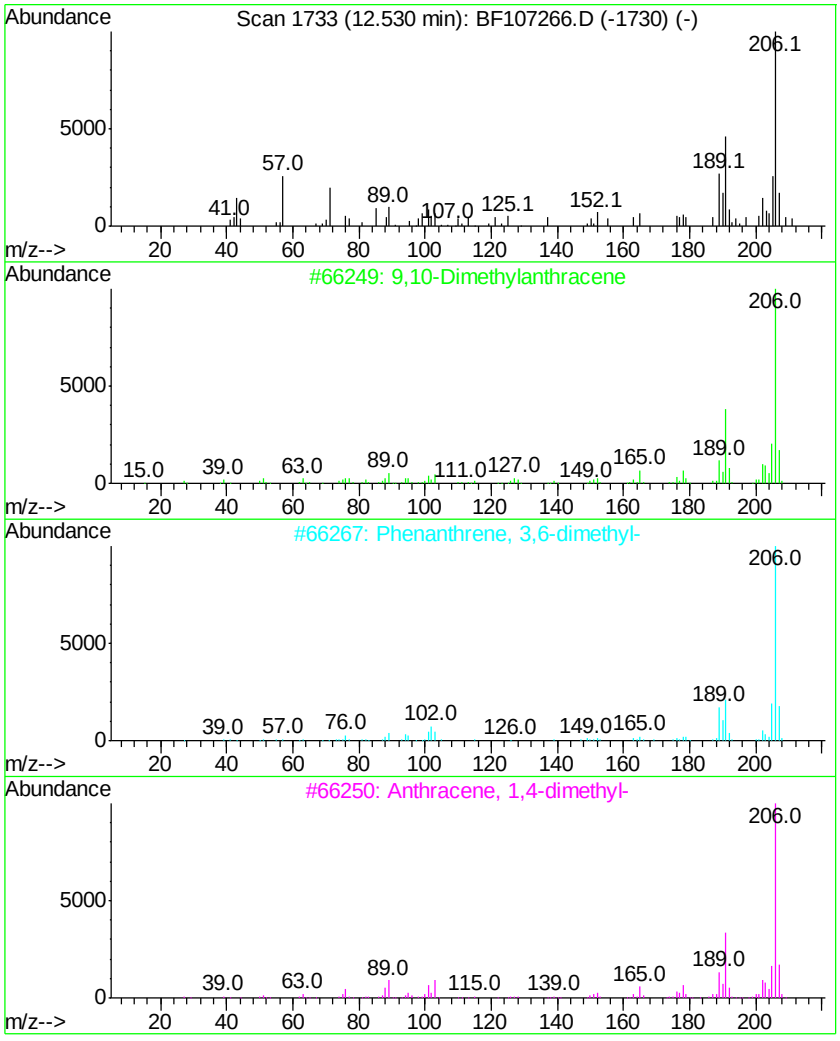
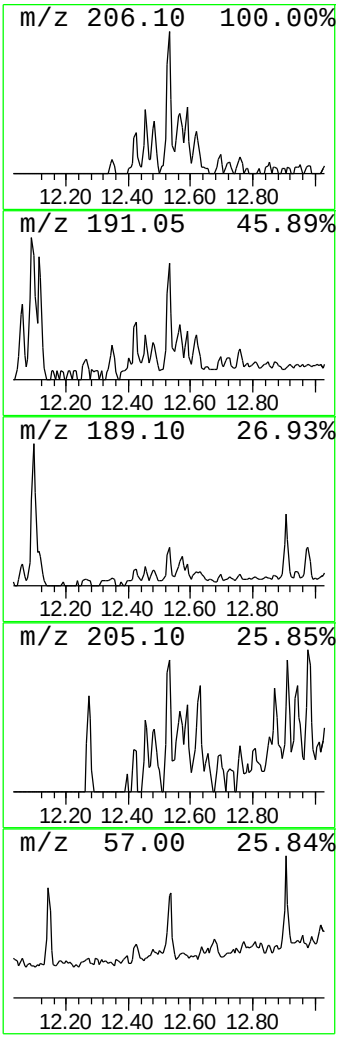
Peak Number 9 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.79 ng	44588	Phenanthrene-d10	11.48

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





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Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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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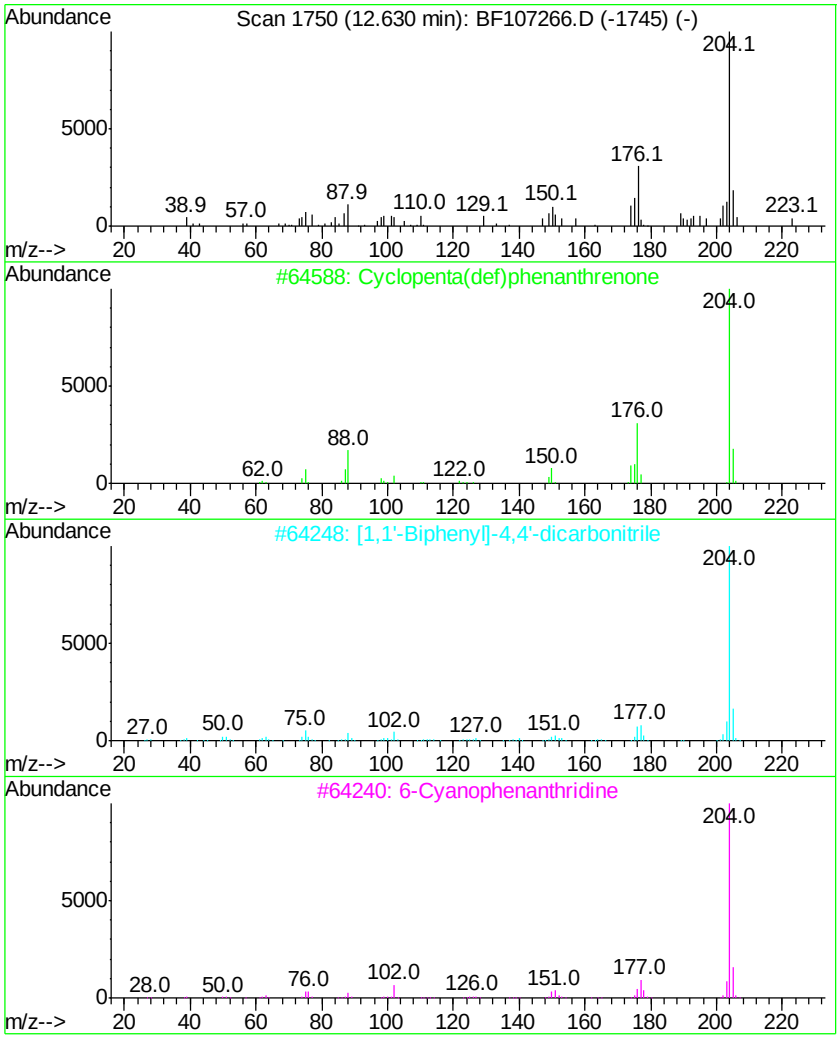
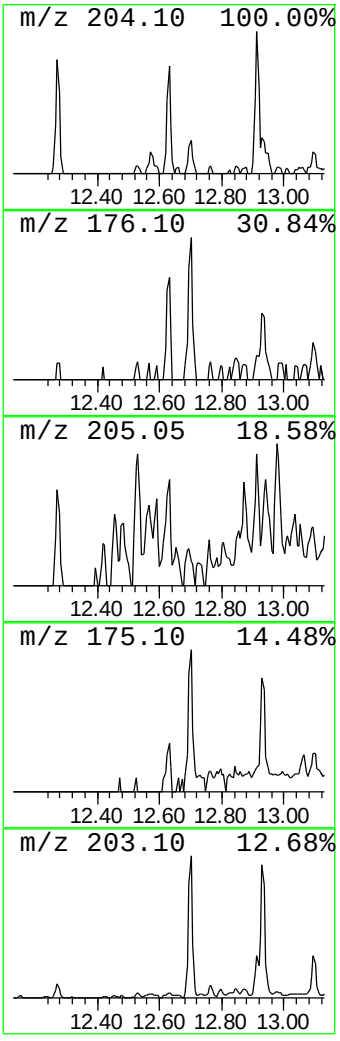
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	3.03 ng	35714	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	74
