LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106701.D
Acq On : 22 Jun 2018 11:44
Operator : JU/SJ
Sample : J3603-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26KV-TP-9

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	4.101	295	300	307	rBB	310100	382631	25.65%	2.093%
2	5.201	483	487	497	rBV	122513	153982	10.32%	0.842%
3	5.607	552	556	559	rBV	1331369	1306098	87.55%	7.143%
4	6.607	721	726	729	rBV	1279926	1394665	93.49%	7.628%
5	6.737	744	748	751	rBV	1408544	1406819	94.30%	7.694%
6	6.960	782	786	789	rBV	508386	399628	26.79%	2.186%
7	7.119	808	813	816	rVB	1287645	1179426	79.06%	6.451%
8	7.525	876	882	885	rBV	1019386	1067275	71.54%	5.837%
9	8.242	1000	1004	1007	rBV	585975	506802	33.97%	2.772%
10	8.642	1067	1072	1083	rVB2	15428	18893	1.27%	0.103%
11	9.319	1181	1187	1190	rBV	1482632	1491787	100.00%	8.159%
12	9.707	1250	1253	1260	rVB	238572	184518	12.37%	1.009%
13	9.913	1284	1288	1292	rBV2	20395	18251	1.22%	0.100%
14	10.001	1299	1303	1307	rBV	694650	586565	39.32%	3.208%
15	10.413	1370	1373	1376	rVB2	36621	32454	2.18%	0.177%
16	10.548	1393	1396	1402	rVB3	15273	17804	1.19%	0.097%
17	10.795	1434	1438	1441	rBV	982911	885817	59.38%	4.845%
18	10.883	1450	1453	1463	rBV2	45365	60937	4.08%	0.333%
19	11.095	1483	1489	1493	rBV5	11088	18597	1.25%	0.102%
20	11.224	1506	1511	1513	rBV3	8867	16009	1.07%	0.088%
21	11.295	1519	1523	1526	rBV3	20585	21067	1.41%	0.115%
22	11.336	1526	1530	1533	rBV	36241	34230	2.29%	0.187%
23	11.495	1553	1557	1559	rBV	743925	646527	43.34%	3.536%
24	11.519	1559	1561	1564	rVV	275782	209537	14.05%	1.146%
25	11.566	1567	1569	1572	rBV	37357	31441	2.11%	0.172%
26	11.724	1592	1596	1599	rBV2	18738	23873	1.60%	0.131%
27	11.760	1600	1602	1605	rVB2	23069	17809	1.19%	0.097%
28	11.824	1610	1613	1617	rVB2	25543	26366	1.77%	0.144%
29	11.995	1639	1642	1644	rBV	79955	67498	4.52%	0.369%
30	12.024	1644	1647	1651	rVV2	103763	98888	6.63%	0.541%
31	12.071	1652	1655	1657	rVV	27446	25057	1.68%	0.137%
32	12.107	1657	1661	1663	rVV2	88695	99527	6.67%	0.544%
33	12.130	1663	1665	1668	rVB	56283	46304	3.10%	0.253%
34	12.171	1668	1672	1675	rBV2	18585	19109	1.28%	0.105%

LSC Area Percent Report

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Data File : BF106701.D
Acq On : 22 Jun 2018 11:44
Operator : JU/SJ
Sample : J3603-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26KV-TP-9

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	12.289	1689	1692	1694	rBV	54950	45111	3.02%	0.247%
36	12.319	1694	1697	1702	rVB2	34635	33567	2.25%	0.184%
37	12.436	1715	1717	1720	rVB	22686	17971	1.20%	0.098%
38	12.471	1720	1723	1725	rBV	21863	16692	1.12%	0.091%
39	12.542	1732	1735	1739	rBV	67599	79964	5.36%	0.437%
40	12.583	1739	1742	1744	rVV2	30596	38236	2.56%	0.209%
41	12.630	1747	1750	1754	rBV2	39044	48254	3.23%	0.264%
42	12.713	1760	1764	1767	rBV	417423	363435	24.36%	1.988%
43	12.748	1767	1770	1772	rVV2	26358	23960	1.61%	0.131%
44	12.771	1772	1774	1777	rVB	20466	17923	1.20%	0.098%
45	12.942	1800	1803	1808	rVB	396056	357887	23.99%	1.957%
46	12.989	1808	1811	1815	rVB2	40418	42293	2.84%	0.231%
47	13.077	1815	1826	1829	rBV	1362070	1281266	85.89%	7.008%
48	13.154	1835	1839	1846	rBV5	39026	68177	4.57%	0.373%
49	13.242	1851	1854	1856	rBV3	31723	39986	2.68%	0.219%
50	13.266	1856	1858	1861	rVB	51068	47719	3.20%	0.261%
51	13.336	1867	1870	1872	rBV	20746	16173	1.08%	0.088%
52	13.371	1872	1876	1879	rBV2	50197	56045	3.76%	0.307%
53	13.466	1890	1892	1895	rBV	33882	30936	2.07%	0.169%
54	13.495	1895	1897	1901	rVB	34462	34005	2.28%	0.186%
55	13.777	1942	1945	1949	rVB	59863	57129	3.83%	0.312%
56	13.842	1953	1956	1959	rVB	17272	15675	1.05%	0.086%
57	13.889	1959	1964	1967	rBV2	49221	70181	4.70%	0.384%
58	13.918	1967	1969	1971	rVV	38756	30977	2.08%	0.169%
59	13.960	1971	1976	1979	rVV2	147698	170013	11.40%	0.930%
60	13.989	1979	1981	1985	rVB	50850	46289	3.10%	0.253%
61	14.071	1989	1995	1999	rBV5	14245	32619	2.19%	0.178%
62	14.148	2003	2008	2011	rVV2	635644	772502	51.78%	4.225%
63	14.171	2011	2012	2018	rVB	203308	161821	10.85%	0.885%
64	14.230	2020	2022	2024	rBV2	17171	15947	1.07%	0.087%
65	14.383	2044	2048	2050	rBV2	19160	23197	1.55%	0.127%
66	14.477	2060	2064	2066	rBV2	13960	18448	1.24%	0.101%
67	14.542	2071	2075	2078	rVV	60842	68475	4.59%	0.375%
68	14.577	2078	2081	2084	rBV	34496	32368	2.17%	0.177%
69	14.613	2084	2087	2090	rBV4	20372	32038	2.15%	0.175%
70	14.671	2095	2097	2099	rVV	32337	31403	2.11%	0.172%
71	14.695	2099	2101	2104	rVV3	24012	26558	1.78%	0.145%

