LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107820.D
Acq On : 31 Jul 2018 00:20
Operator : JU/SJ
Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

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-BF073018.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	5.184	481	484	494	rBV	328503	379274	9.44%	0.700%
2	5.595	551	554	573	rBV	1059514	1830376	45.54%	3.376%
3	6.601	722	725	744	rBV	1036861	2059998	51.25%	3.800%
4	6.736	744	748	771	rVB	1712891	2378614	59.17%	4.388%
5	6.960	783	786	808	rBV	776227	1134489	28.22%	2.093%
6	7.113	808	812	828	rVV	1575348	1751785	43.58%	3.231%
7	7.219	828	830	837	rVB2	36923	49664	1.24%	0.092%
8	7.448	861	869	879	rBV	119395	294562	7.33%	0.543%
9	7.525	879	882	906	rVV	665607	1293343	32.18%	2.386%
10	8.031	964	968	974	rBV7	29631	48635	1.21%	0.090%
11	8.189	992	995	999	rBV3	51989	68292	1.70%	0.126%
12	8.242	1000	1004	1021	rVV	1242352	1513184	37.64%	2.791%
13	9.054	1139	1142	1149	rVB	37490	47941	1.19%	0.088%
14	9.313	1182	1186	1195	rBV	2226098	2349278	58.44%	4.334%
15	9.383	1196	1198	1202	rVB3	74156	81544	2.03%	0.150%
16	9.701	1248	1252	1259	rBV2	137906	203689	5.07%	0.376%
17	9.860	1275	1279	1284	rBV	154253	219960	5.47%	0.406%
18	9.901	1284	1286	1289	rVB2	76953	73059	1.82%	0.135%
19	10.001	1299	1303	1306	rBV	1389647	1343633	33.43%	2.479%
20	10.030	1306	1308	1315	rVB	334597	351293	8.74%	0.648%
21	10.313	1352	1356	1359	rBV3	49346	74195	1.85%	0.137%
22	10.401	1368	1371	1374	rBV2	68240	74318	1.85%	0.137%
23	10.554	1393	1397	1402	rVB	133480	163608	4.07%	0.302%
24	10.624	1405	1409	1412	rVB3	58629	82234	2.05%	0.152%
25	10.795	1434	1438	1450	rBV	995591	1308127	32.54%	2.413%
26	10.895	1450	1455	1458	rVV	100821	136603	3.40%	0.252%
27	11.248	1513	1515	1520	rVB6	39046	41916	1.04%	0.077%
28	11.330	1527	1529	1531	rBV2	54175	42749	1.06%	0.079%
29	11.360	1531	1534	1536	rVV	79568	71823	1.79%	0.132%
30	11.395	1537	1540	1547	rVB	67748	86971	2.16%	0.160%
31	11.495	1553	1557	1559	rBV	1076215	1122977	27.94%	2.072%
32	11.519	1559	1561	1568	rVV	1791324	1933638	48.10%	3.567%
33	11.571	1568	1570	1580	rVB	469752	648082	16.12%	1.195%
34	11.742	1596	1599	1600	rBV2	64836	74486	1.85%	0.137%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

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-BF073018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.001	1639	1643	1645	rBV	182865	223076	5.55%	0.411%
36	12.024	1645	1647	1650	rVV	216494	237290	5.90%	0.438%
37	12.077	1653	1656	1658	rVV	99913	118275	2.94%	0.218%
38	12.113	1658	1662	1669	rVV2	424955	615787	15.32%	1.136%
39	12.166	1669	1671	1674	rVB2	62524	55676	1.39%	0.103%
40	12.271	1686	1689	1690	rBV	108832	86201	2.14%	0.159%
41	12.295	1690	1693	1696	rVV2	153062	176849	4.40%	0.326%
42	12.348	1699	1702	1705	rVB	190348	166001	4.13%	0.306%
43	12.383	1706	1708	1712	rVB2	81691	81905	2.04%	0.151%
44	12.424	1712	1715	1716	rBV2	48476	51735	1.29%	0.095%
45	12.448	1717	1719	1721	rVB2	77180	63517	1.58%	0.117%
46	12.495	1725	1727	1730	rBV2	85090	66698	1.66%	0.123%
47	12.524	1730	1732	1734	rBV	134657	144687	3.60%	0.267%
48	12.548	1734	1736	1739	rVB2	118494	117096	2.91%	0.216%
49	12.607	1743	1746	1748	rVB	173958	167323	4.16%	0.309%
50	12.648	1748	1753	1755	rBV2	195138	264970	6.59%	0.489%
51	12.718	1759	1765	1776	rBV	3219581	3745463	93.18%	6.909%
52	12.871	1788	1791	1792	rBV	122887	123568	3.07%	0.228%
53	12.948	1797	1804	1810	rBV	3060723	4019675	100.00%	7.415%
54	12.995	1810	1812	1815	rVB2	195035	198595	4.94%	0.366%
55	13.077	1822	1826	1836	rVB	1928847	2051085	51.03%	3.784%
56	13.160	1836	1840	1846	rVB2	186120	345970	8.61%	0.638%
57	13.271	1852	1859	1865	rBV	437575	767864	19.10%	1.416%
58	13.342	1867	1871	1874	rBV	341851	380131	9.46%	0.701%
59	13.377	1874	1877	1880	rBV2	244802	244281	6.08%	0.451%
60	13.471	1890	1893	1896	rBV	240782	236965	5.90%	0.437%
61	13.501	1896	1898	1907	rVB3	236924	374381	9.31%	0.691%
62	13.624	1917	1919	1922	rBV2	87619	103257	2.57%	0.190%
63	13.789	1944	1947	1951	rVB2	127604	146519	3.65%	0.270%
64	13.901	1960	1966	1968	rBV2	311932	467048	11.62%	0.862%
65	13.924	1968	1970	1972	rVV	257654	240874	5.99%	0.444%
66	13.954	1972	1975	1980	rVV3	360172	514236	12.79%	0.949%
67	14.148	2003	2008	2011	rBV2	1998891	3492315	86.88%	6.442%
68	14.177	2011	2013	2020	rVB	1824922	1910058	47.52%	3.523%
69	14.254	2024	2026	2032	rBV2	450989	504897	12.56%	0.931%
70	14.495	2065	2067	2069	rBV	121493	120905	3.01%	0.223%
71	14.536	2072	2074	2077	rVB	299195	291610	7.25%	0.538%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

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-BF073018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.665	2094	2096	2098	rBV	154606	134258	3.34%	0.248%
73	15.230	2188	2192	2195	rBV	1210402	2061578	51.29%	3.803%
74	15.342	2208	2211	2217	rVB	287851	370767	9.22%	0.684%
75	15.554	2243	2247	2254	rBV	762191	1094424	27.23%	2.019%
76	15.624	2254	2259	2266	rBV	1128897	1788059	44.48%	3.298%
77	15.689	2267	2270	2273	rBV	453698	540332	13.44%	0.997%
78	17.271	2534	2539	2549	rVB2	432799	982249	24.44%	1.812%
79	17.753	2617	2621	2641	rVB	365405	987951	24.58%	1.822%

Sum of corrected areas: 54210741

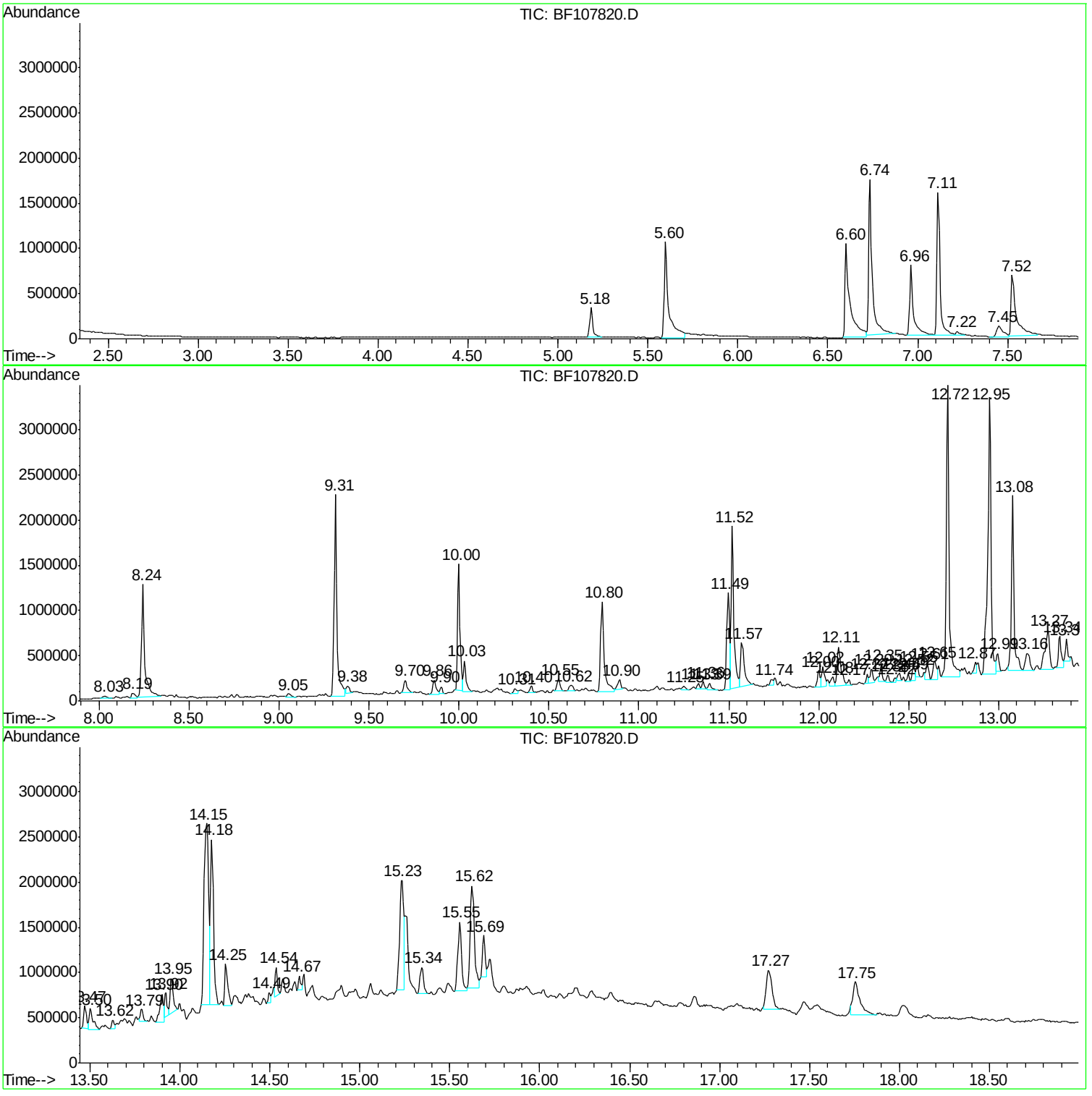
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107820.D
Acq On : 31 Jul 2018 00:20
Operator : JU/SJ
Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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\BF073018\
Data File : BF107820.D
Acq On : 31 Jul 2018 00:20
Operator : JU/SJ
Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

