LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
Data File : BF102024.D
Acq On : 11 Jan 2018 17:52
Operator : SJ/JU
Sample : J1081-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-121-1(10-12)

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-BF010918.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	4.934	479	484	490	rVB	272156	371203	8.52%	0.870%
2	5.339	547	553	556	rBV	3872143	4357877	100.00%	10.213%
3	6.363	721	727	731	rBV	3900028	4239515	97.28%	9.935%
4	6.498	745	750	753	rBV	4041215	4247147	97.46%	9.953%
5	6.728	785	789	792	rBV	1437168	1152618	26.45%	2.701%
6	6.881	811	815	819	rBV	3502747	3362812	77.17%	7.881%
7	7.292	879	885	888	rBV	2821471	2701668	62.00%	6.331%
8	8.004	1002	1006	1009	rBV	1582784	1424372	32.68%	3.338%
9	8.957	1165	1168	1173	rBV	65362	57332	1.32%	0.134%
10	9.086	1185	1190	1193	rBV	4503202	3831768	87.93%	8.980%
11	9.169	1200	1204	1209	rBV2	99878	99430	2.28%	0.233%
12	9.480	1253	1257	1260	rBV	516684	436445	10.02%	1.023%
13	9.616	1277	1280	1286	rBV	84010	91659	2.10%	0.215%
14	9.692	1291	1293	1298	rVV	200555	178214	4.09%	0.418%
15	9.757	1298	1304	1308	rVV2	1396969	1275935	29.28%	2.990%
16	9.792	1308	1310	1314	rVB	51781	44508	1.02%	0.104%
17	9.922	1326	1332	1335	rBV5	25870	46670	1.07%	0.109%
18	9.957	1335	1338	1341	rVV2	50103	51995	1.19%	0.122%
19	10.169	1370	1374	1376	rBV	196189	167257	3.84%	0.392%
20	10.192	1376	1378	1382	rVB	200630	162478	3.73%	0.381%
21	10.304	1394	1397	1402	rVB	66257	64302	1.48%	0.151%
22	10.416	1410	1416	1418	rBV2	57617	72860	1.67%	0.171%
23	10.545	1433	1438	1441	rBV	2023896	1817468	41.71%	4.259%
24	10.669	1456	1459	1467	rVB	155424	177522	4.07%	0.416%
25	10.851	1486	1490	1493	rBV5	37699	45166	1.04%	0.106%
26	11.116	1527	1535	1537	rBV4	60738	75827	1.74%	0.178%
27	11.239	1552	1556	1558	rBV	1155057	981349	22.52%	2.300%
28	11.263	1558	1560	1564	rVV	592728	458752	10.53%	1.075%
29	11.316	1564	1569	1572	rVV	137697	130330	2.99%	0.305%
30	11.468	1590	1595	1601	rBV2	56933	65836	1.51%	0.154%
31	11.739	1638	1641	1643	rBV	100534	85608	1.96%	0.201%
32	11.768	1643	1646	1651	rVB2	235440	233719	5.36%	0.548%
33	11.851	1656	1660	1662	rVV	151881	158205	3.63%	0.371%
34	11.874	1662	1664	1668	rVB	78407	63024	1.45%	0.148%

LSC Area Percent Report

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Operator : SJ/JU
Sample : J1081-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-121-1(10-12)

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-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.039	1689	1692	1693	rBV	58197	49830	1.14%	0.117%
36	12.286	1731	1734	1737	rBV	74629	70249	1.61%	0.165%
37	12.327	1737	1741	1743	rVV4	40403	59053	1.36%	0.138%
38	12.368	1746	1748	1753	rVB3	44976	53787	1.23%	0.126%
39	12.445	1758	1761	1765	rBV	590525	539573	12.38%	1.264%
40	12.674	1791	1800	1803	rBV	626398	690394	15.84%	1.618%
41	12.727	1807	1809	1813	rVB3	46300	47478	1.09%	0.111%
42	12.827	1822	1826	1829	rBV	2777295	2477362	56.85%	5.806%
43	12.892	1832	1837	1841	rBV3	59552	103240	2.37%	0.242%
44	13.004	1853	1856	1859	rVB	104514	108049	2.48%	0.253%
45	13.068	1864	1867	1870	rVV	72017	67564	1.55%	0.158%
46	13.104	1870	1873	1876	rVV2	115059	121342	2.78%	0.284%
47	13.198	1886	1889	1892	rBV	58806	49964	1.15%	0.117%
48	13.227	1892	1894	1897	rBV	58009	48493	1.11%	0.114%
49	13.310	1905	1908	1913	rVB3	62532	70056	1.61%	0.164%
50	13.510	1939	1942	1947	rVB	55452	69854	1.60%	0.164%
51	13.621	1956	1961	1964	rBV2	70741	119905	2.75%	0.281%
52	13.651	1964	1966	1968	rBV	62711	53293	1.22%	0.125%
53	13.721	1974	1978	1985	rVB2	299676	291931	6.70%	0.684%
54	13.874	1999	2004	2006	rBV2	1233532	1422370	32.64%	3.333%
55	13.898	2006	2008	2015	rVB	385878	339209	7.78%	0.795%
56	14.257	2066	2069	2073	rVB	84723	77477	1.78%	0.182%
57	14.292	2073	2075	2079	rVB	64252	58368	1.34%	0.137%
58	14.357	2083	2086	2088	rVB3	56813	52457	1.20%	0.123%
59	14.509	2109	2112	2116	rBV2	92918	117112	2.69%	0.274%
60	14.886	2172	2176	2179	rBV	321167	471914	10.83%	1.106%
61	14.986	2191	2193	2197	rVB	96646	97097	2.23%	0.228%
62	15.168	2221	2224	2229	rVB	203748	246465	5.66%	0.578%
63	15.227	2230	2234	2239	rBV	304510	353871	8.12%	0.829%
64	15.292	2240	2245	2248	rBV	905370	1083428	24.86%	2.539%
65	15.786	2326	2329	2332	rBV5	49963	74202	1.70%	0.174%
66	16.656	2472	2477	2486	rVB2	128204	260697	5.98%	0.611%
67	17.074	2543	2548	2554	rBV	98165	194439	4.46%	0.456%

