LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096221.D
Acq On : 27 Jun 2017 17:34
Operator : SJ/MA
Sample : I3868-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-062217-A

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:\HPCHEM1\BNA_F\Methods\8270-BF062717.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	4.963	486	489	495	rVB	176066	177105	10.82%	0.863%
2	5.381	556	560	564	rBV	1269337	1079692	65.95%	5.259%
3	6.398	729	733	736	rBV	1270029	1069928	65.35%	5.212%
4	6.539	753	757	761	rBV	1269894	1067889	65.23%	5.202%
5	6.780	794	798	801	rBV	1387000	1191876	72.80%	5.806%
6	6.933	820	824	828	rVB	978170	782631	47.80%	3.812%
7	7.328	888	891	895	rBV	676796	614015	37.51%	2.991%
8	8.063	1011	1016	1019	rBV	1773694	1637154	100.00%	7.975%
9	8.769	1133	1136	1140	rVB2	20765	18365	1.12%	0.089%
10	9.133	1194	1198	1201	rBV	1347775	1040942	63.58%	5.071%
11	9.469	1252	1255	1257	rBV2	23134	20056	1.23%	0.098%
12	9.527	1262	1265	1268	rVV	253604	213074	13.01%	1.038%
13	9.669	1286	1289	1292	rVB	147632	113339	6.92%	0.552%
14	9.704	1292	1295	1301	rVB4	20292	30896	1.89%	0.150%
15	9.757	1301	1304	1308	rVB2	20382	20438	1.25%	0.100%
16	9.810	1308	1313	1317	rBV2	1797425	1542650	94.23%	7.514%
17	10.016	1345	1348	1350	rVB	29332	29297	1.79%	0.143%
18	10.116	1362	1365	1369	rBV4	22013	29752	1.82%	0.145%
19	10.221	1378	1383	1386	rBV2	34292	47690	2.91%	0.232%
20	10.257	1386	1389	1392	rVB2	51810	46810	2.86%	0.228%
21	10.327	1398	1401	1403	rVB4	22419	19154	1.17%	0.093%
22	10.351	1403	1405	1412	rVB2	44016	52767	3.22%	0.257%
23	10.463	1421	1424	1429	rBV3	25556	38686	2.36%	0.188%
24	10.586	1442	1445	1449	rVB	539817	463510	28.31%	2.258%
25	10.727	1463	1469	1471	rBV4	49300	69305	4.23%	0.338%
26	10.745	1471	1472	1478	rVB3	26303	18125	1.11%	0.088%
27	10.816	1478	1484	1487	rBV5	9631	19438	1.19%	0.095%
28	10.904	1494	1499	1501	rBV5	17870	24111	1.47%	0.117%
29	11.086	1528	1530	1536	rVB3	17735	25012	1.53%	0.122%
30	11.139	1536	1539	1542	rBV5	12079	17331	1.06%	0.084%
31	11.174	1542	1545	1548	rVB3	30562	33120	2.02%	0.161%
32	11.286	1561	1564	1567	rBV	1322680	1199305	73.26%	5.842%
33	11.310	1567	1568	1572	rVV	271269	167127	10.21%	0.814%
34	11.363	1574	1577	1579	rVV	116534	98006	5.99%	0.477%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096221.D
Acq On : 27 Jun 2017 17:34
Operator : SJ/MA
Sample : I3868-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-062217-A