LSC Area Percent Report

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Sample : J3603-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26KV-TP-9

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	14.748	2107	2110	2113	rVB3	17325	20468	1.37%	0.112%
73	15.124	2172	2174	2179	rBV5	12291	15590	1.05%	0.085%
74	15.230	2188	2192	2196	rBV	150650	253133	16.97%	1.384%
75	15.348	2208	2212	2219	rBV	34479	47219	3.17%	0.258%
76	15.442	2225	2228	2235	rBV6	12568	26686	1.79%	0.146%
77	15.554	2243	2247	2253	rVB	94484	125028	8.38%	0.684%
78	15.618	2254	2258	2264	rVB	132715	175663	11.78%	0.961%
79	15.695	2264	2271	2274	rBV	409712	563807	37.79%	3.084%
80	16.201	2354	2357	2364	rBV8	11825	26581	1.78%	0.145%
81	16.724	2442	2446	2451	rVB	16274	28276	1.90%	0.155%
82	17.253	2530	2536	2544	rBV2	61585	122425	8.21%	0.670%
83	17.448	2565	2569	2573	rVB2	13245	23089	1.55%	0.126%
84	17.730	2612	2617	2627	rVB	44817	94681	6.35%	0.518%

Sum of corrected areas: 18284077

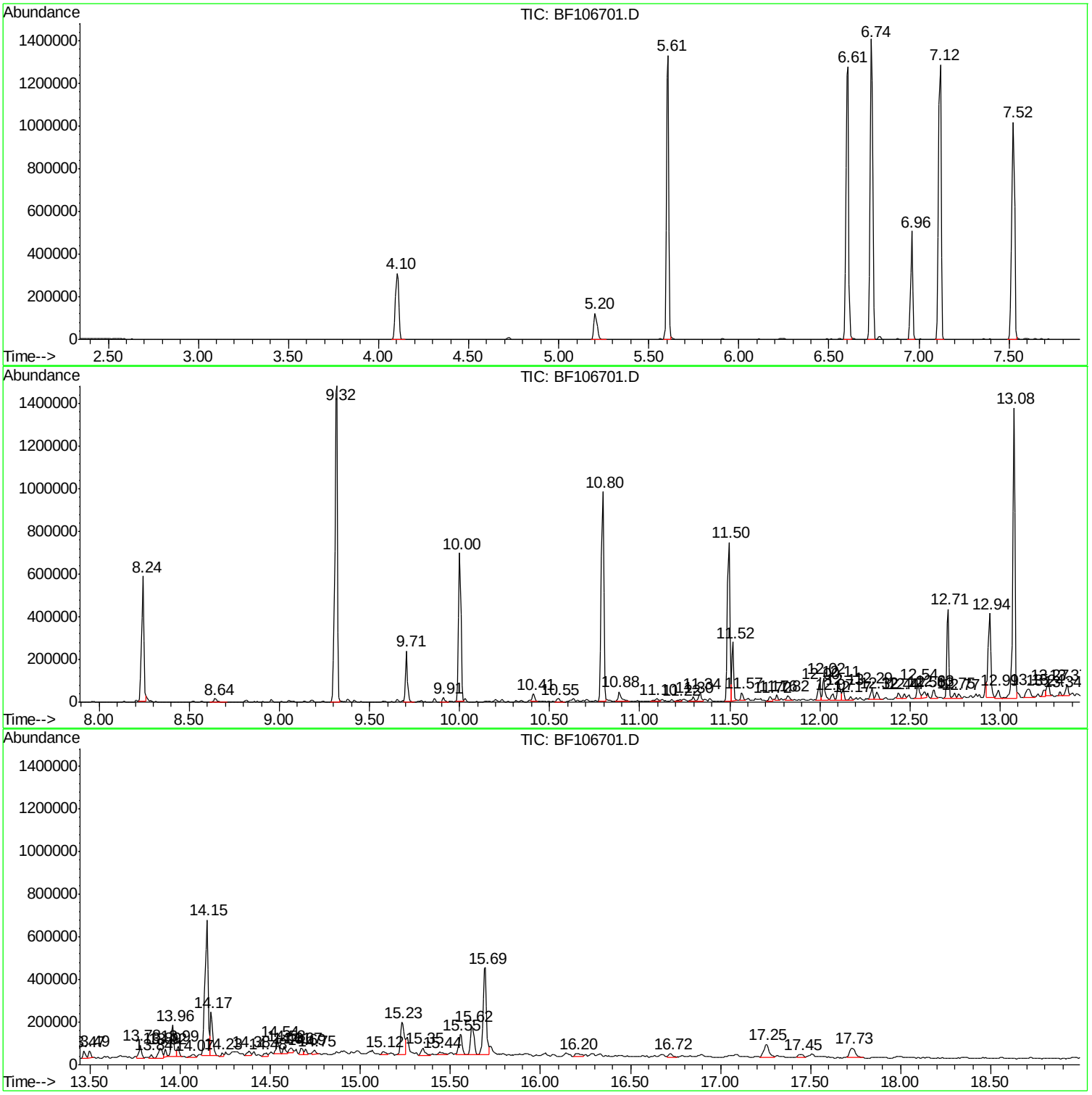
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106701.D
Acq On : 22 Jun 2018 11:44
Operator : JU/SJ
Sample : J3603-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26KV-TP-9