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53
4	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	53
5	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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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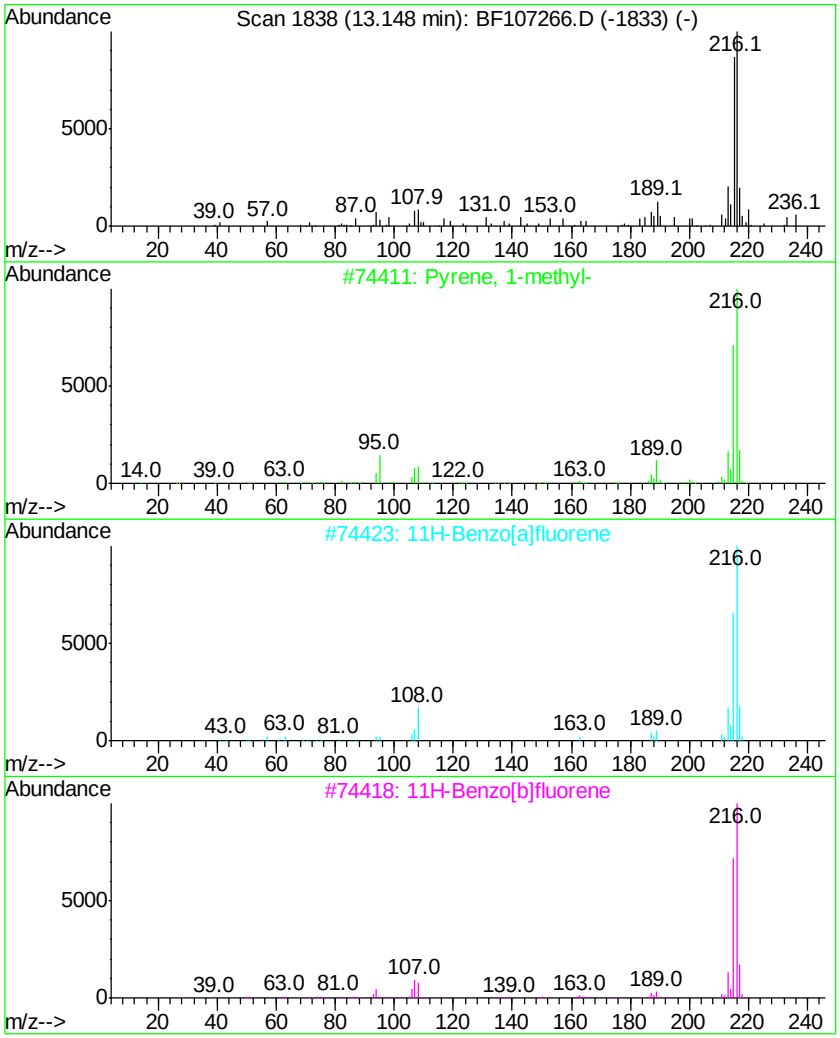
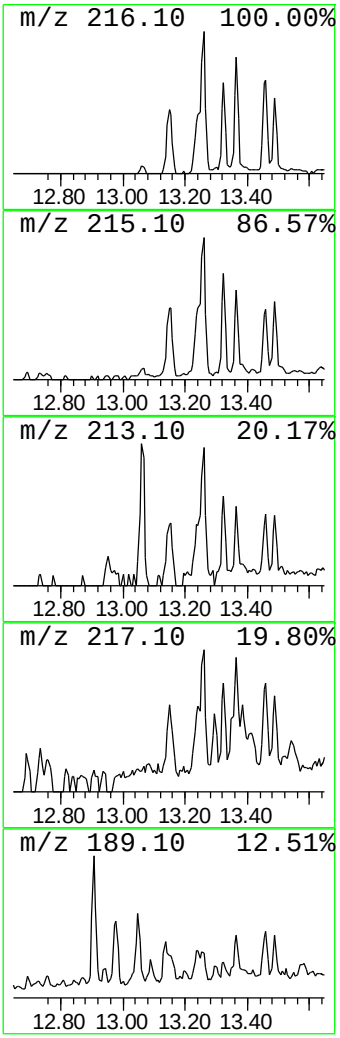
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.36 ng	59011	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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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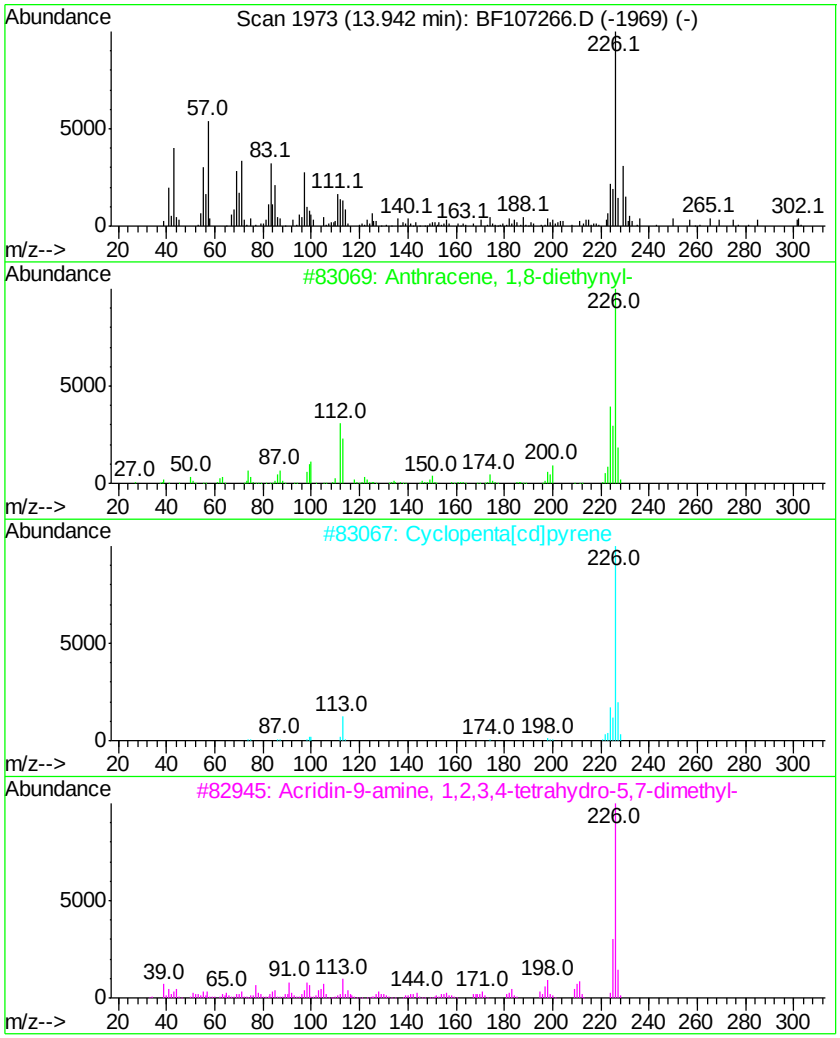
