LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
Data File : BF112821.D
Acq On : 4 Mar 2019 13:50
Operator : JU/SJ
Sample : K1707-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S10

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-BF022719.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	5.357	551	556	559	rBV	3917341	3950790	88.95%	8.632%
2	6.381	724	730	734	rBV	3957716	4441654	100.00%	9.704%
3	6.516	748	753	756	rBV	4443813	4297046	96.74%	9.388%
4	6.745	788	792	795	rBV	1334876	1075117	24.21%	2.349%
5	6.904	814	819	822	rBV	3729262	3321191	74.77%	7.256%
6	7.304	882	887	890	rBV	2863660	2747465	61.86%	6.003%
7	8.028	1006	1010	1013	rBV	1373276	1309558	29.48%	2.861%
8	9.104	1188	1193	1196	rBV	4811384	4417482	99.46%	9.651%
9	9.492	1256	1259	1265	rBV	315866	281274	6.33%	0.615%
10	9.633	1279	1283	1286	rBV	56447	50535	1.14%	0.110%
11	9.775	1301	1307	1321	rBV	1694583	1540070	34.67%	3.365%
12	10.557	1436	1440	1444	rBV	2891934	2896148	65.20%	6.327%
13	10.692	1459	1463	1469	rVB5	53302	74369	1.67%	0.162%
14	10.780	1475	1478	1481	rVB2	42953	46553	1.05%	0.102%
15	10.998	1513	1515	1522	rVB3	31040	50409	1.13%	0.110%
16	11.133	1530	1538	1542	rBV6	36038	92057	2.07%	0.201%
17	11.251	1554	1558	1561	rBV	1624903	1466894	33.03%	3.205%
18	11.275	1561	1562	1566	rVV	356973	213200	4.80%	0.466%
19	11.327	1568	1571	1574	rVB	84564	76680	1.73%	0.168%
20	11.751	1640	1643	1645	rBV	75412	62557	1.41%	0.137%
21	11.786	1645	1649	1653	rVV2	477167	525150	11.82%	1.147%
22	11.822	1653	1655	1658	rVV2	67869	81851	1.84%	0.179%
23	11.863	1658	1662	1664	rVV	130951	149563	3.37%	0.327%
24	11.886	1664	1666	1672	rVB	64731	57719	1.30%	0.126%
25	12.045	1690	1693	1695	rBV	66802	58108	1.31%	0.127%
26	12.304	1733	1737	1739	rBV	90505	92782	2.09%	0.203%
27	12.380	1748	1750	1755	rVB3	51530	68765	1.55%	0.150%
28	12.457	1760	1763	1768	rBV	771043	695379	15.66%	1.519%
29	12.510	1769	1772	1777	rVB4	44483	49714	1.12%	0.109%
30	12.569	1777	1782	1787	rBV2	188803	251557	5.66%	0.550%
31	12.686	1796	1802	1805	rBV	686600	696192	15.67%	1.521%
32	12.833	1823	1827	1831	rVB	3652189	3585119	80.72%	7.833%
33	12.910	1836	1840	1842	rBV3	58054	68236	1.54%	0.149%
34	13.016	1855	1858	1861	rVB	110089	116540	2.62%	0.255%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
Data File : BF112821.D
Acq On : 4 Mar 2019 13:50
Operator : JU/SJ
Sample : K1707-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S10

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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.080	1866	1869	1872	rVB	125173	101932	2.29%	0.223%
36	13.116	1872	1875	1878	rBV	97580	91415	2.06%	0.200%
37	13.421	1924	1927	1932	rVB3	85912	93052	2.09%	0.203%
38	13.516	1941	1943	1948	rVB	70082	83740	1.89%	0.183%
39	13.627	1958	1962	1965	rBV2	84435	99834	2.25%	0.218%
40	13.680	1969	1971	1975	rVV2	56678	79566	1.79%	0.174%
41	13.739	1976	1981	1987	rVB3	218564	344788	7.76%	0.753%
42	13.880	2000	2005	2007	rBV2	1497753	1683747	37.91%	3.679%
43	13.904	2007	2009	2012	rVB	374199	290319	6.54%	0.634%
44	14.063	2033	2036	2039	rVB2	182239	156230	3.52%	0.341%
45	14.263	2068	2070	2073	rVB	83833	77294	1.74%	0.169%
46	14.298	2074	2076	2079	rVB	64502	50082	1.13%	0.109%
47	14.368	2084	2088	2090	rBV2	199612	206007	4.64%	0.450%
48	14.663	2135	2138	2145	rVB	274652	320017	7.20%	0.699%
49	14.892	2173	2177	2180	rBV	351225	523886	11.79%	1.145%
50	14.986	2189	2193	2199	rVB2	290813	350020	7.88%	0.765%
51	15.174	2222	2225	2230	rVB	207026	236881	5.33%	0.518%
52	15.227	2231	2234	2240	rVV	287459	363944	8.19%	0.795%
53	15.292	2241	2245	2248	rVV	998223	1143784	25.75%	2.499%
54	15.345	2251	2254	2260	rVB	243670	309598	6.97%	0.676%
55	15.751	2319	2323	2327	rVB	186169	257135	5.79%	0.562%

