LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101181.D
Acq On : 6 Dec 2017 21:19
Operator : SJ/JU
Sample : I6640-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(0-2)-20171129

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-BF113017.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	5.057	503	505	516	rBV	21707	26792	5.06%	0.339%
2	5.463	570	574	585	rBV	437620	450011	85.04%	5.686%
3	6.475	742	746	755	rBV	521947	449394	84.92%	5.678%
4	6.616	766	770	773	rBV	605573	480456	90.79%	6.071%
5	6.845	806	809	813	rBV	319148	246883	46.65%	3.120%
6	7.004	832	836	839	rBV	419763	389513	73.61%	4.922%
7	7.410	901	905	918	rBV	321035	274817	51.93%	3.473%
8	8.128	1024	1027	1037	rBV	381344	305252	57.68%	3.857%
9	9.204	1206	1210	1213	rBV	586340	529180	100.00%	6.687%
10	9.598	1274	1277	1282	rVB	16069	14470	2.73%	0.183%
11	9.745	1300	1302	1306	rBB	8470	6874	1.30%	0.087%
12	9.804	1310	1312	1319	rVB2	8674	9102	1.72%	0.115%
13	9.886	1322	1326	1329	rVV	327573	298345	56.38%	3.770%
14	9.916	1329	1331	1336	rVB	26483	19894	3.76%	0.251%
15	10.092	1357	1361	1364	rBV2	6430	6779	1.28%	0.086%
16	10.304	1394	1397	1400	rVB2	11060	8595	1.62%	0.109%
17	10.433	1416	1419	1424	rBB	15308	14116	2.67%	0.178%
18	10.674	1456	1460	1466	rBV	268816	230911	43.64%	2.918%
19	10.774	1475	1477	1482	rBV	8673	9821	1.86%	0.124%
20	10.986	1507	1513	1515	rBV3	4455	7558	1.43%	0.096%
21	11.186	1544	1547	1550	rVB2	7226	7570	1.43%	0.096%
22	11.221	1550	1553	1556	rVV2	6983	7177	1.36%	0.091%
23	11.269	1559	1561	1564	rVB	10061	8843	1.67%	0.112%
24	11.374	1575	1579	1581	rBV	332753	266247	50.31%	3.364%
25	11.398	1581	1583	1587	rVV	255632	183523	34.68%	2.319%
26	11.451	1587	1592	1595	rVV	41446	34729	6.56%	0.439%
27	11.610	1612	1619	1623	rBV2	14507	18081	3.42%	0.228%
28	11.669	1623	1629	1631	rVB3	5543	8380	1.58%	0.106%
29	11.704	1631	1635	1640	rBV3	8494	10750	2.03%	0.136%
30	11.874	1661	1664	1667	rBV	34455	39677	7.50%	0.501%
31	11.904	1667	1669	1672	rVV	47954	37994	7.18%	0.480%
32	11.951	1675	1677	1679	rVV	13668	10510	1.99%	0.133%
33	11.986	1679	1683	1686	rVV2	47024	56710	10.72%	0.717%
34	12.010	1686	1687	1691	rVB	25635	16213	3.06%	0.205%

LSC Area Percent Report

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Sample : I6640-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(0-2)-20171129

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.168	1712	1714	1717	rBV	19851	14706	2.78%	0.186%
36	12.204	1717	1720	1724	rVB	21560	18919	3.58%	0.239%
37	12.321	1734	1740	1742	rBV3	8859	13115	2.48%	0.166%
38	12.374	1747	1749	1753	rVB4	7380	7762	1.47%	0.098%
39	12.421	1753	1757	1760	rBV	24212	28379	5.36%	0.359%
40	12.463	1760	1764	1766	rVV4	15584	21404	4.04%	0.270%
41	12.516	1769	1773	1777	rVB3	17338	22692	4.29%	0.287%
42	12.592	1782	1786	1789	rBV	377498	314160	59.37%	3.970%
43	12.651	1794	1796	1799	rVV3	8531	7885	1.49%	0.100%
44	12.680	1799	1801	1804	rVB3	7115	7611	1.44%	0.096%
45	12.739	1809	1811	1814	rVV2	13861	14985	2.83%	0.189%
46	12.768	1814	1816	1819	rVB4	8034	6766	1.28%	0.085%
47	12.821	1819	1825	1828	rBV	344326	350290	66.19%	4.426%
48	12.868	1831	1833	1838	rVB2	16520	17415	3.29%	0.220%
49	12.957	1844	1848	1851	rBV	457457	377360	71.31%	4.768%
50	12.980	1851	1852	1855	rVB	18720	12991	2.45%	0.164%
51	13.033	1858	1861	1866	rBV2	25986	40779	7.71%	0.515%
52	13.145	1874	1880	1883	rBV	38866	61888	11.70%	0.782%
53	13.215	1889	1892	1894	rVB	25529	22115	4.18%	0.279%
54	13.251	1894	1898	1901	rBV2	36985	41418	7.83%	0.523%
55	13.345	1911	1914	1917	rVB	23187	21502	4.06%	0.272%
56	13.374	1917	1919	1921	rBV	26519	22914	4.33%	0.290%
57	13.521	1941	1944	1945	rBV3	7593	7893	1.49%	0.100%
58	13.657	1965	1967	1971	rVB	27672	25878	4.89%	0.327%
59	13.715	1975	1977	1980	rVB4	10366	7990	1.51%	0.101%
60	13.768	1983	1986	1988	rBV	41659	38323	7.24%	0.484%
61	13.792	1988	1990	1992	rVB	25785	20090	3.80%	0.254%
62	13.839	1992	1998	2001	rBV4	49674	80135	15.14%	1.013%
63	13.868	2001	2003	2006	rVV	34279	28447	5.38%	0.359%
64	13.939	2010	2015	2016	rBV3	19445	23239	4.39%	0.294%
65	14.021	2024	2029	2031	rBV2	370771	470126	88.84%	5.940%
66	14.045	2031	2033	2041	rVB	183378	178819	33.79%	2.260%
67	14.104	2041	2043	2044	rBV2	13550	11601	2.19%	0.147%
68	14.127	2044	2047	2049	rBV	31808	23774	4.49%	0.300%
69	14.251	2066	2068	2070	rVB	23292	17088	3.23%	0.216%
70	14.368	2086	2088	2090	rBV3	21777	19992	3.78%	0.253%
71	14.410	2092	2095	2098	rVB2	38636	38059	7.19%	0.481%