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:\HPCHEM1\BNA_F\Methods\8270-BF062717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.398	1579	1583	1586	rVB6	16141	23753	1.45%	0.116%
36	11.521	1600	1604	1607	rBV3	48366	53996	3.30%	0.263%
37	11.598	1613	1617	1619	rBV4	18497	20607	1.26%	0.100%
38	11.786	1647	1649	1652	rBV	53884	52237	3.19%	0.254%
39	11.815	1652	1654	1659	rVV2	119091	124678	7.62%	0.607%
40	11.863	1659	1662	1664	rVV2	50527	47955	2.93%	0.234%
41	11.898	1665	1668	1671	rVV	115579	131778	8.05%	0.642%
42	11.921	1671	1672	1676	rVB2	52166	31953	1.95%	0.156%
43	12.080	1697	1699	1701	rBV	33681	29058	1.77%	0.142%
44	12.286	1732	1734	1736	rVB2	23998	21016	1.28%	0.102%
45	12.339	1739	1743	1746	rVV2	132177	145173	8.87%	0.707%
46	12.374	1746	1749	1751	rVV3	42993	59538	3.64%	0.290%
47	12.415	1754	1756	1761	rVB3	39424	51277	3.13%	0.250%
48	12.498	1766	1770	1773	rVB	475263	448677	27.41%	2.186%
49	12.592	1783	1786	1787	rBV	42010	46004	2.81%	0.224%
50	12.610	1787	1789	1793	rVB4	59403	65391	3.99%	0.319%
51	12.721	1803	1808	1811	rBV	552739	538348	32.88%	2.622%
52	12.845	1826	1829	1830	rBV	30585	24344	1.49%	0.119%
53	12.868	1830	1833	1837	rVV	703366	607904	37.13%	2.961%
54	12.939	1842	1845	1849	rBV3	53809	63492	3.88%	0.309%
55	13.027	1857	1860	1861	rBV3	45713	44491	2.72%	0.217%
56	13.051	1861	1864	1868	rVB2	95570	111847	6.83%	0.545%
57	13.086	1868	1870	1872	rBV3	22954	25604	1.56%	0.125%
58	13.115	1872	1875	1878	rBV	71436	65808	4.02%	0.321%
59	13.157	1878	1882	1884	rBV	74158	74682	4.56%	0.364%
60	13.215	1889	1892	1895	rBV4	30020	38078	2.33%	0.185%
61	13.245	1895	1897	1900	rVV	74878	65343	3.99%	0.318%
62	13.274	1900	1902	1907	rVB	60232	59114	3.61%	0.288%
63	13.551	1947	1949	1955	rVB	47968	52987	3.24%	0.258%
64	13.662	1965	1968	1971	rBV2	54992	74108	4.53%	0.361%
65	13.715	1975	1977	1981	rBV2	34097	31964	1.95%	0.156%
66	13.757	1982	1984	1985	rBV2	35867	27694	1.69%	0.135%
67	13.915	2006	2011	2014	rBV2	1163234	1399534	85.49%	6.817%
68	13.939	2014	2015	2021	rVB	288638	236586	14.45%	1.152%
69	14.304	2074	2077	2080	rVB2	91082	81161	4.96%	0.395%
70	14.333	2080	2082	2085	rBV	60341	57888	3.54%	0.282%
71	14.933	2180	2184	2187	rBV	349388	516883	31.57%	2.518%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096221.D
Acq On : 27 Jun 2017 17:34
Operator : SJ/MA
Sample : I3868-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-062217-A

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:\HPCHEM1\BNA_F\Methods\8270-BF062717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.033	2198	2201	2205	rVB	108642	117121	7.15%	0.571%
73	15.221	2230	2233	2238	rVB	205745	237911	14.53%	1.159%
74	15.280	2239	2243	2247	rBV	271402	312118	19.06%	1.520%
75	15.339	2249	2253	2257	rBV	722297	900620	55.01%	4.387%
76	16.727	2484	2489	2495	rVB2	127707	244872	14.96%	1.193%
77	17.139	2556	2559	2566	rVB	94134	147076	8.98%	0.716%

Sum of corrected areas: 20529265

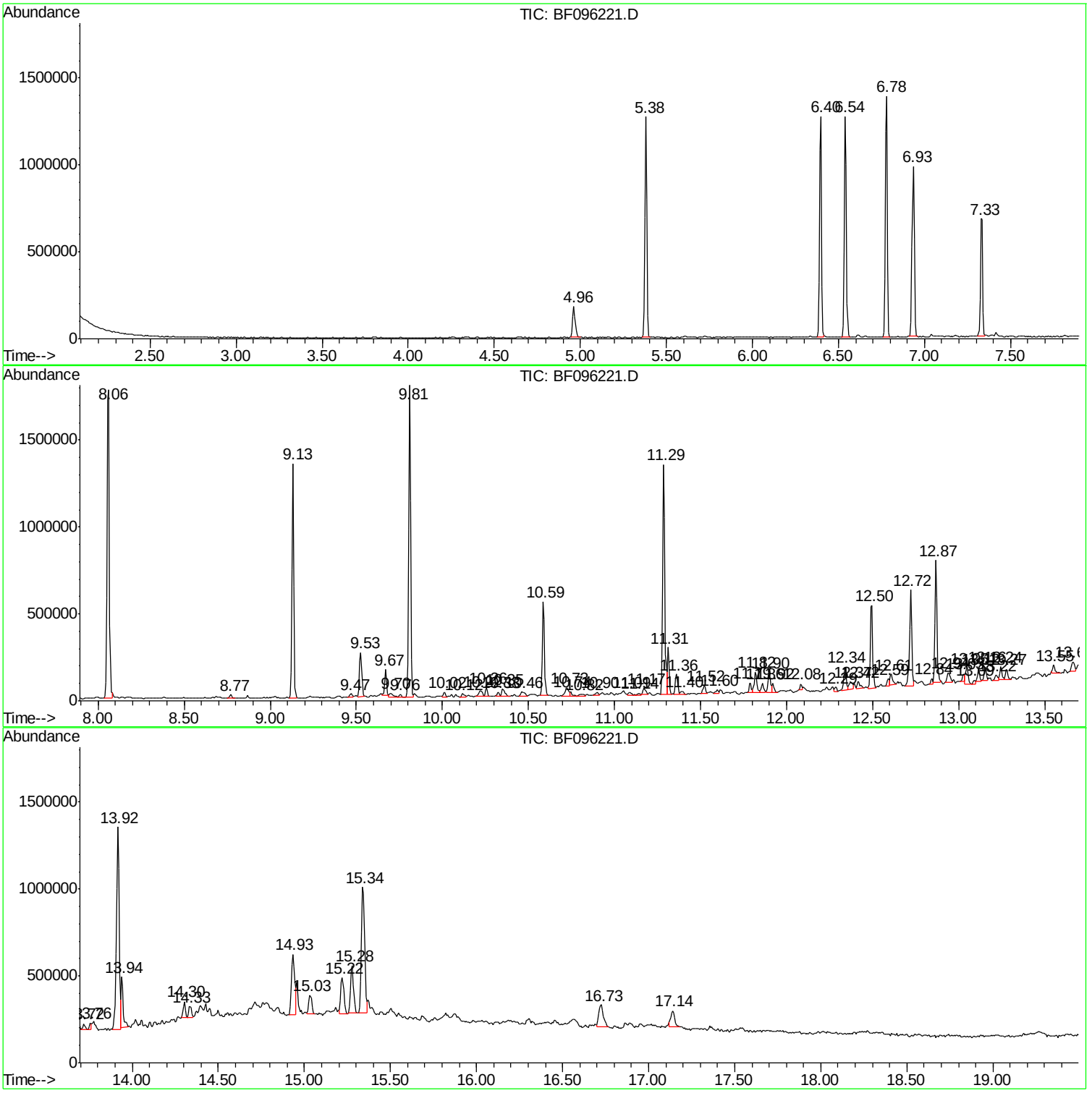
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096221.D
Acq On : 27 Jun 2017 17:34
Operator : SJ/MA
Sample : I3868-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-062217-A