Sum of corrected areas: 45770995

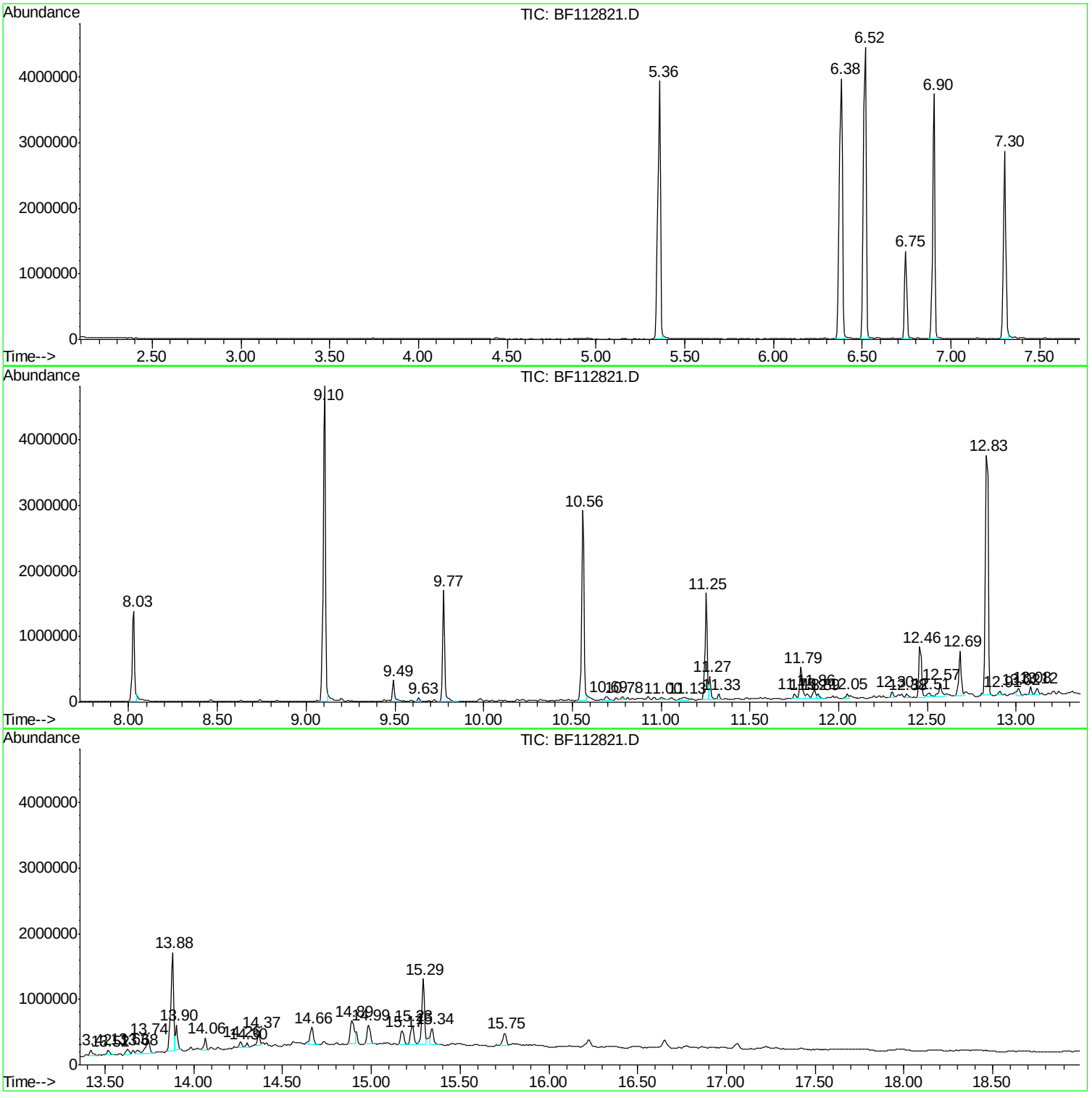
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
Data File : BF112821.D
Acq On : 4 Mar 2019 13:50
Operator : JU/SJ
Sample : K1707-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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\BF030419\
Data File : BF112821.D
Acq On : 4 Mar 2019 13:50
Operator : JU/SJ
Sample : K1707-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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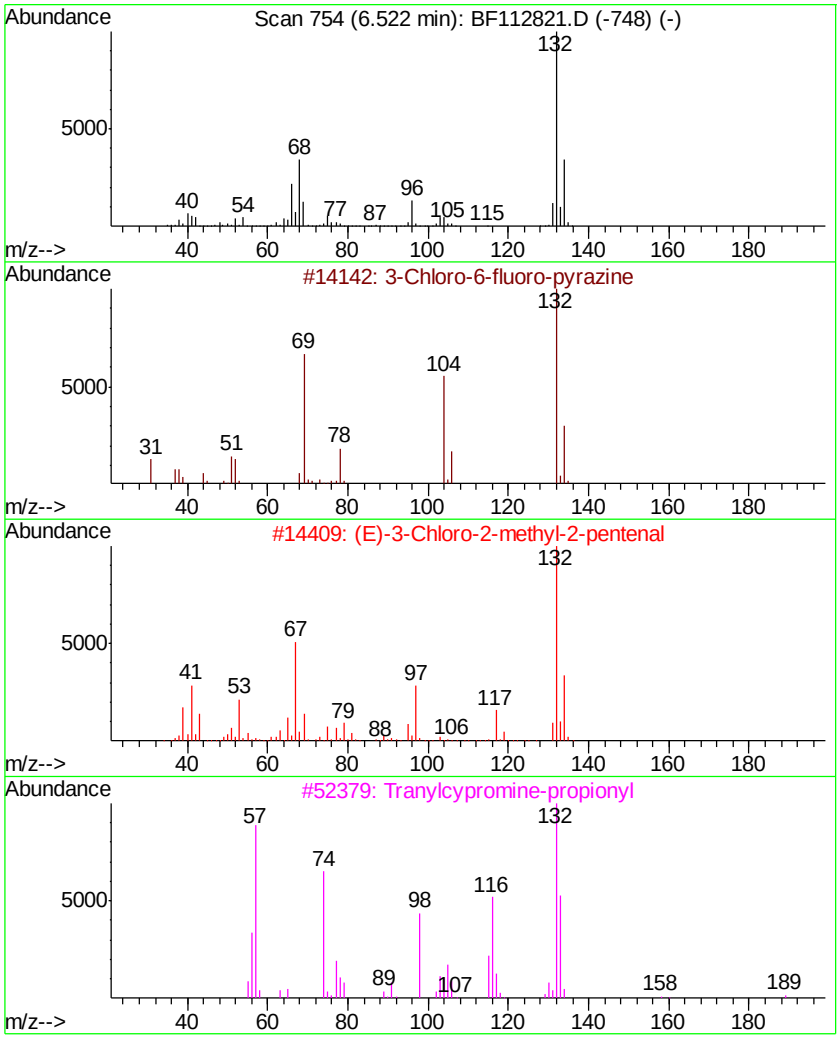
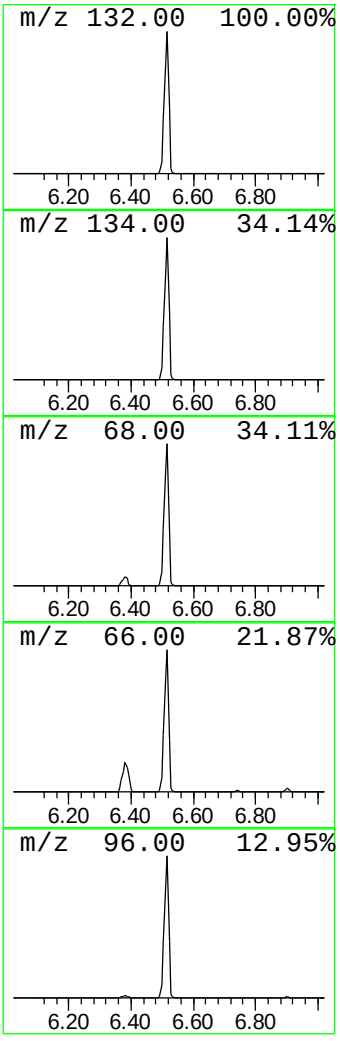
Peak Number 1 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	79.94 ng	4297050	1,4-Dichlorobenzene-d4	6.75