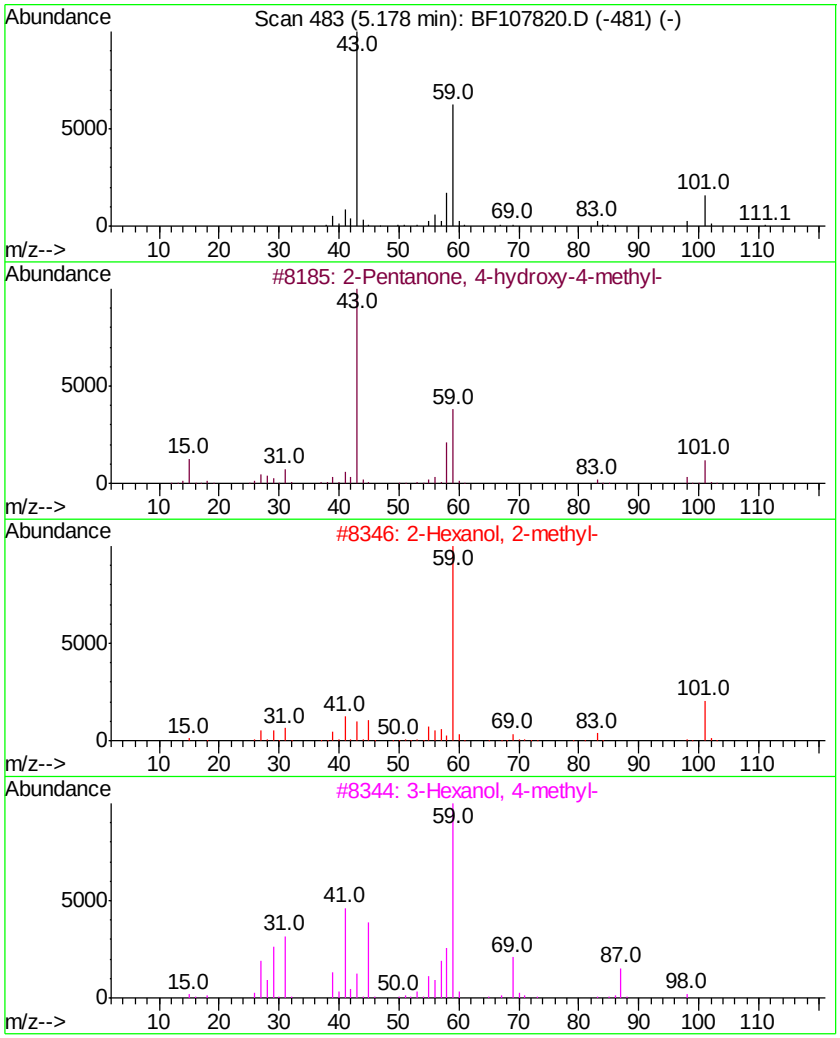
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

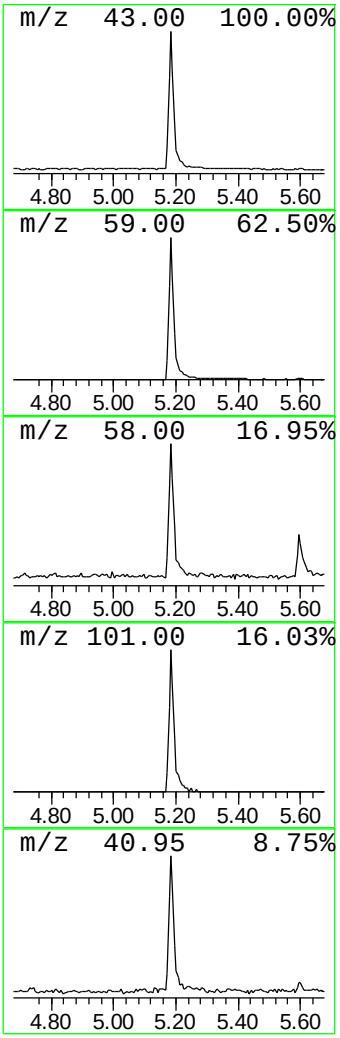
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	6.69 ng	379274	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107820.D
Acq On : 31 Jul 2018 00:20
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Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

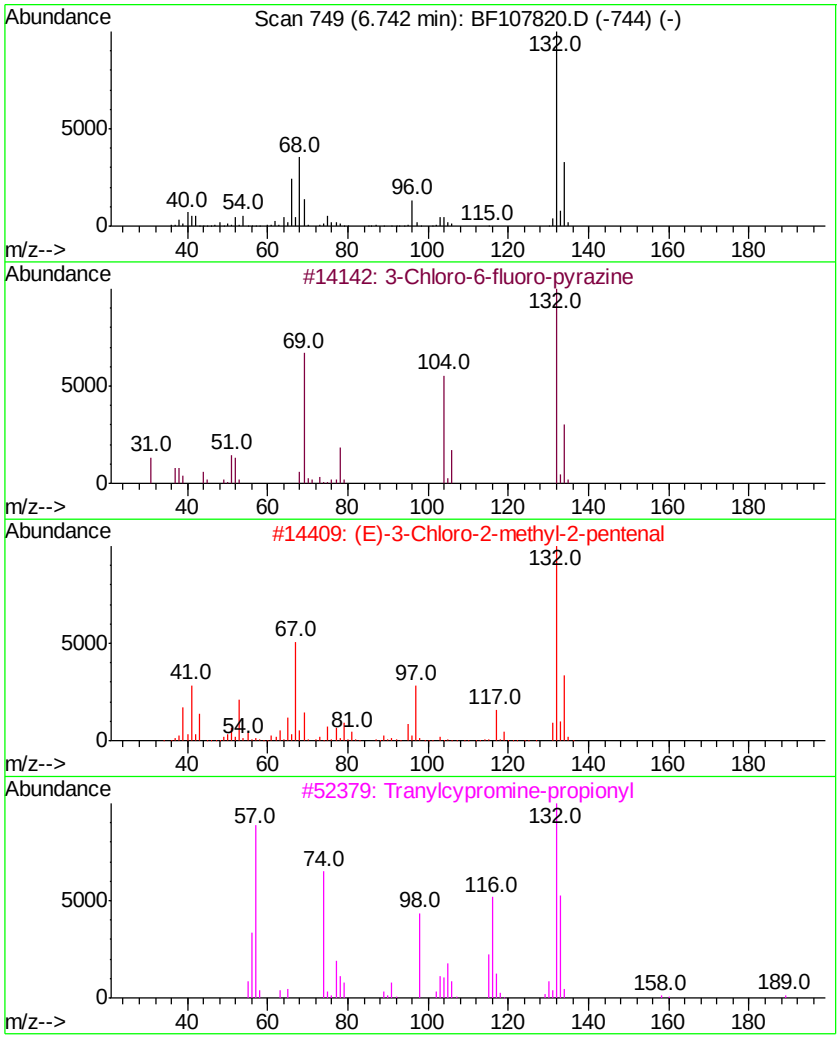
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

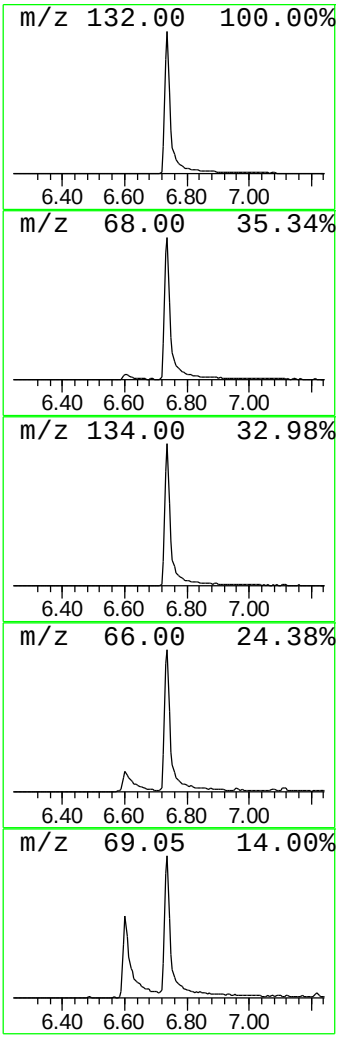
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	41.93 ng	2378610	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
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Instrument : BNA_F
ClientSampleId : SU-03-072718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

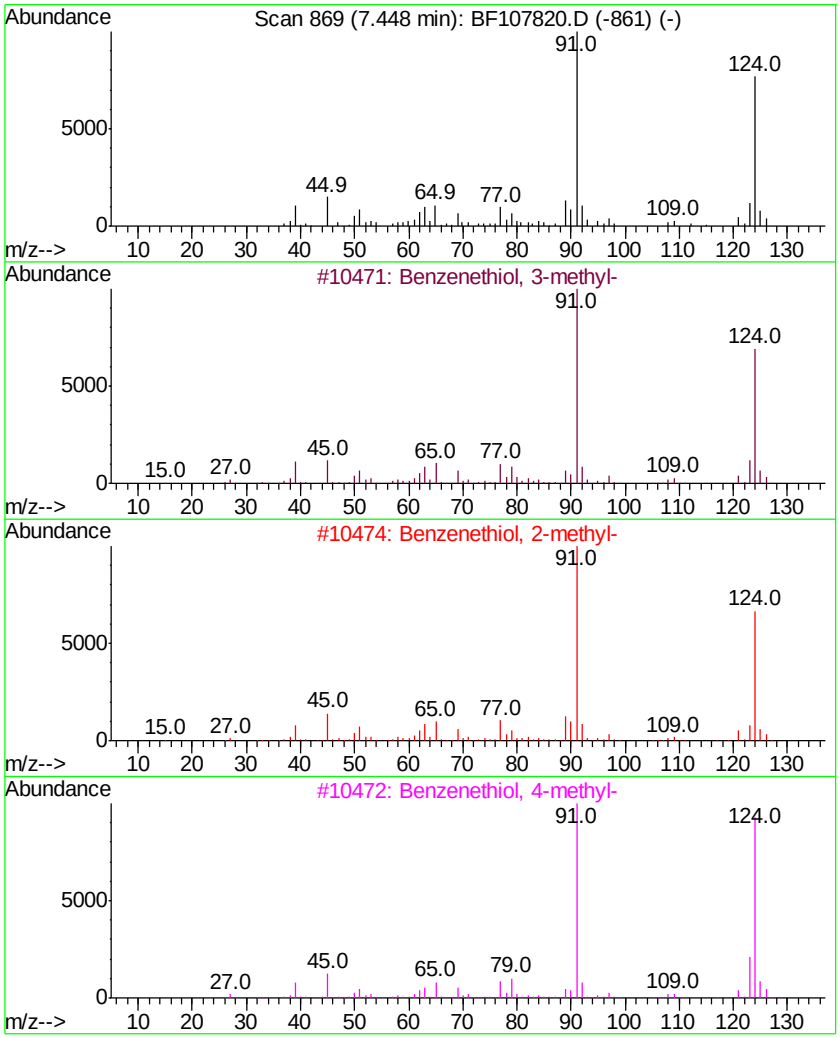
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

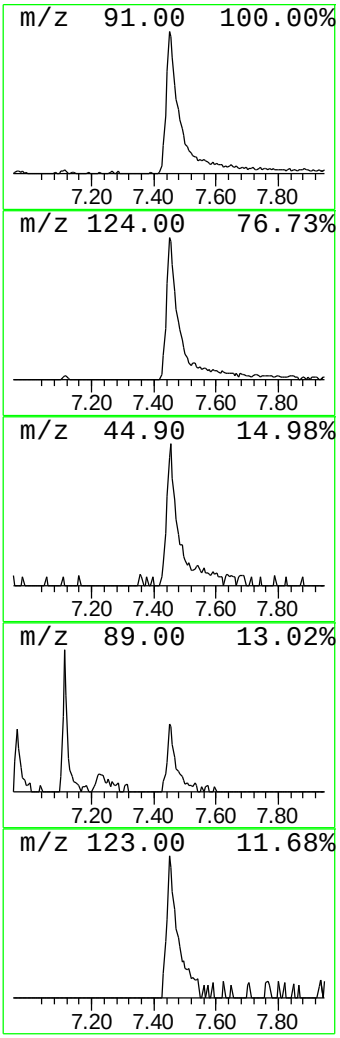
****

Peak Number 4 Benzenethiol, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	5.19 ng	294562	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenethiol, 3-methyl-	124	C7H8S	000108-40-7	97
2	Benzenethiol, 2-methyl-	124	C7H8S	000137-06-4	96
3	Benzenethiol, 4-methyl-	124	C7H8S	000106-45-6	87
4	Benzenemethanethiol	124	C7H8S	000100-53-8	80
5	Benzeneacetic acid, 2-methoxyphe...	242	C15H14O3	004112-89-4	53