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\BF062218\
Data File : BF106701.D
Acq On : 22 Jun 2018 11:44
Operator : JU/SJ
Sample : J3603-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26KV-TP-9

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

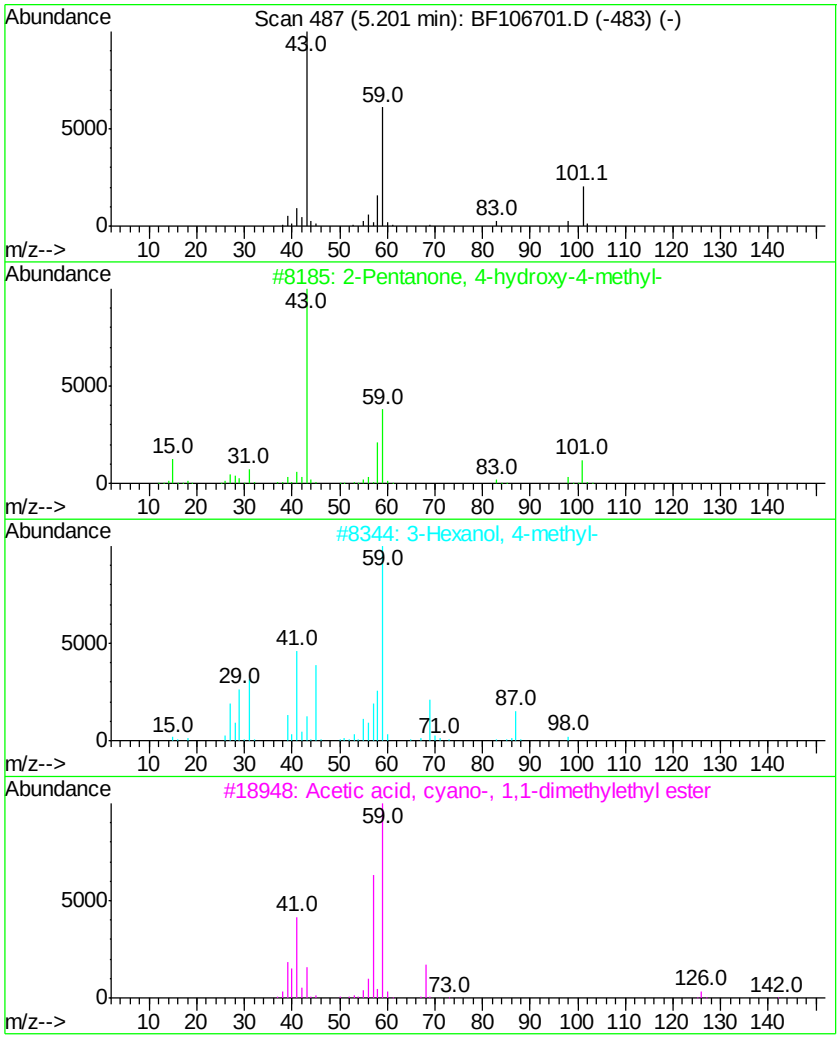
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

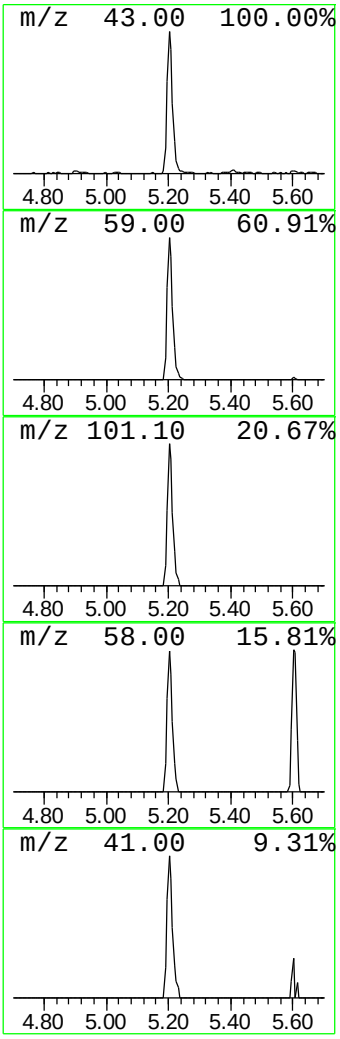
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	7.71 ng	153982	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	56
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106701.D
Acq On : 22 Jun 2018 11:44
Operator : JU/SJ
Sample : J3603-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26KV-TP-9