Sum of corrected areas: 42671394

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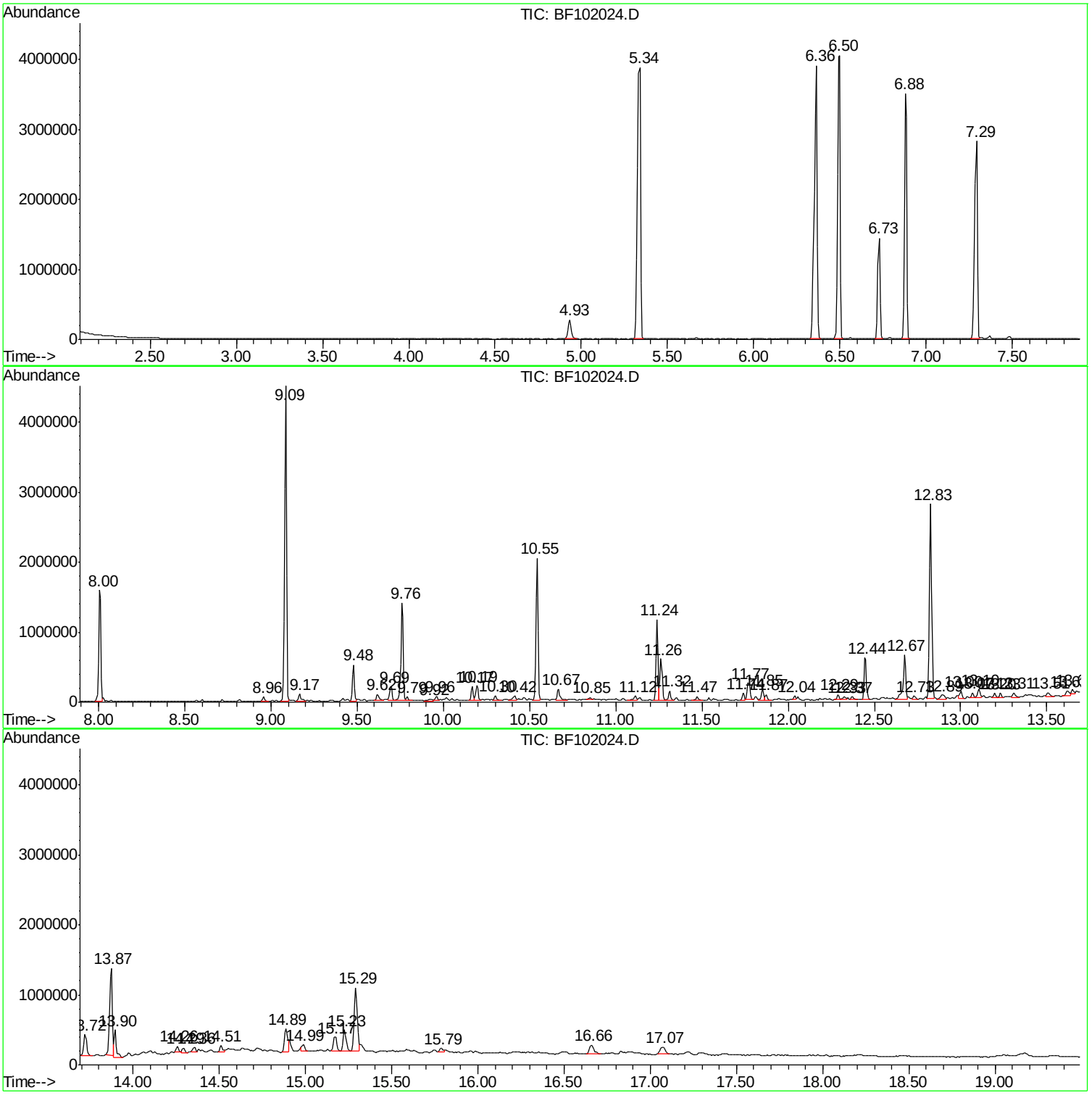
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-121-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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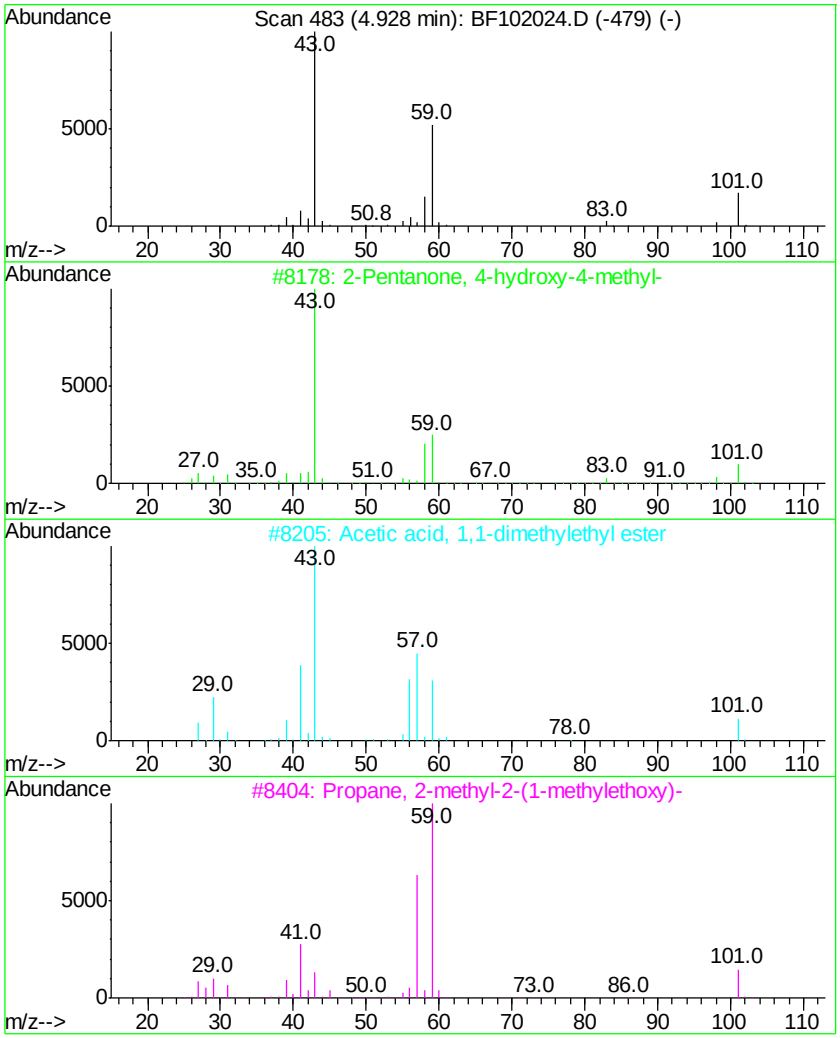
TIC Integration Parameters: LSCINT.P