LSC Area Percent Report

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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(0-2)-20171129

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.439	2098	2100	2102	rBV	20673	15054	2.84%	0.190%
73	14.533	2114	2116	2118	rBV3	20589	18492	3.49%	0.234%
74	15.068	2203	2207	2210	rBV	153634	218703	41.33%	2.763%
75	15.174	2223	2225	2233	rVB	27473	41154	7.78%	0.520%
76	15.374	2255	2259	2265	rVB	86835	114918	21.72%	1.452%
77	15.439	2266	2270	2275	rBV	120220	139418	26.35%	1.762%
78	15.498	2276	2280	2284	rBV	204161	252266	47.67%	3.188%
79	16.992	2528	2534	2543	rVB3	48073	114267	21.59%	1.444%
80	17.445	2606	2611	2616	rVB2	34660	69797	13.19%	0.882%
81	18.950	2866	2867	2869	rBV2	6084	6294	1.19%	0.080%

Sum of corrected areas: 7914040

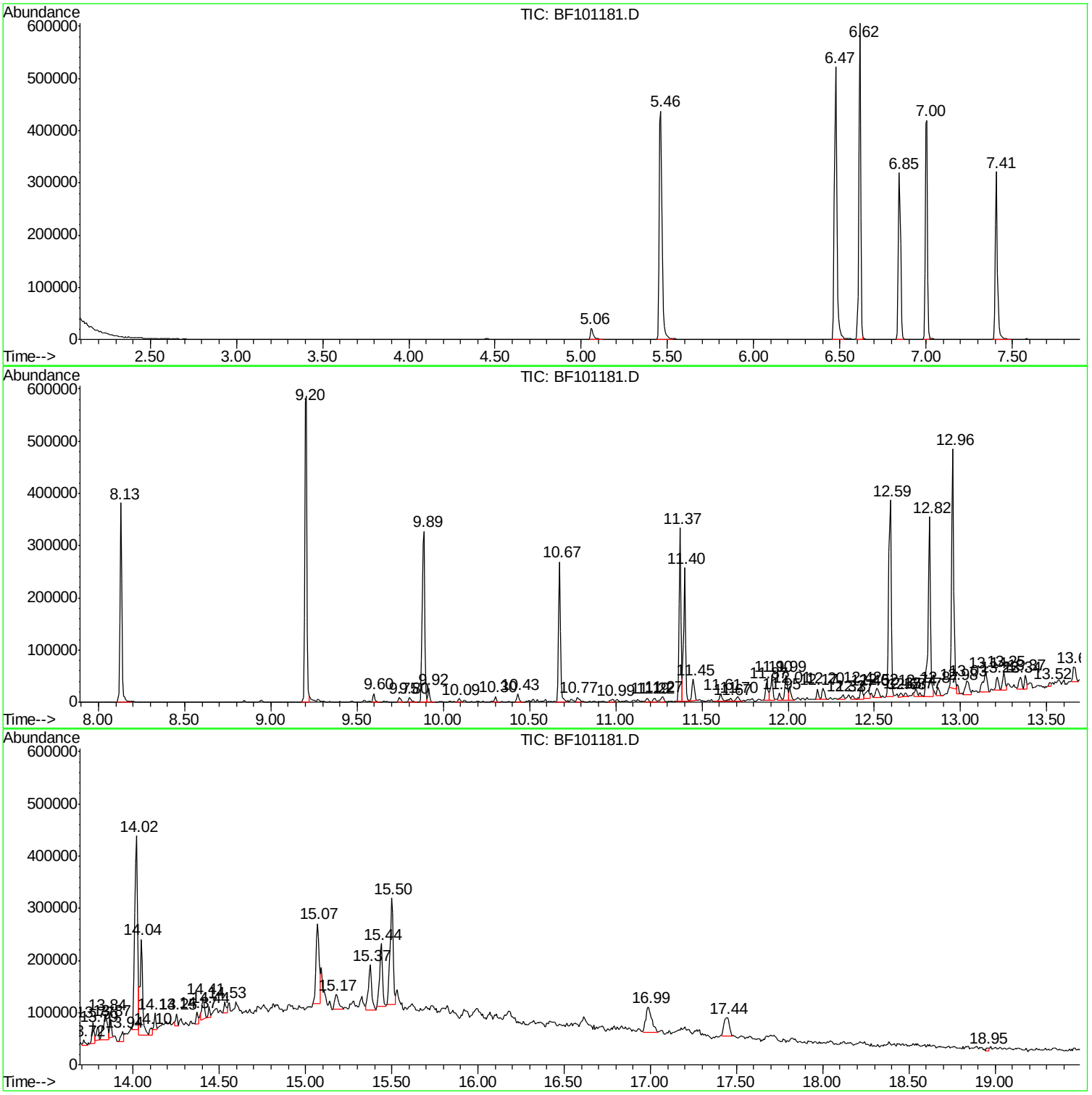
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101181.D
Acq On : 6 Dec 2017 21:19
Operator : SJ/JU
Sample : I6640-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-11(0-2)-20171129

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101181.D
Acq On : 6 Dec 2017 21:19
Operator : SJ/JU
Sample : I6640-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(0-2)-20171129