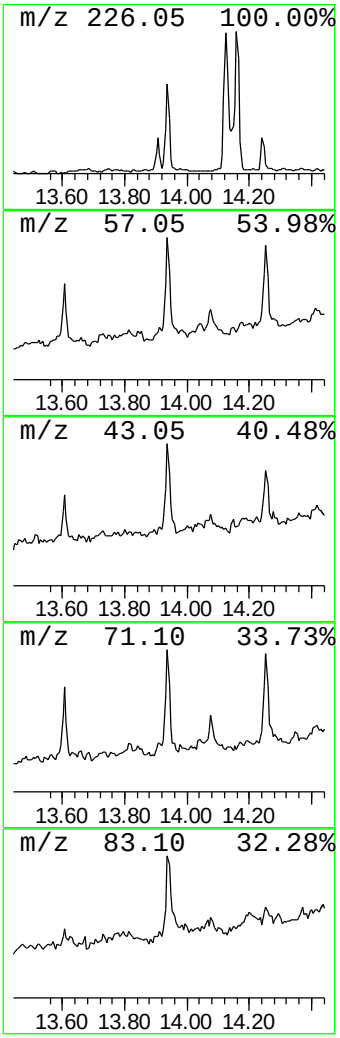
Peak Number 13 Anthracene, 1,8-diethynyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	4.76 ng	118779	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	52
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	50
3	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	47
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	46
5	5-Methyl-1-phenyl-1,5-dihydro-py...	226	C12H10N4O	1000300-02-1	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