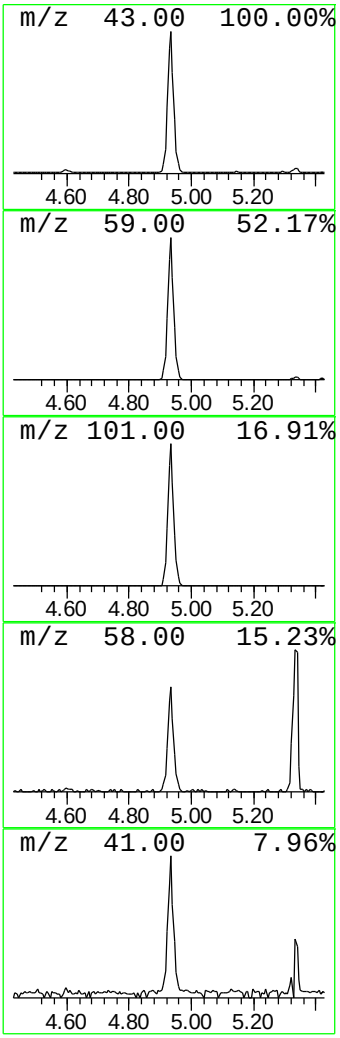
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	6.44 ng	371203	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
Data File : BF102024.D
Acq On : 11 Jan 2018 17:52
Operator : SJ/JU
Sample : J1081-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-121-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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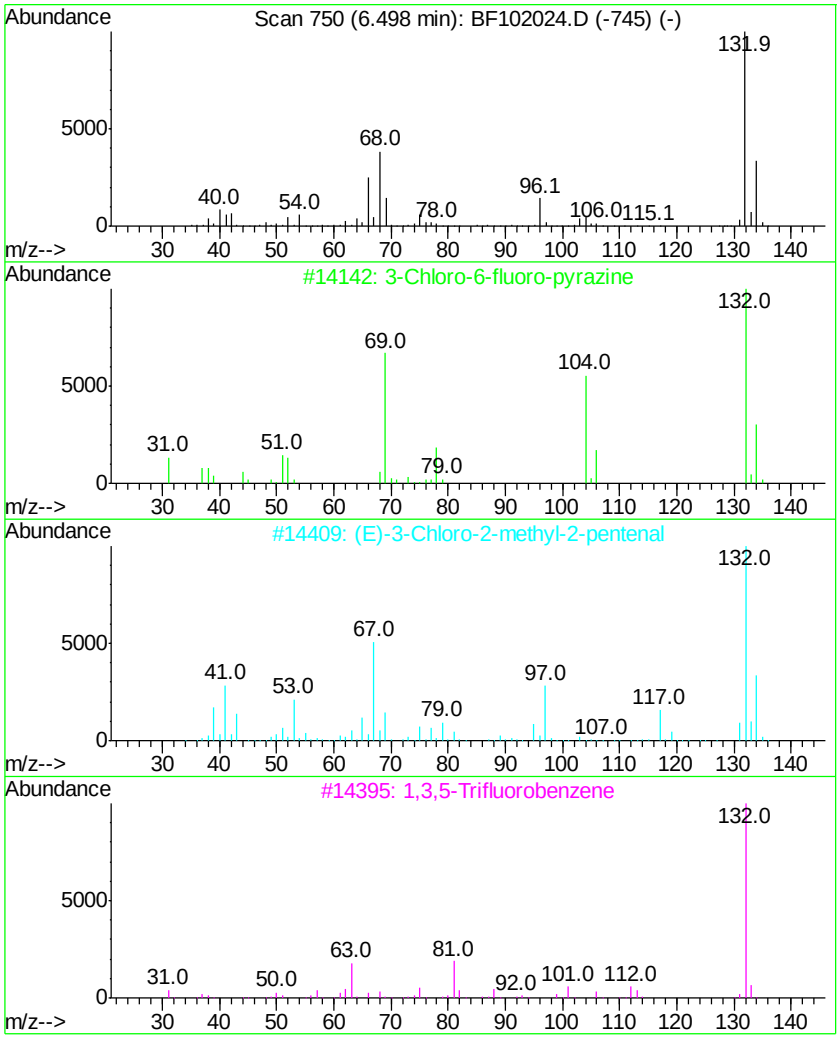
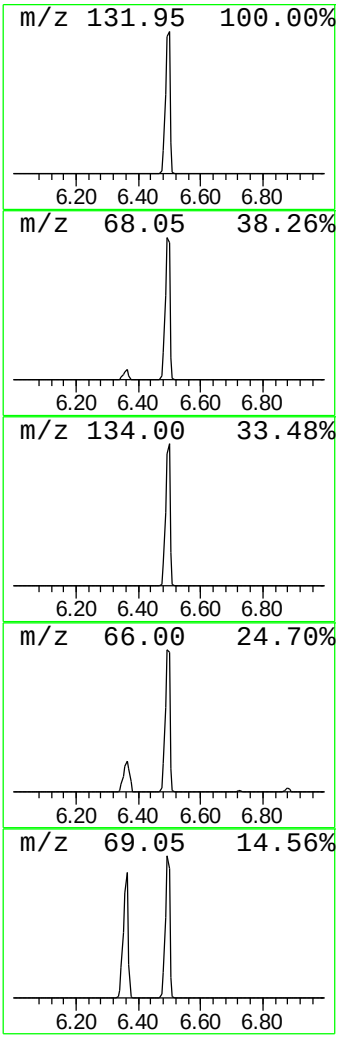
****