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096221.D
Acq On : 27 Jun 2017 17:34
Operator : SJ/MA
Sample : I3868-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-062217-A

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

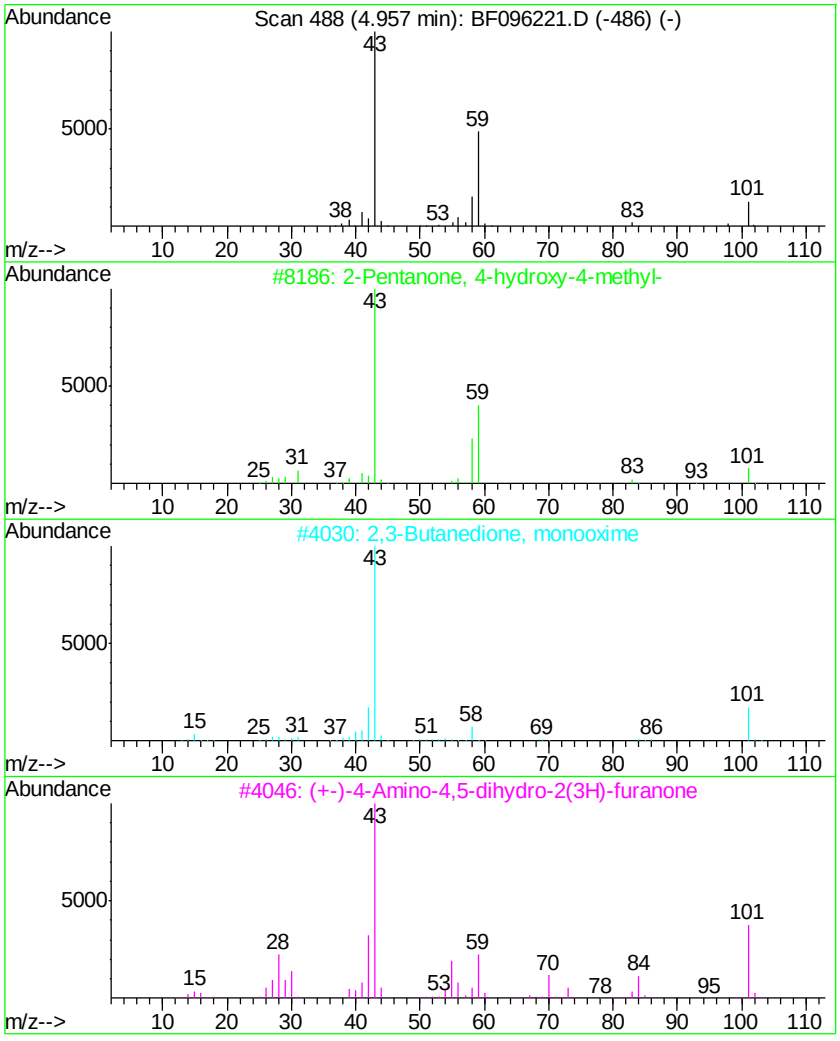
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