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Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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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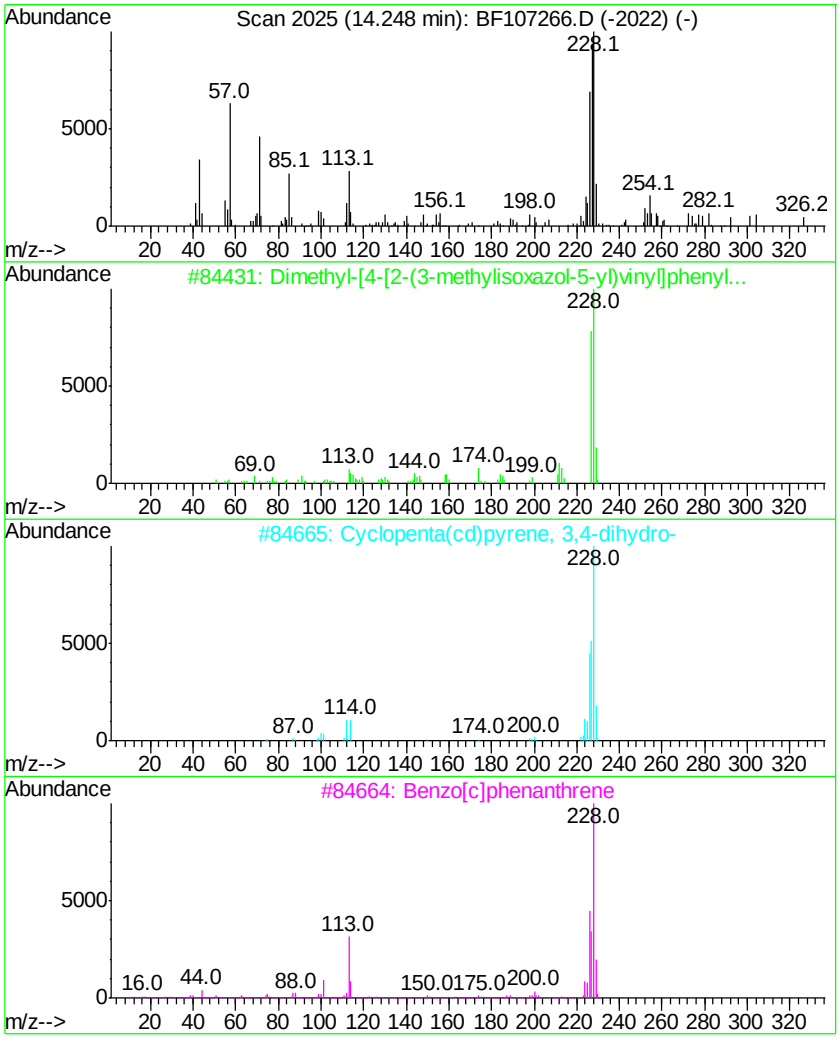
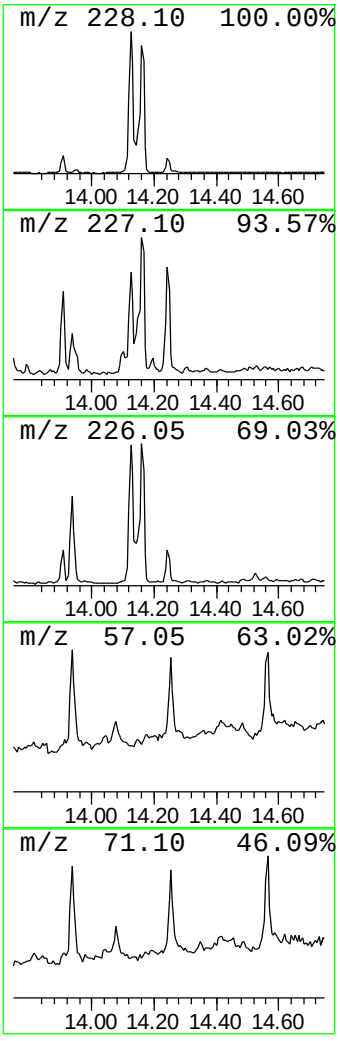
Peak Number 14 unknown14.25 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	2.75 ng	68687	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	43
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	41
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	27
5	2-Aminocaprylic acid, N-neopenty...	357	C20H39NO4	1000327-85-2	