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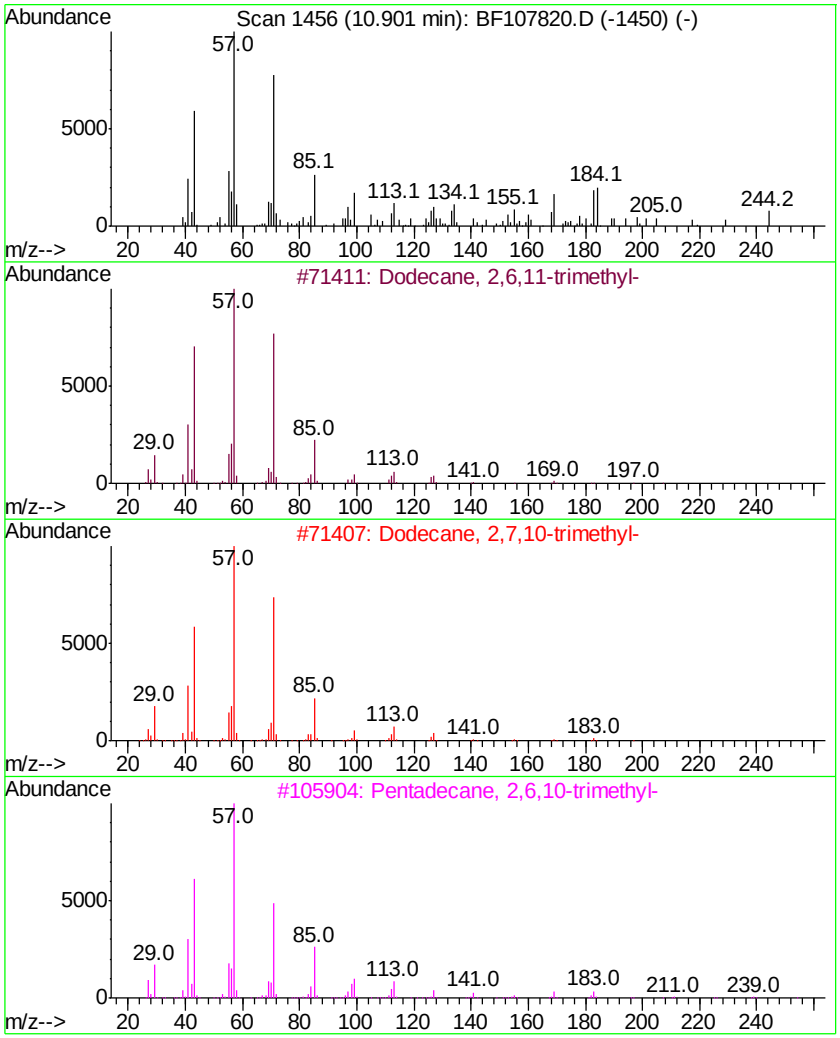
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

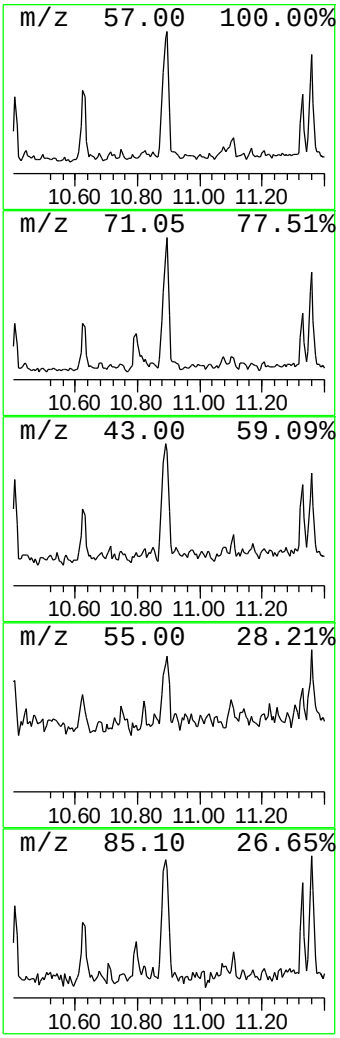
****

Peak Number 5 Dodecane, 2,6,11-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	2.43 ng	136603	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
4	Tridecane, 2-methyl-	198	C14H30	001560-96-9	72
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
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Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

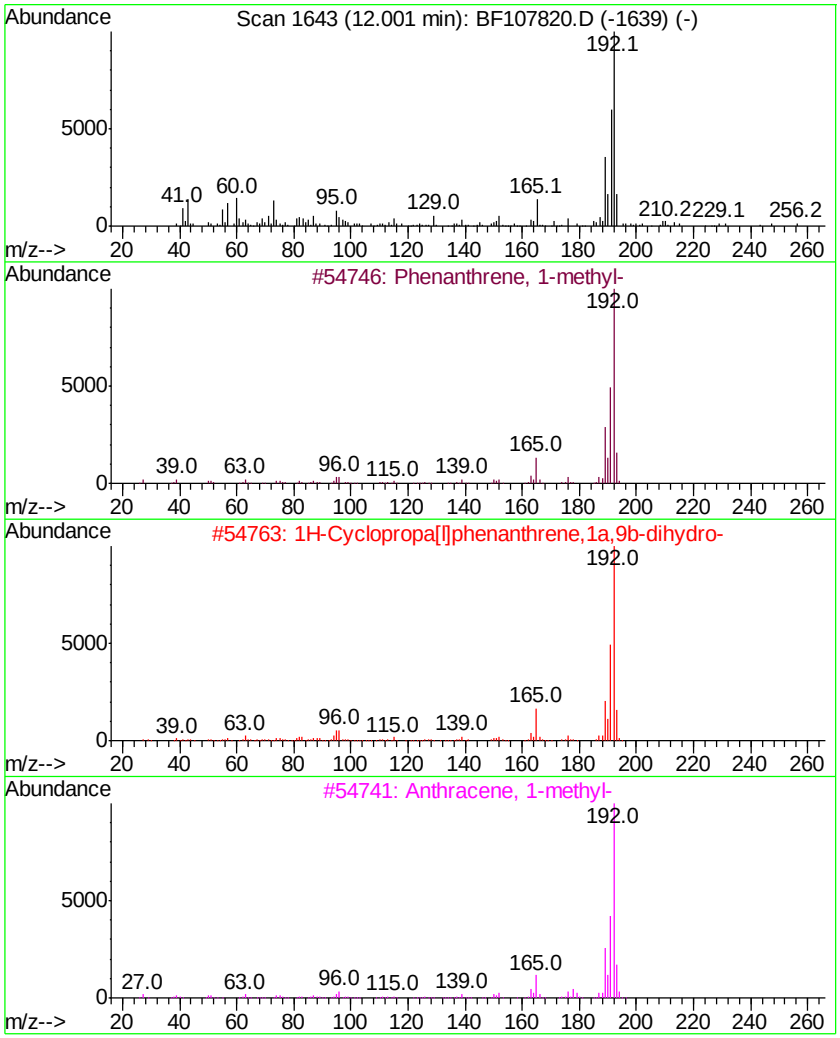
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

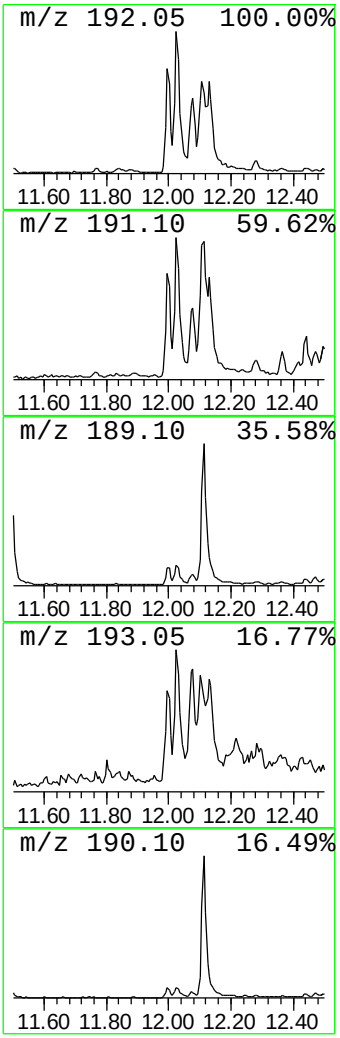
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.97 ng	223076	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107820.D
Acq On : 31 Jul 2018 00:20
Operator : JU/SJ
Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

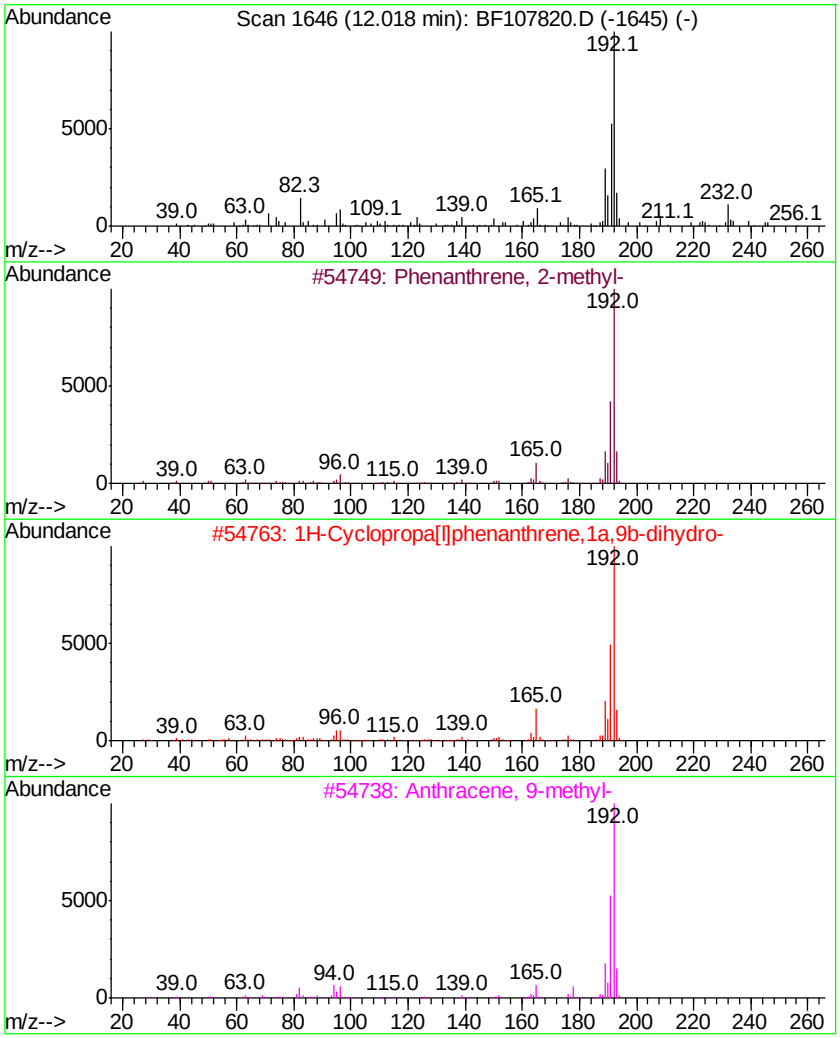
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

