LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101024.D
Acq On : 30 Nov 2017 18:24
Operator : SJ/JU
Sample : I6610-10 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-7(0-2)-20171127

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	511	rBB	12099	12757	2.58%	0.208%
2	5.457	570	573	583	rBV	199481	203060	41.03%	3.314%
3	6.475	743	746	754	rBV	248583	214214	43.28%	3.496%
4	6.616	767	770	774	rBV	287584	224924	45.44%	3.671%
5	6.851	806	810	813	rBV	383259	295818	59.77%	4.828%
6	7.004	833	836	840	rBV	225023	176153	35.59%	2.875%
7	7.410	902	905	909	rBV	163600	126714	25.60%	2.068%
8	8.134	1024	1028	1031	rBV	493772	383917	77.57%	6.265%
9	8.845	1147	1149	1153	rBB	10322	7322	1.48%	0.119%
10	8.945	1163	1166	1168	rBV	9963	7239	1.46%	0.118%
11	9.204	1207	1210	1213	rBV	355612	257416	52.01%	4.201%
12	9.545	1264	1268	1270	rBV	7039	5926	1.20%	0.097%
13	9.598	1275	1277	1280	rVB	15926	11187	2.26%	0.183%
14	9.751	1299	1303	1306	rBB	5725	5804	1.17%	0.095%
15	9.810	1309	1313	1316	rBB	11204	10295	2.08%	0.168%
16	9.886	1322	1326	1330	rBV2	436949	380691	76.92%	6.213%
17	9.922	1330	1332	1335	rVB	30202	22555	4.56%	0.368%
18	10.092	1356	1361	1364	rVB	15475	13693	2.77%	0.223%
19	10.310	1395	1398	1401	rVB	10130	7706	1.56%	0.126%
20	10.433	1416	1419	1423	rBV	28390	23362	4.72%	0.381%
21	10.675	1457	1460	1466	rVB	134533	112291	22.69%	1.833%
22	10.780	1476	1478	1485	rBV2	6842	9251	1.87%	0.151%
23	10.986	1508	1513	1515	rBV2	5257	5750	1.16%	0.094%
24	11.180	1544	1546	1551	rVB	10247	8951	1.81%	0.146%
25	11.275	1557	1562	1565	rVB	10663	11335	2.29%	0.185%
26	11.375	1576	1579	1581	rBV	388404	326952	66.06%	5.336%
27	11.398	1581	1583	1587	rVV	267063	206027	41.63%	3.362%
28	11.451	1587	1592	1595	rVB	45872	38621	7.80%	0.630%
29	11.610	1613	1619	1622	rBV2	18449	21381	4.32%	0.349%
30	11.710	1633	1636	1641	rBV3	4819	5735	1.16%	0.094%
31	11.874	1661	1664	1666	rBV	30310	33744	6.82%	0.551%
32	11.904	1666	1669	1673	rVV2	46035	54208	10.95%	0.885%
33	11.951	1675	1677	1680	rVV	13026	10630	2.15%	0.173%
34	11.992	1680	1684	1686	rVV2	38056	44563	9.00%	0.727%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6610-10 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-7(0-2)-20171127

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

35	12.010	1686	1687	1691	rVB	20934	14726	2.98%	0.240%
36	12.174	1710	1715	1717	rBV	15222	13992	2.83%	0.228%
37	12.204	1717	1720	1723	rVV2	18349	17324	3.50%	0.283%
38	12.322	1738	1740	1742	rVB	7896	5316	1.07%	0.087%
39	12.351	1742	1745	1747	rBV	5301	5084	1.03%	0.083%
40	12.427	1752	1758	1760	rBV	16666	16558	3.35%	0.270%
41	12.469	1760	1765	1766	rVV4	8470	14098	2.85%	0.230%
42	12.516	1770	1773	1777	rBV3	13307	14145	2.86%	0.231%
43	12.592	1782	1786	1789	rBV	256189	229494	46.37%	3.745%
44	12.680	1798	1801	1806	rBV3	30560	31555	6.38%	0.515%
45	12.739	1810	1811	1815	rVV	9333	8010	1.62%	0.131%
46	12.822	1818	1825	1828	rVV	207808	231935	46.86%	3.785%
47	12.869	1830	1833	1837	rVB3	11771	12827	2.59%	0.209%
48	12.957	1841	1848	1851	rVV	239585	210479	42.53%	3.435%
49	12.980	1851	1852	1855	rVB	17765	10994	2.22%	0.179%
50	13.121	1873	1876	1877	rBV2	17030	13831	2.79%	0.226%
51	13.145	1877	1880	1884	rVB	30288	34784	7.03%	0.568%
52	13.216	1889	1892	1894	rBV	17603	14789	2.99%	0.241%
53	13.251	1894	1898	1902	rBV4	25000	29234	5.91%	0.477%
54	13.345	1909	1914	1917	rBV2	15486	26470	5.35%	0.432%
55	13.374	1917	1919	1922	rVV	15306	15141	3.06%	0.247%
56	13.398	1922	1923	1927	rVB3	9035	7226	1.46%	0.118%
57	13.486	1936	1938	1940	rVB2	8726	8054	1.63%	0.131%
58	13.533	1943	1946	1948	rBV4	8803	10714	2.16%	0.175%
59	13.633	1960	1963	1964	rBV3	6264	6300	1.27%	0.103%
60	13.657	1964	1967	1971	rVB	21838	24888	5.03%	0.406%
61	13.768	1981	1986	1988	rBV2	26909	36591	7.39%	0.597%
62	13.792	1988	1990	1992	rVV	16272	11162	2.26%	0.182%
63	13.821	1992	1995	1996	rBV	16178	13351	2.70%	0.218%
64	13.863	2001	2002	2006	rVB	30313	23113	4.67%	0.377%
65	13.939	2013	2015	2017	rBV2	8638	7690	1.55%	0.125%
66	14.016	2021	2028	2031	rVV2	402140	494948	100.00%	8.077%
67	14.045	2031	2033	2038	rVV	116033	105117	21.24%	1.715%
68	14.104	2040	2043	2044	rBV3	12256	9365	1.89%	0.153%
69	14.121	2044	2046	2049	rVB	20714	17593	3.55%	0.287%
70	14.363	2085	2087	2089	rBV3	13526	9983	2.02%	0.163%
71	14.404	2092	2094	2096	rVB	30264	22238	4.49%	0.363%