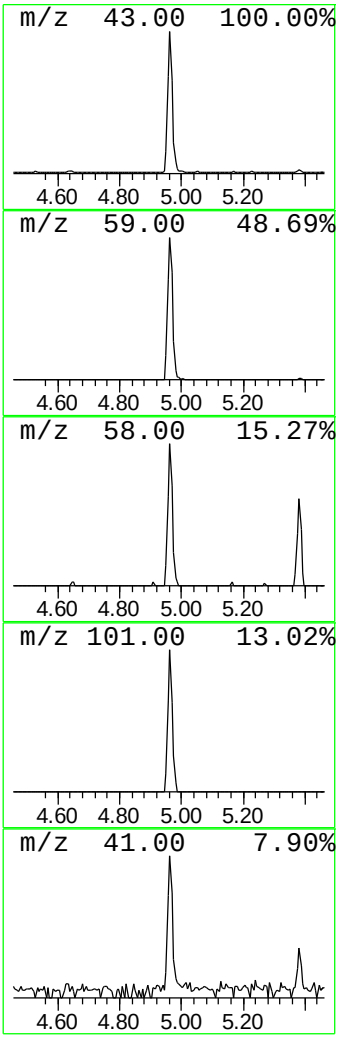
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	2.97 ng	177105	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	7
4	5-Hexen-2-one	98	C6H10O	000109-49-9	7
5	Acetone	58	C3H6O	000067-64-1	7





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096221.D
Acq On : 27 Jun 2017 17:34
Operator : SJ/MA
Sample : I3868-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-062217-A

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

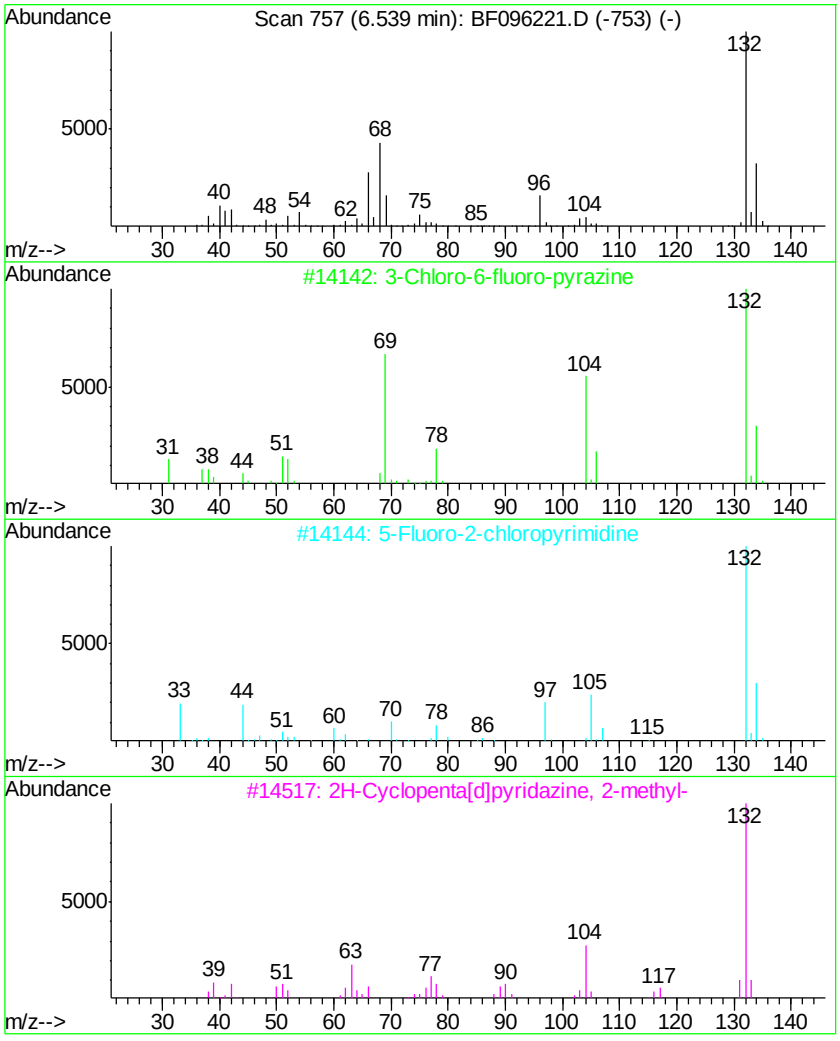
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