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

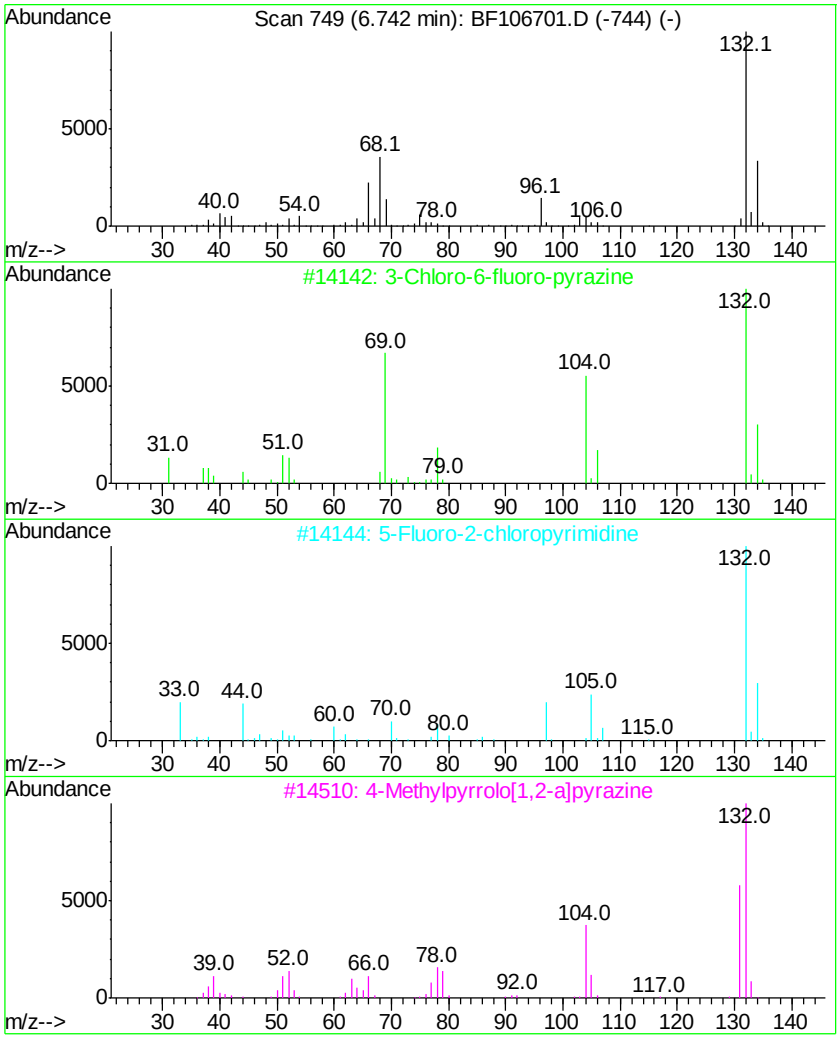
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

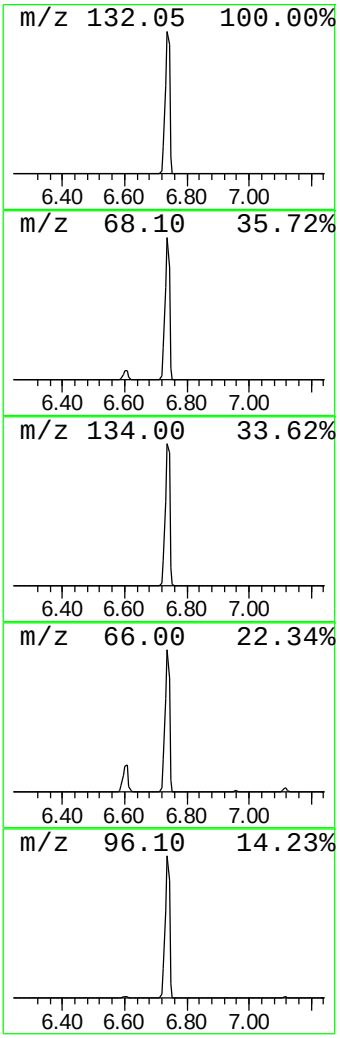
****

Peak Number 3 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	70.41 ng	1406820	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	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
3	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106701.D
Acq On : 22 Jun 2018 11:44
Operator : JU/SJ
Sample : J3603-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26KV-TP-9

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

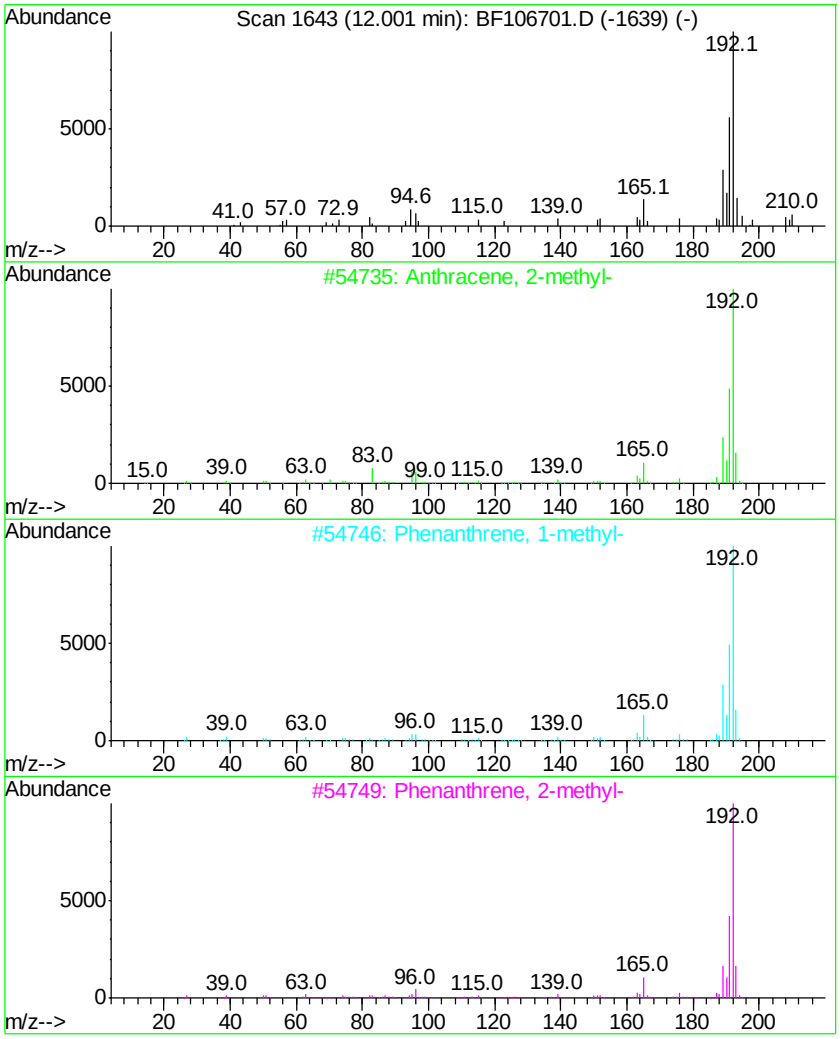
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