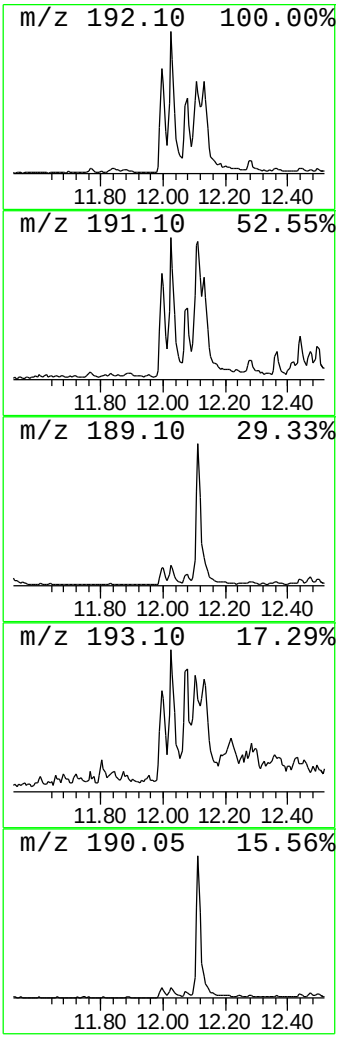
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.23 ng	237290	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Acq On : 31 Jul 2018 00:20
Operator : JU/SJ
Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

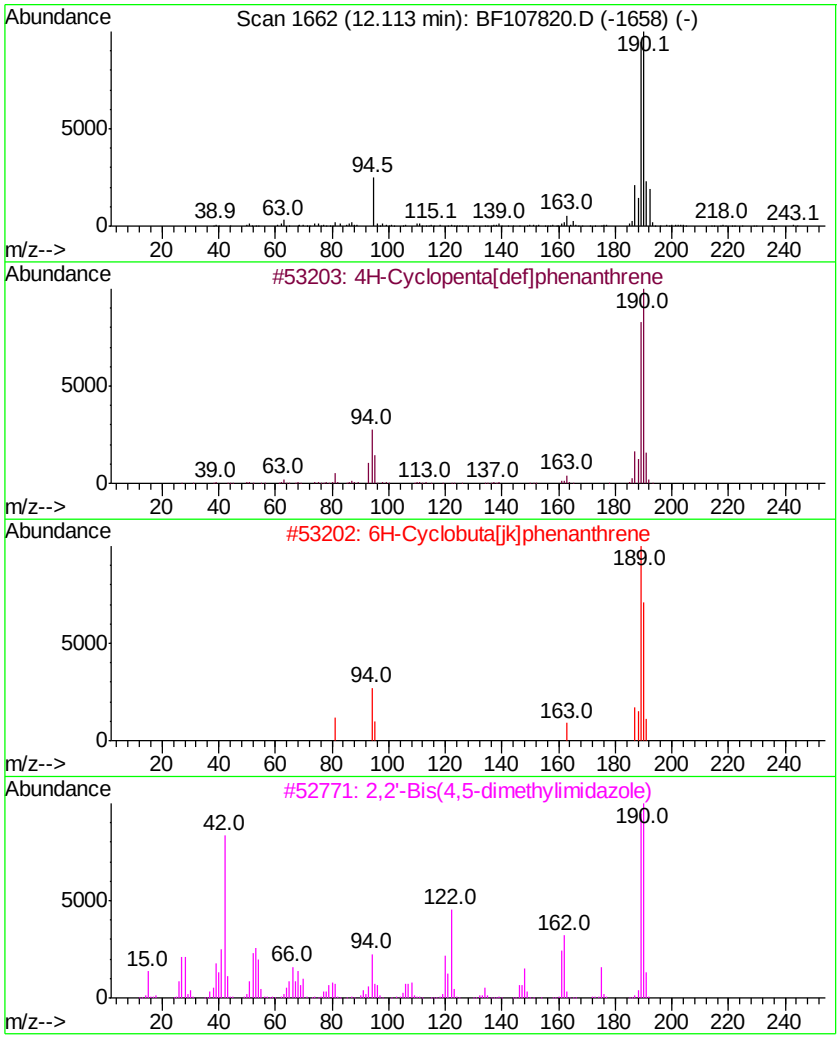
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

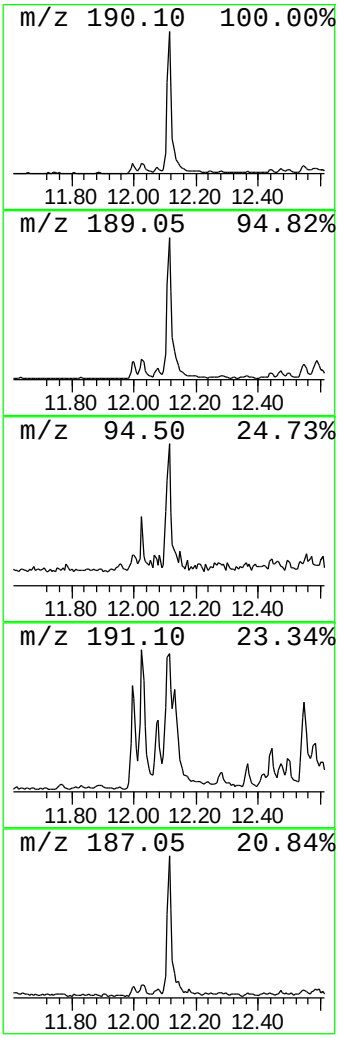
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	10.97 ng	615787	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	Methyl diselenide	190	C2H6Se2	007101-31-7	22





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Instrument : BNA_F
ClientSampleId : SU-03-072718

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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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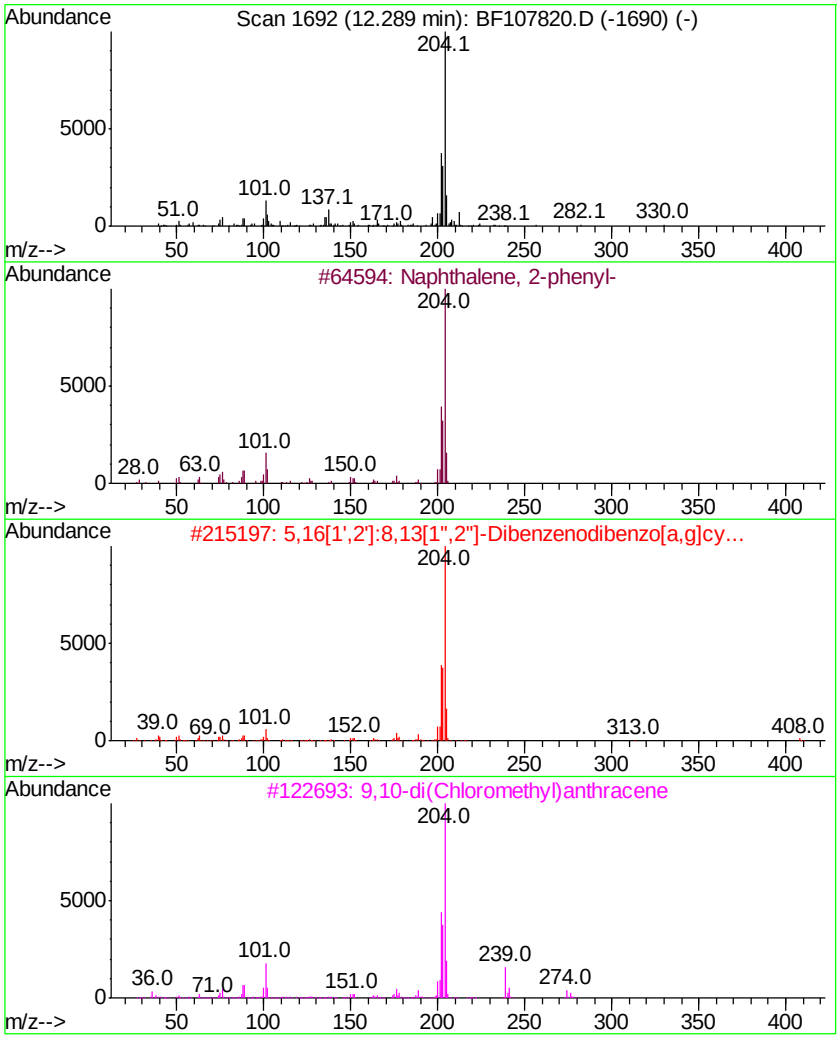
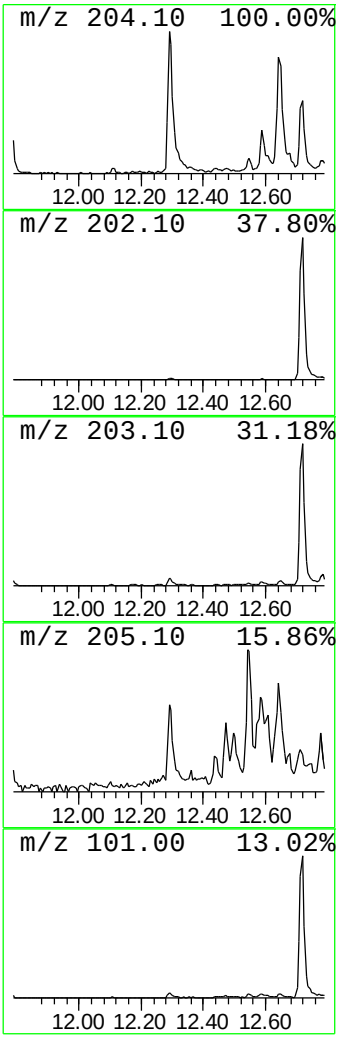
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.15 ng	176849	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	68
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	59
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	55
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49





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ClientSampleId : SU-03-072718

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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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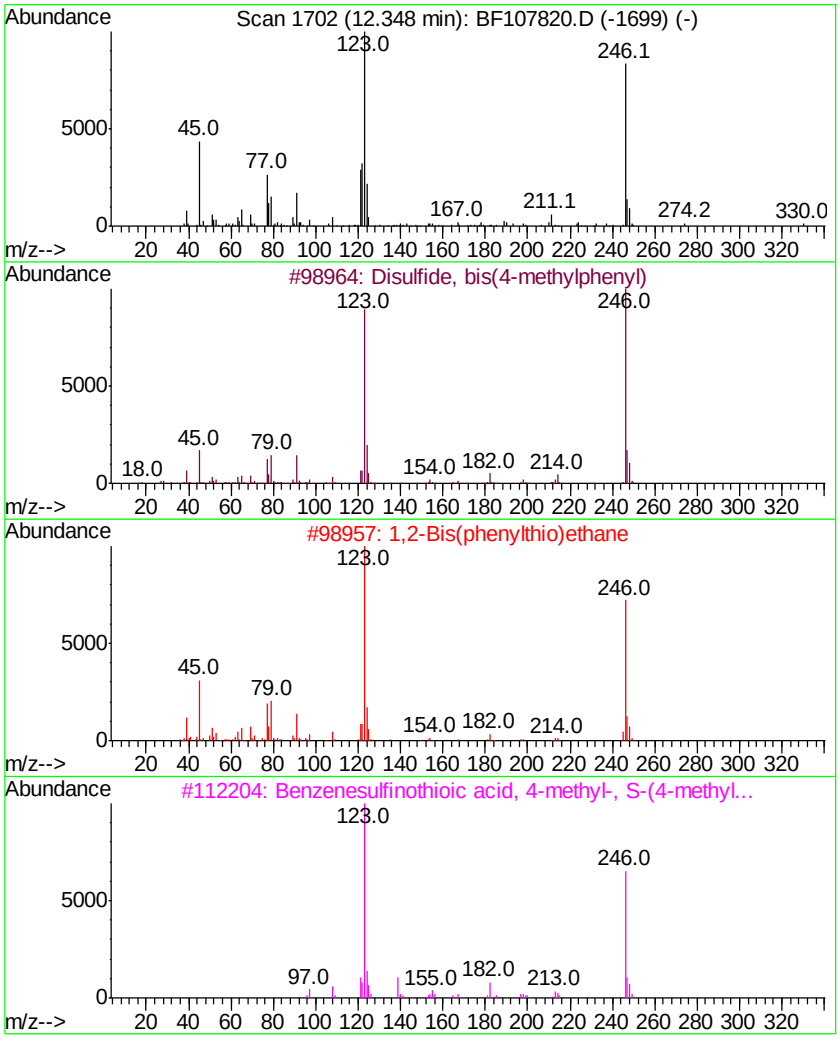
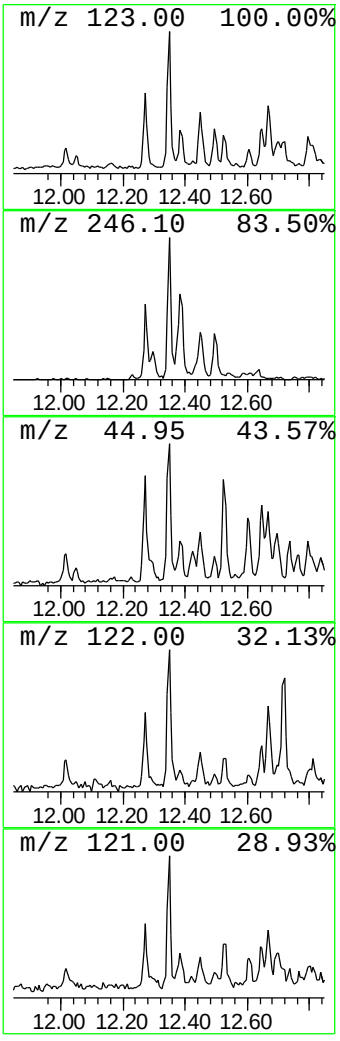
Peak Number 10 Disulfide, bis(4-methylphenyl) Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	2.96 ng	166001	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, bis(4-methylphenyl)	246	C14H14S2	000103-19-5	90
2	1,2-Bis(phenylthio)ethane	246	C14H14S2	000622-20-8	90
3	Benzenesulfinothioic acid, 4-met...	262	C14H14OS2	006481-73-8	56
4	D-Tyrosine, 3-hydroxy-	197	C9H11NO4	005796-17-8	37
5	Benzeneethanol, .beta.-mercapto-	154	C8H10OS	060615-96-5	25