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

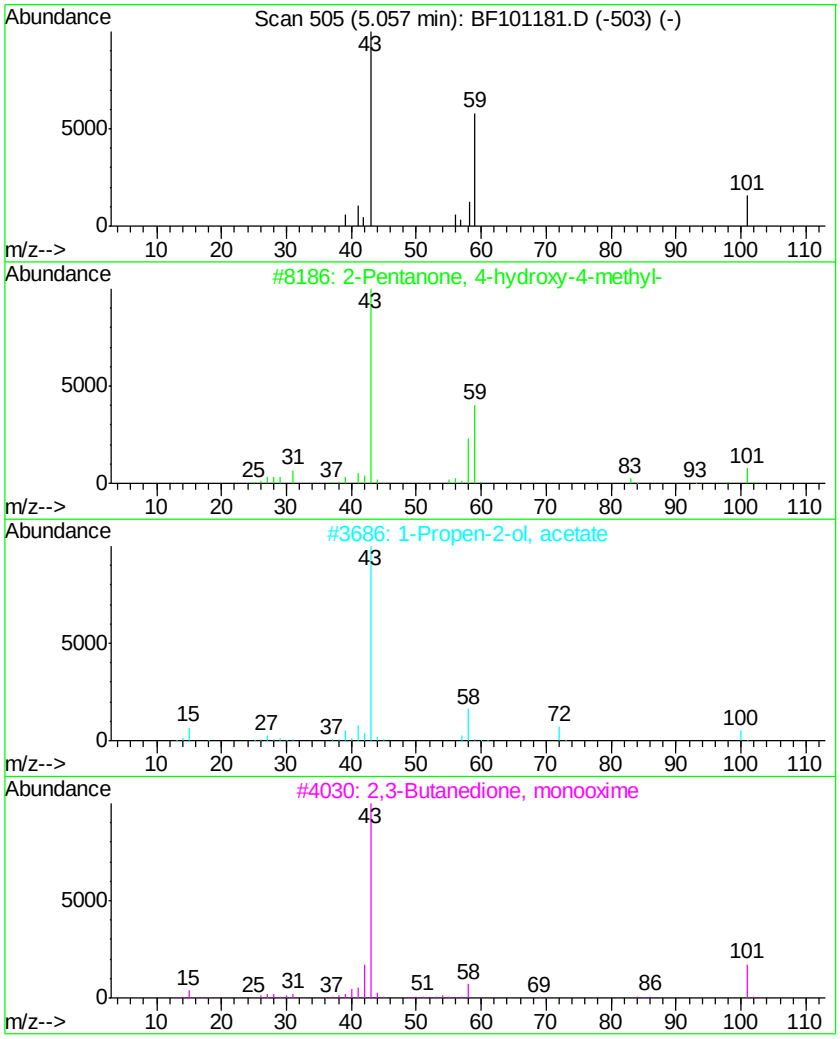
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

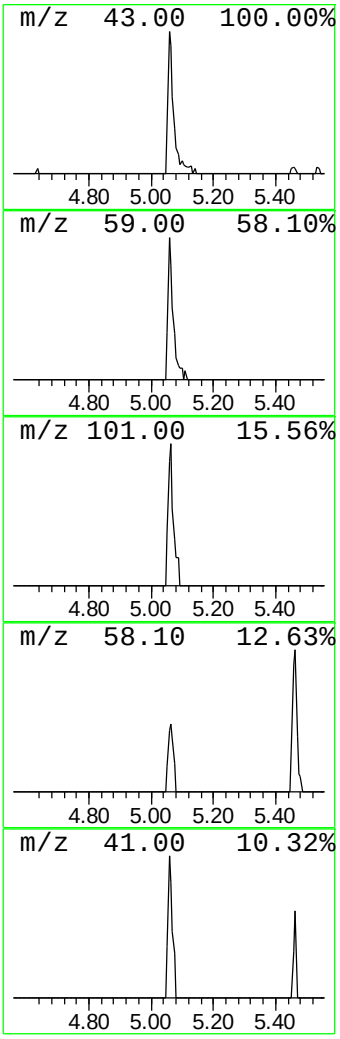
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	2.17 ng	26792	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	7
4	Diacetamide	101	C4H7NO2	000625-77-4	7
5	Butane	58	C4H10	000106-97-8	4





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Acq On : 6 Dec 2017 21:19
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

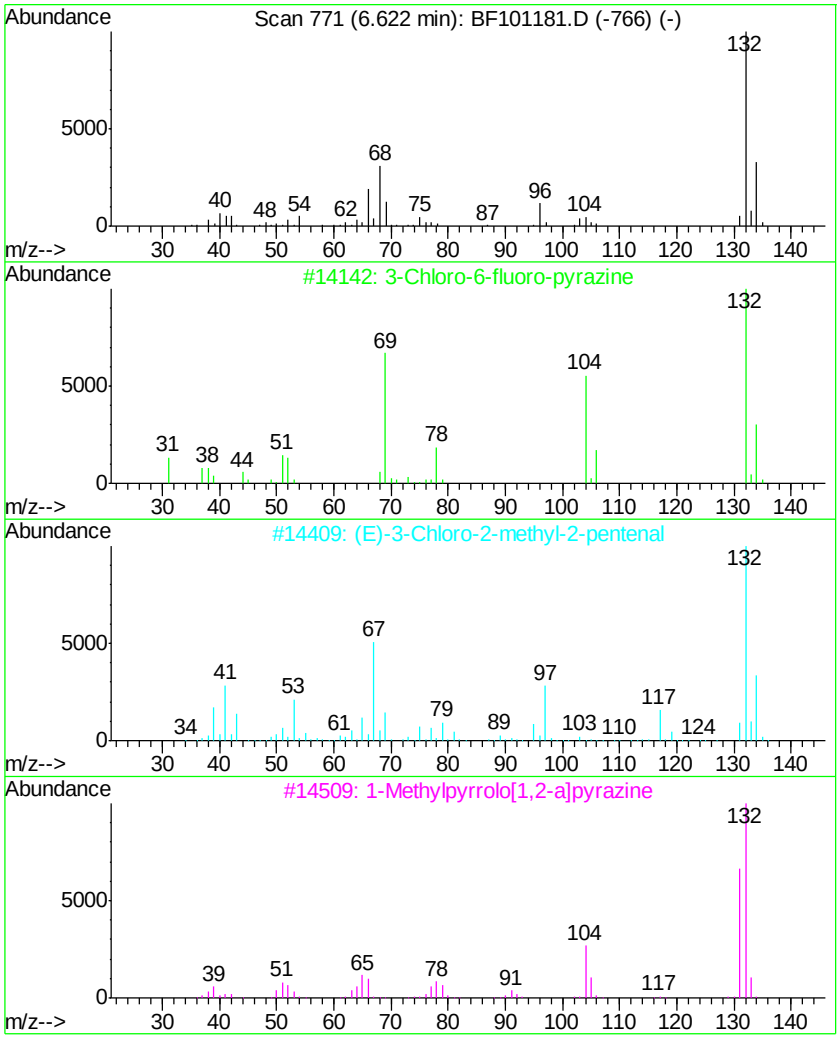
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