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	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
Data File : BF112821.D
Acq On : 4 Mar 2019 13:50
Operator : JU/SJ
Sample : K1707-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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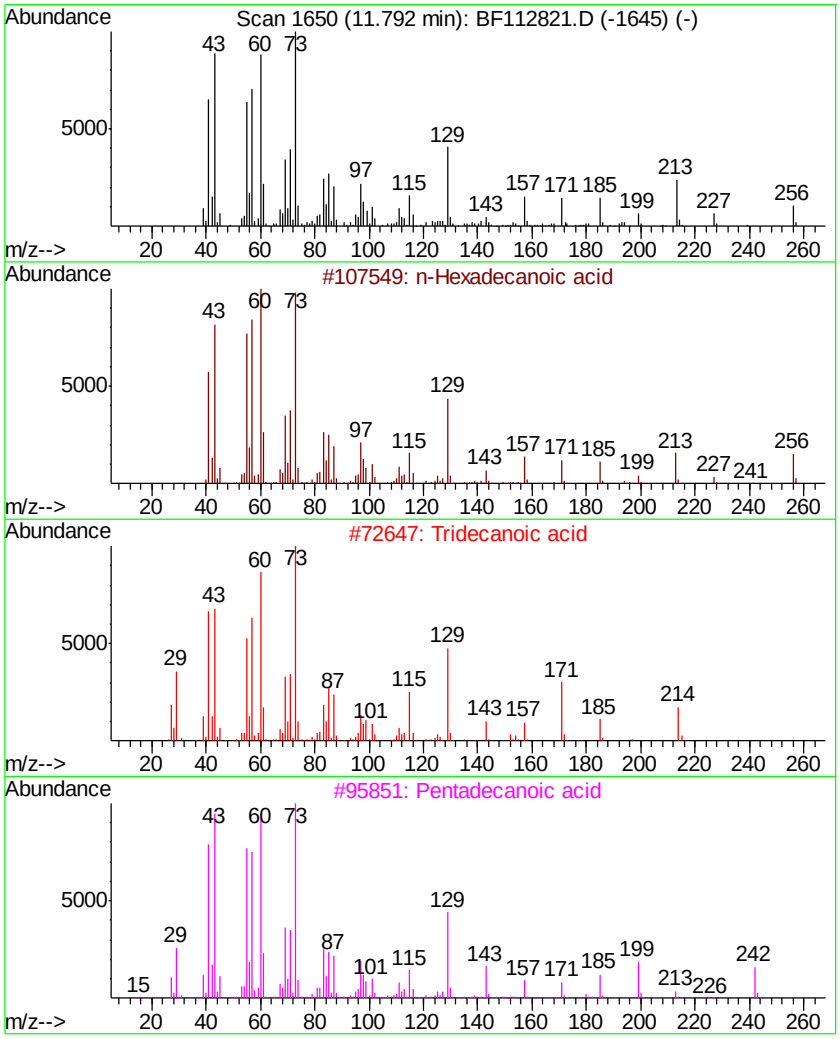
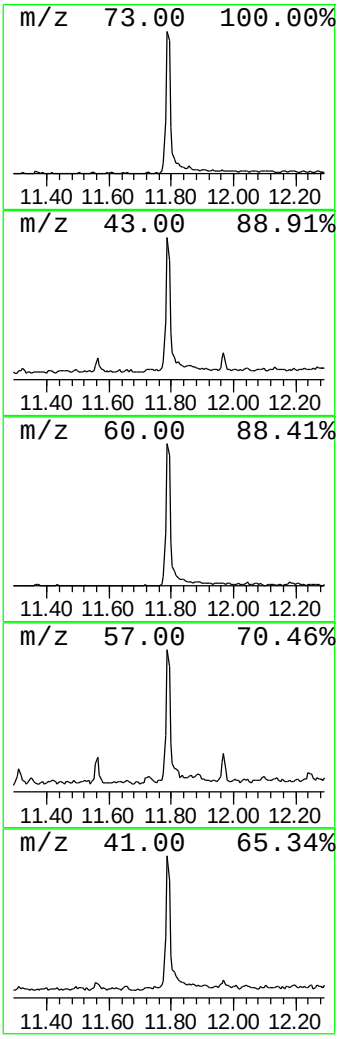
Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	7.16 ng	525150	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Estra-1,3,5(10)-trien-17.beta.-ol	256	C18H24O	002529-64-8	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
Data File : BF112821.D
Acq On : 4 Mar 2019 13:50
Operator : JU/SJ
Sample : K1707-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

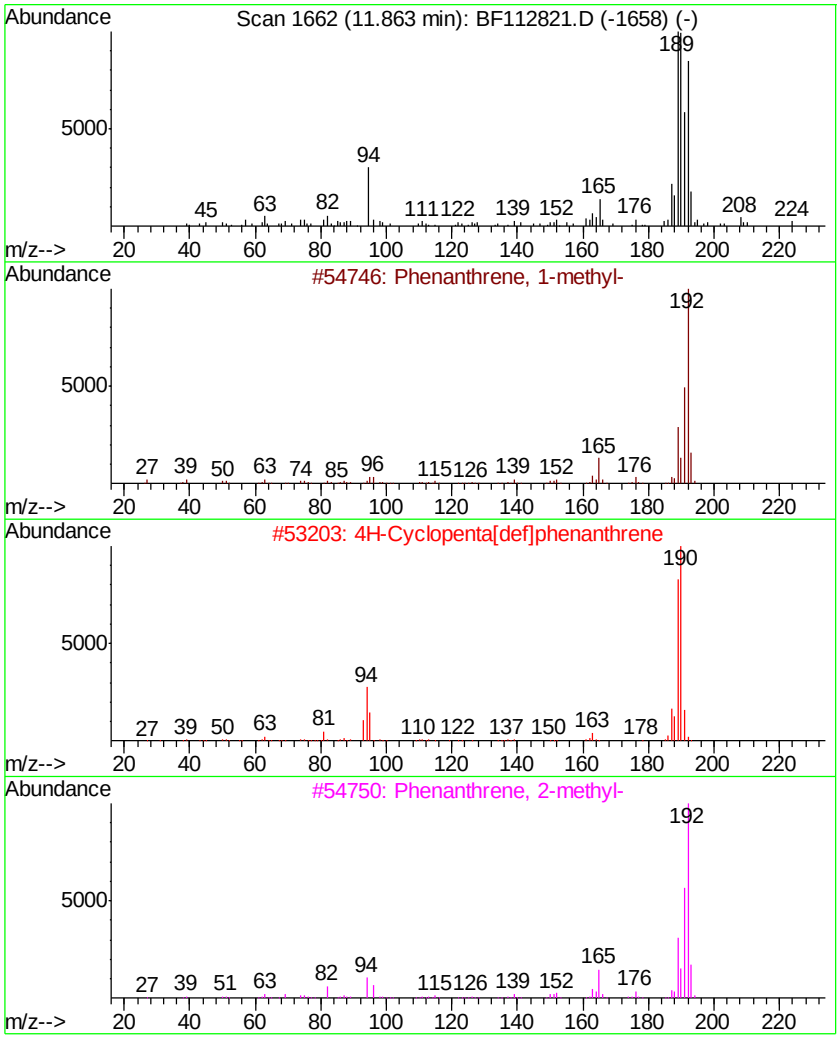
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