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Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

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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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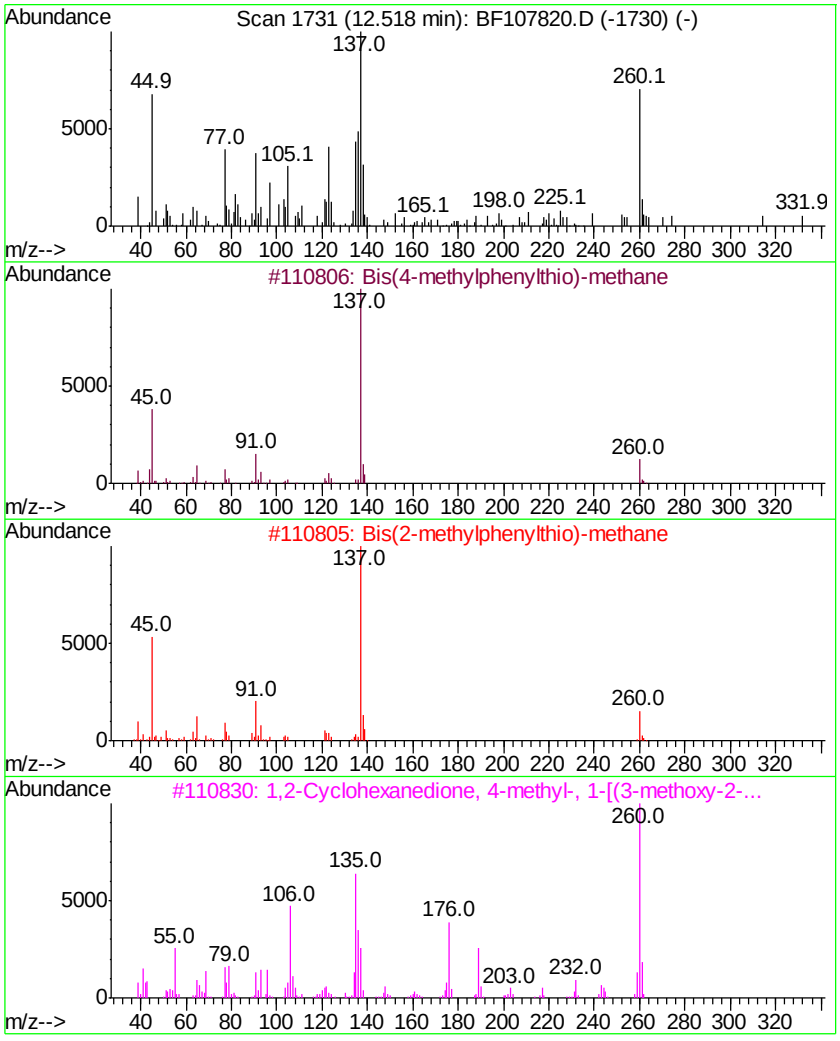
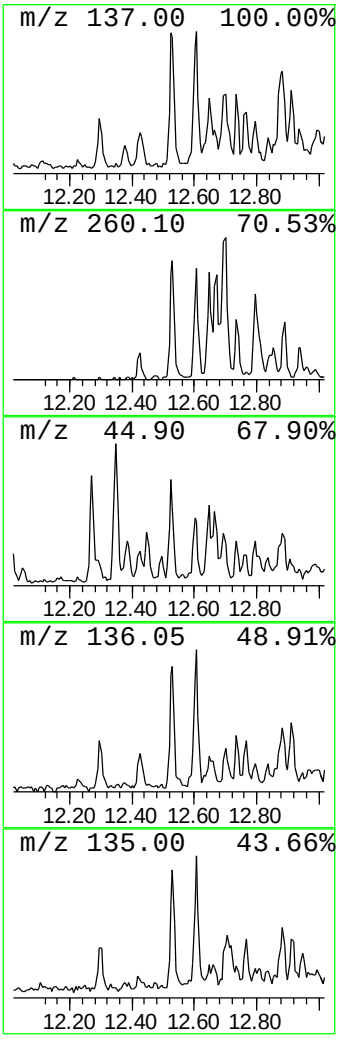
Peak Number 11 unknown12.52 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.58 ng	144687	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(4-methylphenylthio)-methane	260	C15H16S2	017241-04-2	47
2	Bis(2-methylphenylthio)-methane	260	C15H16S2	069984-33-4	47
3	1,2-Cyclohexanedione, 4-methyl-,...	260	C15H20N2O2	1000221-48-2	35
4	2,2',4-Trihydroxy-4'-methoxybenz...	260	C14H12O5	1000370-32-4	25
5	6-Oxo-6H-pyran-3-carboxylic acid...	260	C12H8N2O5	1000303-07-5	22





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-03-072718

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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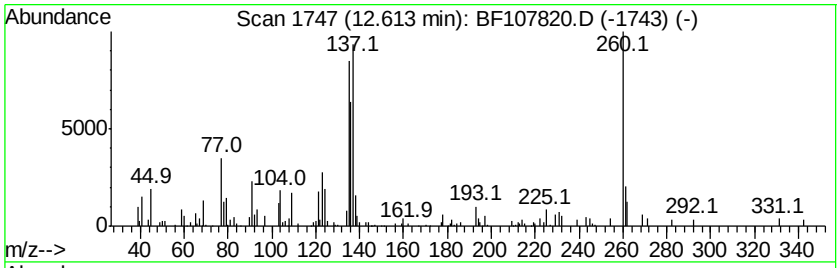
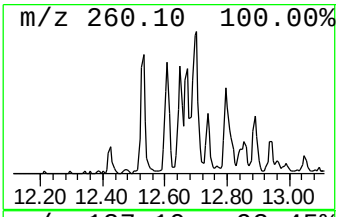
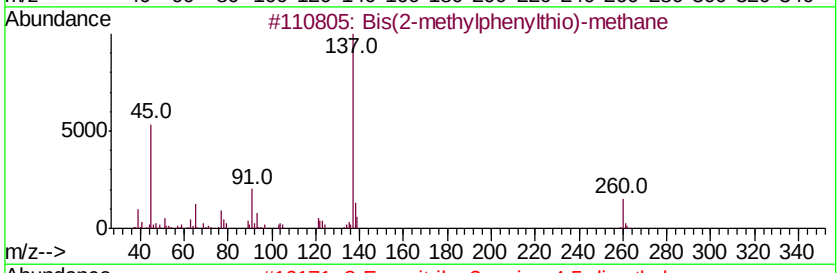
Peak Number 12 Bis(2-methylphenylthio)-met... Concentration Rank 13

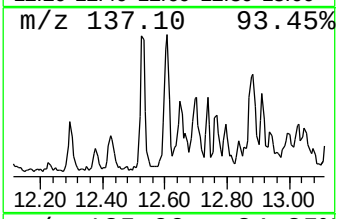
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	2.98 ng	167323	Phenanthrene-d10	11.49

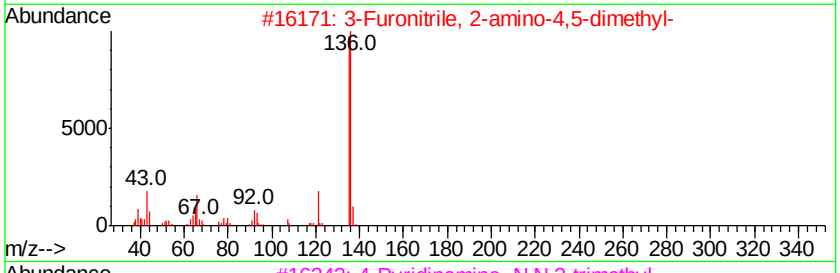
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(2-methylphenylthio)-methane	260	C15H16S2	069984-33-4	55
2	3-Furonitrile, 2-amino-4,5-dimet...	136	C7H8N2O	005117-88-4	25
3	4-Pyridinamine, N,N,2-trimethyl-	136	C8H12N2	037941-24-5	25
4	Piperonal, 6-(4-methoxy-1-cycloh...	260	C15H16O4	016831-73-5	25
5	4-Hydroxy-2-methylbenzaldehyde	136	C8H8O2	041438-18-0	25

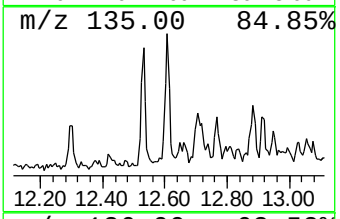


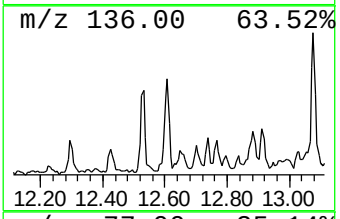


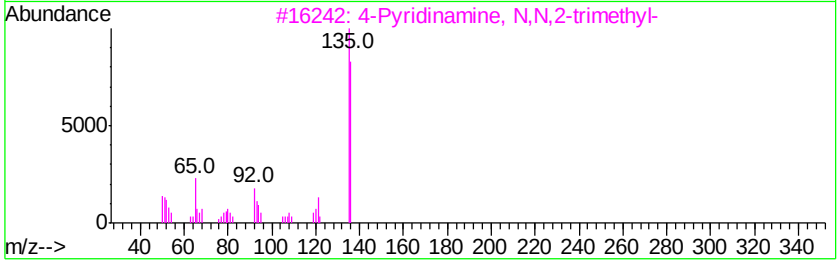


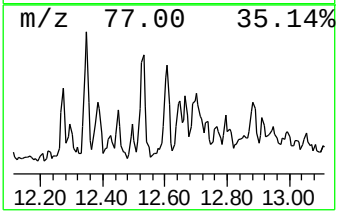












Library Search Compound Report

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Acq On : 31 Jul 2018 00:20
Operator : JU/SJ
Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