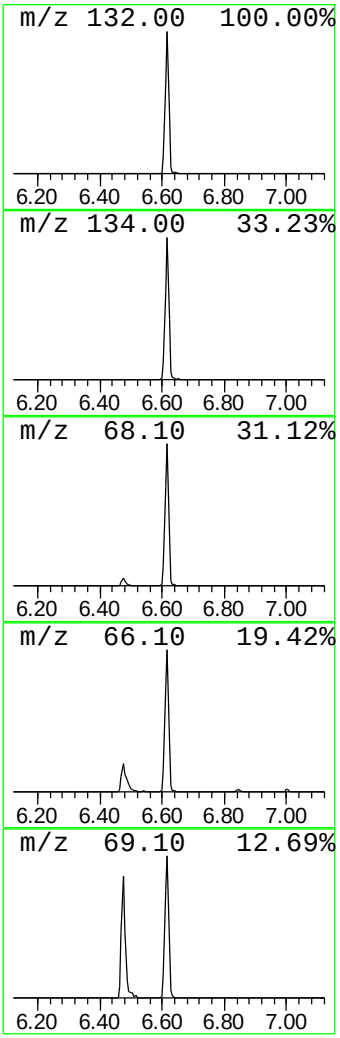
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	38.92 ng	480456	1,4-Dichlorobenzene-d4	6.85

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	17
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	1-Aminoindan	133	C9H11N	034698-41-4	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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TIC Library : C:\DATABASE\NIST11.L
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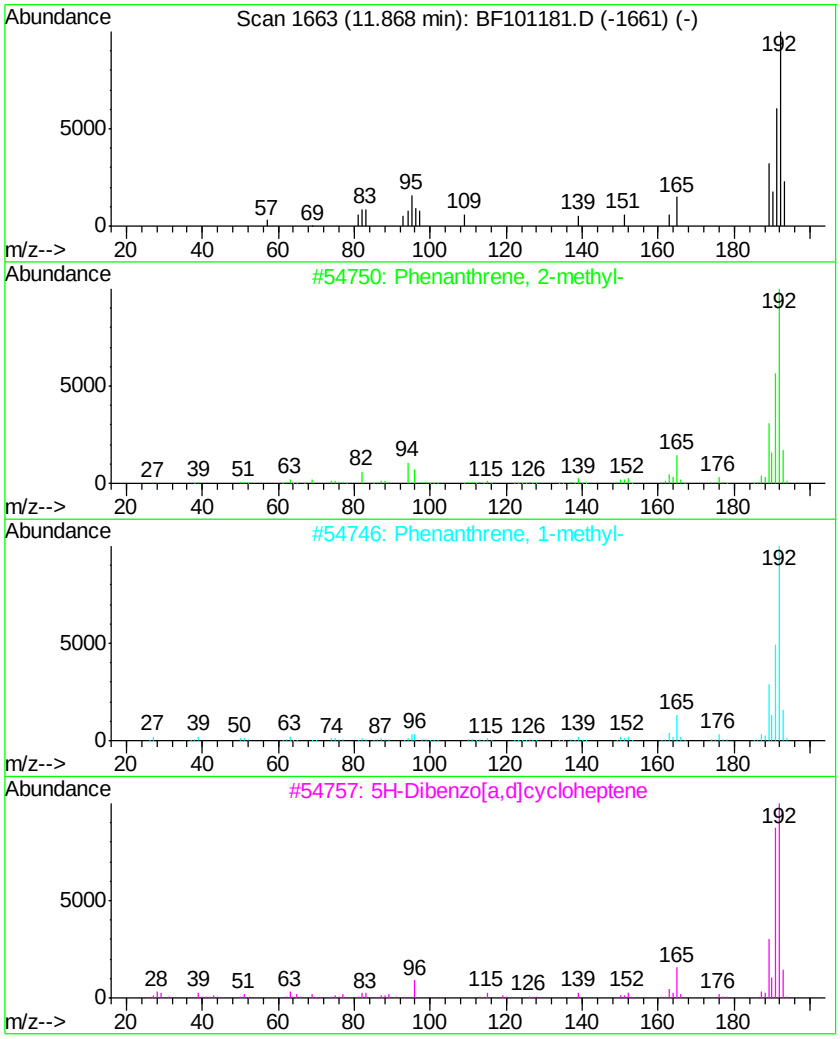
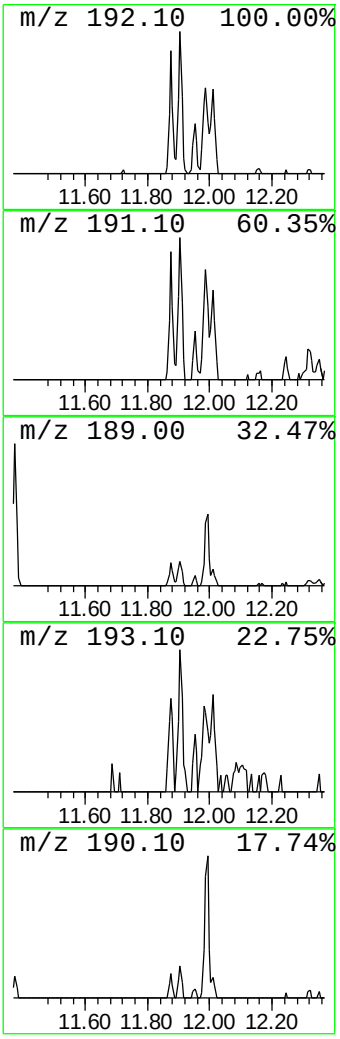
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.98 ng	39677	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Instrument : BNA_F
ClientSampleId : SB-11(0-2)-20171129