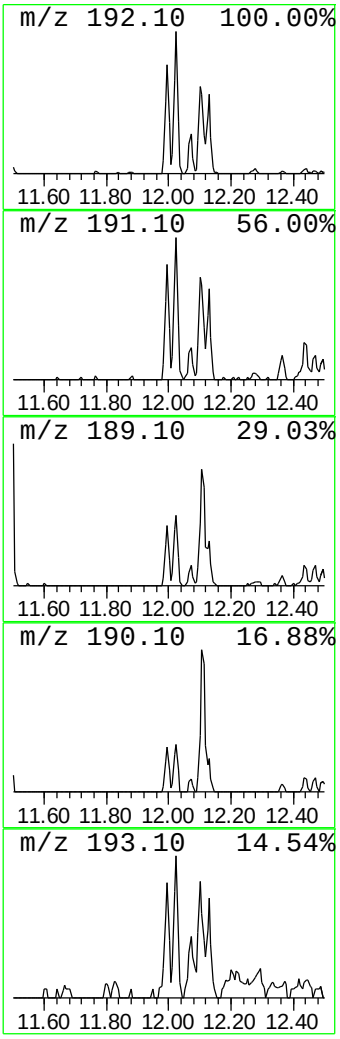
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.09 ng	67498	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106701.D
Acq On : 22 Jun 2018 11:44
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Sample : J3603-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26KV-TP-9

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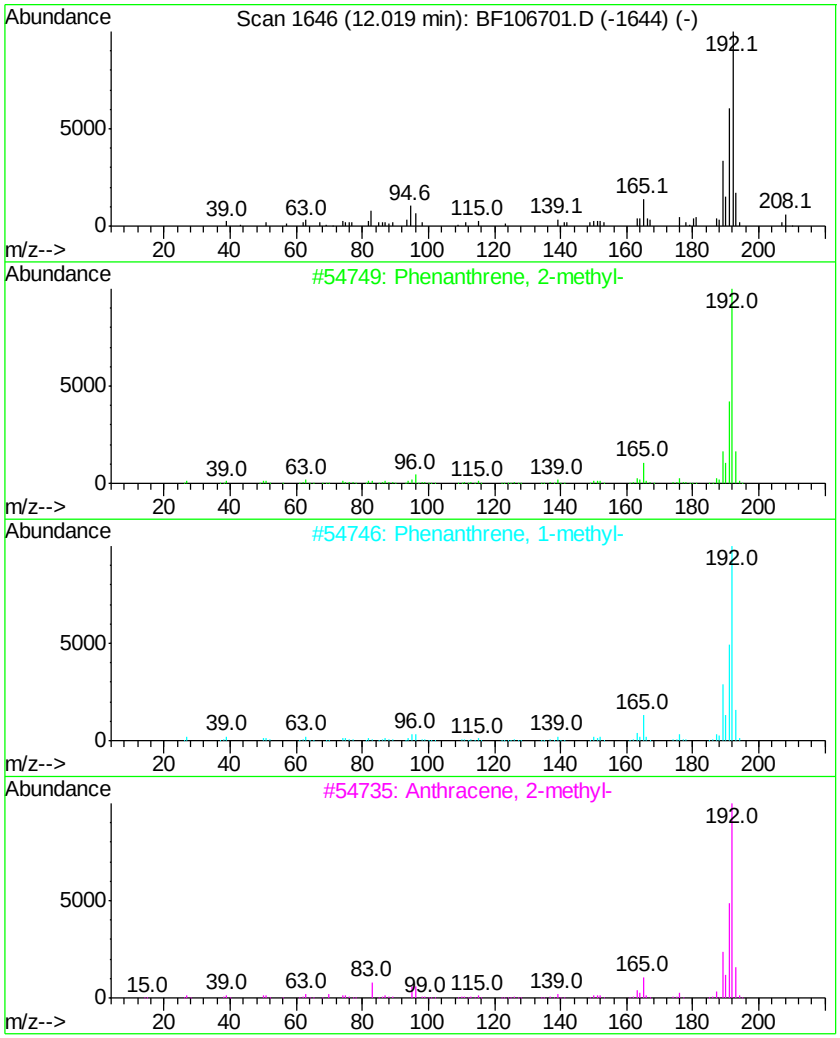
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

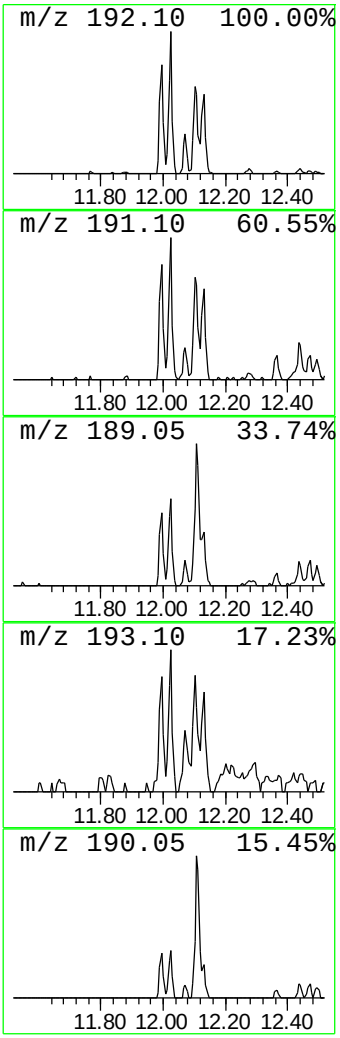
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.06 ng	98888	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106701.D
Acq On : 22 Jun 2018 11:44
Operator : JU/SJ
Sample : J3603-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26KV-TP-9