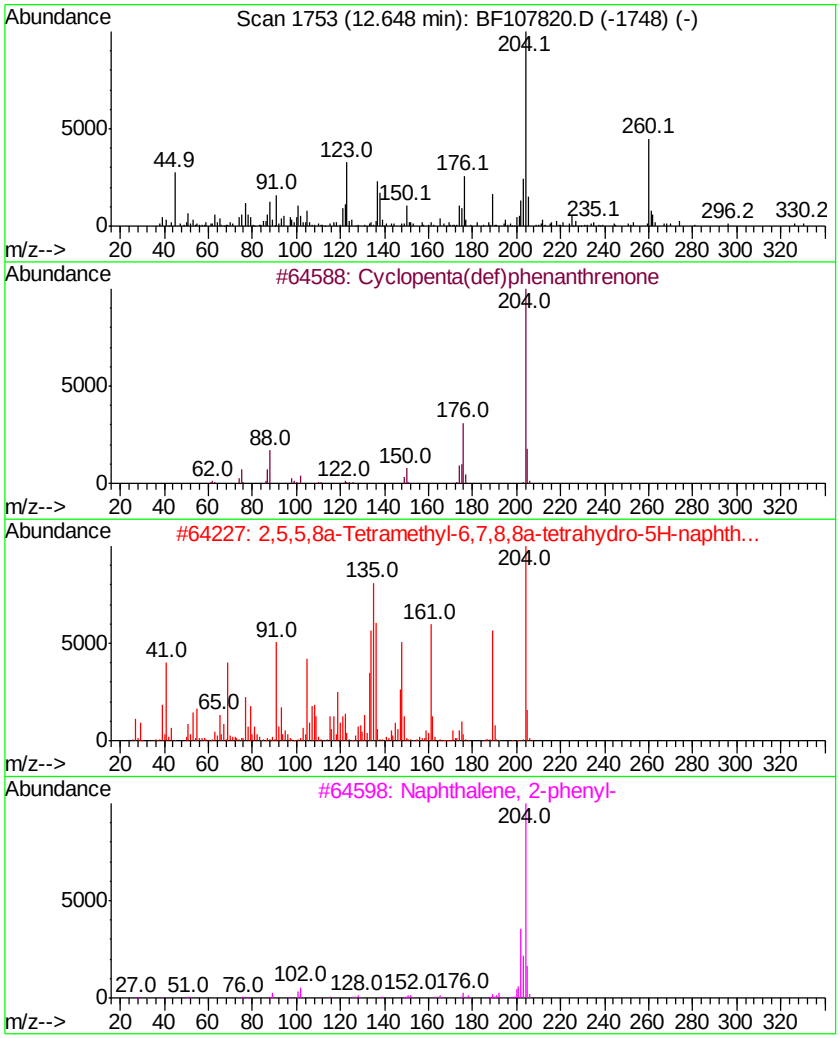
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

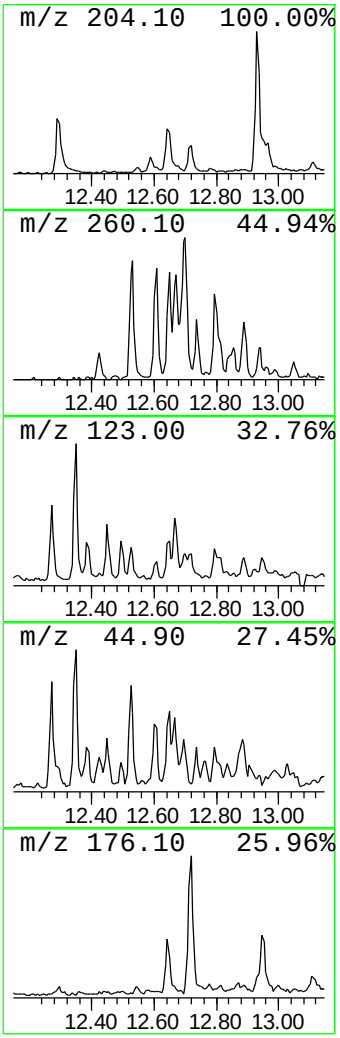
****

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	4.72 ng	264970	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	42
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	41
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
5	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	37





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Instrument : BNA_F
ClientSampleId : SU-03-072718

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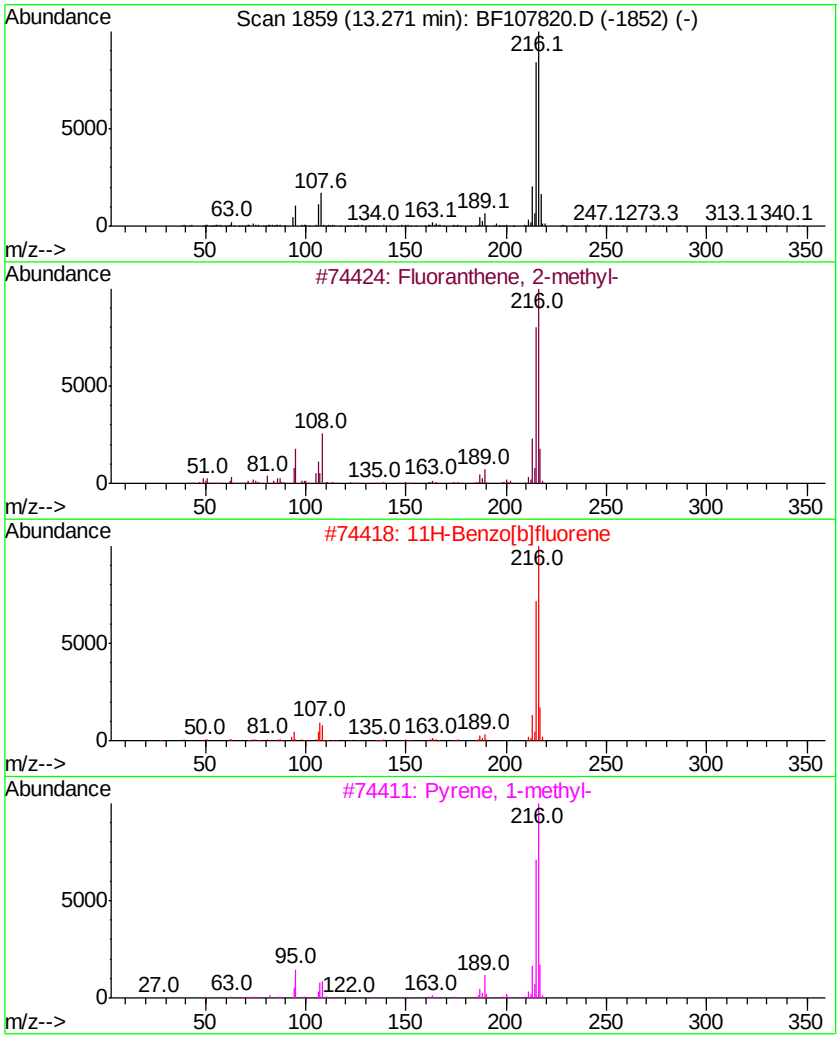
TIC Integration Parameters: LSCINT.P

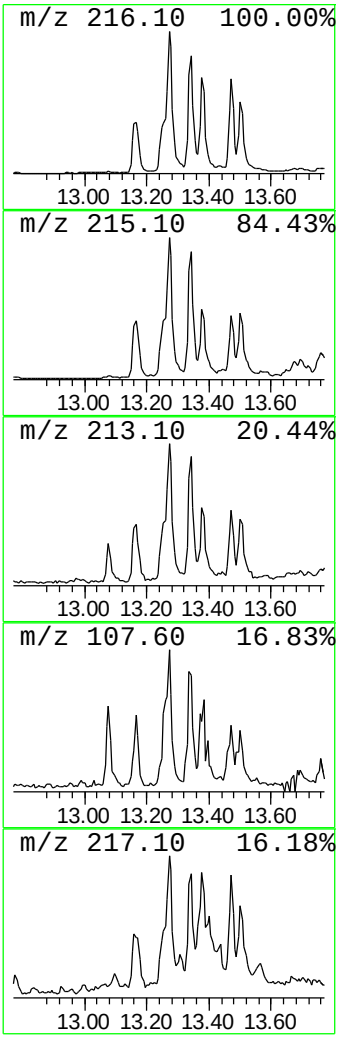
****

Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	4.40 ng	767864	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-03-072718

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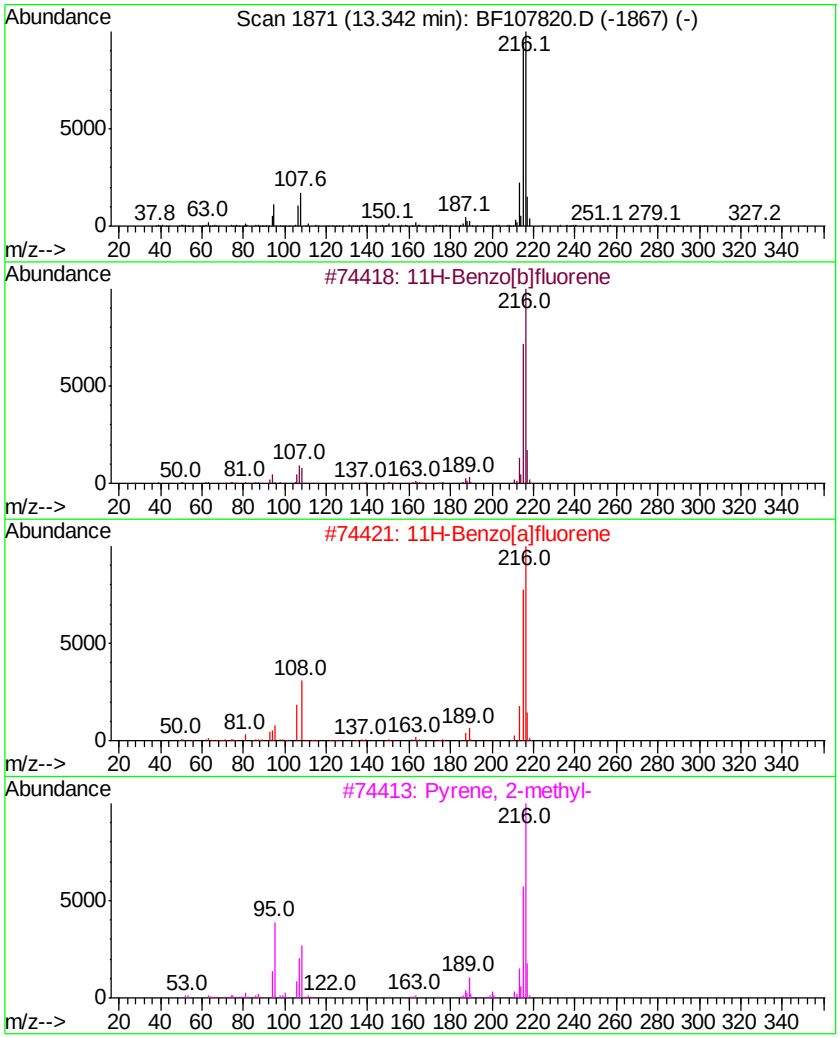
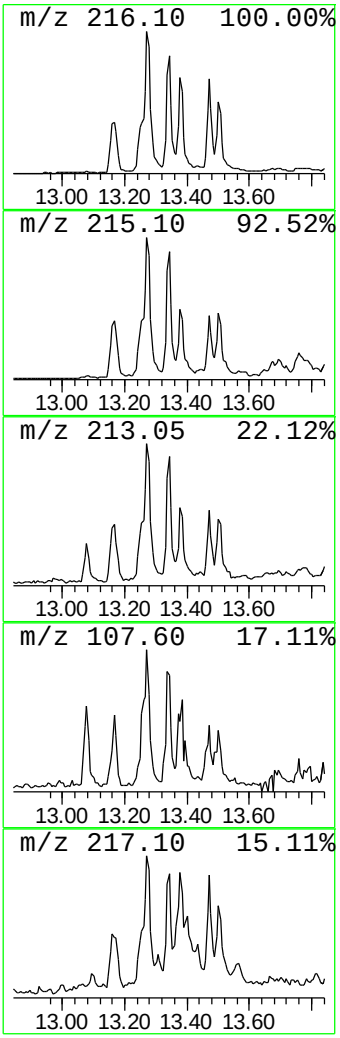
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.18 ng	380131	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