LSC Area Percent Report

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Sample : I6610-10 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-7(0-2)-20171127

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	13999	12060	2.44%	0.197%
73	15.063	2202	2206	2212	rBV	113769	190454	38.48%	3.108%
74	15.168	2222	2224	2227	rBV	20068	17758	3.59%	0.290%
75	15.363	2254	2257	2263	rVB	60076	79300	16.02%	1.294%
76	15.427	2264	2268	2275	rVB	99823	128789	26.02%	2.102%
77	15.492	2275	2279	2283	rBV	302225	379729	76.72%	6.197%
78	16.180	2392	2396	2405	rVB5	54677	119987	24.24%	1.958%
79	16.621	2467	2471	2476	rVB4	43715	69327	14.01%	1.131%
80	16.968	2526	2530	2537	rBV2	38294	71007	14.35%	1.159%

Sum of corrected areas: 6127722

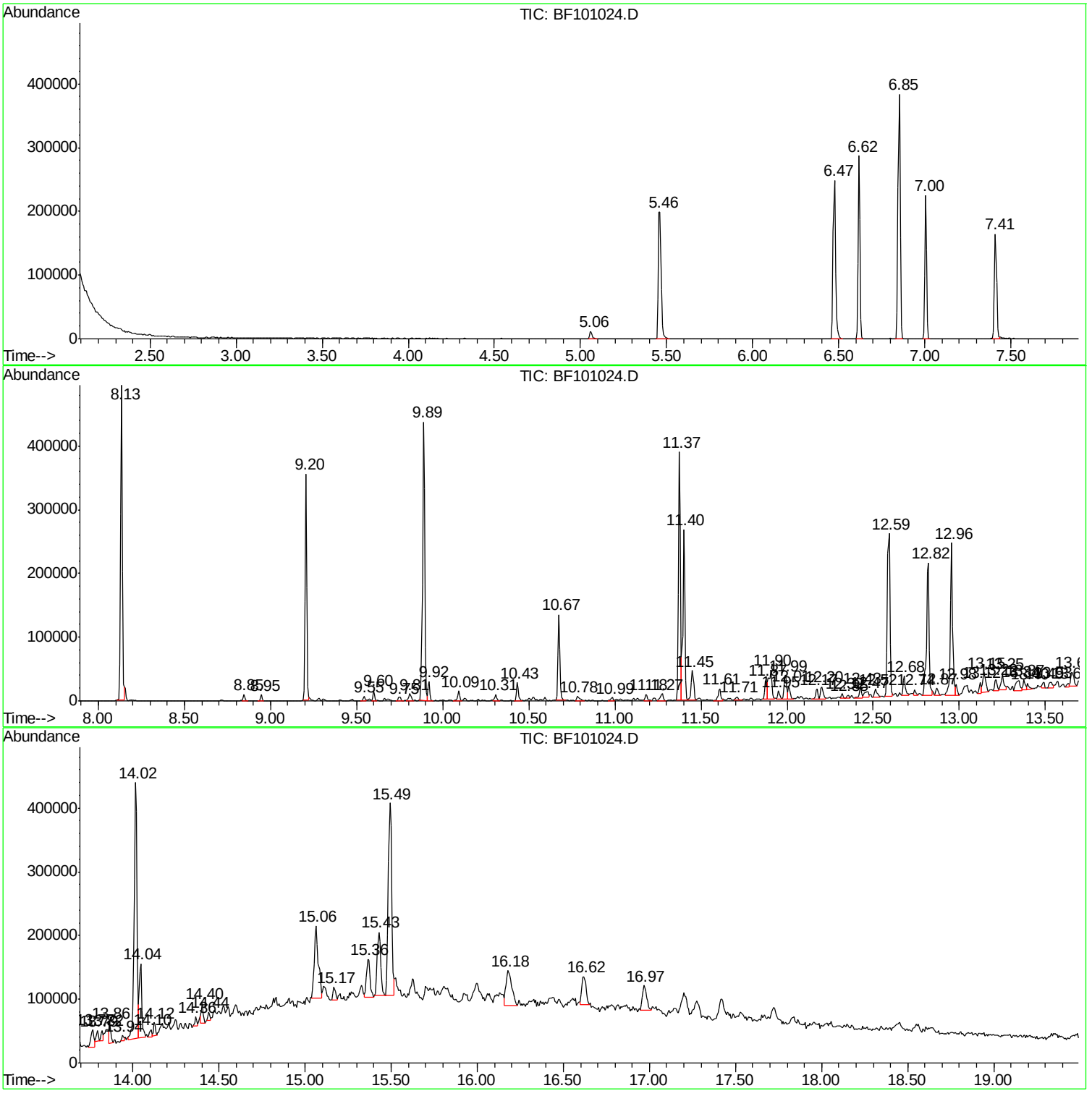
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101024.D
Acq On : 30 Nov 2017 18:24
Operator : SJ/JU
Sample : I6610-10 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)-20171127