Peak Number 2 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	73.70 ng	4247150	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
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Sample : J1081-02
Misc :
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Instrument : BNA_F
ClientSampleId : EPE-121-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
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TIC Library : C:\DATABASE\NIST11.L
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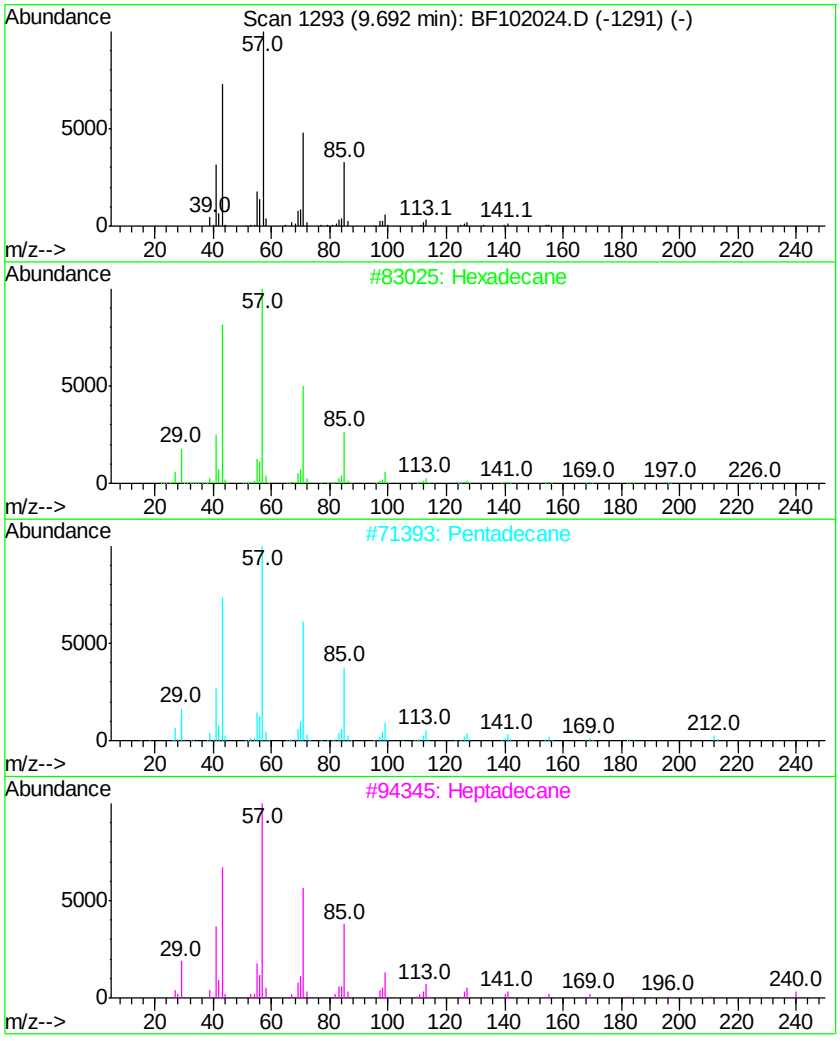
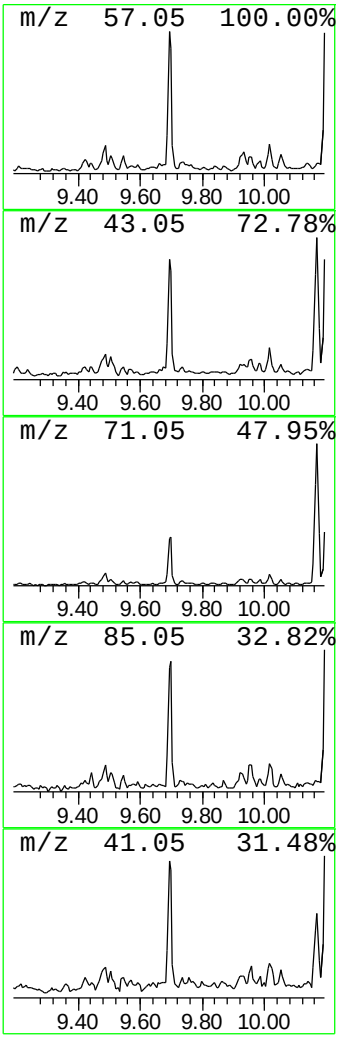
****

Peak Number 4 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	2.79 ng	178214	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Pentadecane	212	C15H32	000629-62-9	90
3	Heptadecane	240	C17H36	000629-78-7	83
4	Tetradecane	198	C14H30	000629-59-4	80
5	Tridecane	184	C13H28	000629-50-5	78





Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
Data File : BF102024.D
Acq On : 11 Jan 2018 17:52
Operator : SJ/JU
Sample : J1081-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-121-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
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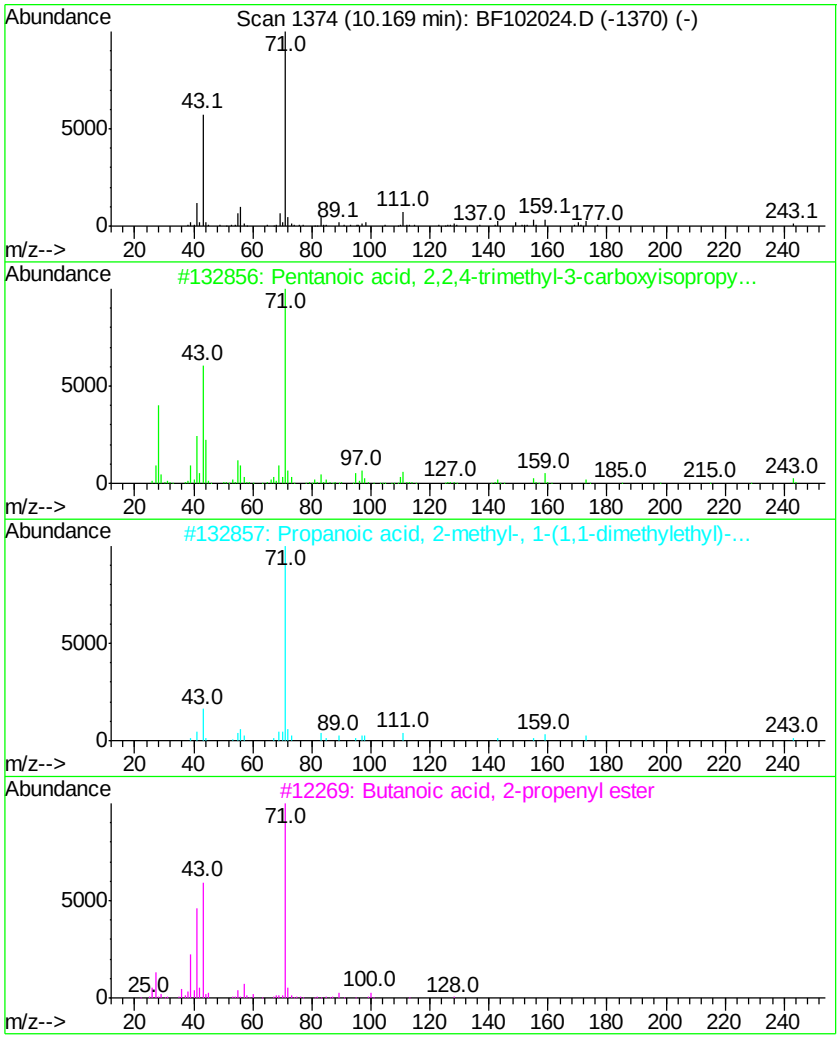
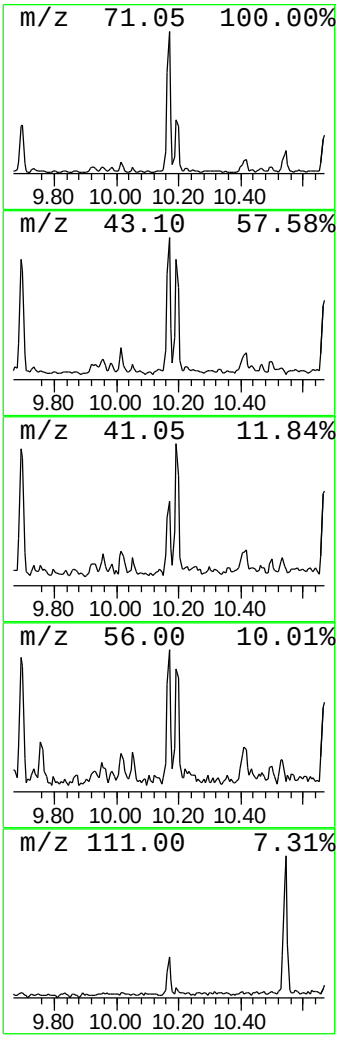
****