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ClientSampleId : SU-03-072718

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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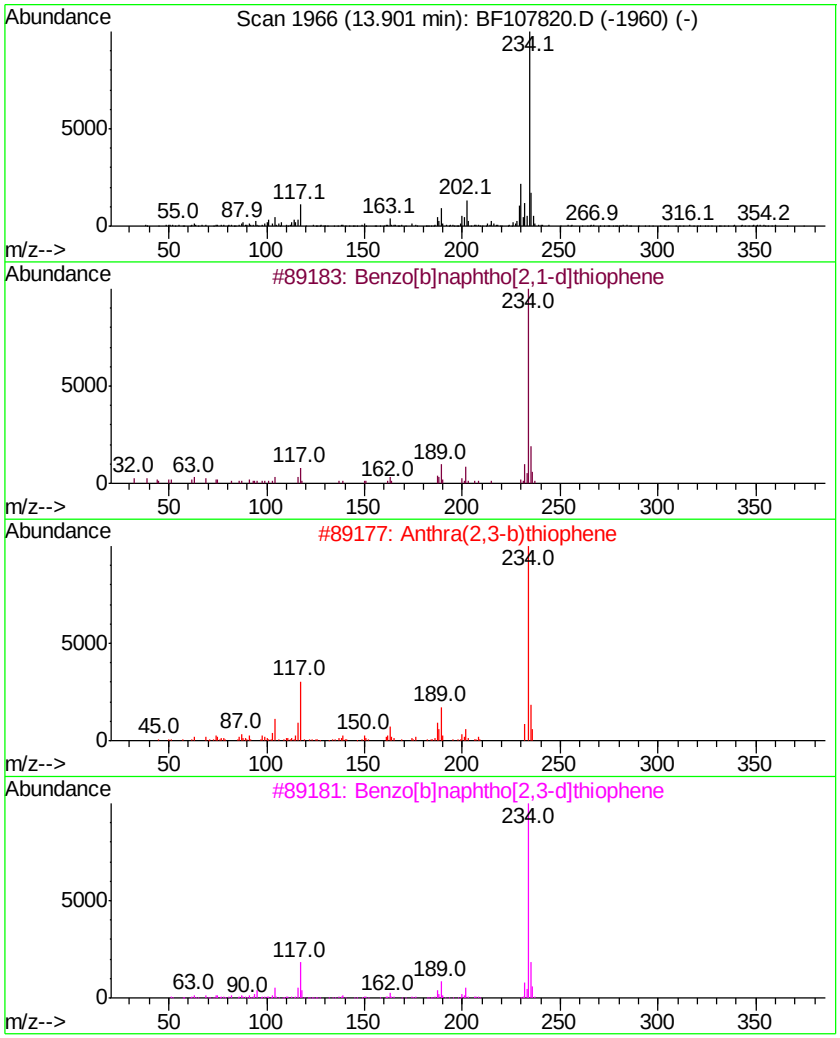
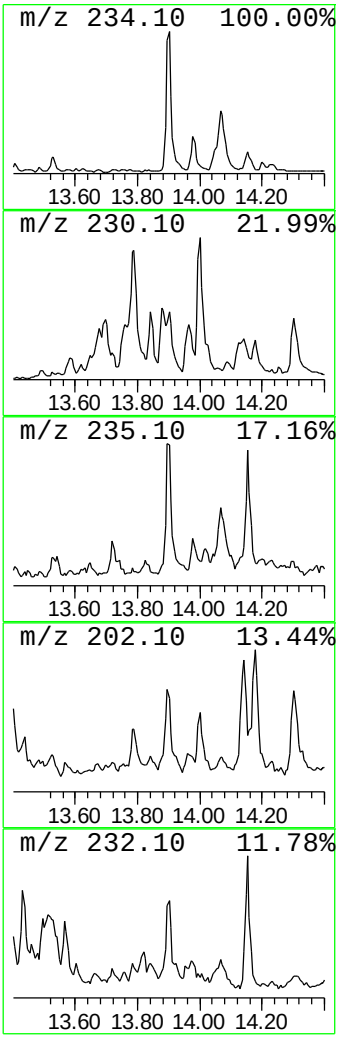
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	2.67 ng	467048	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	89
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
4	4H-Chromene-3-carboxylic acid et...	277	C15H19NO4	1000303-29-9	50
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	47





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ClientSampleId : SU-03-072718

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TIC Integration Parameters: LSCINT.P

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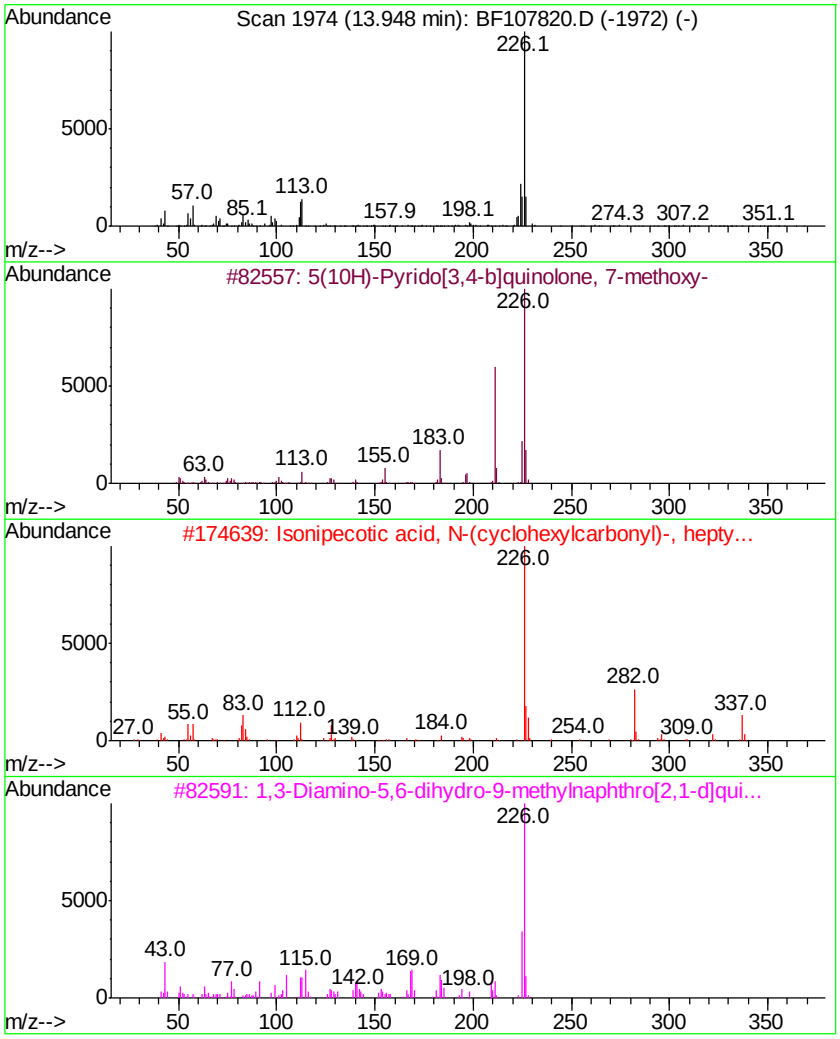
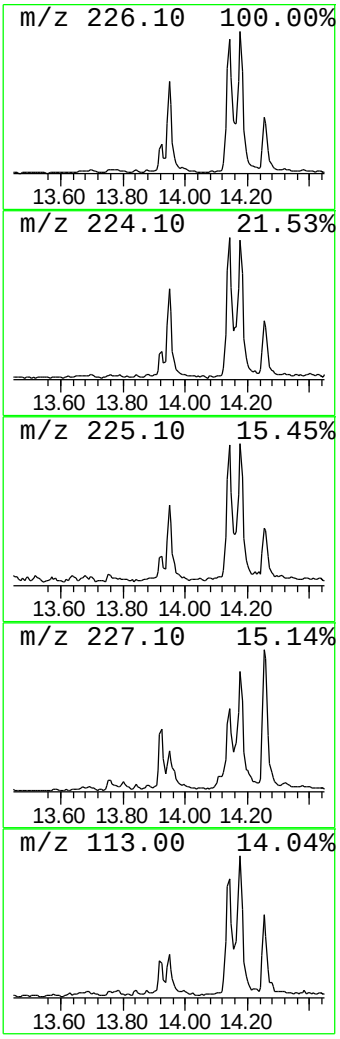
Peak Number 17 unknown13.95 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.94 ng	514236	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	46
2	Isonipecotic acid, N-(cyclohexyl...	337	C20H35NO3	1000361-03-0	43
3	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	37
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	37
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	32





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107820.D
Acq On : 31 Jul 2018 00:20
Operator : JU/SJ
Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

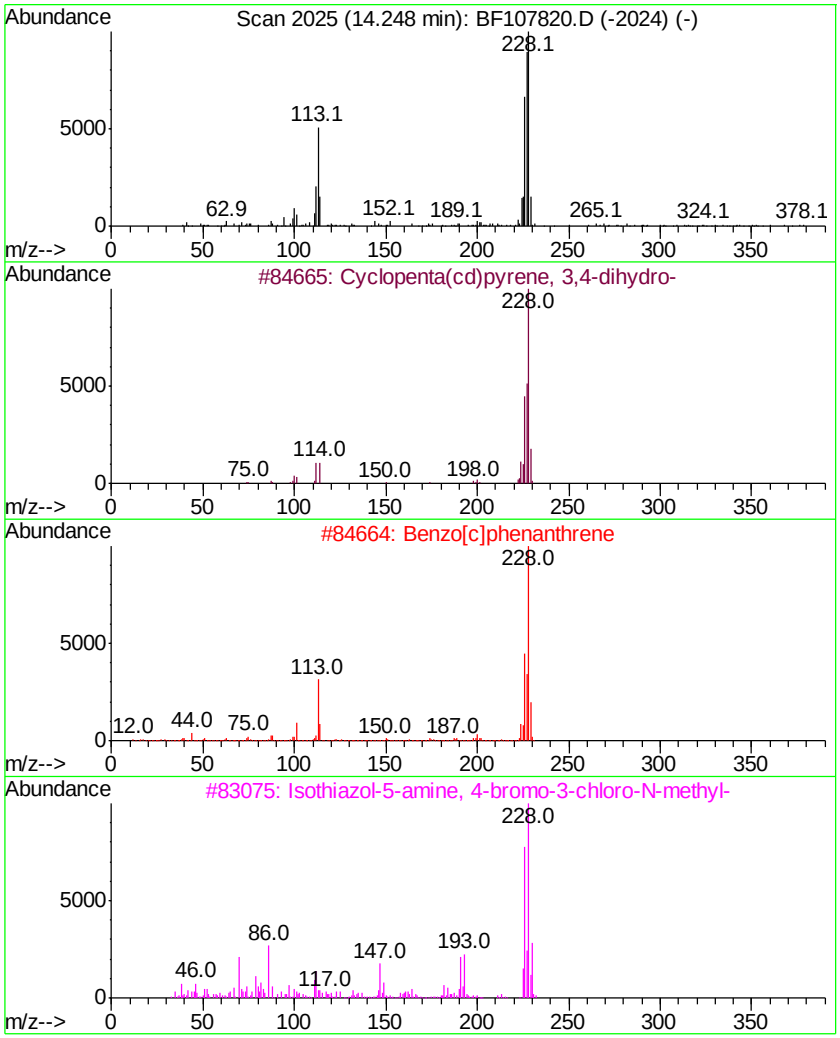
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

