LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112189.D
Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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	5.481	573	577	591	rBV	1199852	1143010	11.04%	1.042%
2	6.492	745	749	763	rBV	1278542	1210244	11.69%	1.103%
3	6.622	768	771	778	rBV	1484355	1313527	12.69%	1.197%
4	6.851	806	810	817	rBV	1710307	1426671	13.78%	1.301%
5	7.004	833	836	840	rBV	1214214	1044706	10.09%	0.952%
6	7.404	897	904	910	rBV	811785	786564	7.60%	0.717%
7	8.133	1022	1028	1030	rBV	2199575	1928608	18.63%	1.758%
8	8.151	1030	1031	1035	rVB	256582	191084	1.85%	0.174%
9	8.845	1146	1149	1153	rVB	226194	170627	1.65%	0.156%
10	8.945	1162	1166	1170	rBV	190404	196299	1.90%	0.179%
11	9.204	1206	1210	1215	rBV	2052705	1624067	15.69%	1.481%
12	9.286	1221	1224	1226	rBV	109164	103755	1.00%	0.095%
13	9.475	1251	1256	1259	rVV2	125092	172987	1.67%	0.158%
14	9.545	1265	1268	1270	rBV	199580	169635	1.64%	0.155%
15	9.569	1270	1272	1275	rVV	112939	105005	1.01%	0.096%
16	9.598	1275	1277	1281	rVB2	134026	167240	1.62%	0.152%
17	9.663	1285	1288	1298	rVB	125297	166008	1.60%	0.151%
18	9.745	1300	1302	1307	rBV	132239	122863	1.19%	0.112%
19	9.816	1309	1314	1317	rVB2	120059	114187	1.10%	0.104%
20	9.886	1319	1326	1329	rBV2	2285117	2131047	20.59%	1.943%
21	9.922	1329	1332	1335	rVB	437173	379670	3.67%	0.346%
22	10.092	1357	1361	1365	rVV	330663	342597	3.31%	0.312%
23	10.316	1397	1399	1402	rVB2	150110	111009	1.07%	0.101%
24	10.433	1416	1419	1423	rBV	687525	601792	5.81%	0.549%
25	10.504	1425	1431	1432	rBV3	142424	219980	2.13%	0.201%
26	10.522	1432	1434	1436	rBV2	125137	126716	1.22%	0.116%
27	10.592	1442	1446	1453	rBV5	292489	706217	6.82%	0.644%
28	10.674	1457	1460	1463	rVB	973276	848712	8.20%	0.774%
29	10.980	1508	1512	1515	rBV2	151150	181822	1.76%	0.166%
30	11.110	1529	1534	1536	rBV3	71558	105390	1.02%	0.096%
31	11.233	1550	1555	1558	rVV2	127337	183080	1.77%	0.167%
32	11.269	1558	1561	1567	rVB	315918	305694	2.95%	0.279%
33	11.374	1575	1579	1581	rBV	2157992	1905397	18.41%	1.737%
34	11.398	1581	1583	1586	rVV	3179224	2448720	23.66%	2.232%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
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Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.451	1589	1592	1595	rVV	919920	824783	7.97%	0.752%
36	11.604	1612	1618	1625	rBV	162201	241334	2.33%	0.220%
37	11.663	1625	1628	1631	rVV2	182470	171351	1.66%	0.156%
38	11.704	1633	1635	1640	rVV2	150206	150014	1.45%	0.137%
39	11.763	1641	1645	1647	rVV	591519	496349	4.80%	0.452%
40	11.874	1661	1664	1666	rBV	447005	425988	4.12%	0.388%
41	11.904	1666	1669	1674	rVV2	984709	1075359	10.39%	0.980%
42	11.951	1674	1677	1680	rVV	285075	289955	2.80%	0.264%
43	11.986	1680	1683	1686	rVV	802170	906853	8.76%	0.827%
44	12.010	1686	1687	1690	rVB	318818	177891	1.72%	0.162%
45	12.168	1711	1714	1716	rVV	321043	277786	2.68%	0.253%
46	12.198	1716	1719	1725	rVB2	105431	141992	1.37%	0.129%
47	12.351	1742	1745	1747	rVV	134664	115850	1.12%	0.106%
48	12.445	1758	1761	1763	rBV	1439231	1249192	12.07%	1.139%
49	12.468	1763	1765	1770	rVB	2130461	1875888	18.12%	1.710%
50	12.510	1770	1772	1777	rVB2	127301	135317	1.31%	0.123%
51	12.551	1777	1779	1781	rBV2	321706	313849	3.03%	0.286%
52	12.592	1781	1786	1788	rBV	4394165	5101007	49.28%	4.650%
53	12.633	1788	1793	1799	rVB	3451889	7047693	68.09%	6.425%
54	12.680	1799	1801	1808	rVB4	283048	274049	2.65%	0.250%
55	12.739	1808	1811	1814	rVB	143363	141973	1.37%	0.129%
56	12.821	1818	1825	1830	rVB	3072365	3510183	33.91%	3.200%
57	12.868	1830	1833	1838	rVB2	153007	204730	1.98%	0.187%
58	12.951	1841	1847	1850	rBV2	1396847	1466092	14.16%	1.337%
59	12.974	1850	1851	1856	rVB	144852	113328	1.09%	0.103%
60	13.033	1857	1861	1865	rBV3	217774	358887	3.47%	0.327%
61	13.145	1873	1880	1883	rVB	692831	818162	7.90%	0.746%
62	13.210	1884	1891	1894	rBV2	696602	781866	7.55%	0.713%
63	13.251	1894	1898	1900	rBV2	334817	332193	3.21%	0.303%
64	13.339	1911	1913	1916	rVB	207192	178935	1.73%	0.163%
65	13.374	1916	1919	1922	rBV	226314	215391	2.08%	0.196%
66	13.521	1933	1944	1950	rBV	5392535	10351115	100.00%	9.436%
67	13.627	1959	1962	1964	rBV2	105853	133907	1.29%	0.122%
68	13.762	1982	1985	1988	rBV	281179	328381	3.17%	0.299%
69	13.792	1988	1990	1992	rVV	250999	202477	1.96%	0.185%
70	13.815	1992	1994	1997	rVV2	205780	257204	2.48%	0.234%
71	13.851	1997	2000	2006	rVB4	287043	482488	4.66%	0.440%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.927	2009	2013	2020	rVV3	230945	498042	4.81%	0.454%
73	14.015	2023	2028	2031	rVV2	2529236	3846138	37.16%	3.506%
74	14.039	2031	2032	2040	rVB	1384436	1221505	11.80%	1.114%
75	14.168	2044	2054	2059	rVV	5631610	10262734	99.15%	9.356%
76	14.239	2062	2066	2070	rBV2	122522	181467	1.75%	0.165%
77	14.404	2089	2094	2096	rBV	346296	377182	3.64%	0.344%
78	14.433	2097	2099	2102	rVB	147522	119709	1.16%	0.109%
79	14.474	2102	2106	2108	rBV	720749	802480	7.75%	0.732%
80	14.527	2113	2115	2117	rVV	226357	217705	2.10%	0.198%
81	14.551	2117	2119	2122	rVB	343682	308320	2.98%	0.281%
82	14.698	2136	2144	2149	rBV	4229082	7255461	70.09%	6.614%
83	14.780	2155	2158	2162	rVB	956454	972753	9.40%	0.887%
84	15.062	2201	2206	2209	rBV	1234729	2014595	19.46%	1.837%
85	15.115	2212	2215	2220	rVB	1185520	1470740	14.21%	1.341%
86	15.168	2221	2224	2227	rVB	300548	299995	2.90%	0.273%
87	15.257	2232	2239	2246	rBV	2266313	4273702	41.29%	3.896%
88	15.362	2253	2257	2263	rVB	806268	1060199	10.24%	0.967%
89	15.427	2264	2268	2273	rVV	1275365	1554295	15.02%	1.417%
90	15.492	2274	2279	2291	rVB3	2241635	3598162	34.76%	3.280%
91	15.892	2342	2347	2351	rBV2	658552	1302059	12.58%	1.187%
92	15.933	2351	2354	2359	rVB	784101	1125773	10.88%	1.026%
93	16.439	2435	2440	2448	rVB	438860	790156	7.63%	0.720%
94	16.627	2468	2472	2482	rVB3	358717	895671	8.65%	0.817%
95	16.968	2525	2530	2536	rVB2	434385	761990	7.36%	0.695%
96	17.409	2601	2605	2614	rVB	300223	558625	5.40%	0.509%