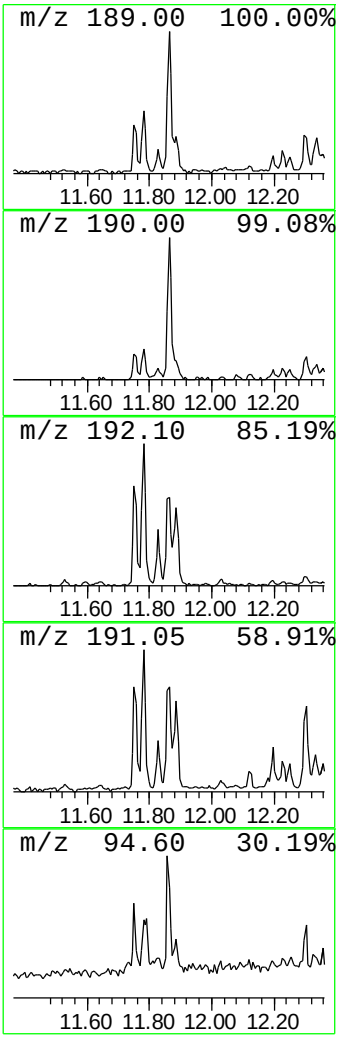
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.04 ng	149563	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
Data File : BF112821.D
Acq On : 4 Mar 2019 13:50
Operator : JU/SJ
Sample : K1707-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

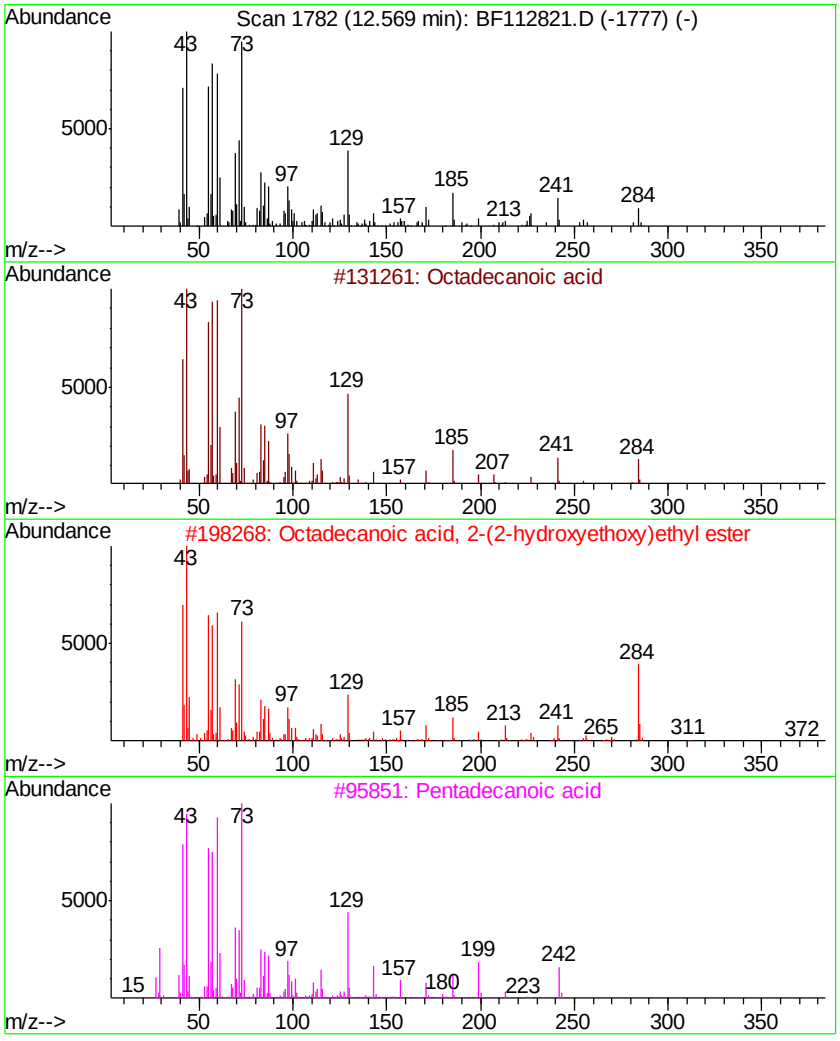
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

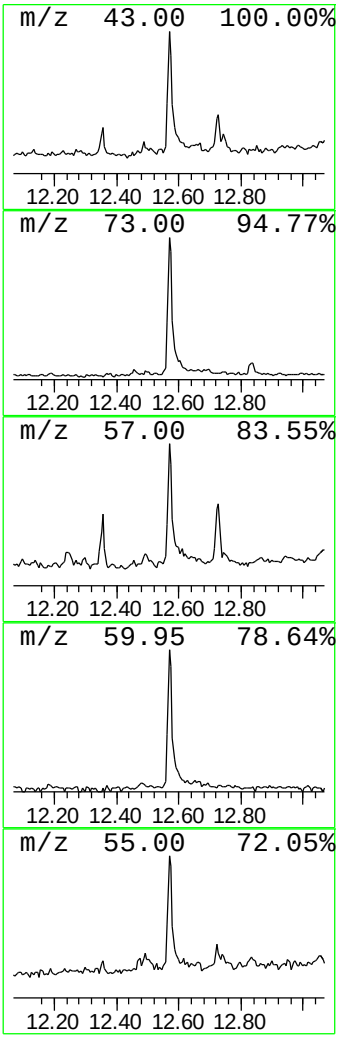
****

Peak Number 5 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	2.99 ng	251557	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	74
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	72





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Data File : BF112821.D
Acq On : 4 Mar 2019 13:50
Operator : JU/SJ
Sample : K1707-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