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

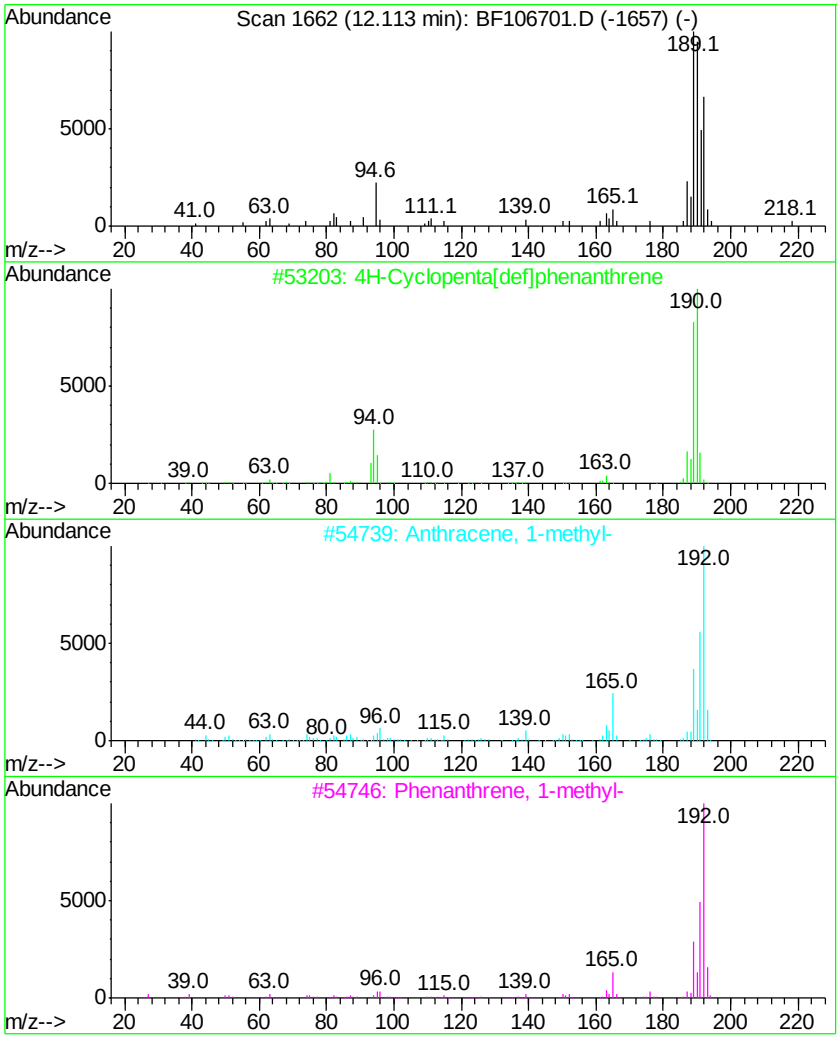
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

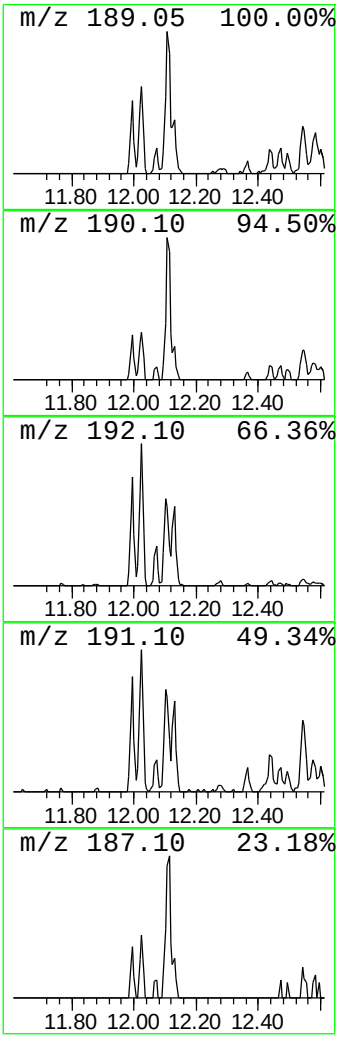
****

Peak Number 7 unknown12.11 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	3.08 ng	99527	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106701.D
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Sample : J3603-15
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Instrument : BNA_F
ClientSampleId : 26KV-TP-9

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

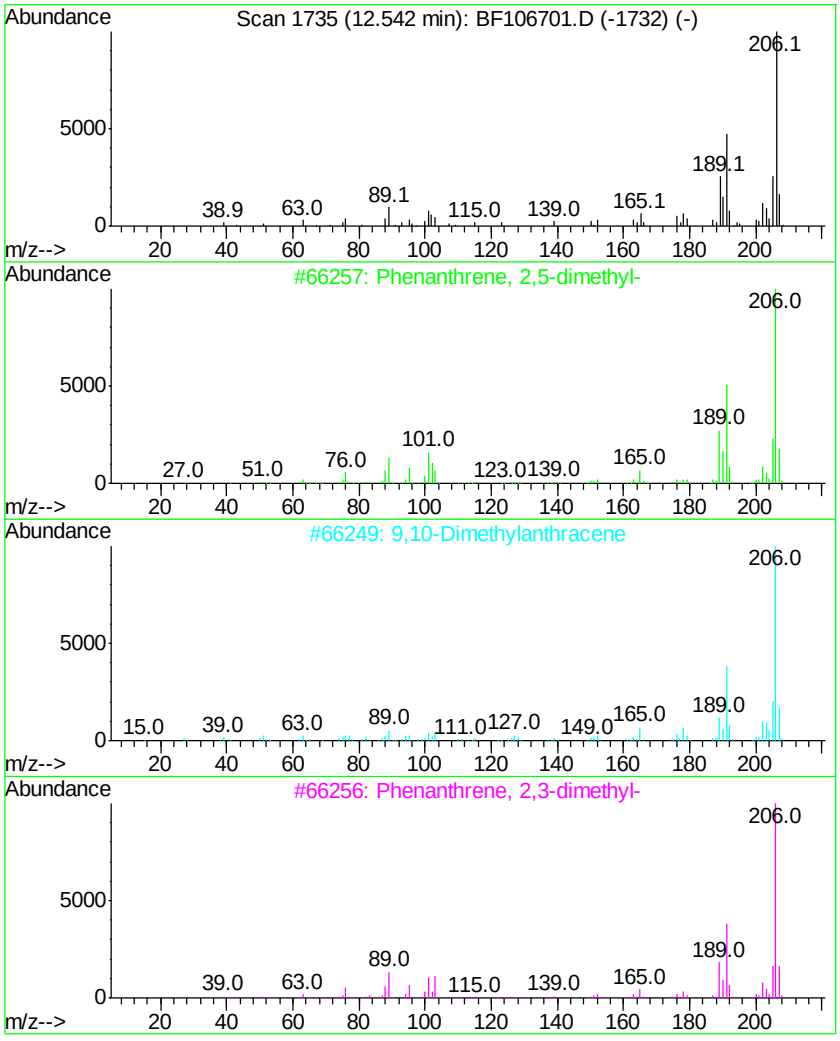
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