Sum of corrected areas: 109694200

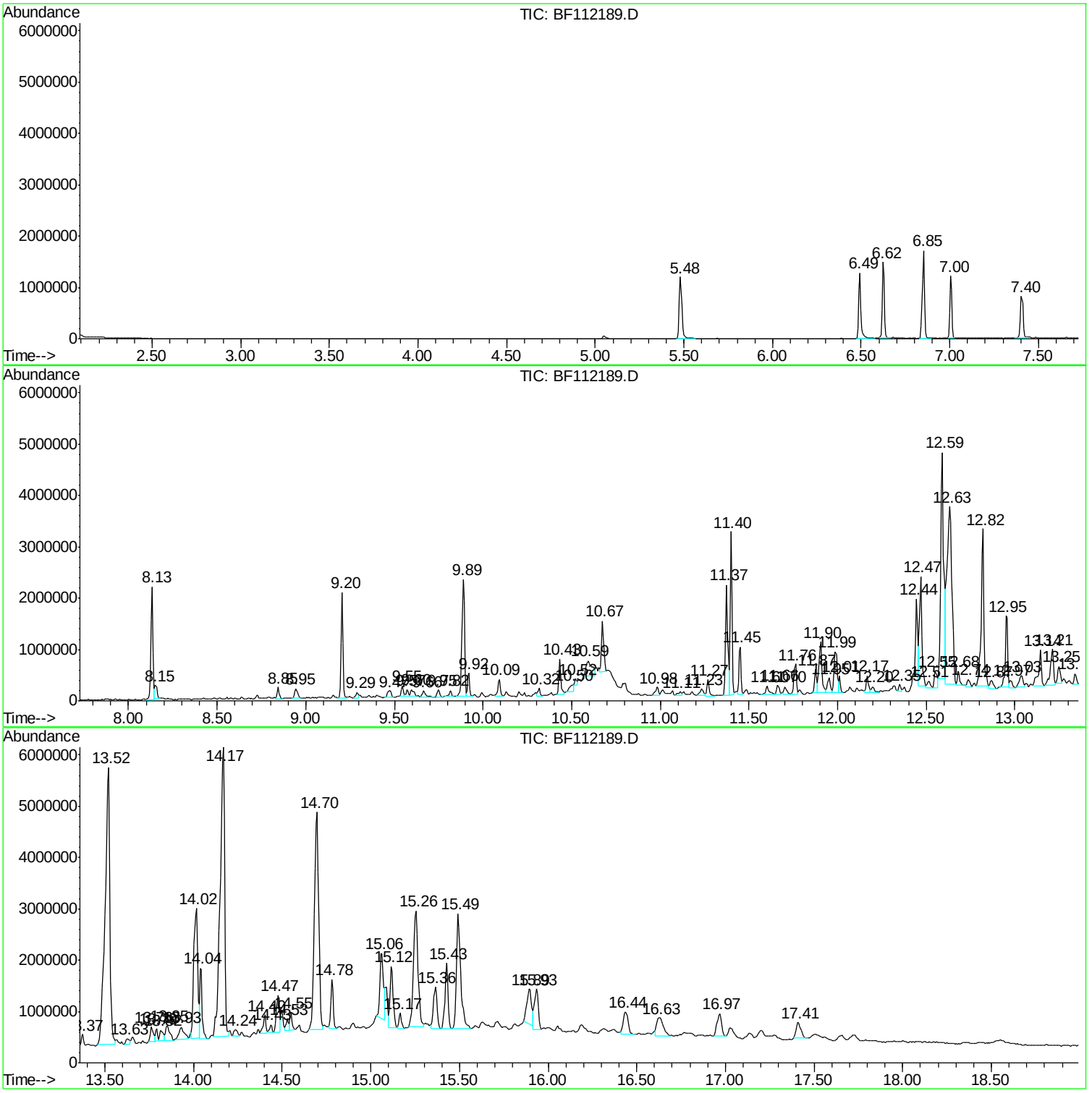
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112189.D
Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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\BF012219\
Data File : BF112189.D
Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

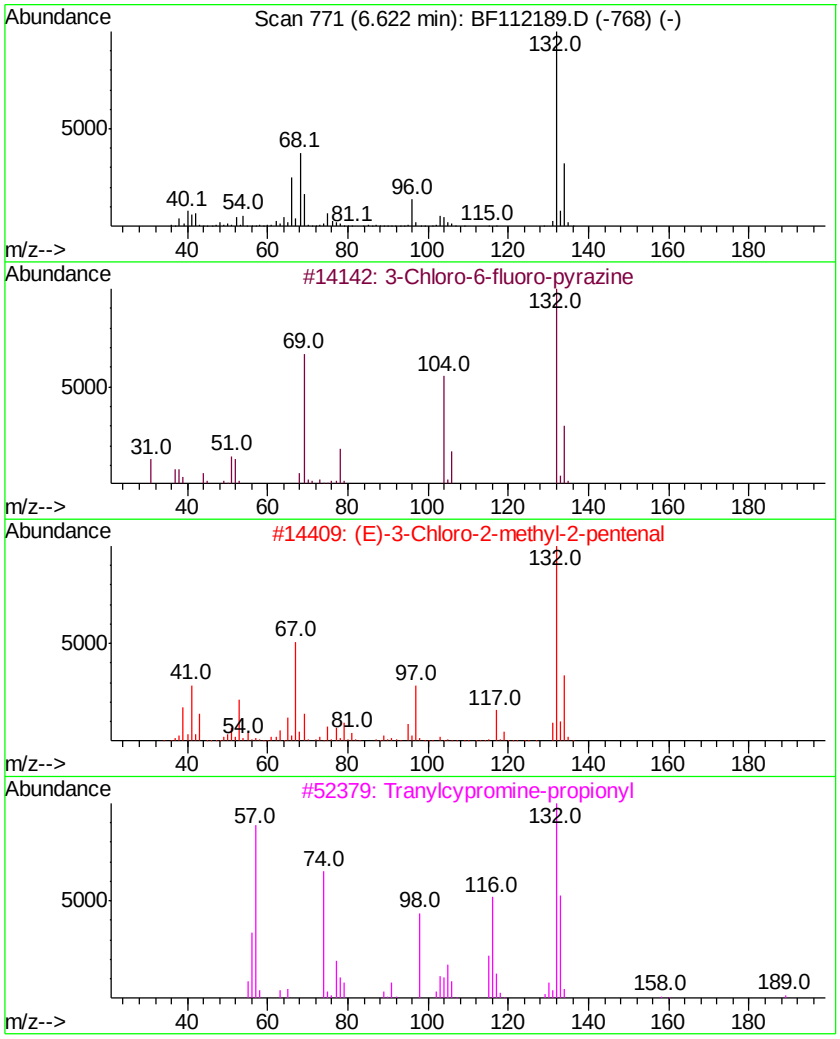
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