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101024.D
Acq On : 30 Nov 2017 18:24
Operator : SJ/JU
Sample : I6610-10 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-7(0-2)-20171127

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

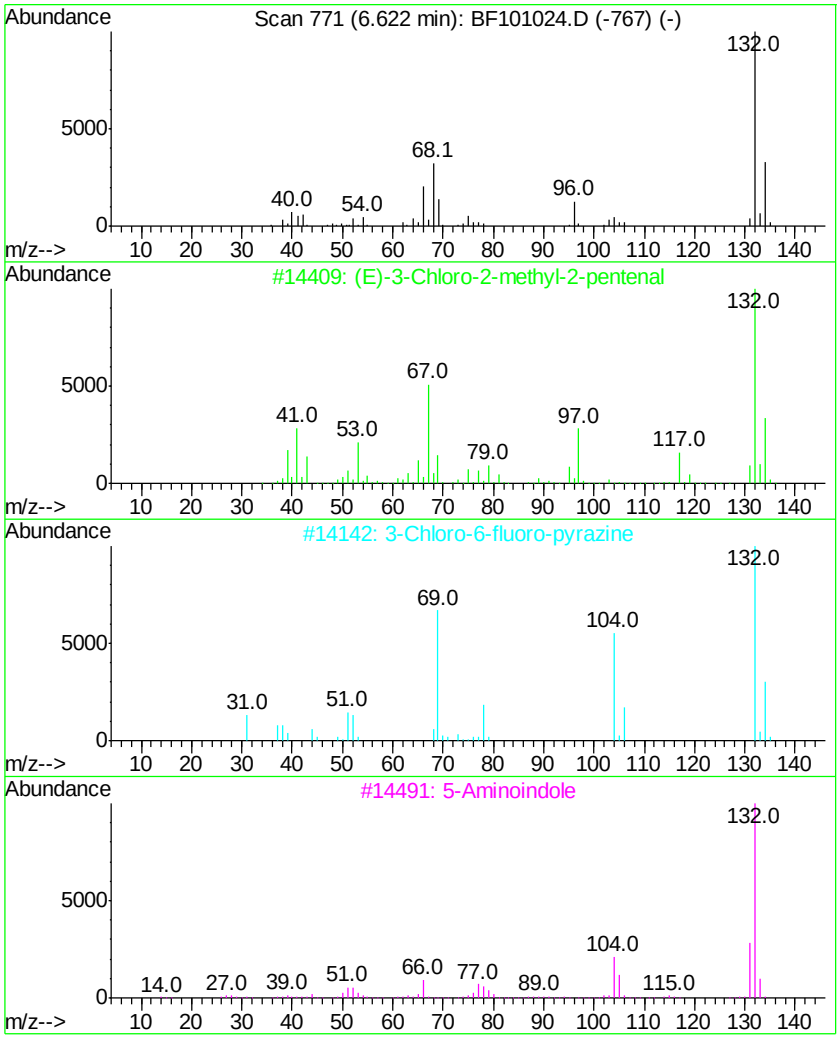
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

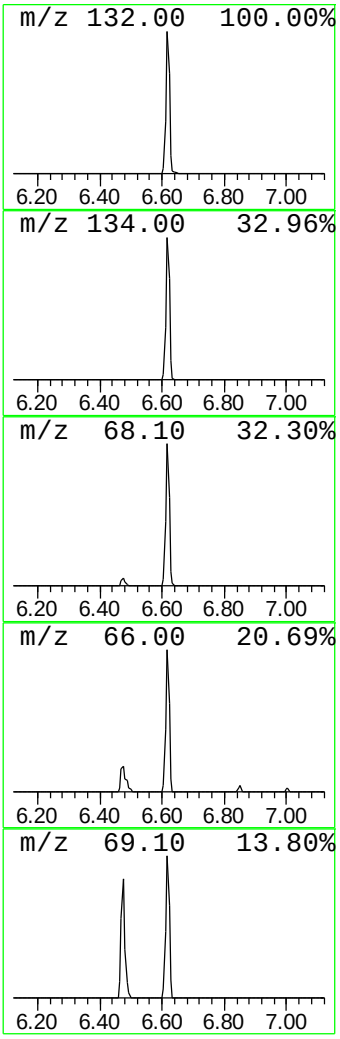
****

Peak Number 1 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	15.21 ng	224924	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
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Sample : I6610-10 5X
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Instrument : BNA_F
ClientSampleId : SB-7(0-2)-20171127