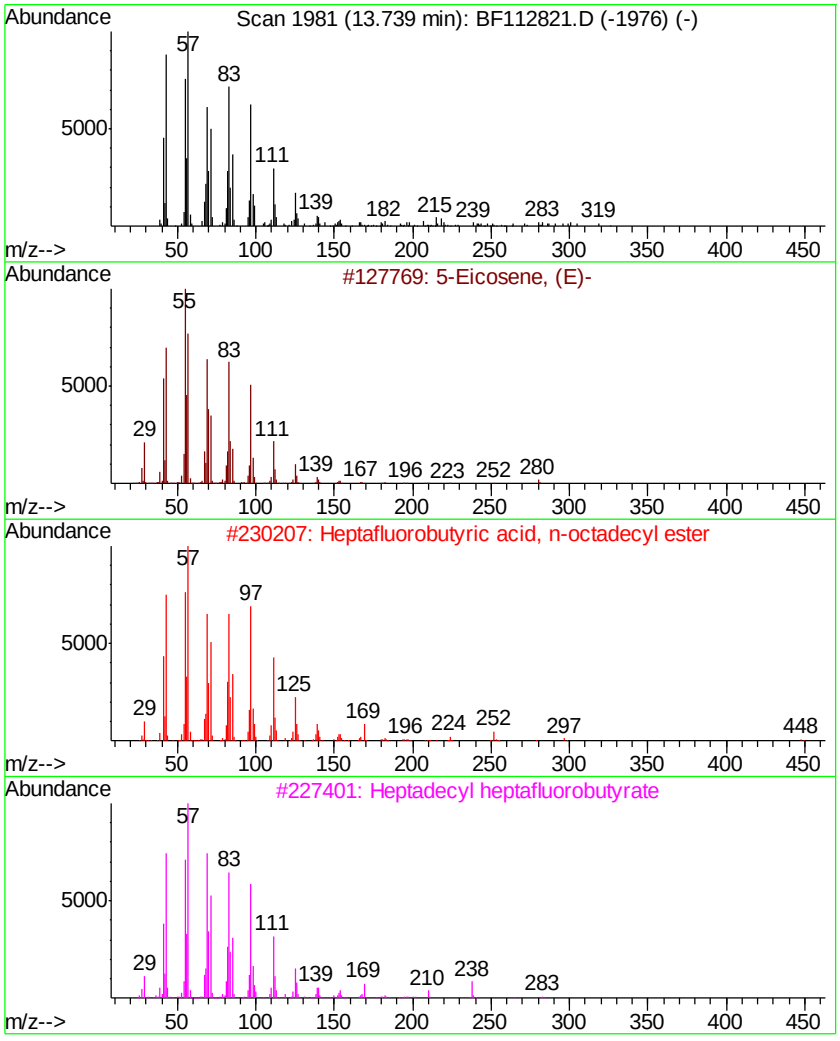
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

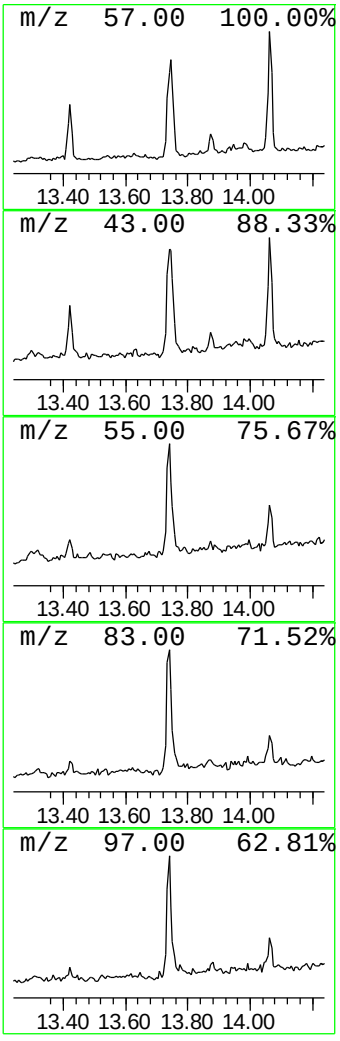
****

Peak Number 6 5-Eicosene, (E)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	4.10 ng	344788	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	96
2	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	94
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
4	Behenic alcohol	326	C22H46O	000661-19-8	93
5	1-Heneicosanol	312	C21H44O	015594-90-8	93





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : S10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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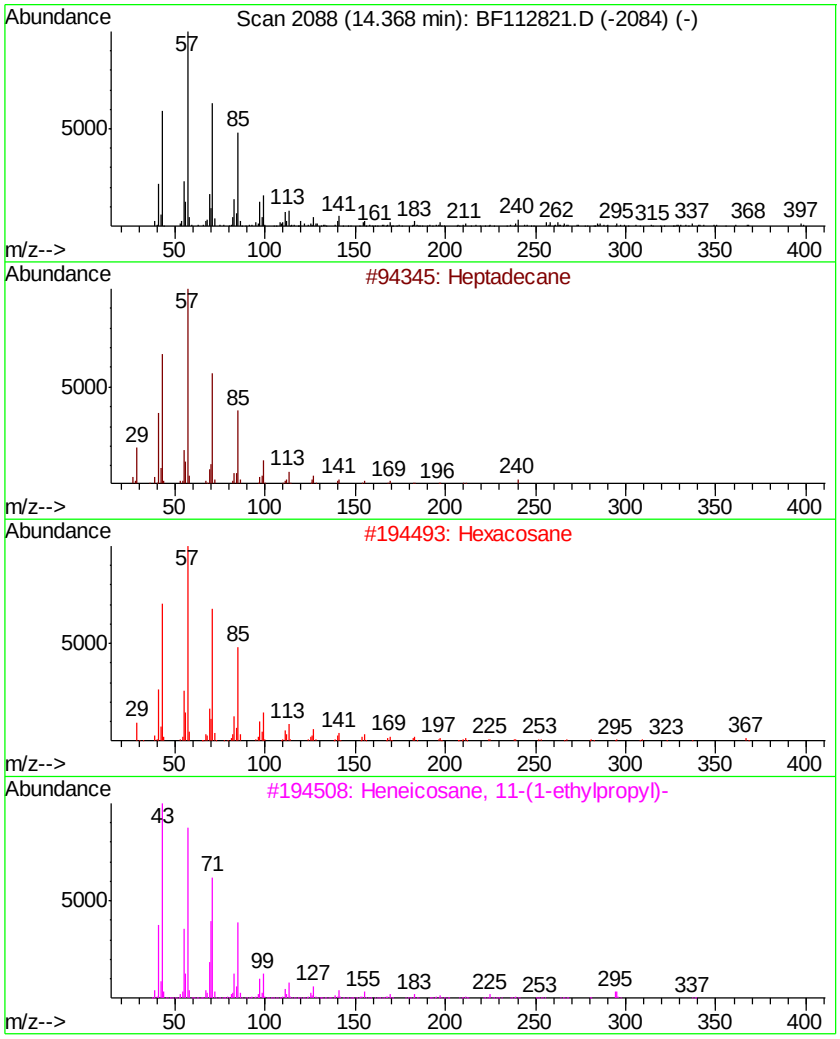
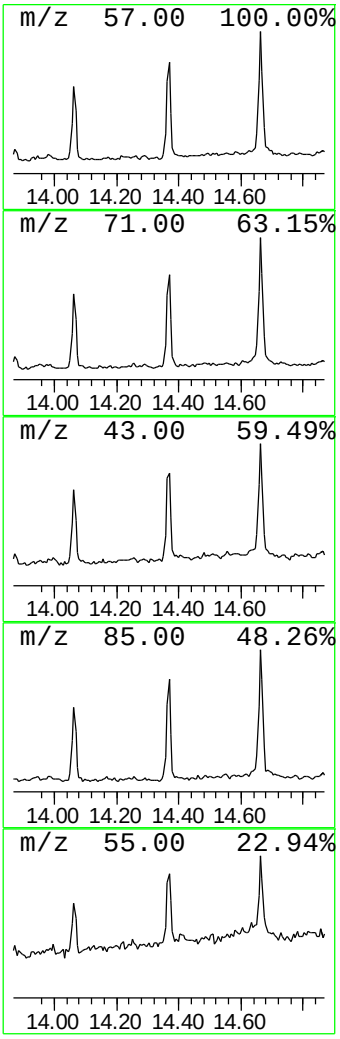
Peak Number 7 Heptadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	2.45 ng	206007	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Hexacosane	366	C26H54	000630-01-3	90
3	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	87
4	Heptacosane	380	C27H56	000593-49-7	87
5	Tetracosane	338	C24H50	000646-31-1	87