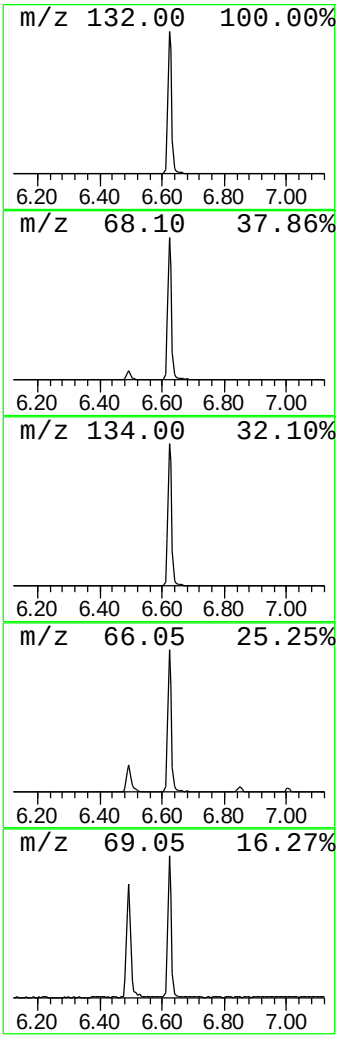
****

Peak Number 1 unknown6.62 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	18.41 ng	1313530	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	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	10
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112189.D
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Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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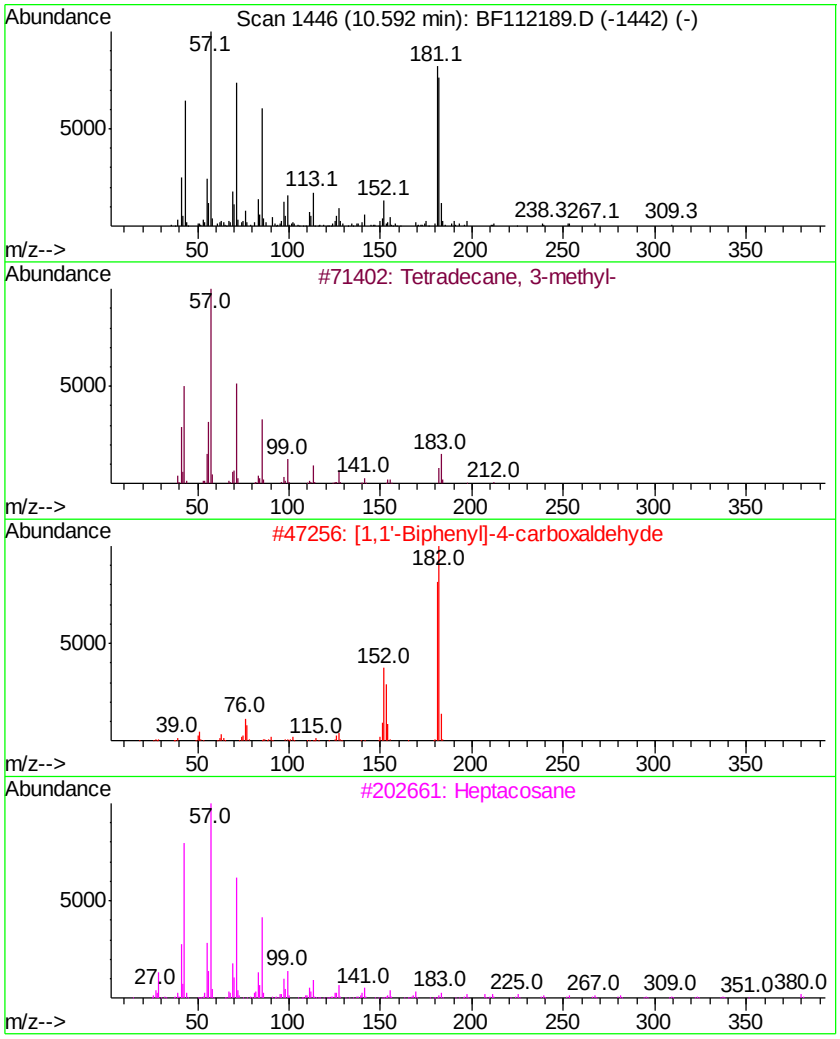
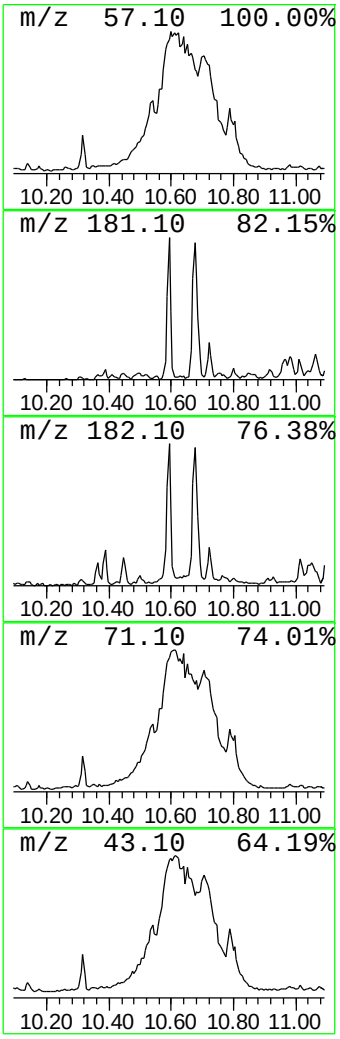
****

Peak Number 3 unknown10.59 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	6.63 ng	706217	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 3-methyl-	212	C15H32	018435-22-8	46
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	45
3	Heptacosane	380	C27H56	000593-49-7	42
4	Hexacosane	366	C26H54	000630-01-3	41
5	Triacontane	422	C30H62	000638-68-6	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

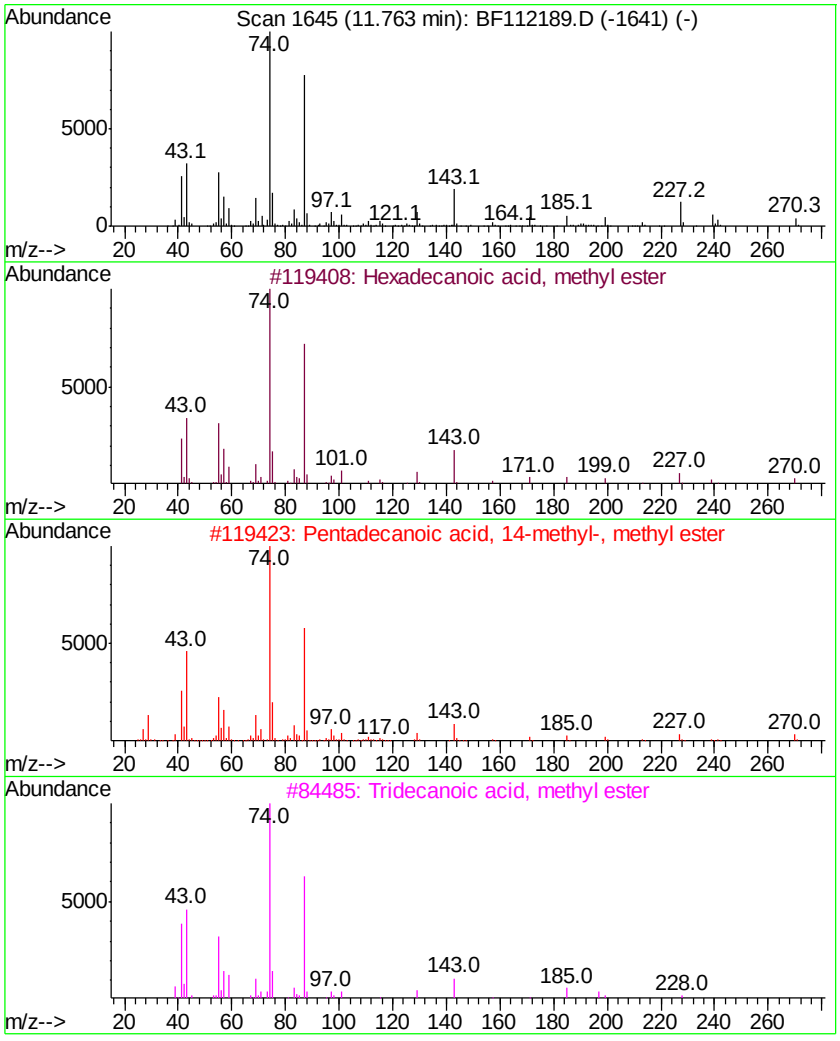
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