Peak Number 5 Pentanoic acid, 2,2,4-trime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	2.62 ng	167257	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 2,2,4-trimethyl-...	286	C16H30O4	1000140-77-5	64
2	Propanoic acid, 2-methyl-, 1-(1,...	286	C16H30O4	074381-40-1	64
3	Butanoic acid, 2-propenyl ester	128	C7H12O2	002051-78-7	53
4	diethyl-2-(tetrahydrofuran-2-yl)...	244	C12H20O5	1000365-67-0	45
5	4-Hexen-3-ol, 2-methyl-	114	C7H14O	004798-60-1	42





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Instrument : BNA_F
ClientSampleId : EPE-121-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
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TIC Library : C:\DATABASE\NIST11.L
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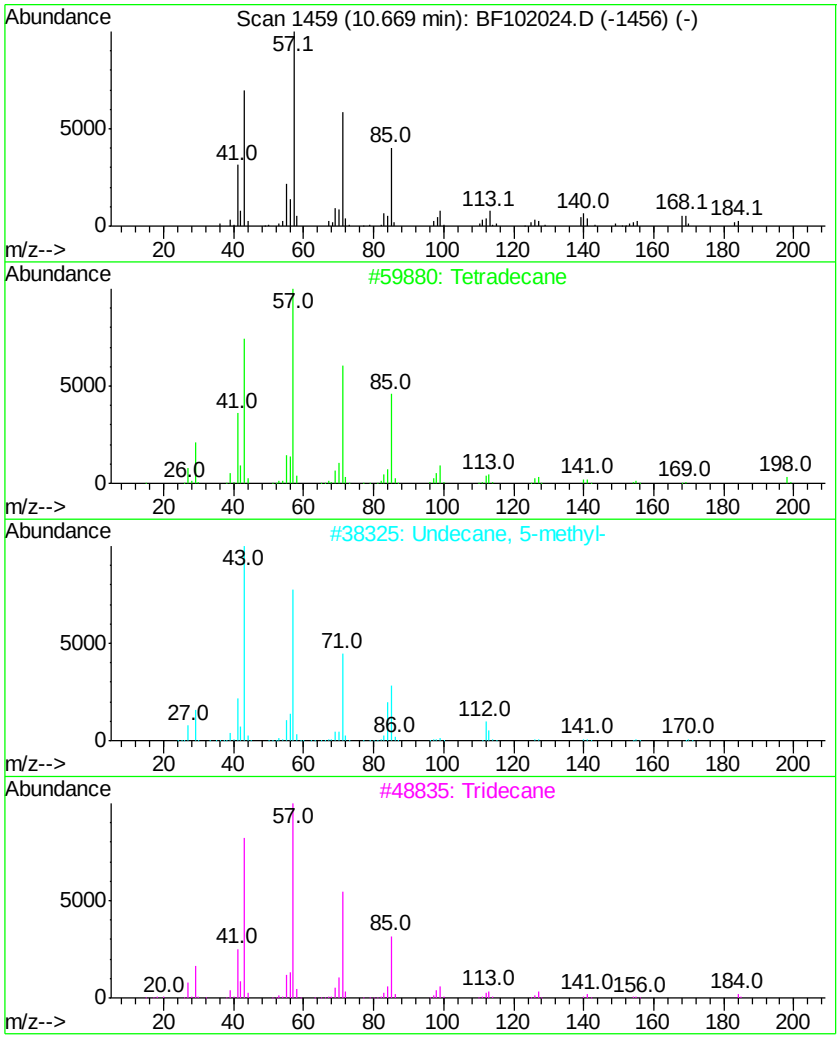
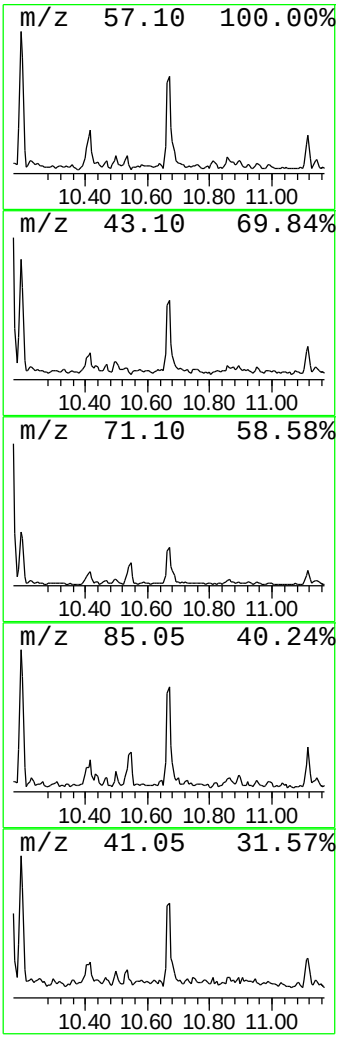
****