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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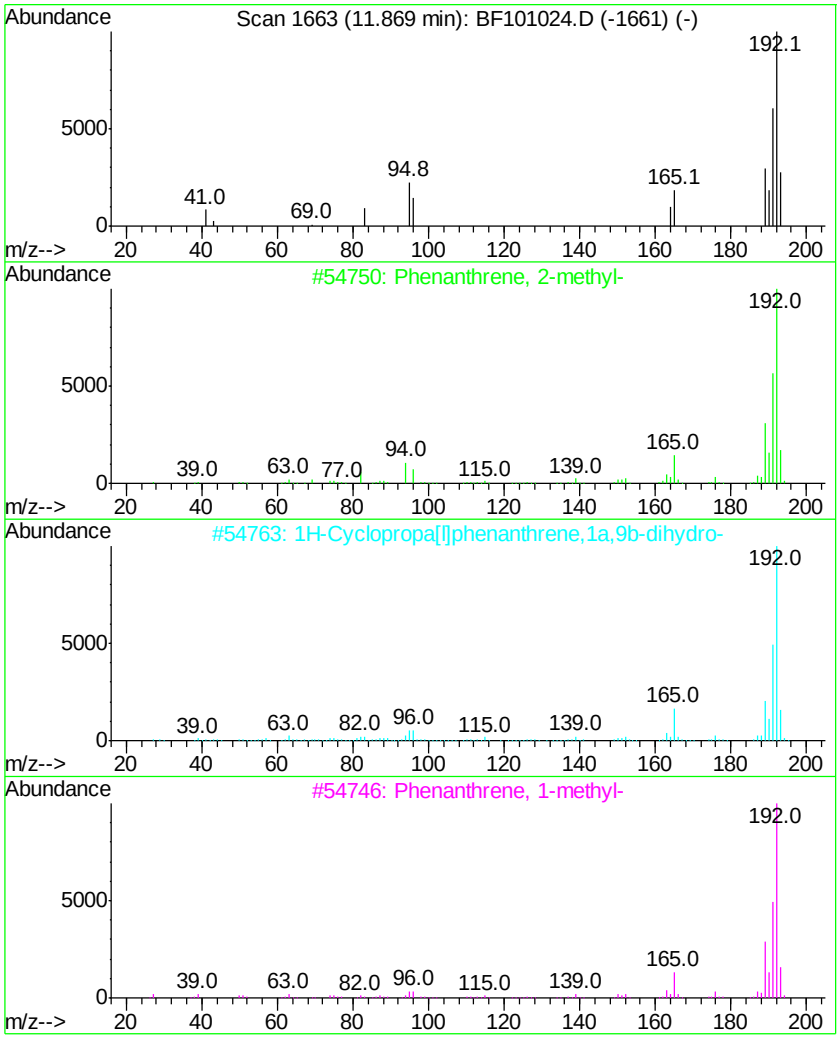
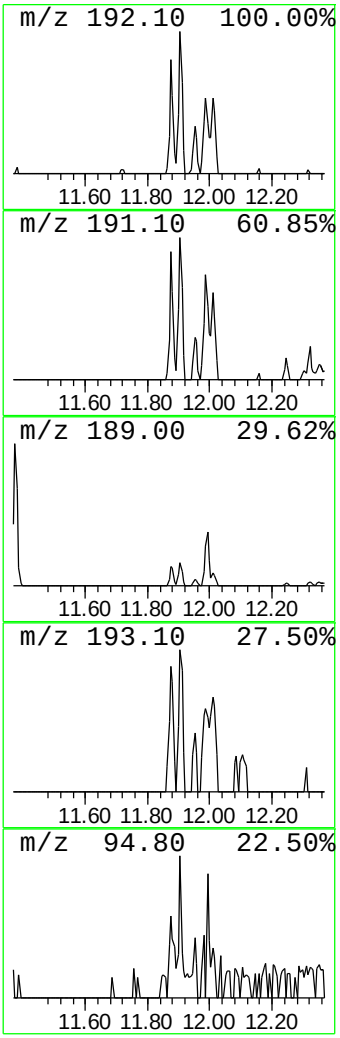
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.06 ng	33744	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101024.D
Acq On : 30 Nov 2017 18:24
Operator : SJ/JU
Sample : I6610-10 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-7(0-2)-20171127

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

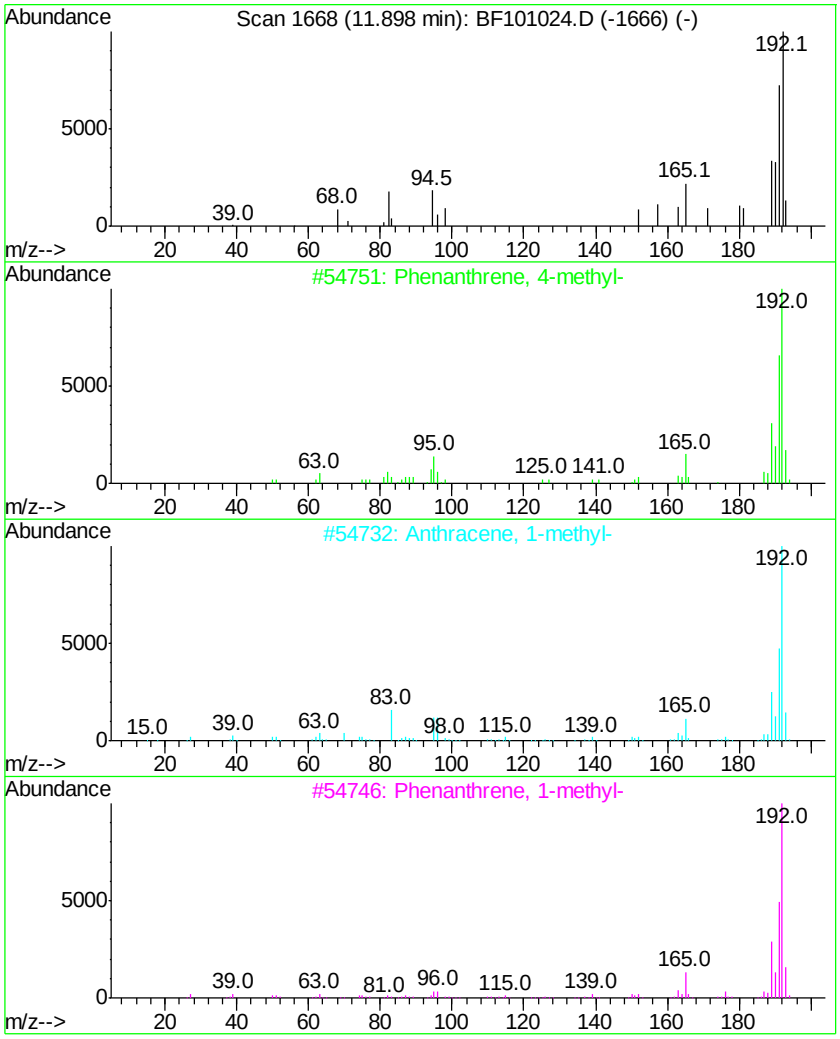
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