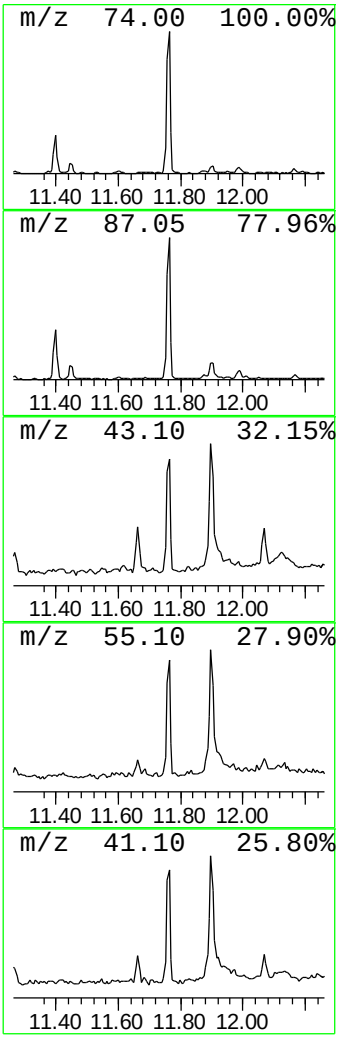
****

Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	5.21 ng	496349	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80
5	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112189.D
Acq On : 22 Jan 2019 13:20
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

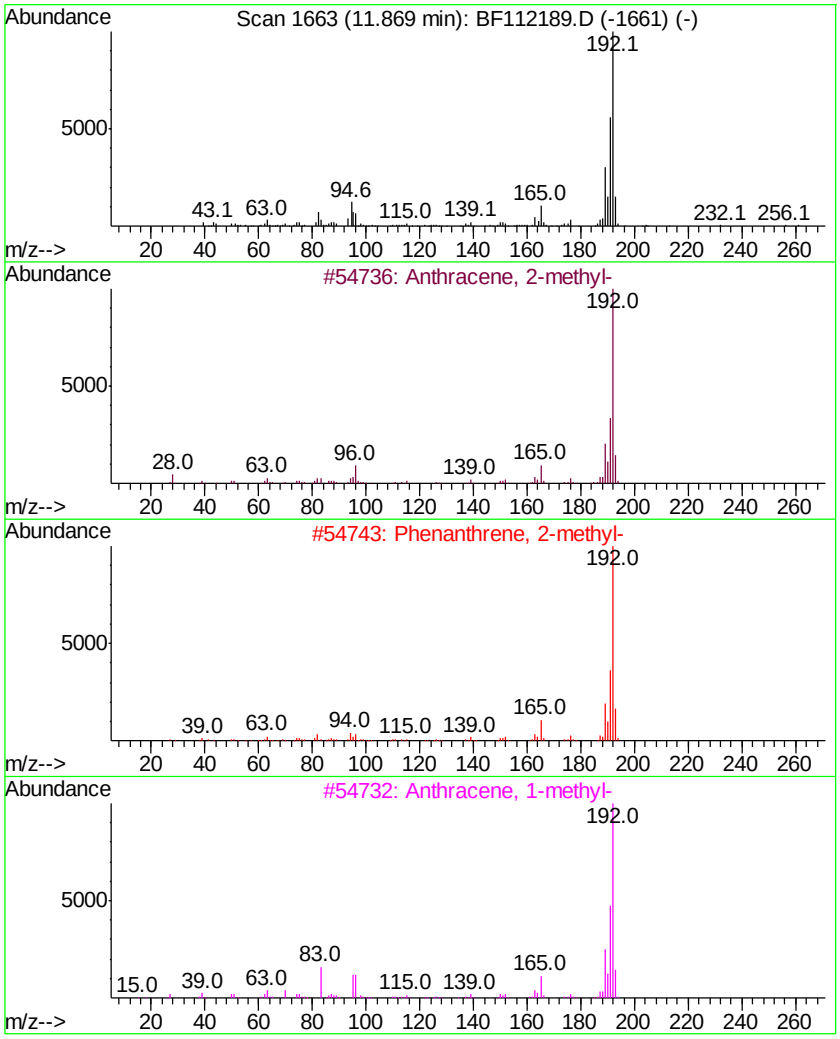
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

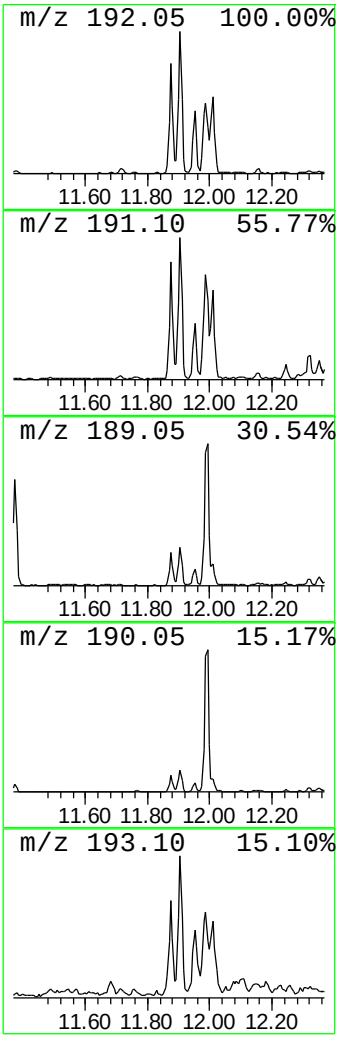
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	4.47 ng	425988	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Library Search Compound Report

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Data File : BF112189.D
Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

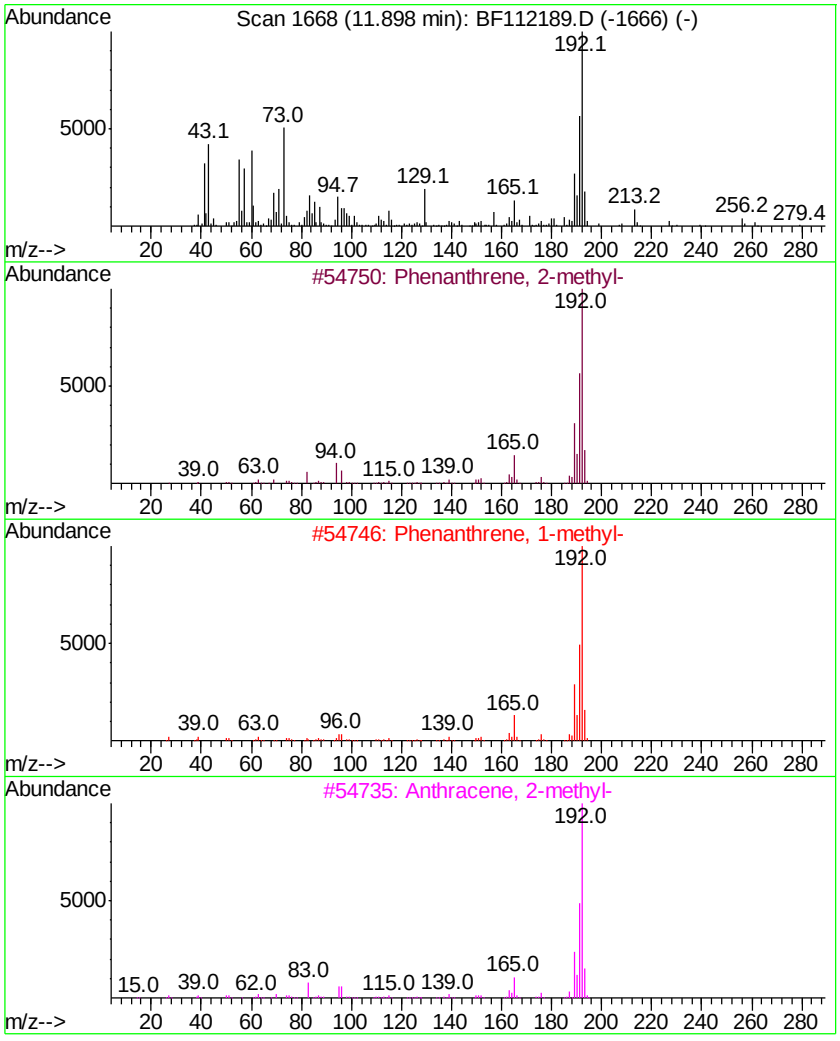
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