Library Search Compound Report

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Operator : JU/SJ
Sample : K1707-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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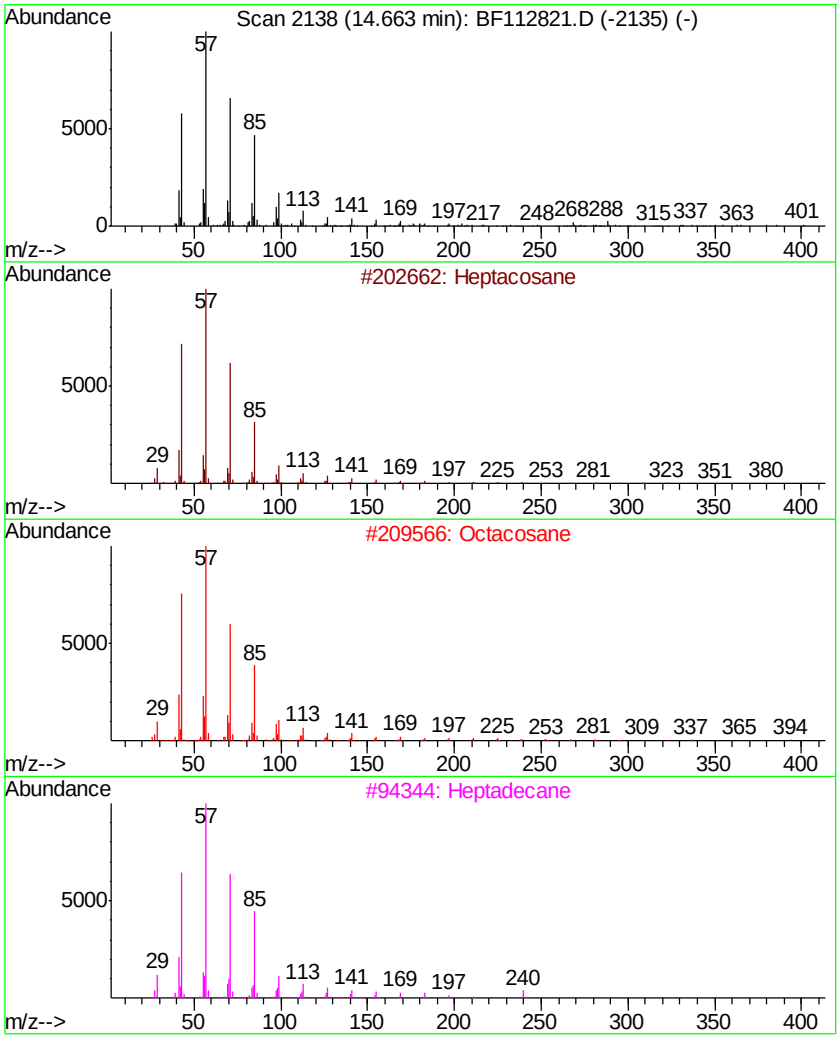
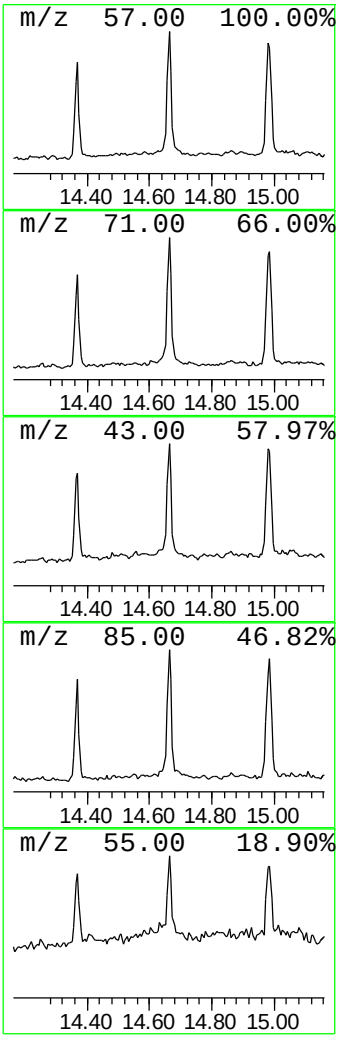
Peak Number 8 Heptacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	5.60 ng	320017	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	90
2	Octacosane	394	C28H58	000630-02-4	87
3	Heptadecane	240	C17H36	000629-78-7	80
4	Hexadecane	226	C16H34	000544-76-3	80
5	Octadecane	254	C18H38	000593-45-3	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
Data File : BF112821.D
Acq On : 4 Mar 2019 13:50
Operator : JU/SJ
Sample : K1707-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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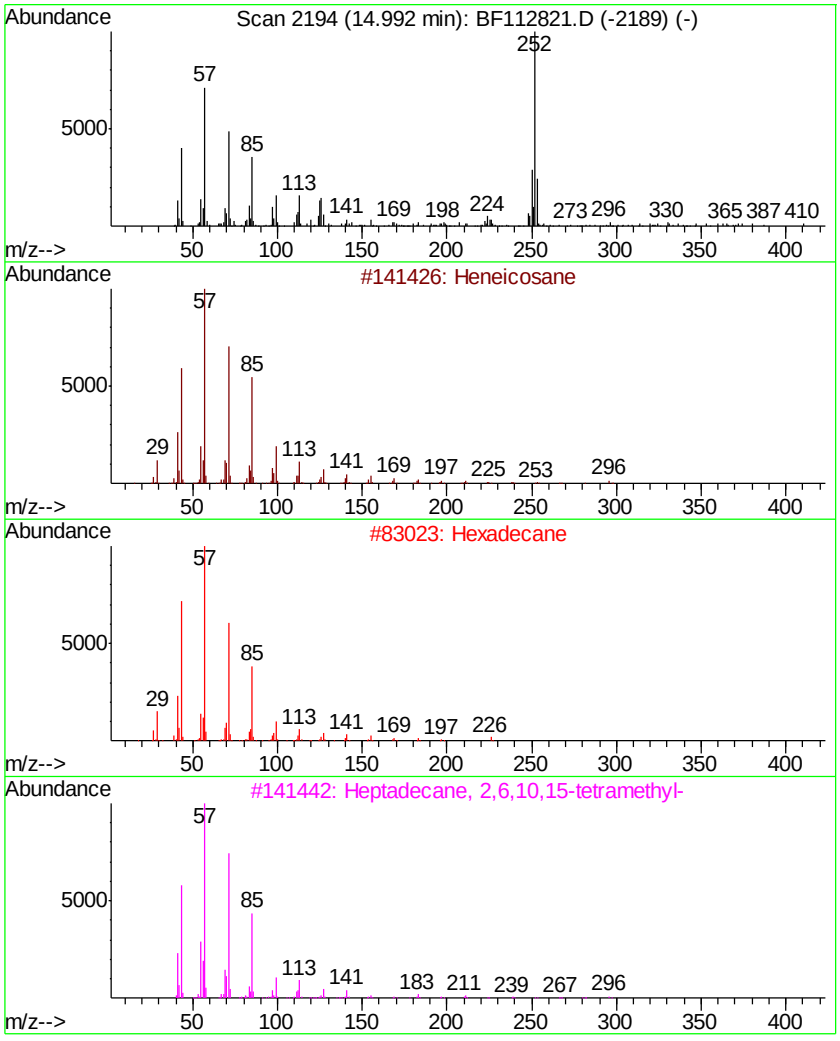
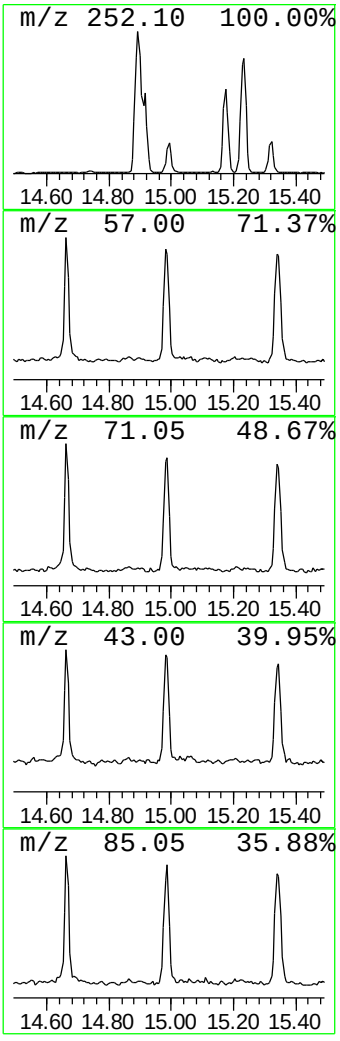
Peak Number 9 Heneicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	6.12 ng	350020	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Hexadecane	226	C16H34	000544-76-3	89
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	89
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	60
5	Octacosane	394	C28H58	000630-02-4	55