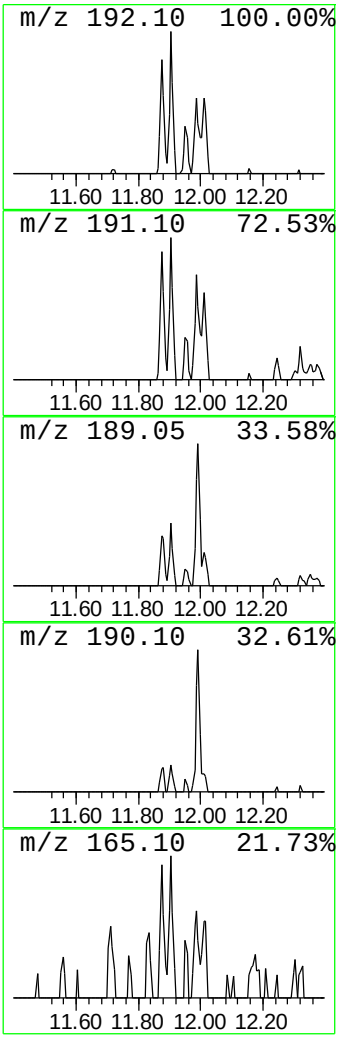
****

Peak Number 4 Phenanthrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.32 ng	54208	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
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Sample : I6610-10 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-7(0-2)-20171127

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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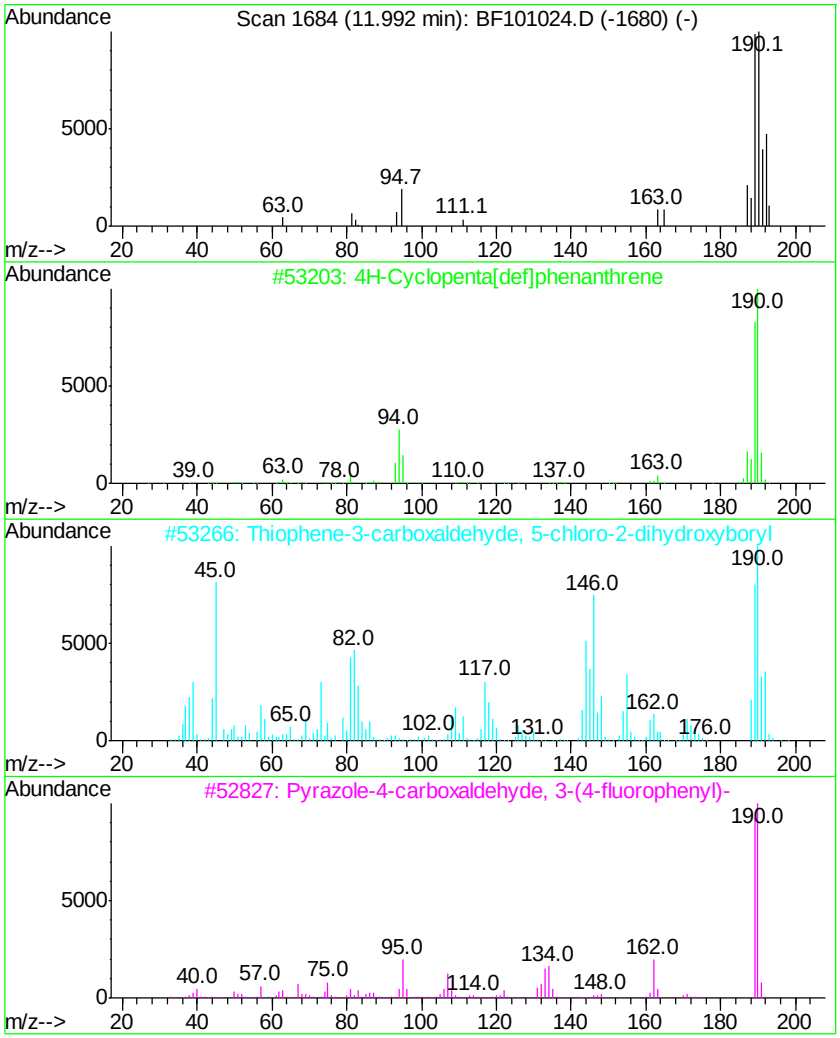
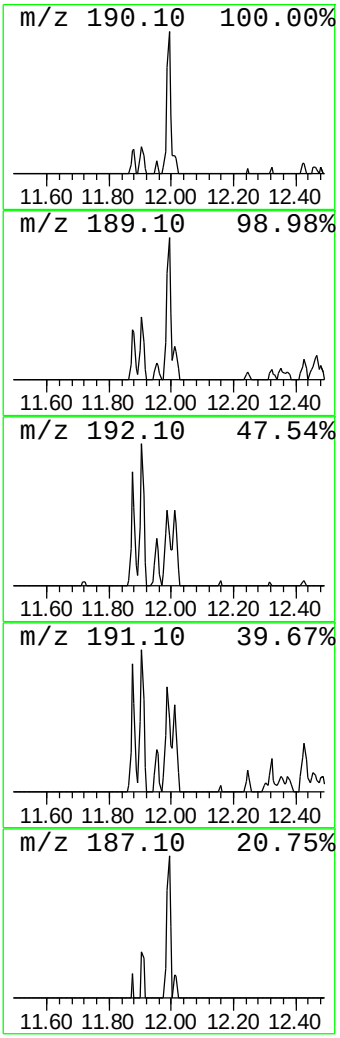
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.73 ng	44563	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	47
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	5-Thiazolecarboxamide, 4-amino-2...	189	C5H7N3OS2	1000338-08-9	22