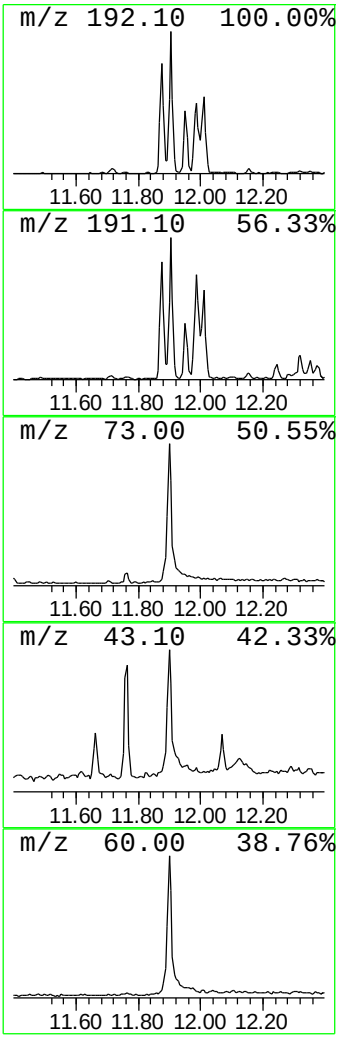
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	11.29 ng	1075360	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Data File : BF112189.D
Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

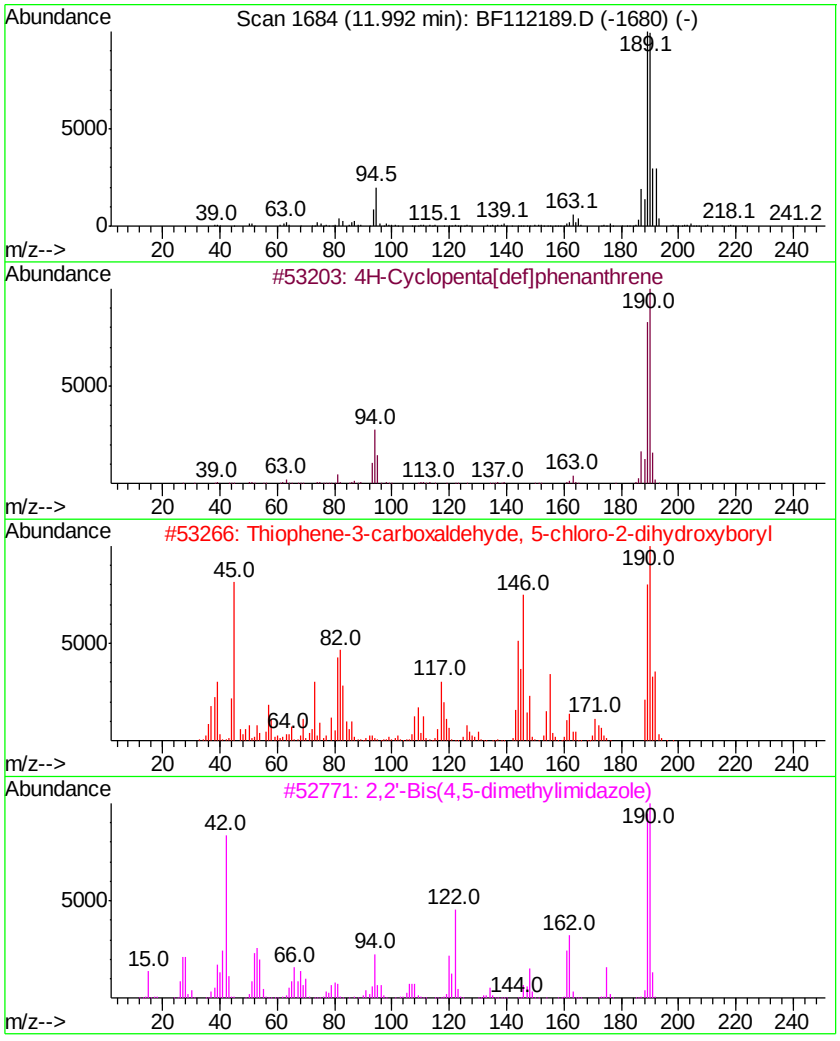
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

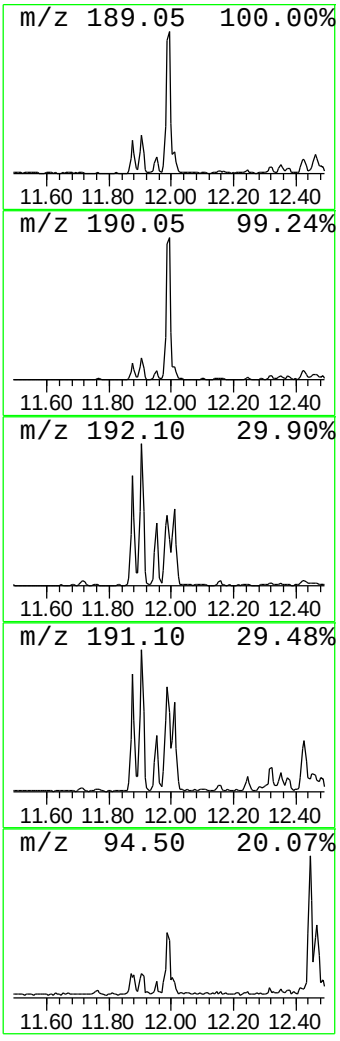
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	9.52 ng	906853	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
5	Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	23





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Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

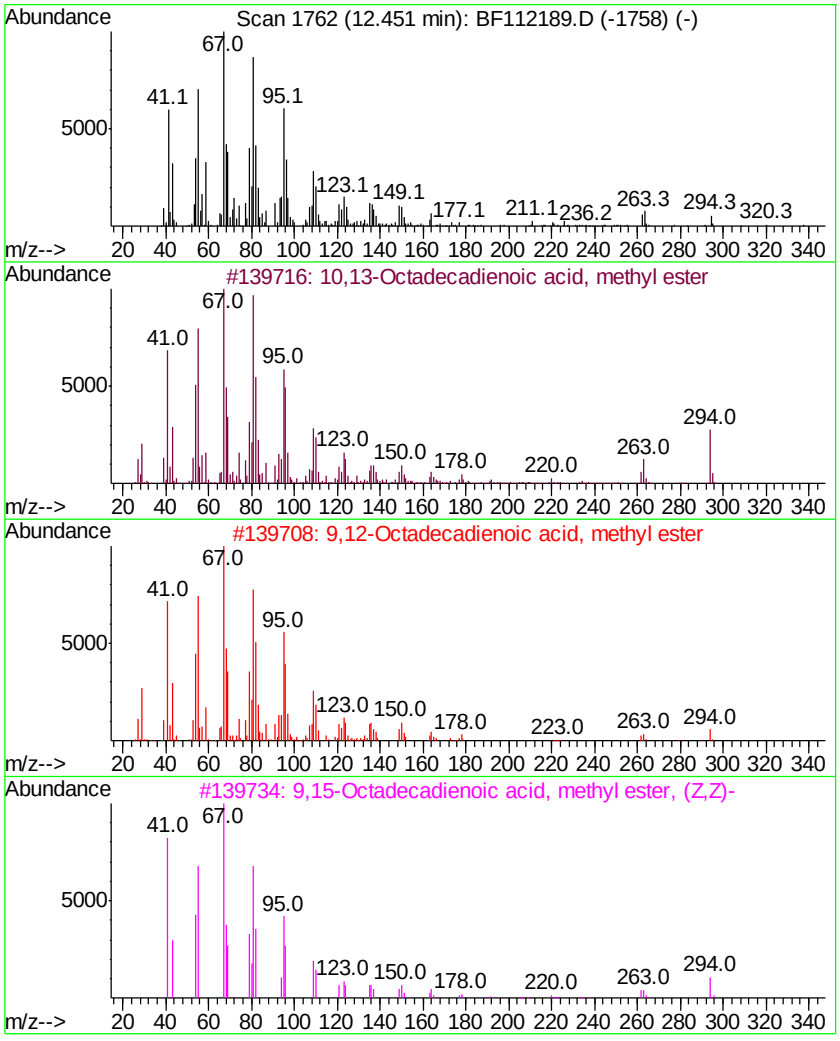
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