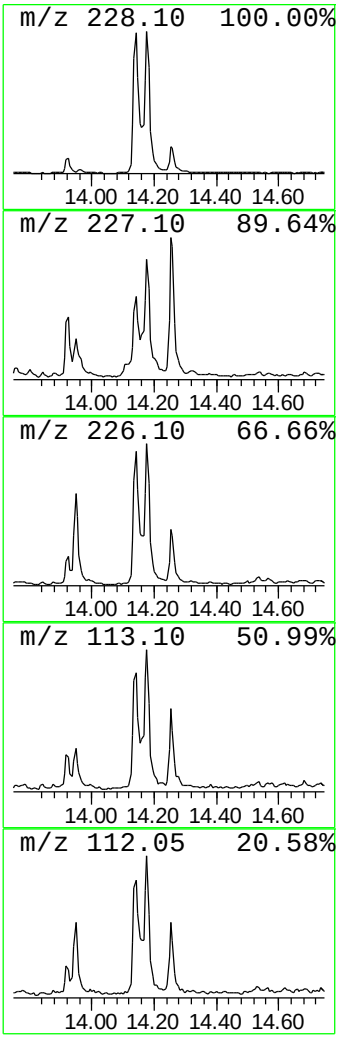
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	2.89 ng	504897	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	87
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	43
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	38
5	Triphenylene	228	C18H12	000217-59-4	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107820.D
Acq On : 31 Jul 2018 00:20
Operator : JU/SJ
Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

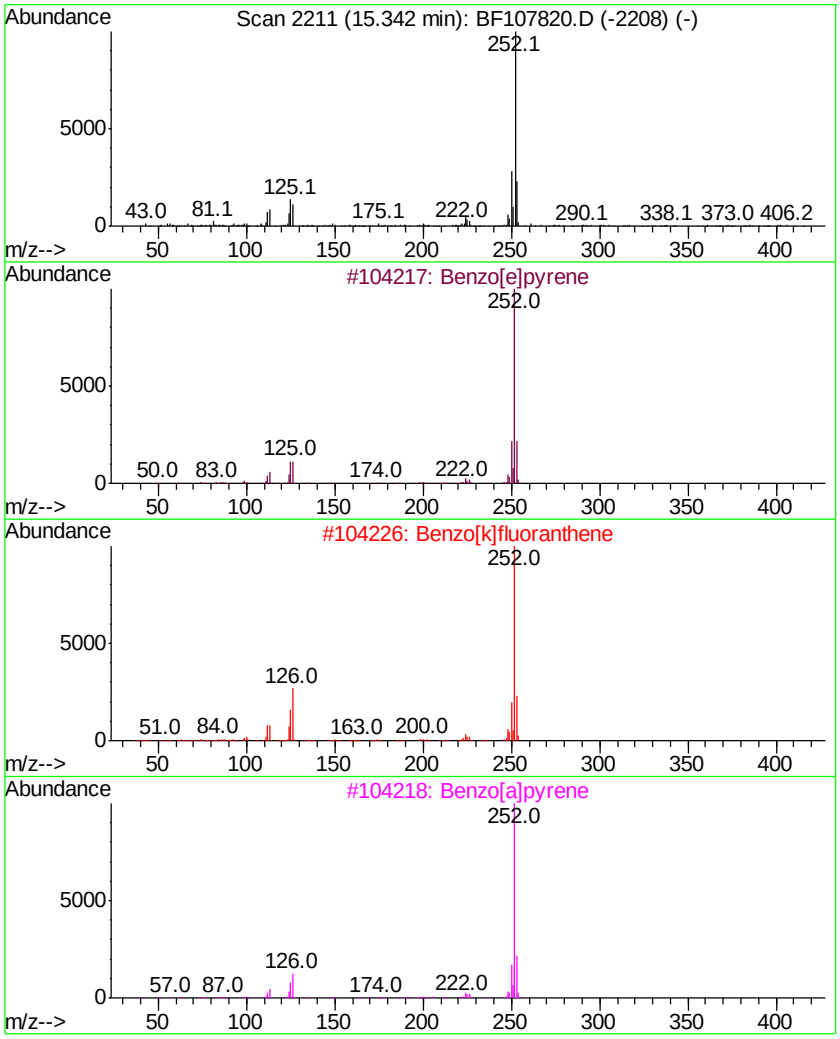
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

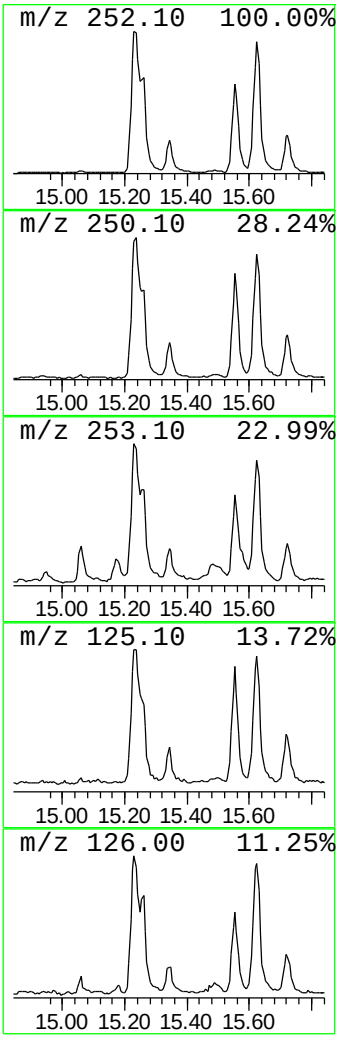
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	13.72 ng	370767	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107820.D
Acq On : 31 Jul 2018 00:20
Operator : JU/SJ
Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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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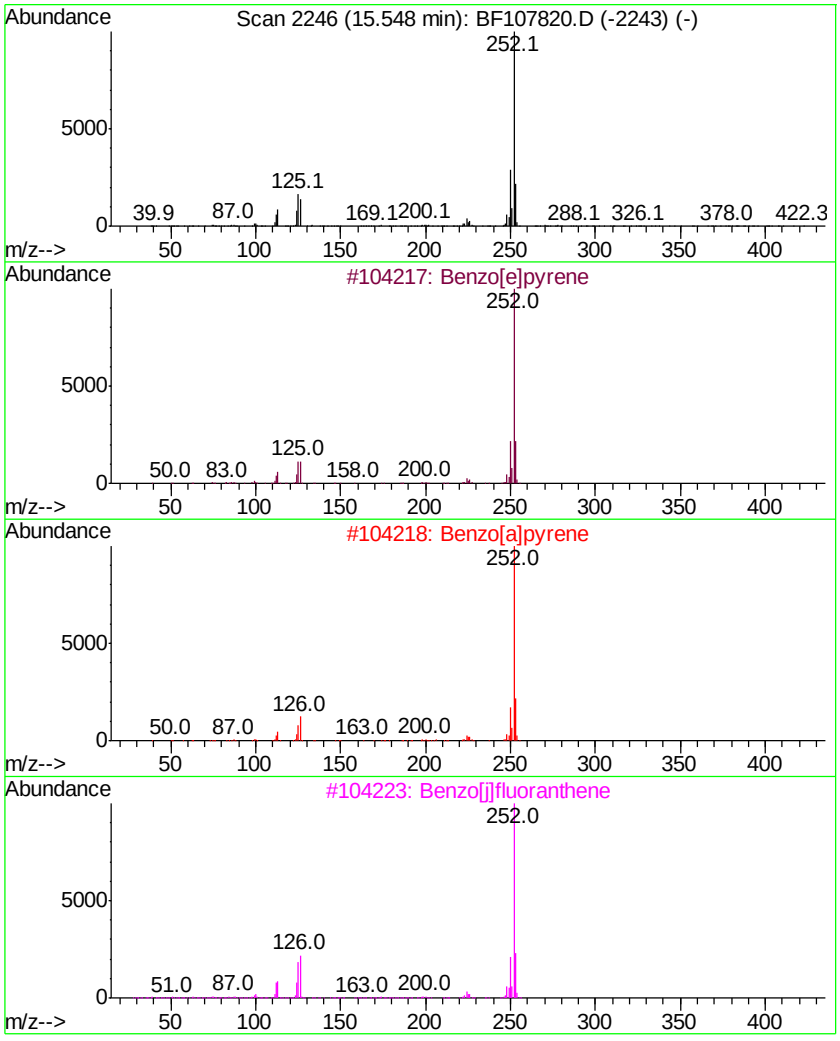
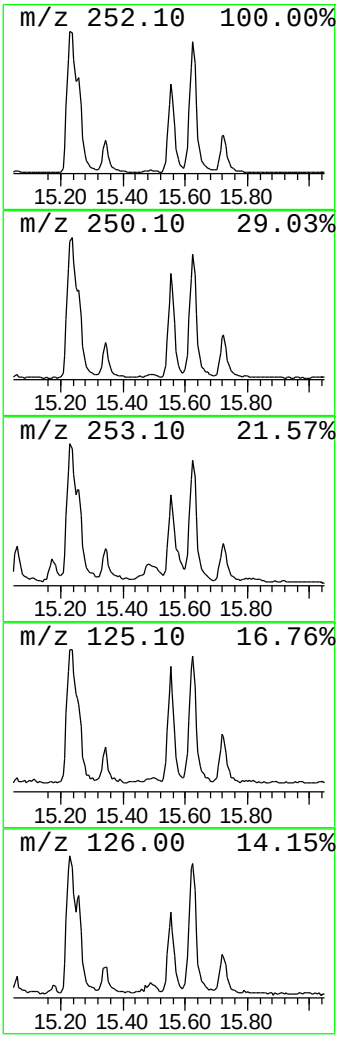
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	40.51 ng	1094420	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073018\
Data File : BF107820.D
Acq On : 31 Jul 2018 00:20
Operator : JU/SJ
Sample : J3831-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-072718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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	6.7	ng	379274	1	6.96	1134490	20.0
unknown6.74	6.74	41.9	ng	2378610	1	6.96	1134490	20.0
Benzenethiol, 3-m...	7.45	5.2	ng	294562	1	6.96	1134490	20.0
Dodecane, 2,6,11-...	10.90	2.4	ng	136603	4	11.49	1122980	20.0
Phenanthrene, 1-m...	12.00	4.0	ng	223076	4	11.49	1122980	20.0
Phenanthrene, 2-m...	12.02	4.2	ng	237290	4	11.49	1122980	20.0
4H-Cyclopenta[def...	12.11	11.0	ng	615787	4	11.49	1122980	20.0
Naphthalene, 2-ph...	12.29	3.1	ng	176849	4	11.49	1122980	20.0
Disulfide, bis(4-...	12.35	3.0	ng	166001	4	11.49	1122980	20.0
unknown12.52	12.52	2.6	ng	144687	4	11.49	1122980	20.0
Bis(2-methylpheny...	12.61	3.0	ng	167323	4	11.49	1122980	20.0
Cyclopenta(def)ph...	12.65	4.7	ng	264970	4	11.49	1122980	20.0
Fluoranthene, 2-m...	13.27	4.4	ng	767864	5	14.15	3492320	20.0
11H-Benzo[b]fluorene	13.34	2.2	ng	380131	5	14.15	3492320	20.0
Benzo[b]naphtho[2...	13.90	2.7	ng	467048	5	14.15	3492320	20.0
unknown13.95	13.95	2.9	ng	514236	5	14.15	3492320	20.0
Cyclopenta(cd)pyr...	14.25	2.9	ng	504897	5	14.15	3492320	20.0
Benzo[e]pyrene	15.34	13.7	ng	370767	6	15.69	540332	20.0
Benzo[j]fluoranthene	15.55	40.5	ng	1094420	6	15.69	540332	20.0