Peak Number 7 Tetradecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	3.62 ng	177522	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	72
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	64
3	Tridecane	184	C13H28	000629-50-5	64
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	64
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	58





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Sample : J1081-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-121-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

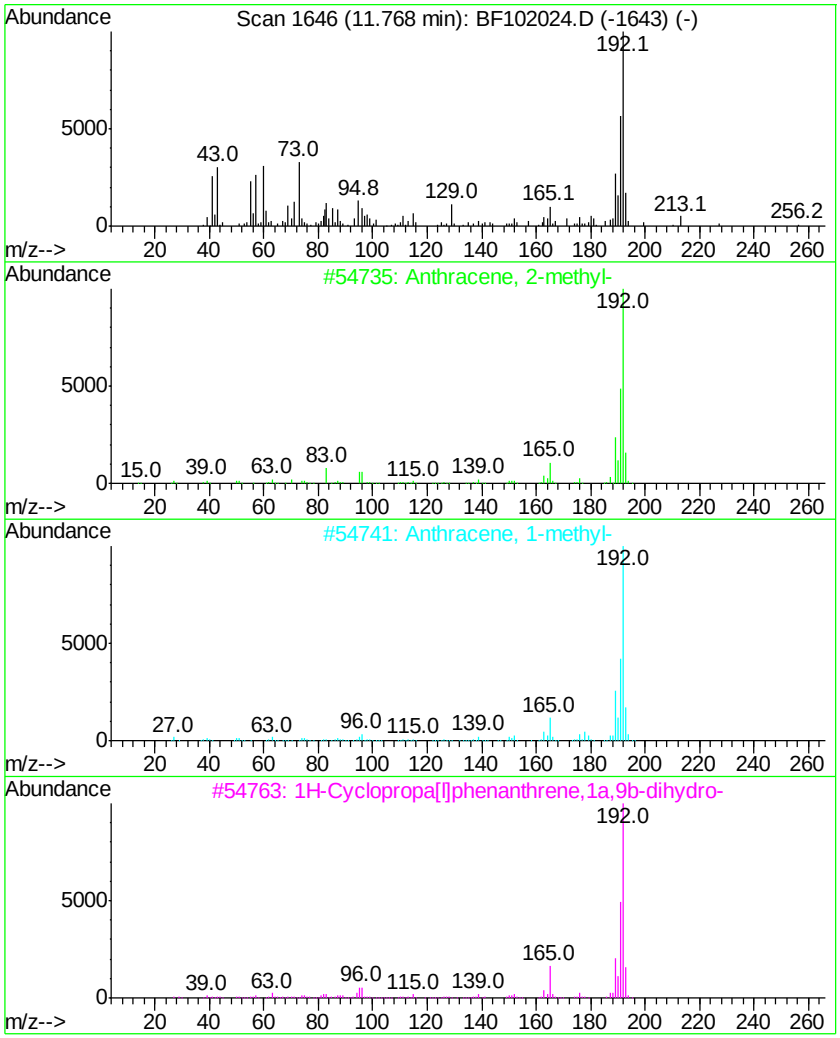
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

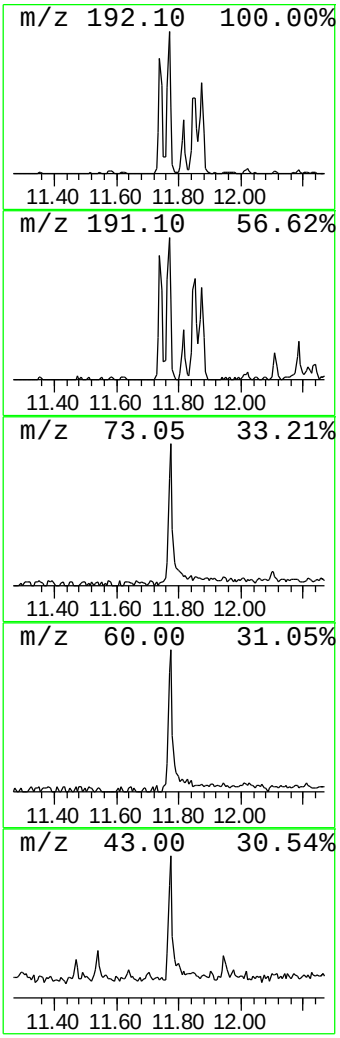
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	4.76 ng	233719	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83





Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
Data File : BF102024.D
Acq On : 11 Jan 2018 17:52
Operator : SJ/JU
Sample : J1081-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-121-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