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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TIC Library : C:\DATABASE\NIST11.L
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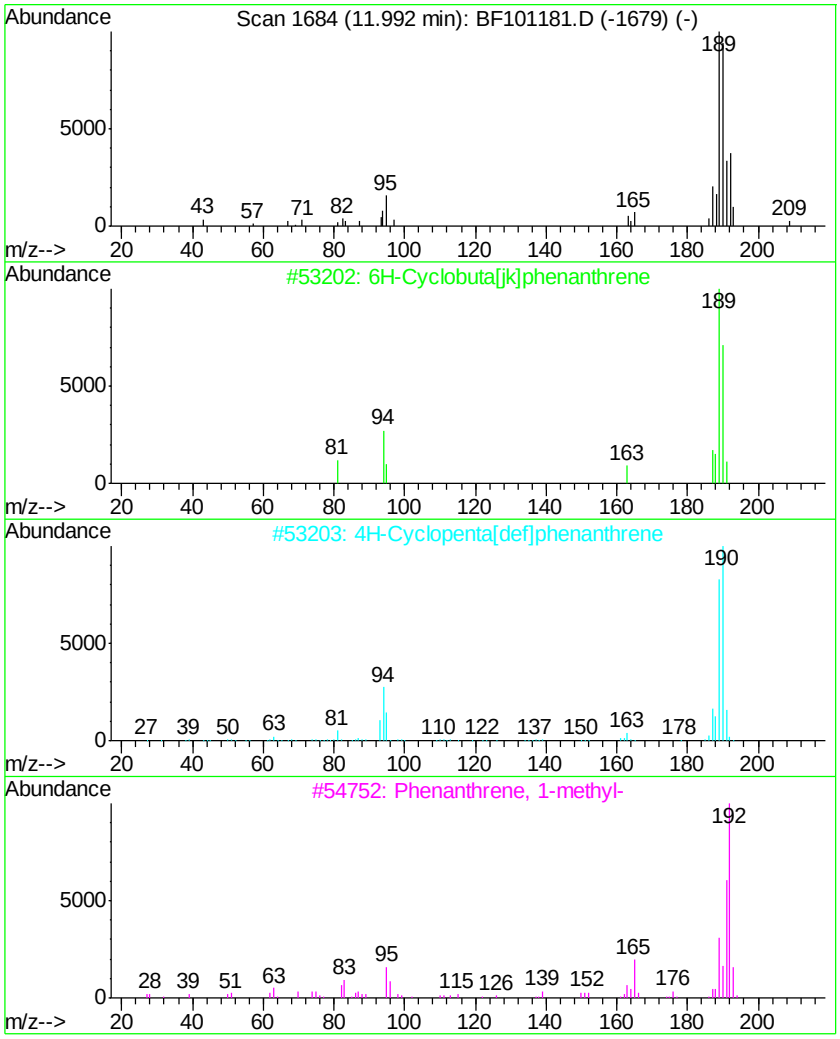
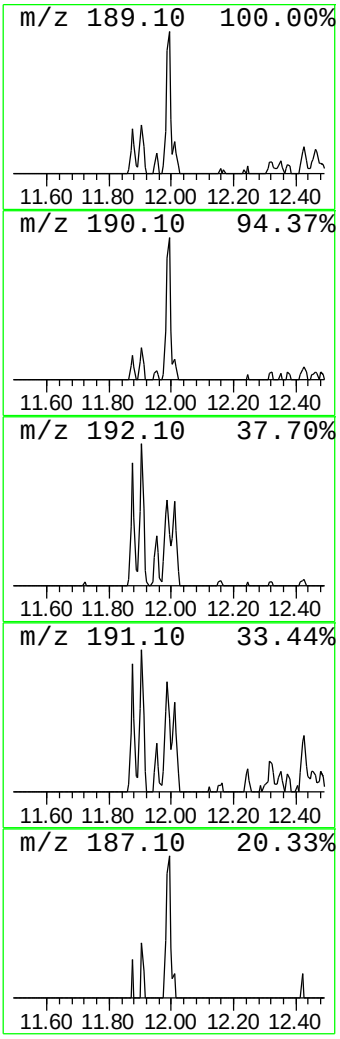
Peak Number 6 6H-Cyclobuta[jk]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	4.26 ng	56710	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(0-2)-20171129