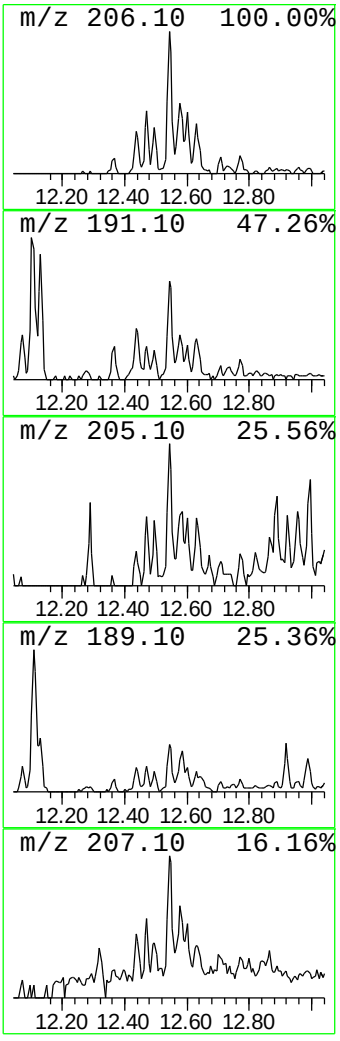
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	2.47 ng	79964	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	89





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Operator : JU/SJ
Sample : J3603-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26KV-TP-9

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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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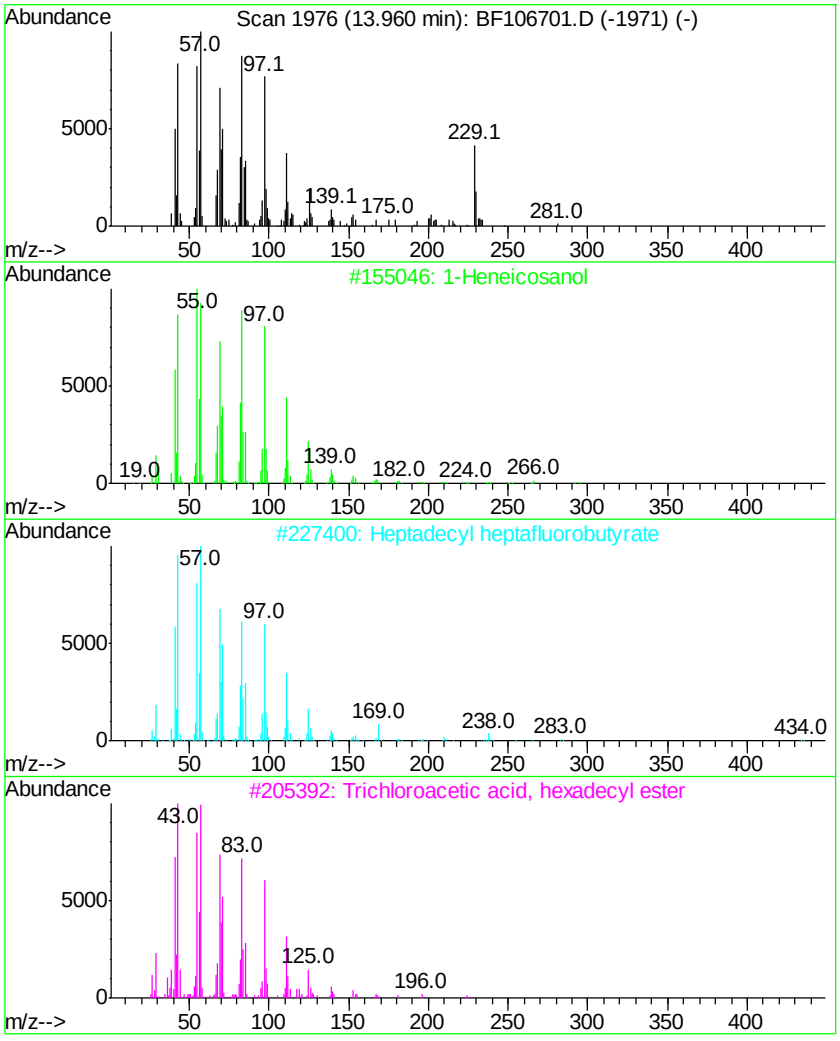
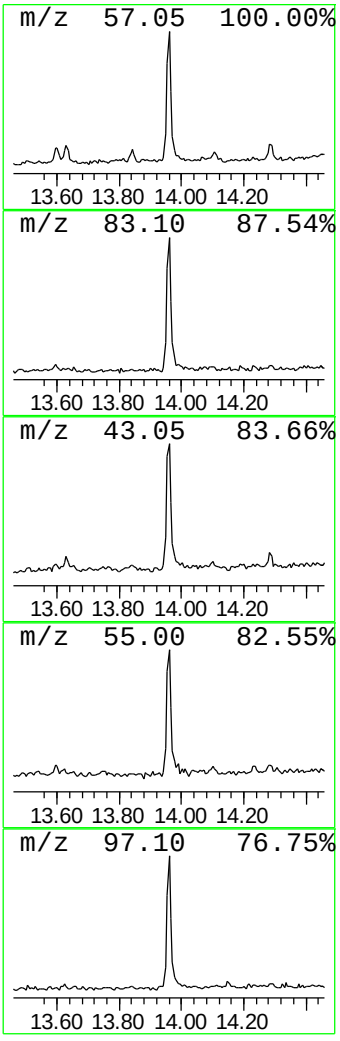
Peak Number 9 1-Heneicosanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	4.40 ng	170013	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106701.D
Acq On : 22 Jun 2018 11:44
Operator : JU/SJ
Sample : J3603-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26KV-TP-9