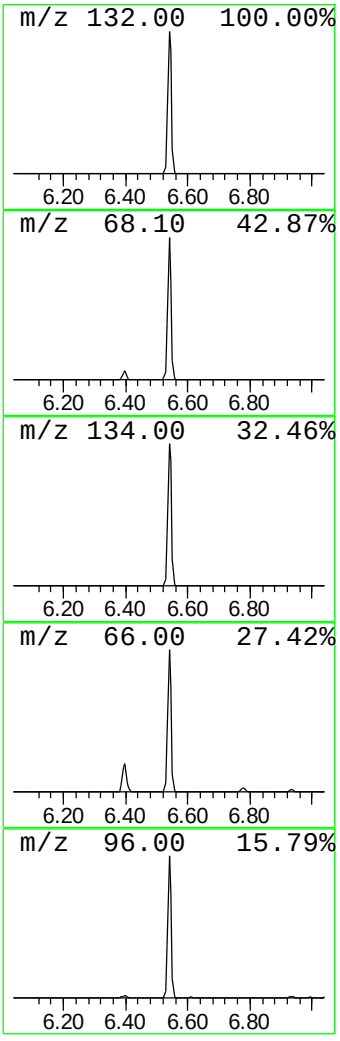
****

Peak Number 2 unknown6.54 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	17.92 ng	1067890	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096221.D
Acq On : 27 Jun 2017 17:34
Operator : SJ/MA
Sample : I3868-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-062217-A

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

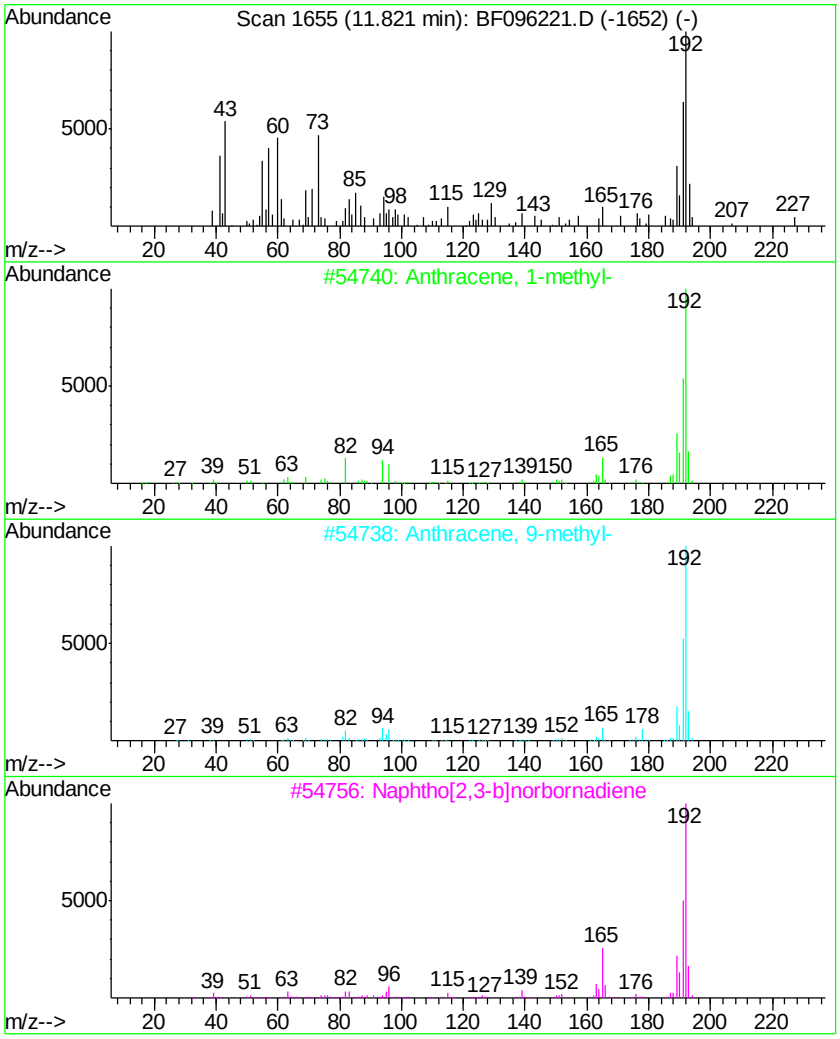
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