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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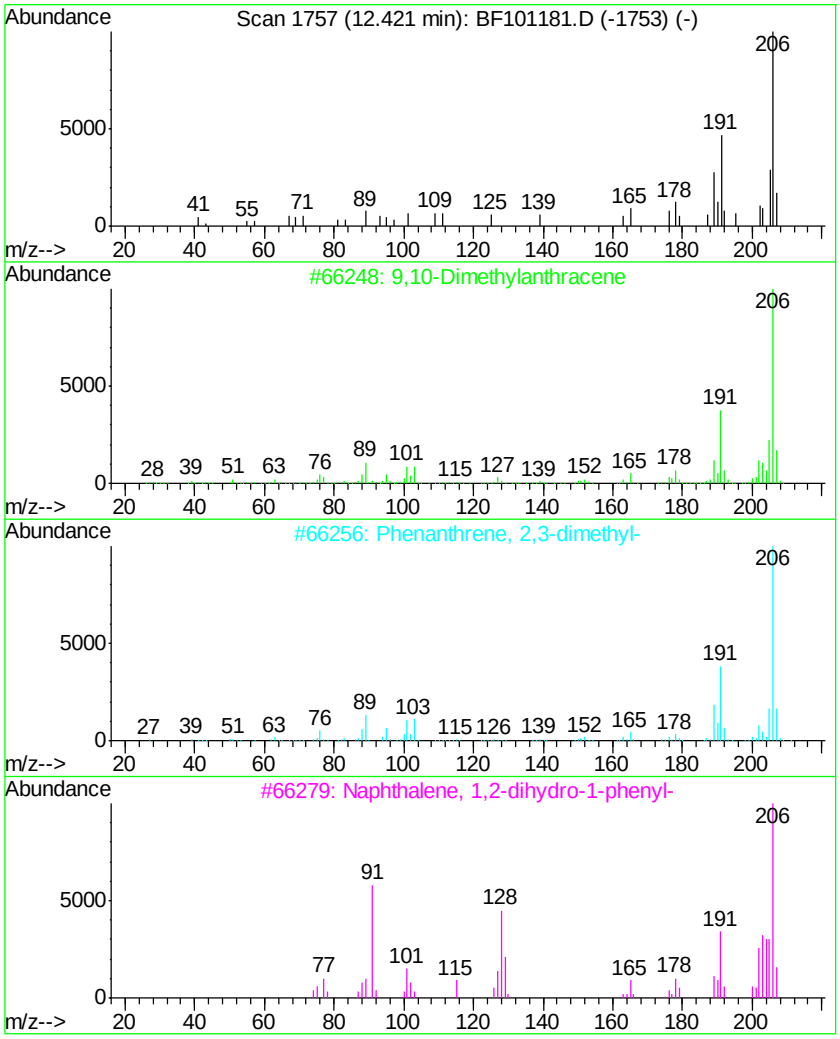
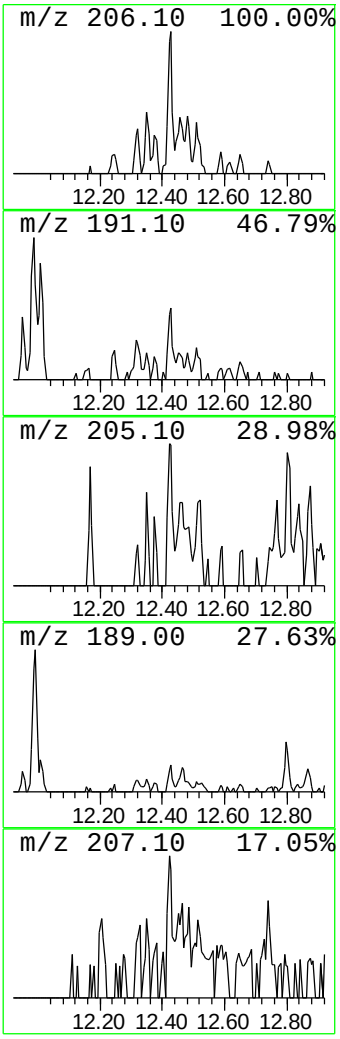
Peak Number 7 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.13 ng	28379	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	87
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	83





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Data File : BF101181.D
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Sample : I6640-01 2X
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Instrument : BNA_F
ClientSampleId : SB-11(0-2)-20171129

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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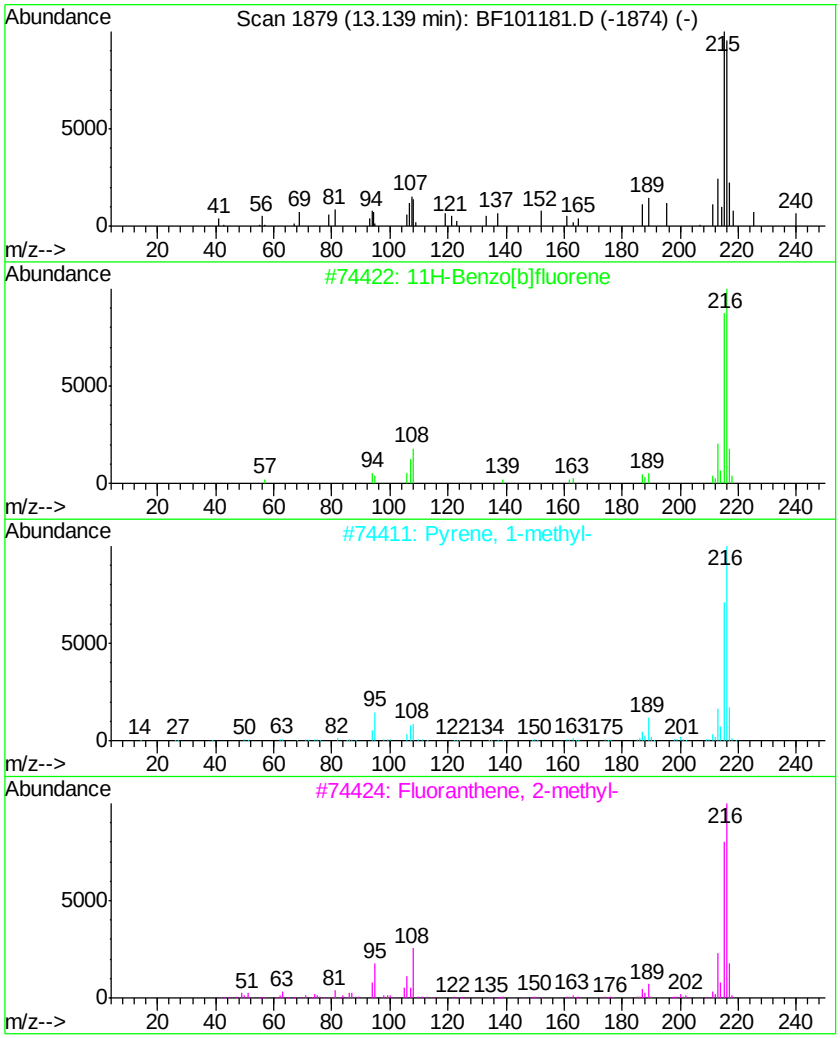
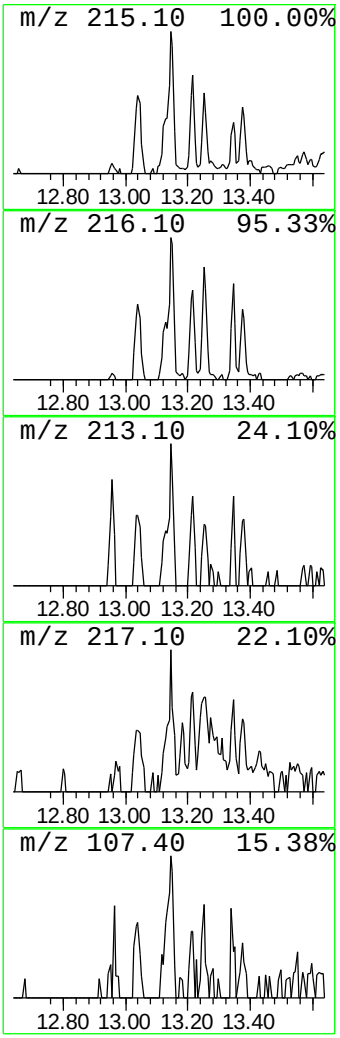
Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	2.63 ng	61888	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Data File : BF101181.D
Acq On : 6 Dec 2017 21:19
Operator : SJ/JU
Sample : I6640-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(0-2)-20171129