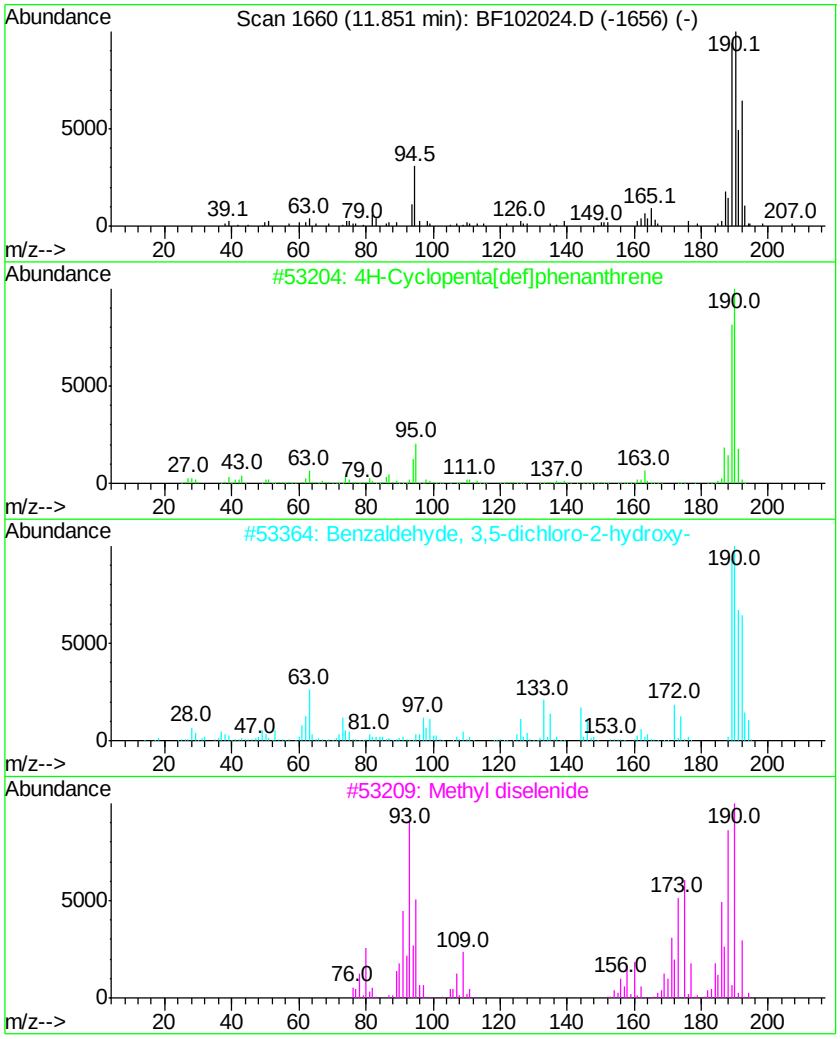
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

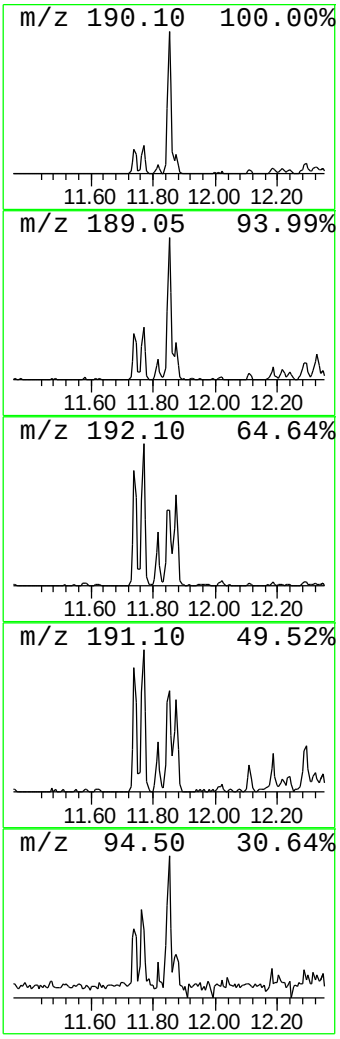
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	3.22 ng	158205	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	59
3	Methyl diselenide	190	C2H6Se2	007101-31-7	30
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25





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Data File : BF102024.D
Acq On : 11 Jan 2018 17:52
Operator : SJ/JU
Sample : J1081-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-121-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

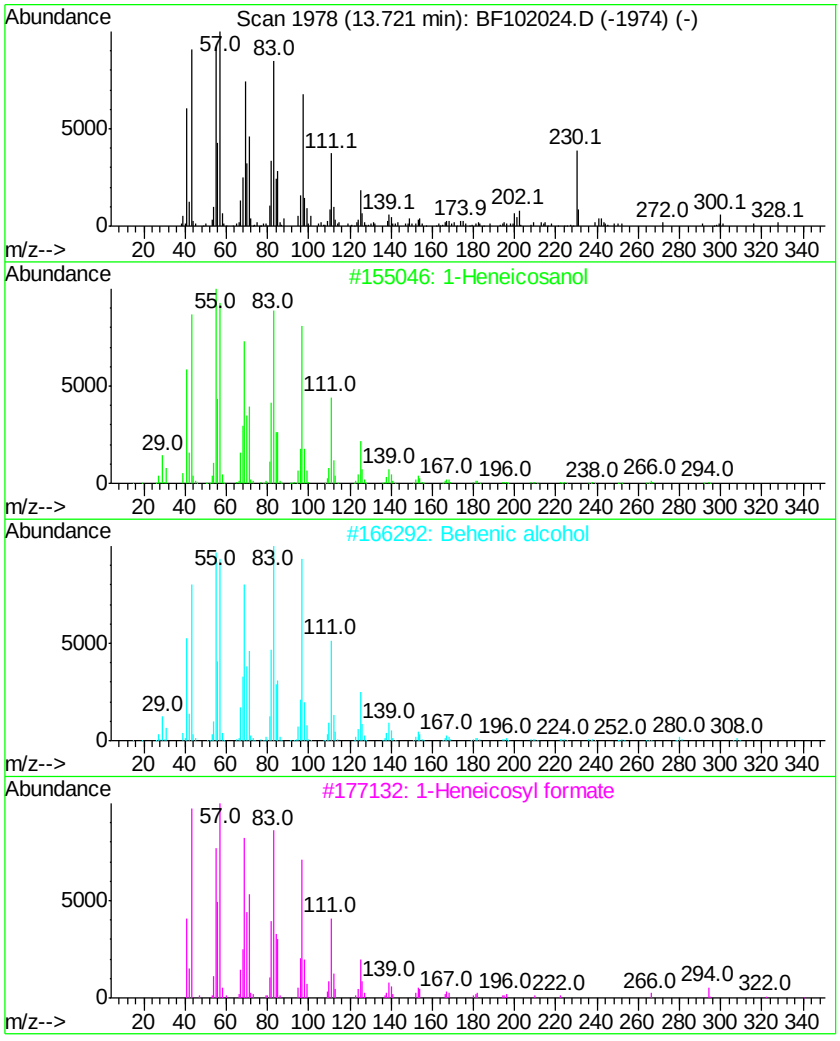
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