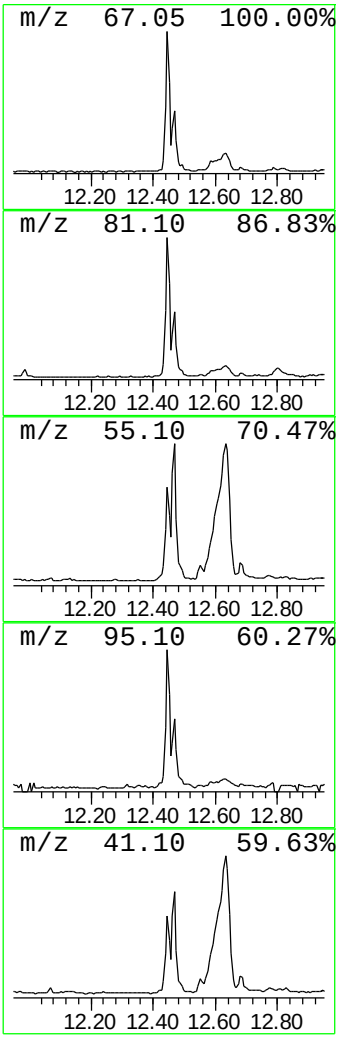
****

Peak Number 8 10,13-Octadecadienoic acid,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	13.11 ng	1249190	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99





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Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

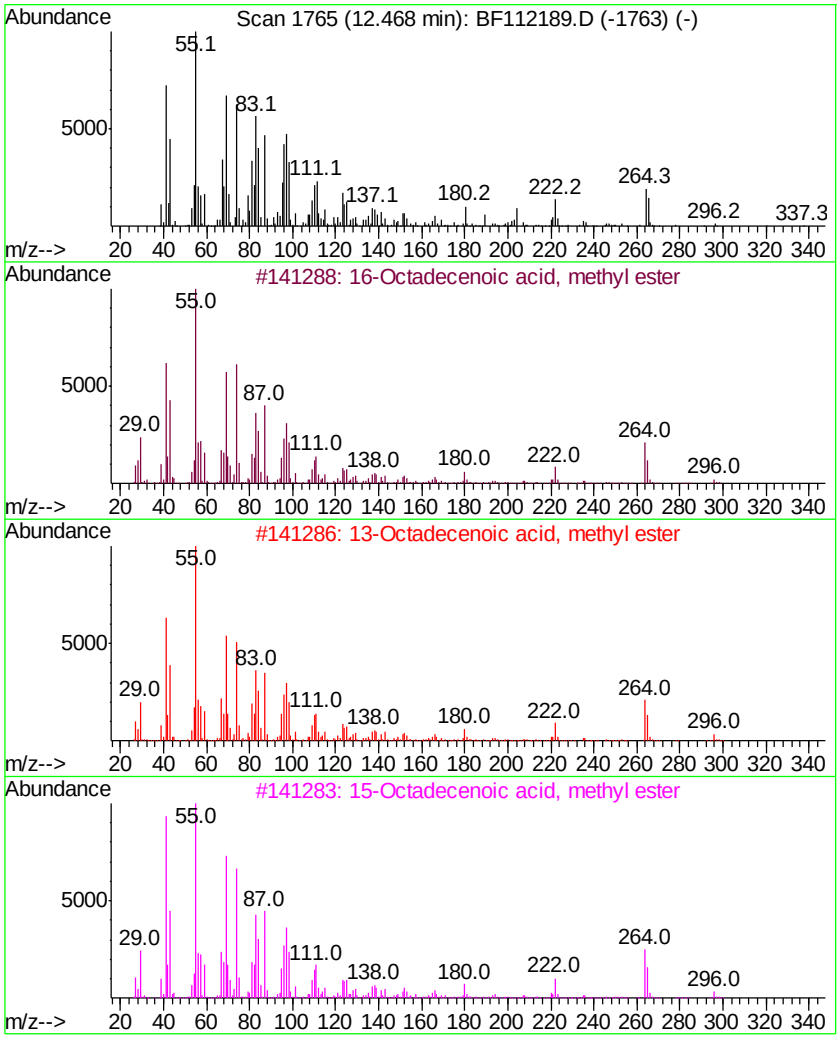
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

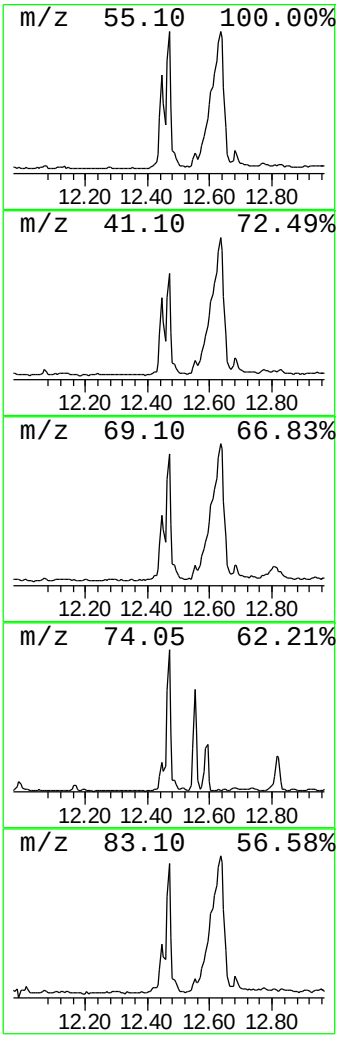
****

Peak Number 9 16-Octadecenoic acid, methy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	19.69 ng	1875890	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
2	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
3	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
4	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99





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Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