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

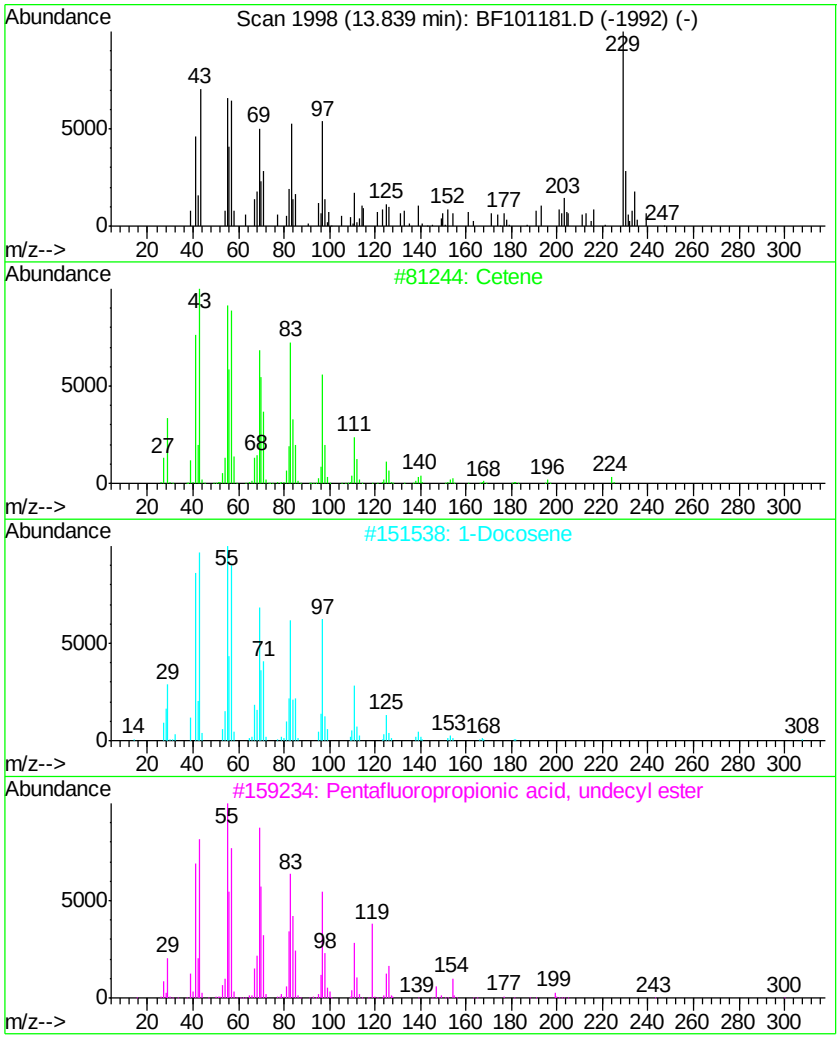
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

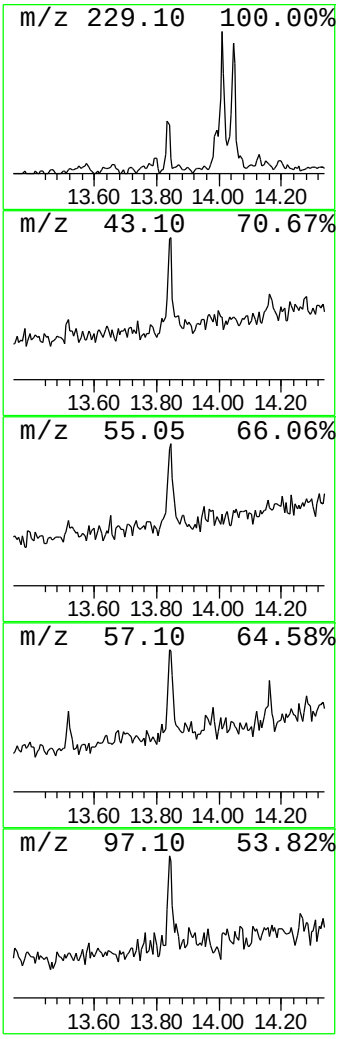
****

Peak Number 9 unknown13.84 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	3.41 ng	80135	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cetene	224	C16H32	000629-73-2	38
2	1-Docosene	308	C22H44	001599-67-3	30
3	Pentafluoropropionic acid, undec...	318	C14H23F5O2	959014-11-0	30
4	Piperazin-2-one, 3-[2-(4-methylp...	230	C13H14N2O2	063656-21-3	30
5	Dichloroacetic acid, tridecyl ester	310	C15H28Cl2O2	1000280-48-3	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101181.D
Acq On : 6 Dec 2017 21:19
Operator : SJ/JU
Sample : I6640-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(0-2)-20171129