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Acq On : 4 Mar 2019 13:50
Operator : JU/SJ
Sample : K1707-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S10

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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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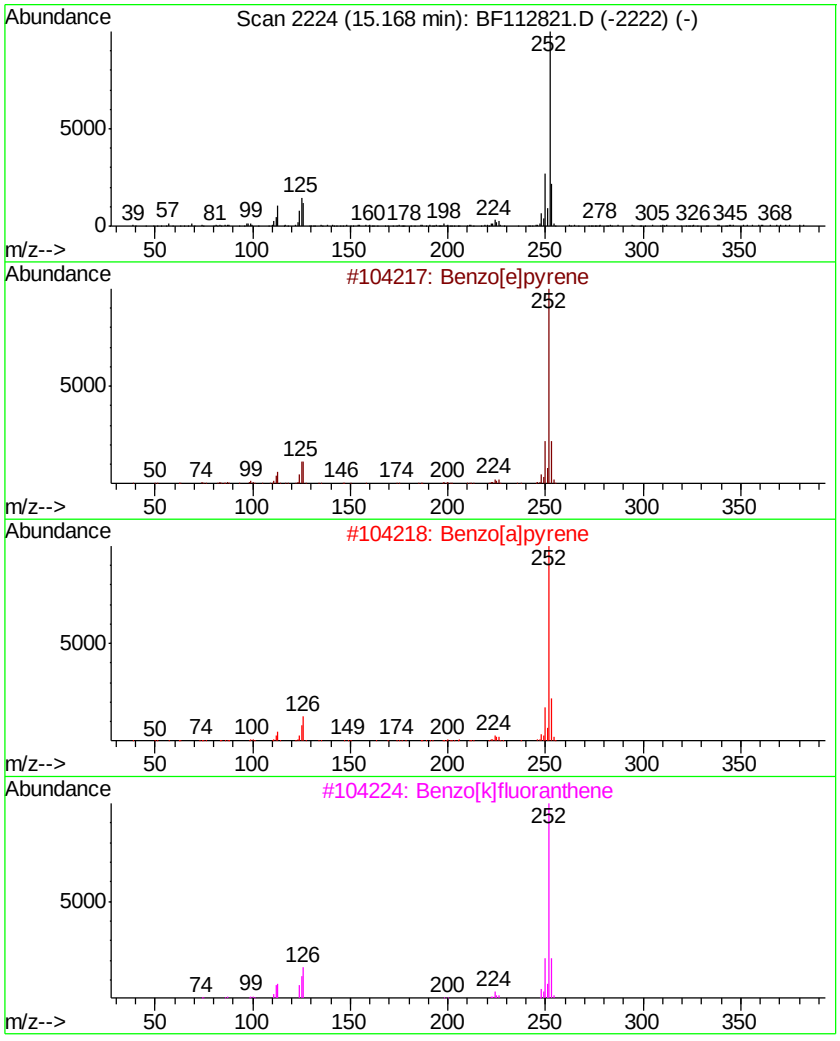
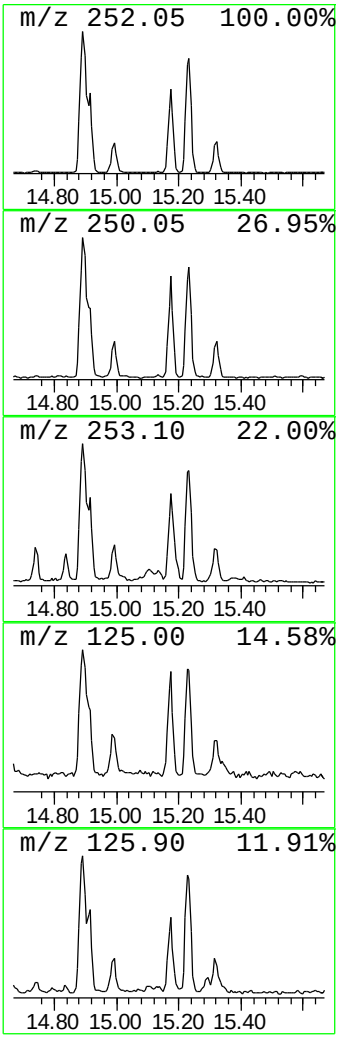
Peak Number 10 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	4.14 ng	236881	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	90