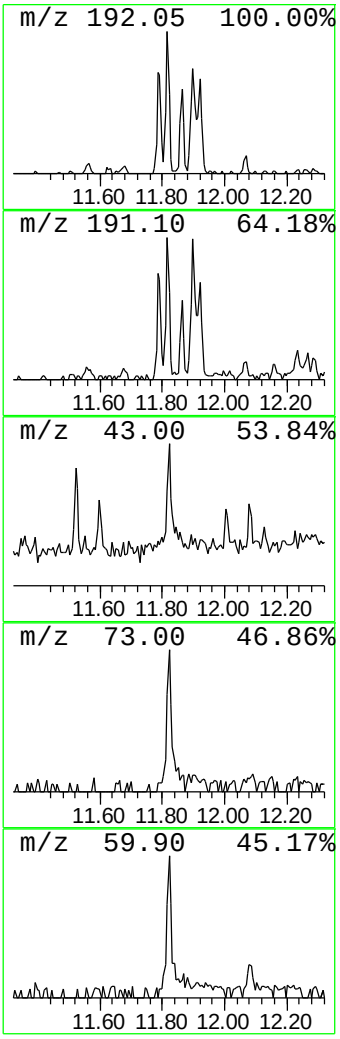
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	2.08 ng	124678	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	68
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096221.D
Acq On : 27 Jun 2017 17:34
Operator : SJ/MA
Sample : I3868-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-062217-A

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF062717.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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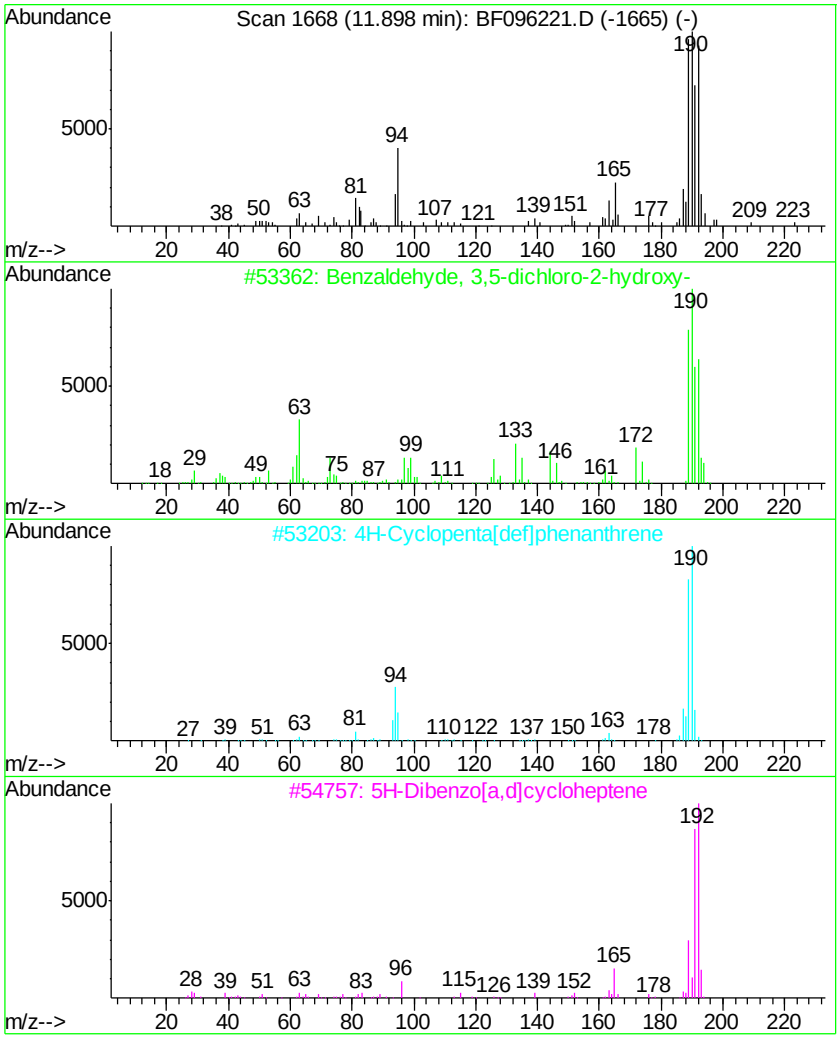
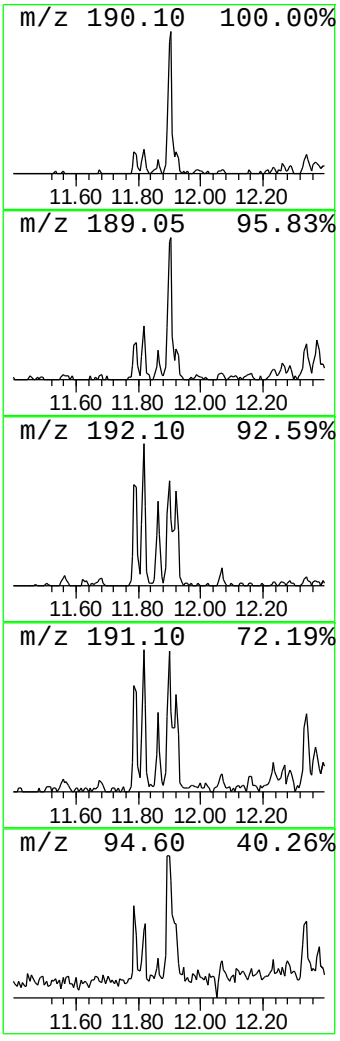
Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.20 ng	131778	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	38
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	35