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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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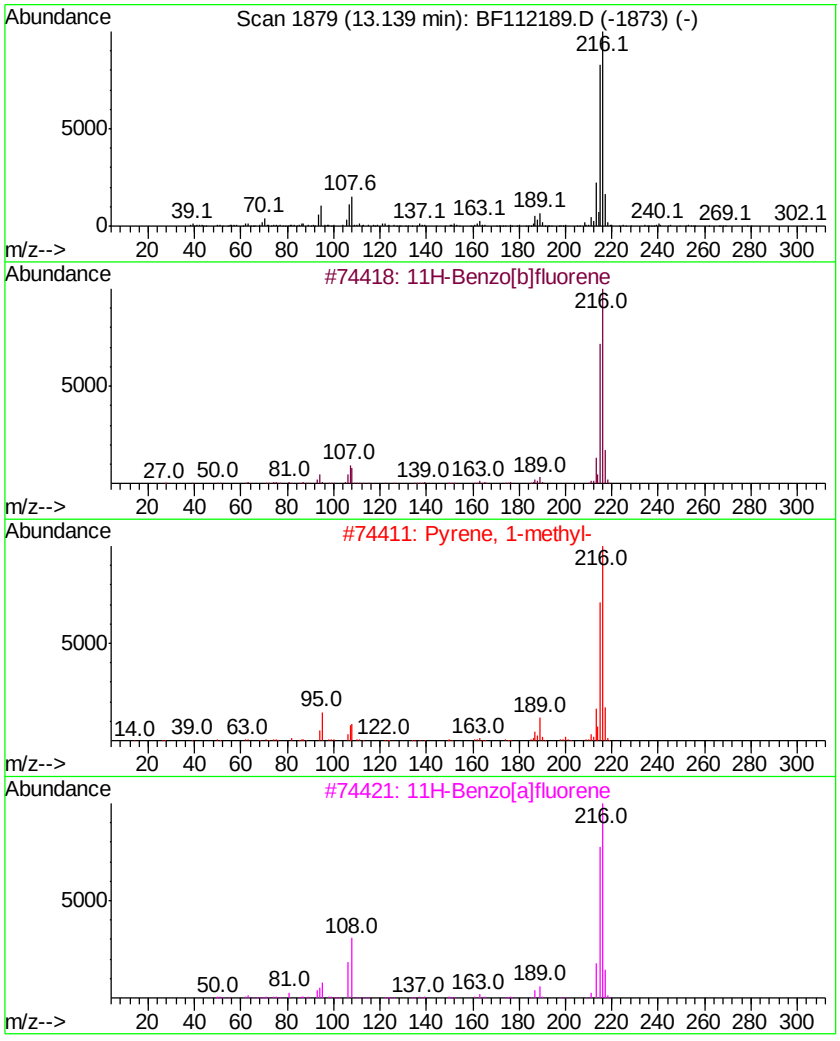
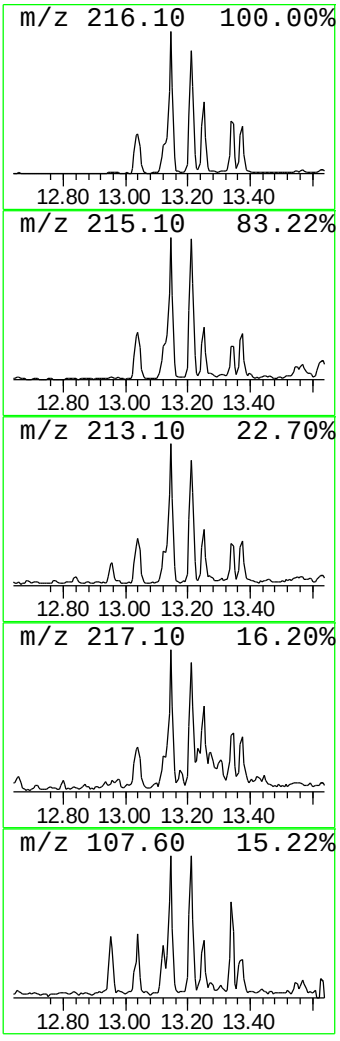
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	4.25 ng	818162	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Data File : BF112189.D
Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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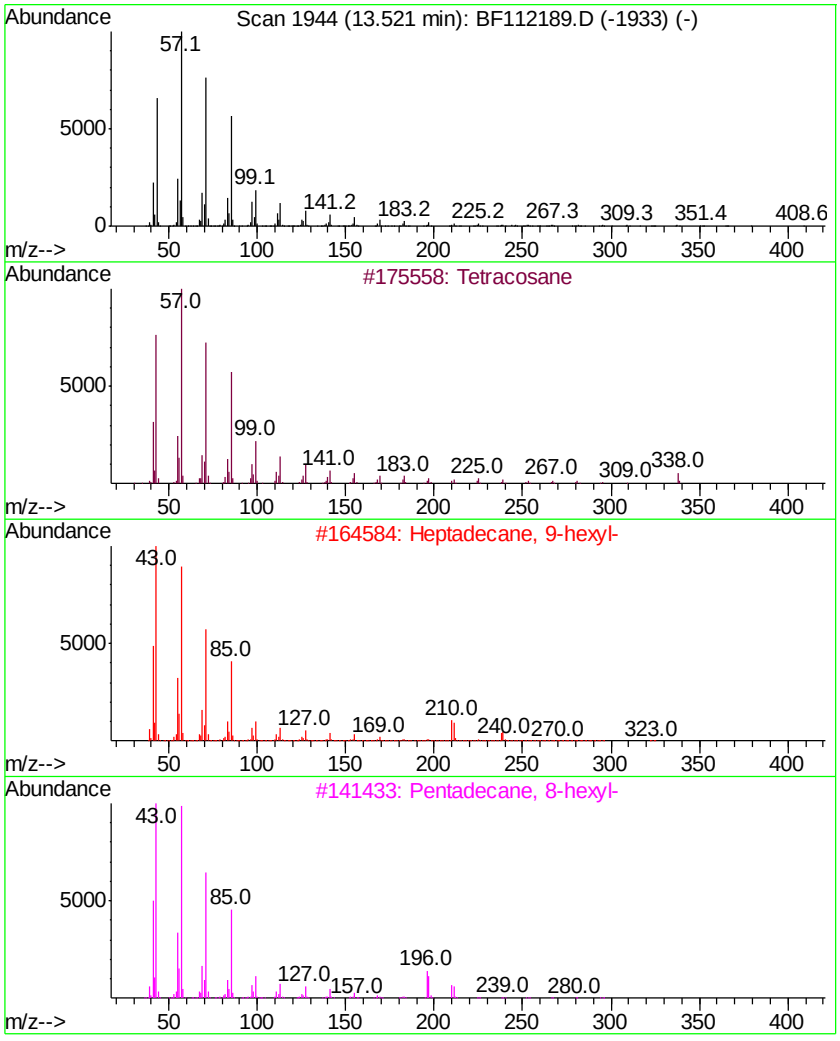
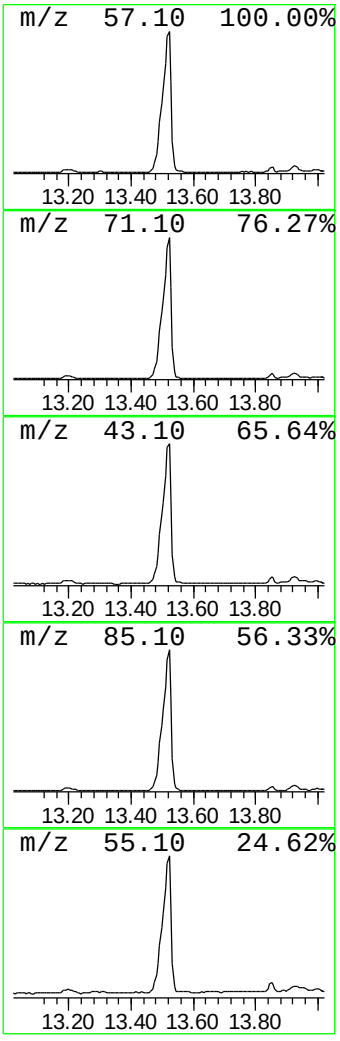
Peak Number 11 Tetracosane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	53.83 ng	10351100	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	98
2	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	94
3	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Octacosane	394	C28H58	000630-02-4	91





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Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

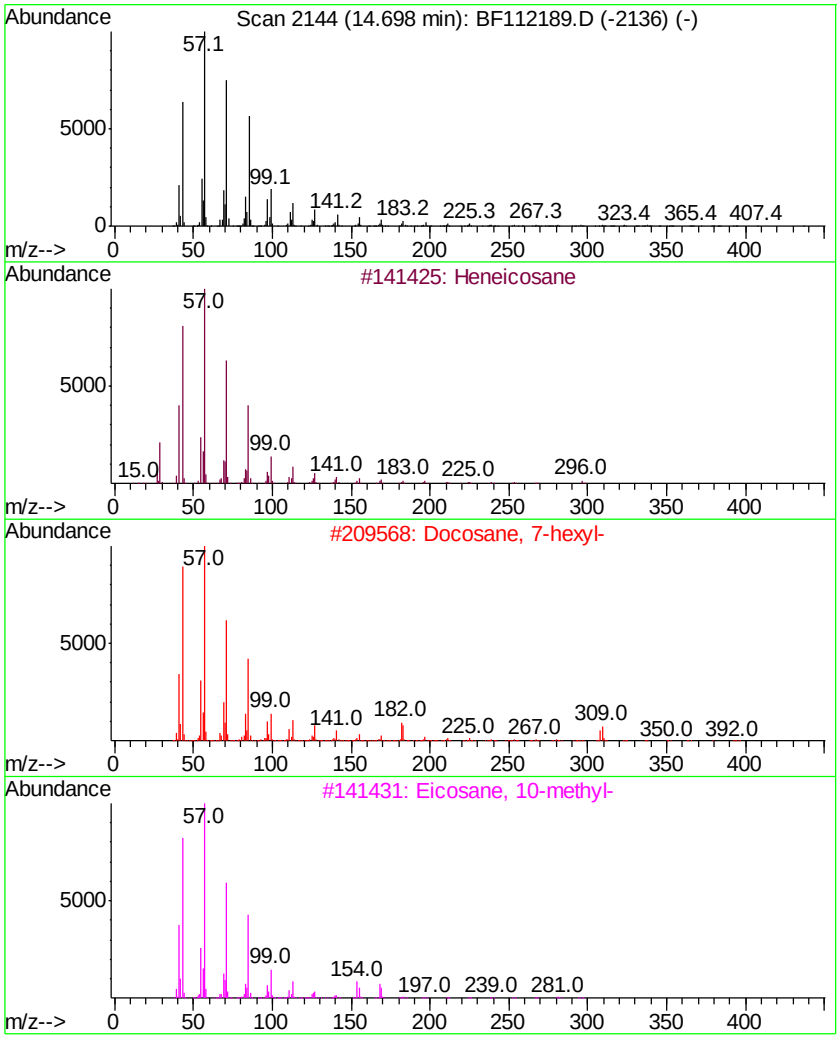
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