Library Search Compound Report

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Operator : SJ/JU
Sample : I6610-10 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-7(0-2)-20171127

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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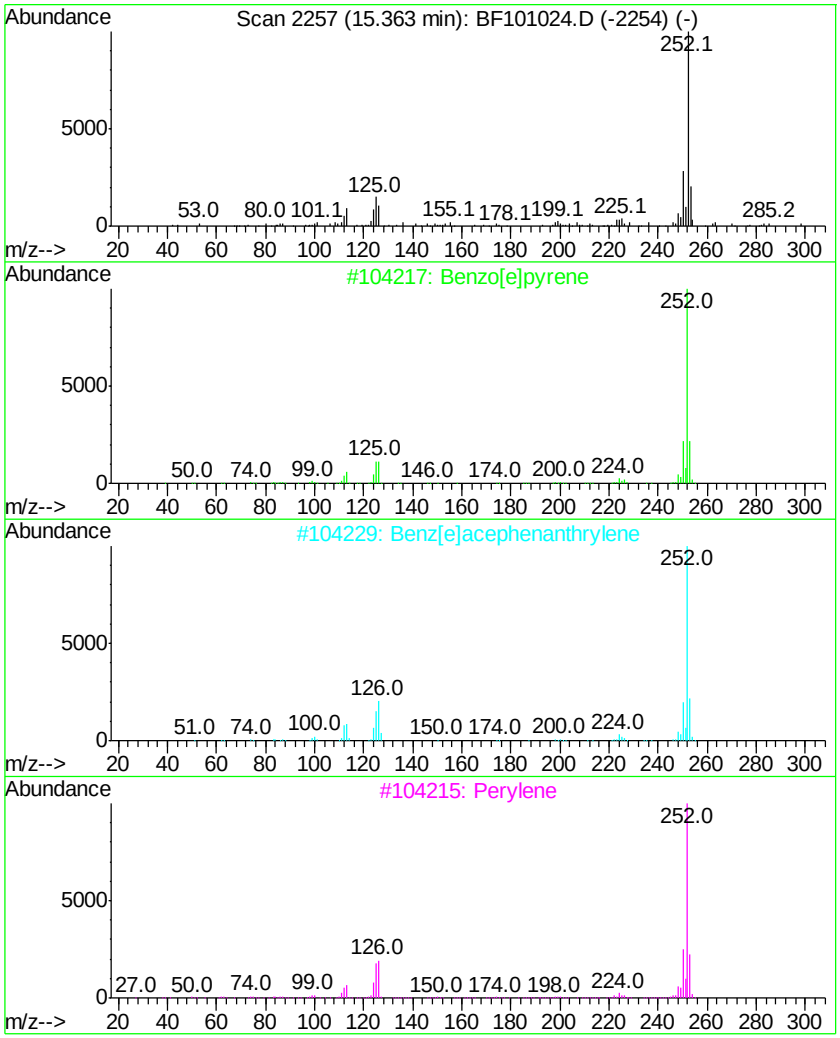
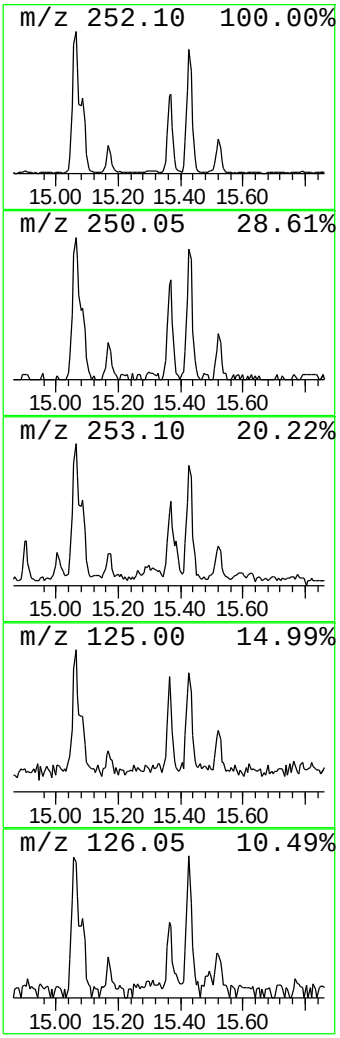
Peak Number 6 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	4.18 ng	79300	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
3	Perylene	252	C20H12	000198-55-0	89
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	87
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101024.D
Acq On : 30 Nov 2017 18:24
Operator : SJ/JU
Sample : I6610-10 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-7(0-2)-20171127