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096221.D
Acq On : 27 Jun 2017 17:34
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Sample : I3868-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-062217-A

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

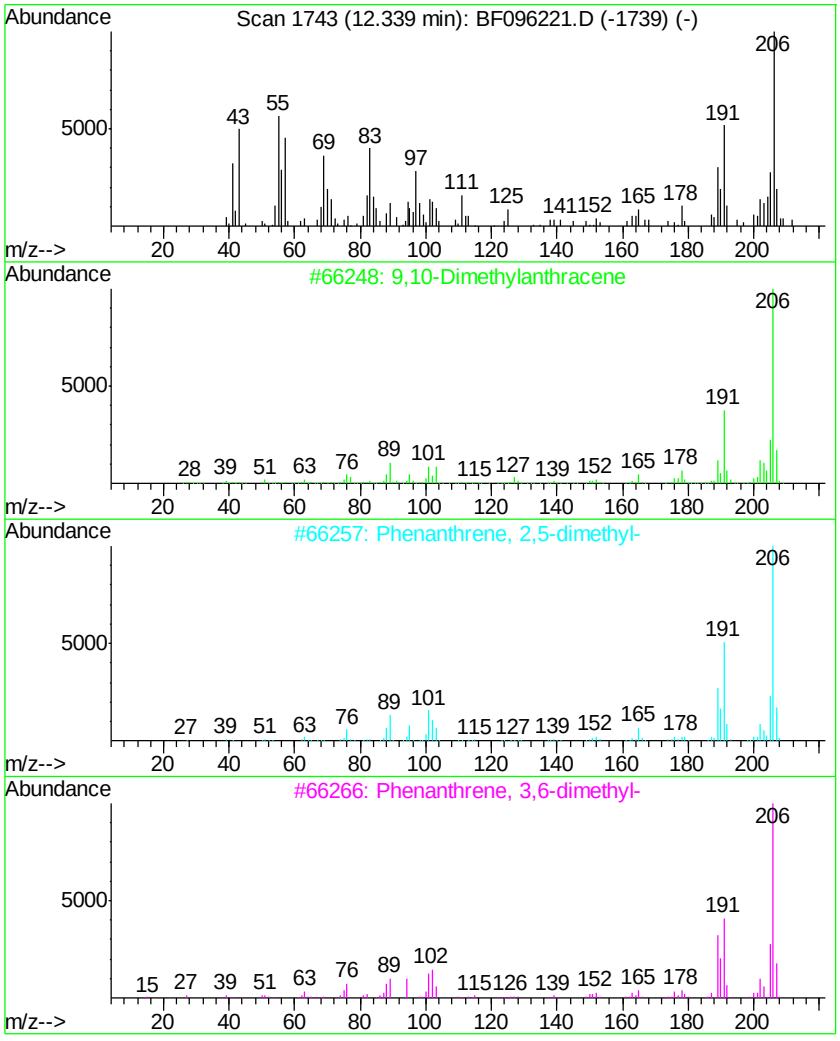
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

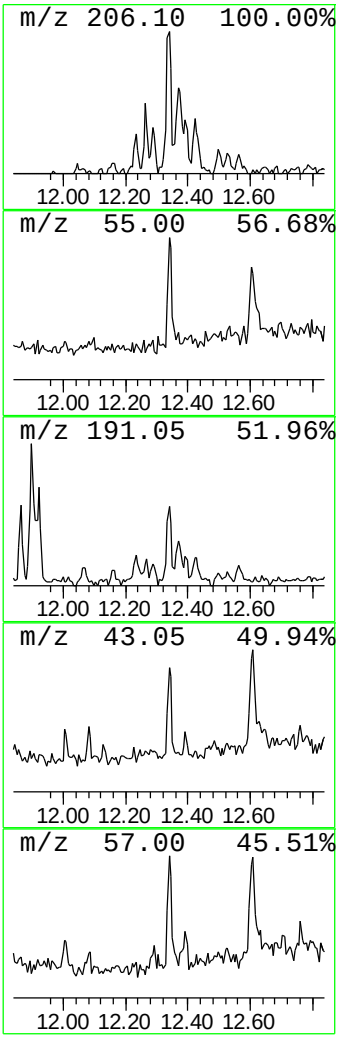
****

Peak Number 6 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	2.42 ng	145173	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096221.D
Acq On : 27 Jun 2017 17:34
Operator : SJ/MA
Sample : I3868-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-062217-A