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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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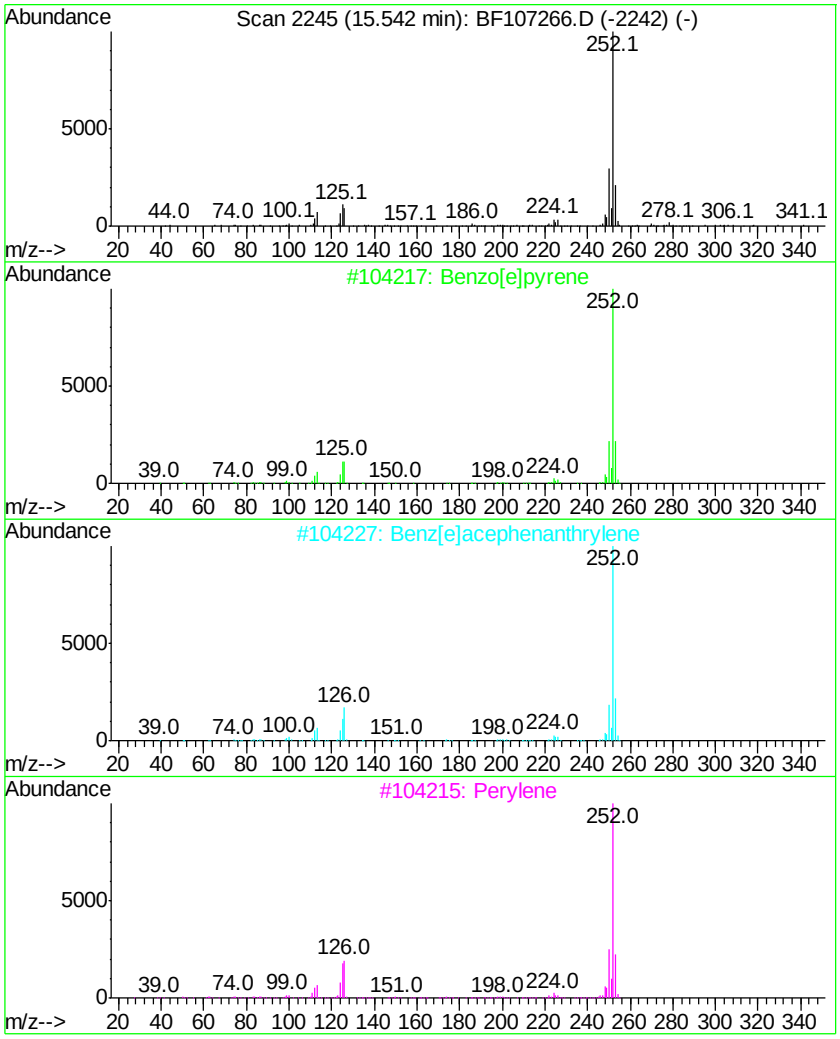
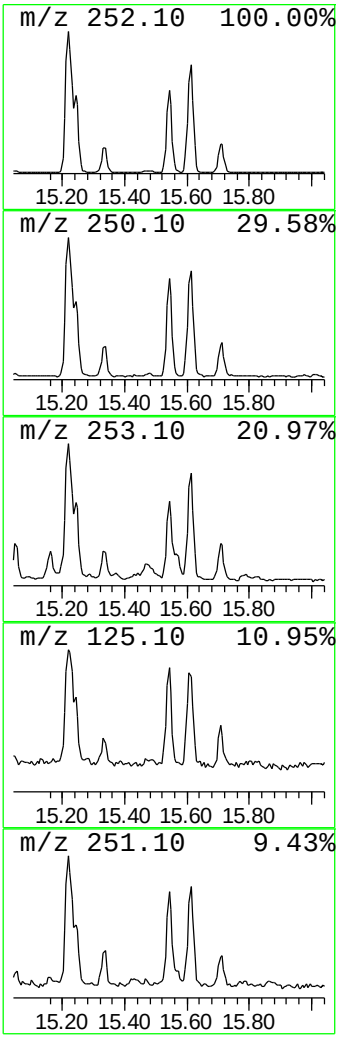
Peak Number 15 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	10.15 ng	100794	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071018\
Data File : BF107266.D
Acq On : 10 Jul 2018 12:21
Operator : JU/SJ
Sample : J3879-11RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-6RE

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...	5.18	8.9	ng	96323	1	6.94	215326	20.0
unknown6.73	6.73	68.7	ng	739786	1	6.94	215326	20.0
Dodecane, 2,6,11-...	10.87	2.1	ng	24349	4	11.48	235528	20.0
Anthracene, 2-met...	11.98	3.8	ng	45190	4	11.48	235528	20.0
Phenanthrene, 1-m...	12.01	3.6	ng	42003	4	11.48	235528	20.0
4H-Cyclopenta[def...	12.10	4.2	ng	49749	4	11.48	235528	20.0
9,10-Bis(bromomet...	12.27	2.0	ng	23673	4	11.48	235528	20.0
9,10-Dimethylanth...	12.53	3.8	ng	44588	4	11.48	235528	20.0
Cyclopenta(def)ph...	12.63	3.0	ng	35714	4	11.48	235528	20.0
Pyrene, 1-methyl-	13.15	2.4	ng	59011	5	14.14	499178	20.0
Anthracene, 1,8-d...	13.94	4.8	ng	118779	5	14.14	499178	20.0
unknown14.25	14.25	2.8	ng	68687	5	14.14	499178	20.0
Benzo[e]pyrene	15.54	10.2	ng	100794	6	15.68	198514	20.0