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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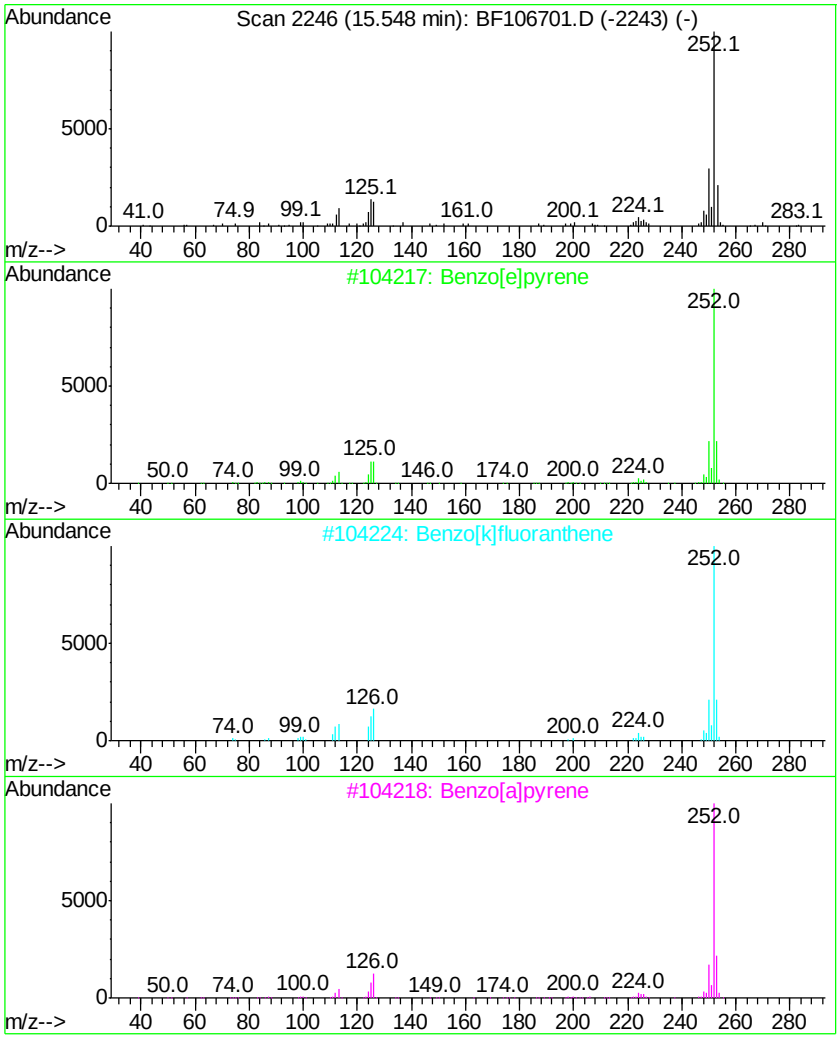
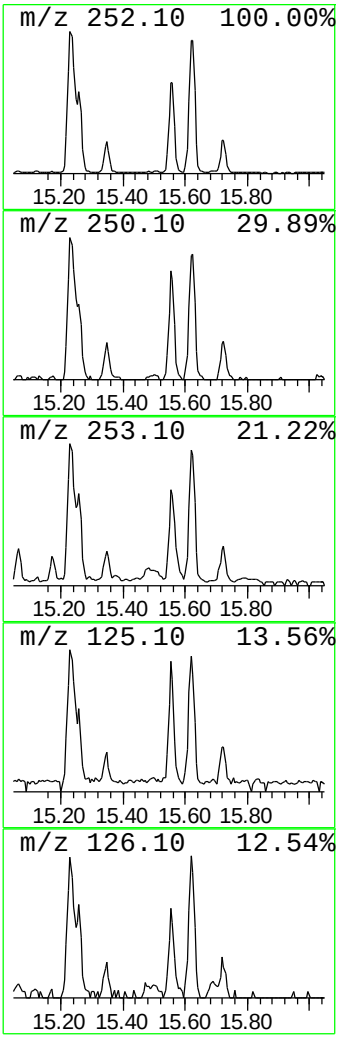
Peak Number 10 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	4.44 ng	125028	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	Perylene	252	C20H12	000198-55-0	94
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062218\
Data File : BF106701.D
Acq On : 22 Jun 2018 11:44
Operator : JU/SJ
Sample : J3603-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 26KV-TP-9

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...	5.20	7.7	ng	153982	1	6.96	399628	20.0
unknown6.74	6.74	70.4	ng	1406820	1	6.96	399628	20.0
Anthracene, 2-met...	12.00	2.1	ng	67498	4	11.50	646527	20.0
Phenanthrene, 2-m...	12.02	3.1	ng	98888	4	11.50	646527	20.0
unknown12.11	12.11	3.1	ng	99527	4	11.50	646527	20.0
Phenanthrene, 2,5...	12.54	2.5	ng	79964	4	11.50	646527	20.0
1-Heneicosanol	13.96	4.4	ng	170013	5	14.15	772502	20.0
Benzo[e]pyrene	15.55	4.4	ng	125028	6	15.69	563807	20.0