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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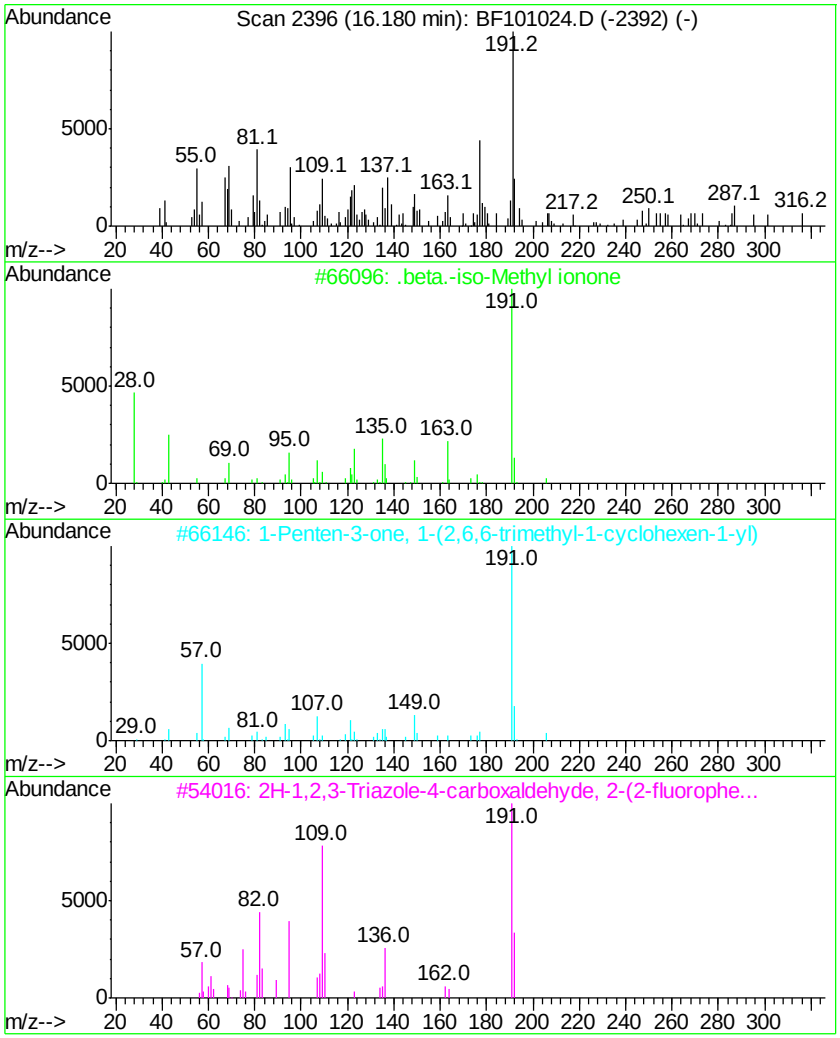
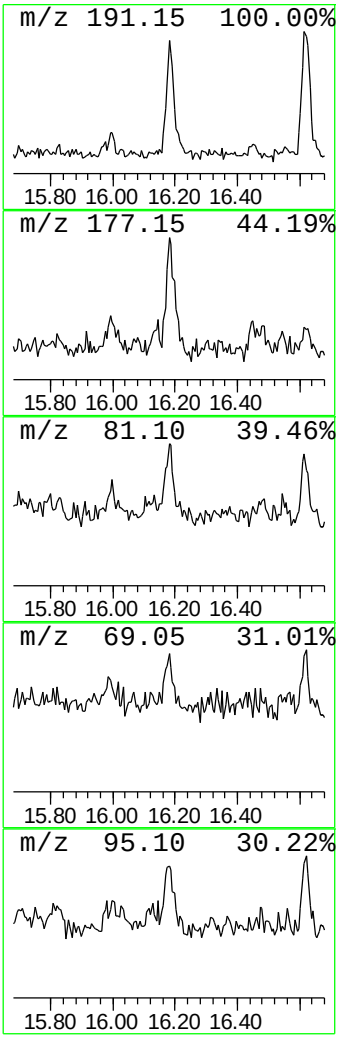
Peak Number 7 unknown16.18 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	6.32 ng	119987	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	47
2	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	46
3	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	43
4	6-(2-Fluoro-phenyl)-5-nitro-pipe...	238	C11H11FN2O3	1000275-16-4	38
5	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	37





Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101024.D
Acq On : 30 Nov 2017 18:24
Operator : SJ/JU
Sample : I6610-10 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-7(0-2)-20171127