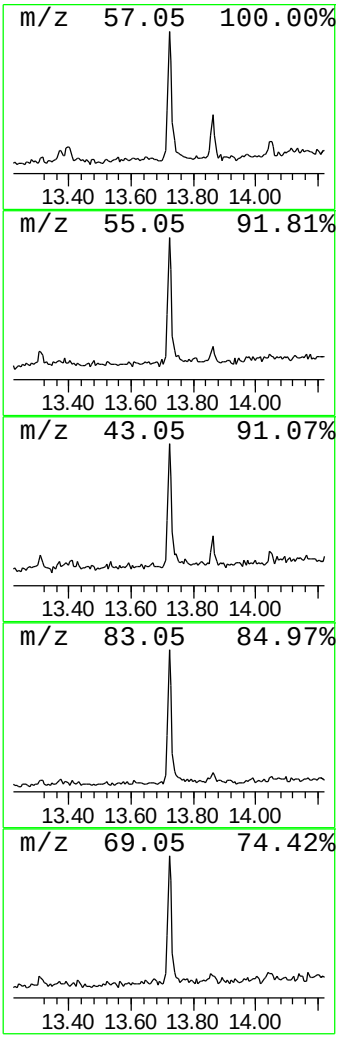
****

Peak Number 10 1-Heneicosanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	4.10 ng	291931	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Behenic alcohol	326	C22H46O	000661-19-8	93
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	93
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	89
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	87





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
Data File : BF102024.D
Acq On : 11 Jan 2018 17:52
Operator : SJ/JU
Sample : J1081-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-121-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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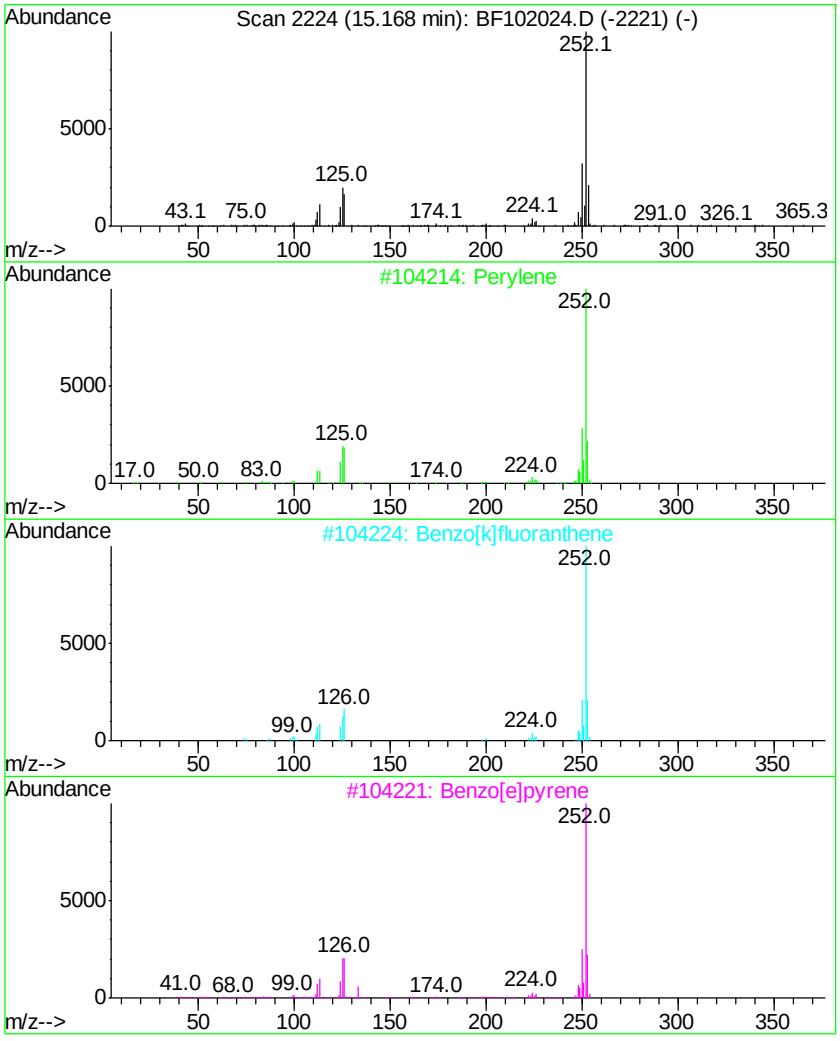
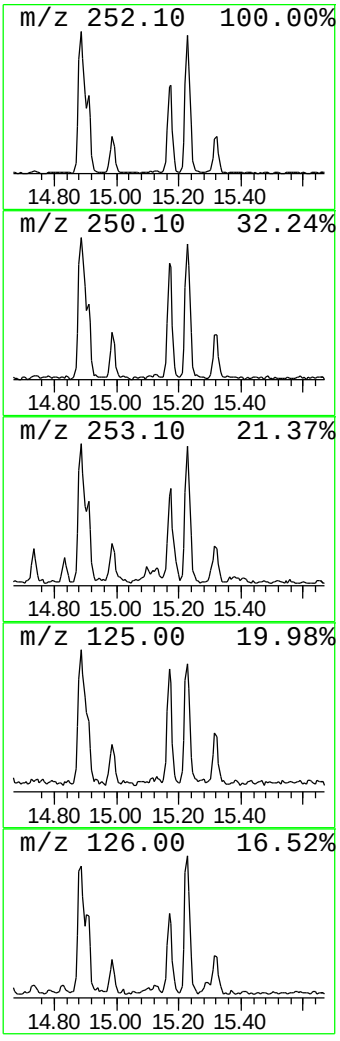
Peak Number 11 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	4.55 ng	246465	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_F\DATA\BF011118\
Data File : BF102024.D
Acq On : 11 Jan 2018 17:52
Operator : SJ/JU
Sample : J1081-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-121-1(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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...	4.93	6.4	ng	371203	1	6.73	1152620	20.0
unknown6.50	6.50	73.7	ng	4247150	1	6.73	1152620	20.0
Hexadecane	9.69	2.8	ng	178214	3	9.76	1275940	20.0
Pentanoic acid, 2...	10.17	2.6	ng	167257	3	9.76	1275940	20.0
Tetradecane	10.67	3.6	ng	177522	4	11.24	981349	20.0
Anthracene, 2-met...	11.77	4.8	ng	233719	4	11.24	981349	20.0
4H-Cyclopenta[def...	11.85	3.2	ng	158205	4	11.24	981349	20.0
1-Heneicosanol	13.72	4.1	ng	291931	5	13.87	1422370	20.0
Perylene	15.17	4.5	ng	246465	6	15.29	1083430	20.0