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Acq On : 4 Mar 2019 13:50
Operator : JU/SJ
Sample : K1707-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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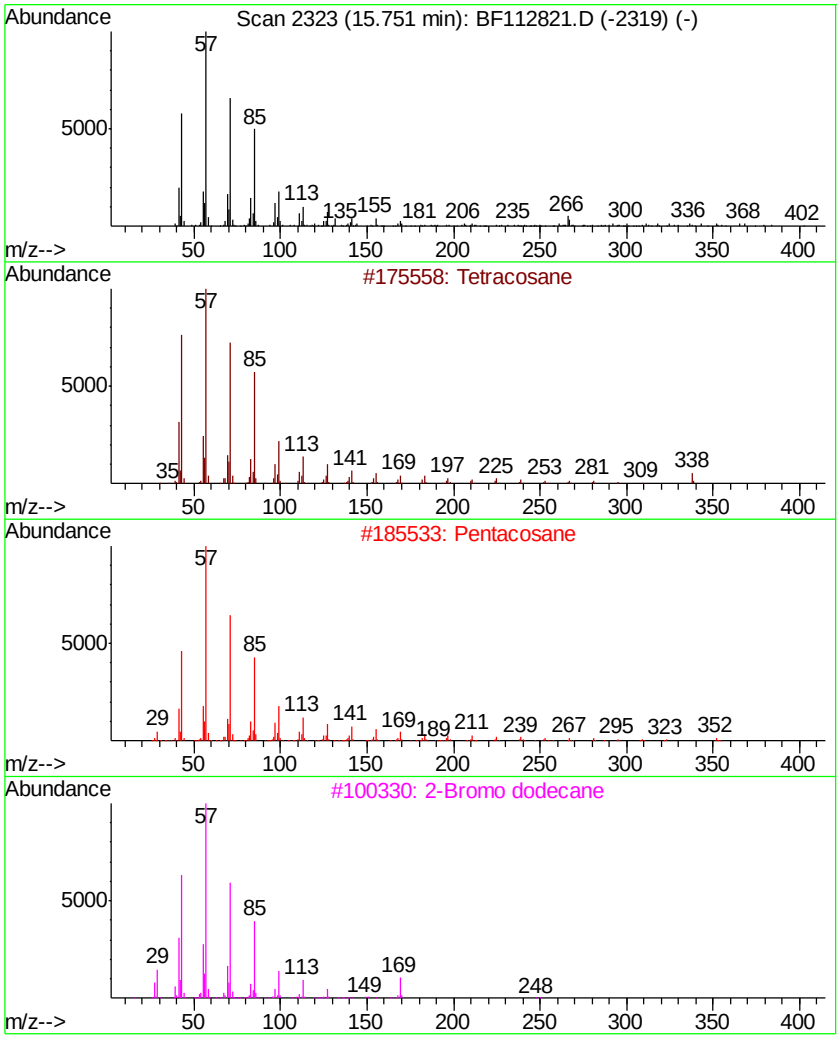
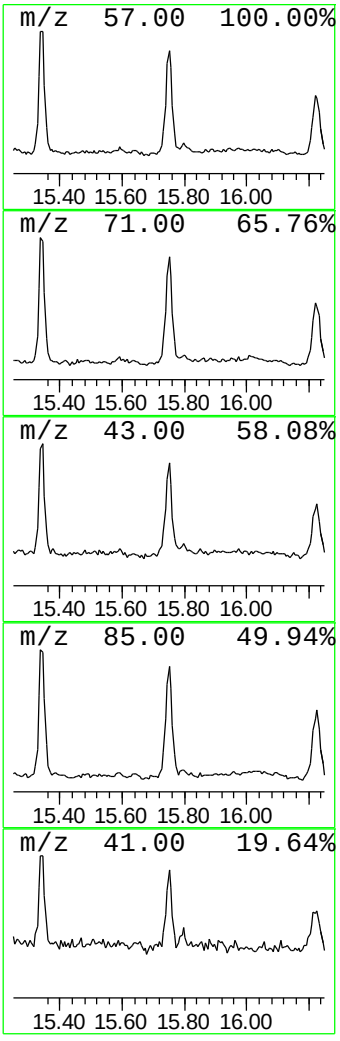
Peak Number 12 Tetracosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	4.50 ng	257135	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	95
2	Pentacosane	352	C25H52	000629-99-2	93
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	91
4	Heneicosane	296	C21H44	000629-94-7	90
5	Hentriacontane	437	C31H64	000630-04-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030419\
Data File : BF112821.D
Acq On : 4 Mar 2019 13:50
Operator : JU/SJ
Sample : K1707-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
unknown6.52	6.52	79.9	ng	4297050	1	6.75	1075120	20.0
n-Hexadecanoic acid	11.79	7.2	ng	525150	4	11.25	1466890	20.0
Phenanthrene, 1-m...	11.86	2.0	ng	149563	4	11.25	1466890	20.0
Octadecanoic acid	12.57	3.0	ng	251557	5	13.88	1683750	20.0
5-Eicosene, (E)-	13.74	4.1	ng	344788	5	13.88	1683750	20.0
Heptadecane	14.37	2.5	ng	206007	5	13.88	1683750	20.0
Heptacosane	14.66	5.6	ng	320017	6	15.29	1143780	20.0
Heneicosane	14.99	6.1	ng	350020	6	15.29	1143780	20.0
Benzo[e]pyrene	15.17	4.1	ng	236881	6	15.29	1143780	20.0
Tetracosane	15.75	4.5	ng	257135	6	15.29	1143780	20.0