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

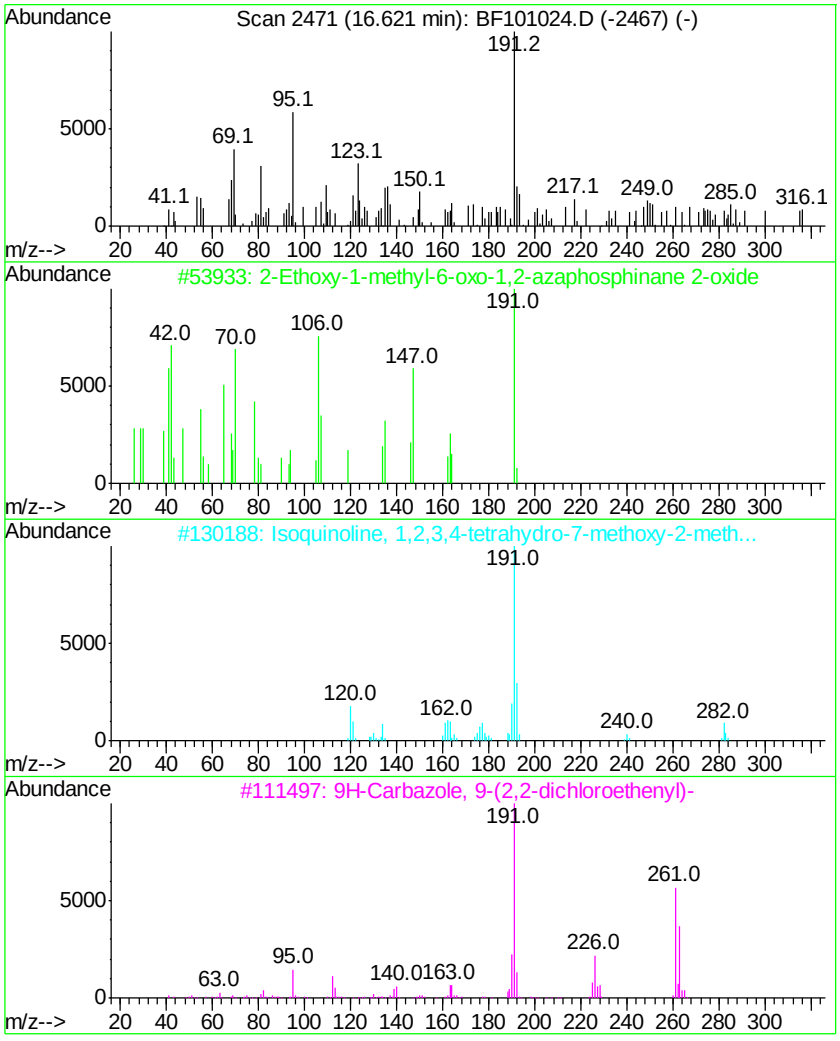
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

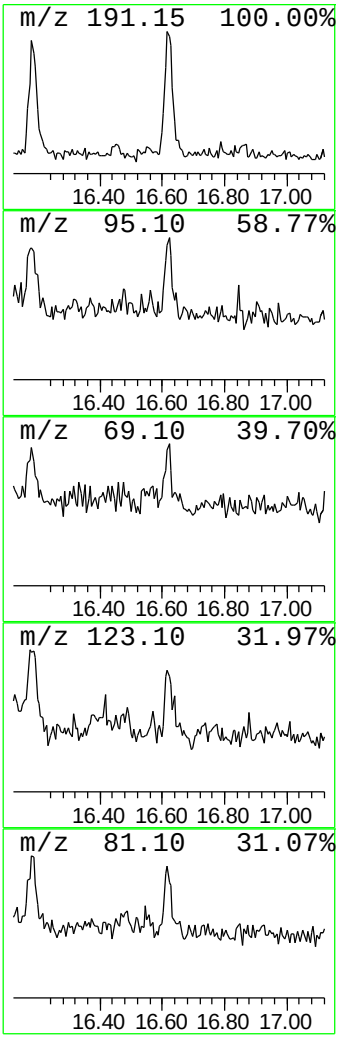
****

Peak Number 8 unknown16.62 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	3.65 ng	69327	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethoxy-1-methyl-6-oxo-1,2-azap...	191	C7H14NO3P	093989-00-5	46
2	Isoquinoline, 1,2,3,4-tetrahydro...	283	C18H21NO2	036646-87-4	45
3	9H-Carbazole, 9-(2,2-dichloroeth...	261	C14H9Cl2N	1000327-36-1	38
4	4H-Benzo[def]carbazole	191	C14H9N	000203-65-6	38
5	2,4,7-Pteridinetriamine, 6-methyl-	191	C7H9N7	017539-50-3	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113017\
Data File : BF101024.D
Acq On : 30 Nov 2017 18:24
Operator : SJ/JU
Sample : I6610-10 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-7(0-2)-20171127

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
unknown6.62	6.62	15.2	ng	224924	1	6.85	295818	20.0
Phenanthrene, 2-m...	11.87	2.1	ng	33744	4	11.37	326952	20.0
Phenanthrene, 4-m...	11.90	3.3	ng	54208	4	11.37	326952	20.0
4H-Cyclopenta[def...	11.99	2.7	ng	44563	4	11.37	326952	20.0
Benzo[e]pyrene	15.36	4.2	ng	79300	6	15.49	379729	20.0
unknown16.18	16.18	6.3	ng	119987	6	15.49	379729	20.0
unknown16.62	16.62	3.6	ng	69327	6	15.49	379729	20.0