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

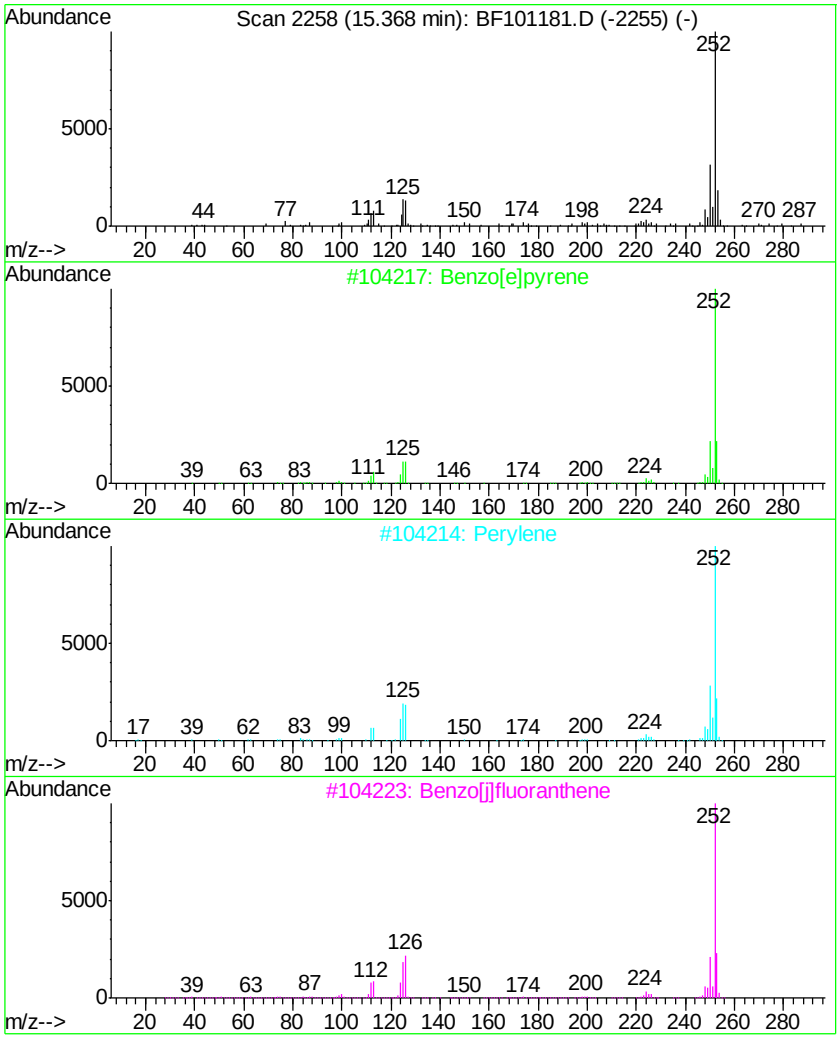
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

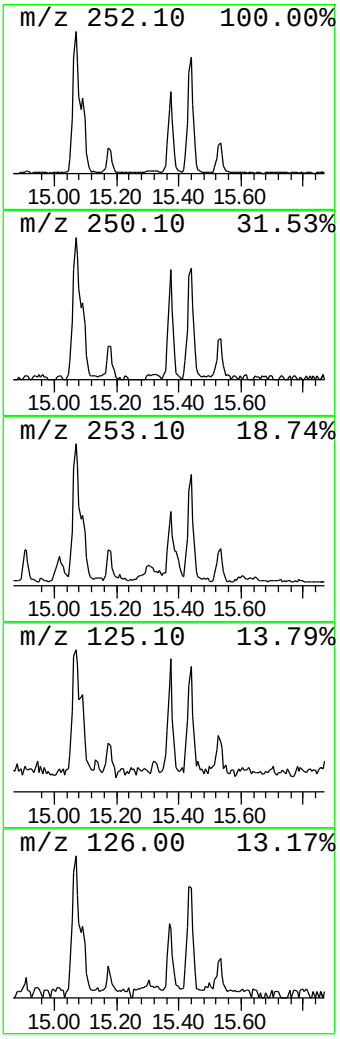
****

Peak Number 11 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	9.11 ng	114918	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	92
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120617\
Data File : BF101181.D
Acq On : 6 Dec 2017 21:19
Operator : SJ/JU
Sample : I6640-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-11(0-2)-20171129

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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...	5.06	2.2	ng	26792	1	6.85	246883	20.0
unknown6.62	6.62	38.9	ng	480456	1	6.85	246883	20.0
Phenanthrene, 2-m...	11.87	3.0	ng	39677	4	11.37	266247	20.0
6H-Cyclobuta[jk]p...	11.99	4.3	ng	56710	4	11.37	266247	20.0
9,10-Dimethylanth...	12.42	2.1	ng	28379	4	11.37	266247	20.0
11H-Benzo[b]fluorene	13.14	2.6	ng	61888	5	14.02	470126	20.0
unknown13.84	13.84	3.4	ng	80135	5	14.02	470126	20.0
Benzo[e]pyrene	15.37	9.1	ng	114918	6	15.50	252266	20.0