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

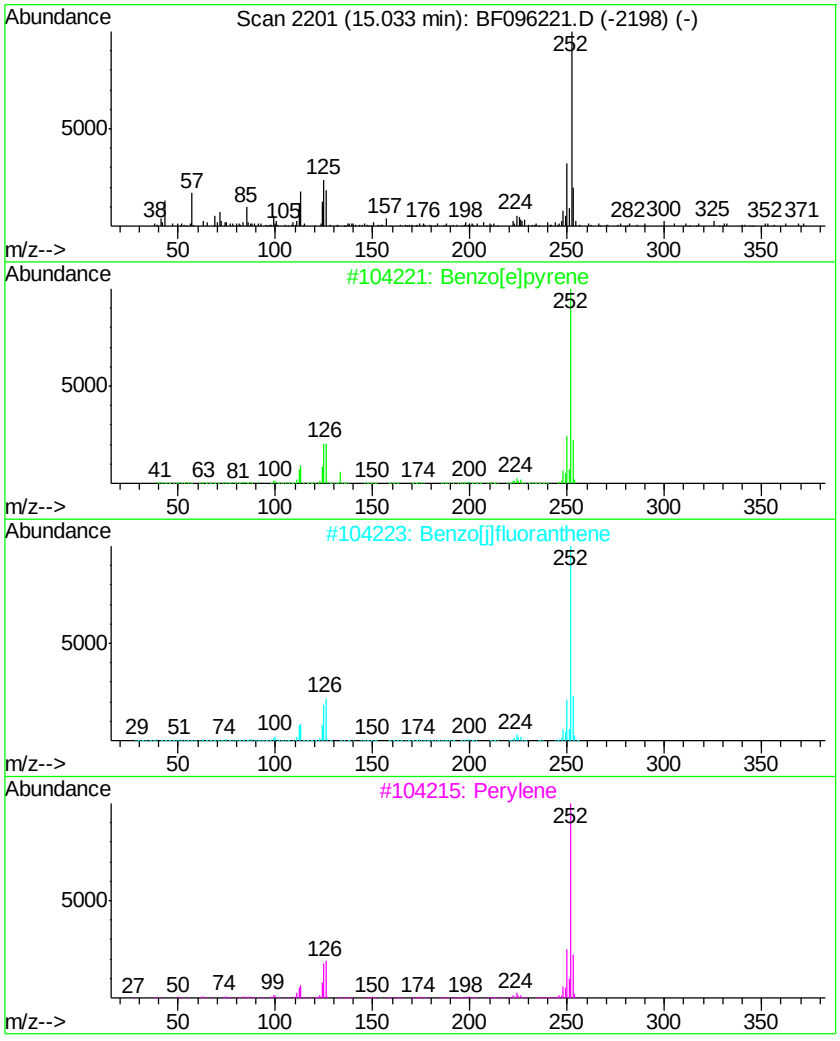
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

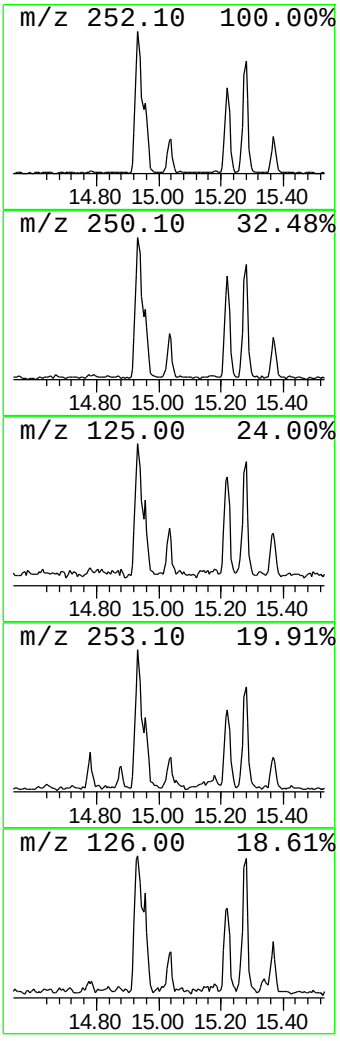
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	2.60 ng	117121	Perylene-d12	15.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benzo[a]pyrene	252	C20H12	000050-32-8	89





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF062717\
Data File : BF096221.D
Acq On : 27 Jun 2017 17:34
Operator : SJ/MA
Sample : I3868-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-062217-A

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF062717.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...	4.96	3.0	ng	177105	1	6.78	1191880	20.0
unknown6.54	6.54	17.9	ng	1067890	1	6.78	1191880	20.0
Anthracene, 1-met...	11.82	2.1	ng	124678	4	11.29	1199310	20.0
Benzaldehyde, 3,5...	11.90	2.2	ng	131778	4	11.29	1199310	20.0
9,10-Dimethylanth...	12.34	2.4	ng	145173	4	11.29	1199310	20.0
Benzo[e]pyrene	15.03	2.6	ng	117121	6	15.34	900620	20.0