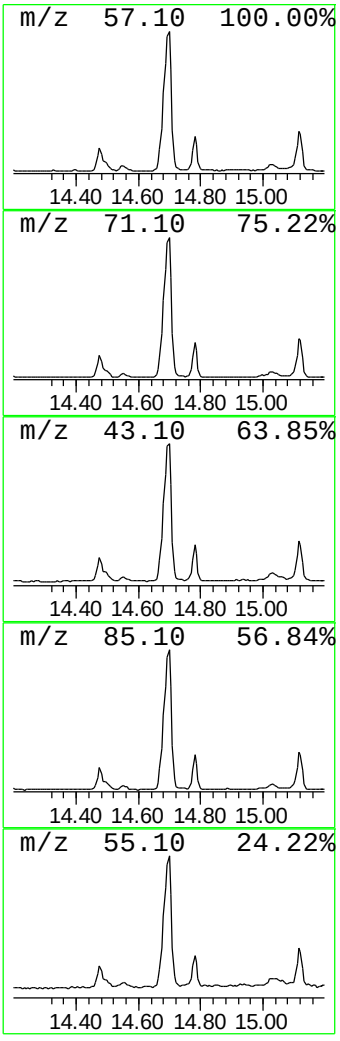
****

Peak Number 13 Heneicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	37.73 ng	7255460	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Docosane, 7-hexyl-	394	C28H58	055373-86-9	94
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
4	Hexacosane	366	C26H54	000630-01-3	91
5	Octacosane	394	C28H58	000630-02-4	91





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Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

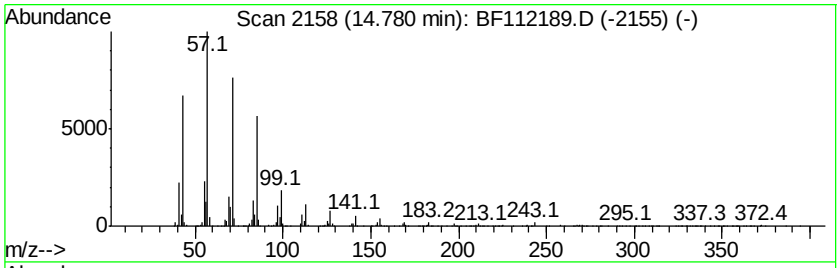
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

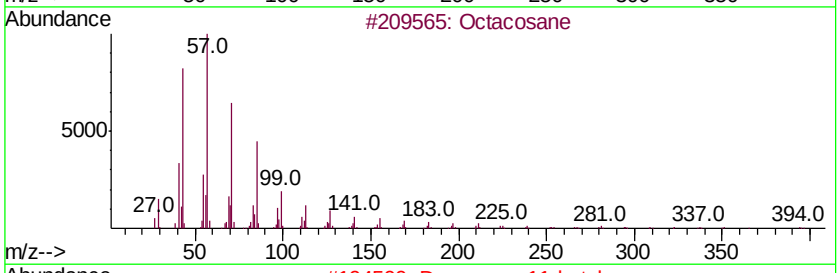
****

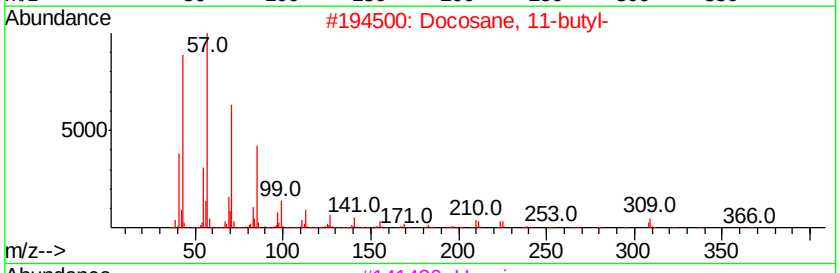
Peak Number 14 Eicosane, 7-hexyl- Concentration Rank 15

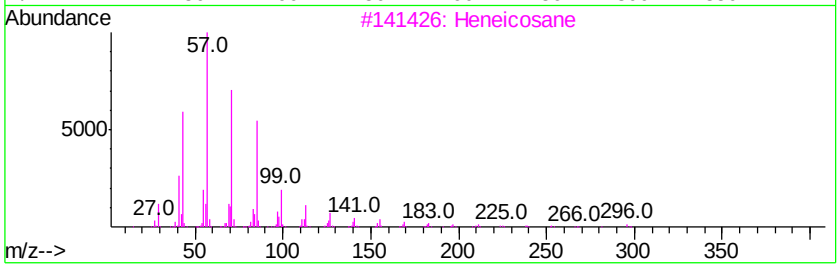
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	5.41 ng	972753	Perylene-d12	15.49

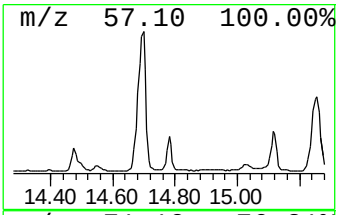
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	93
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	93
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90

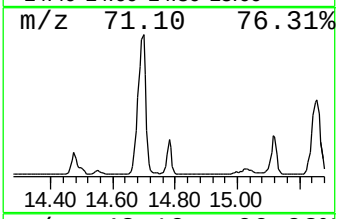


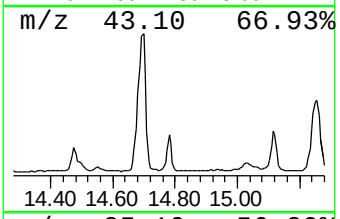


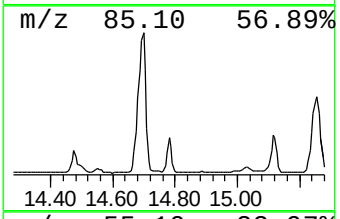


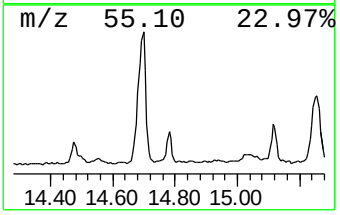












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Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

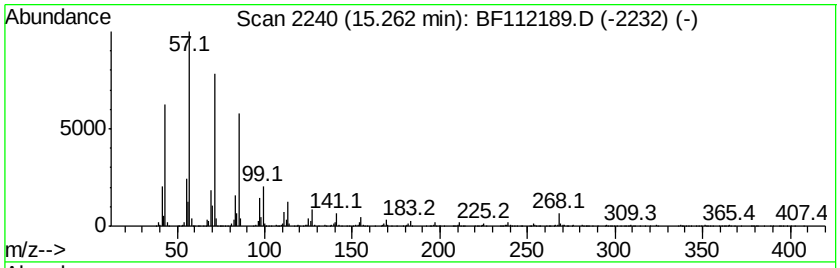
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

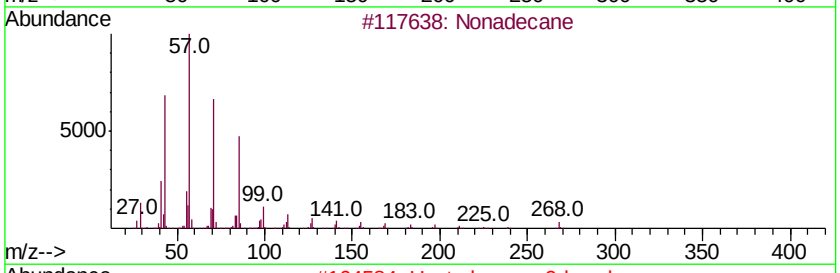
****

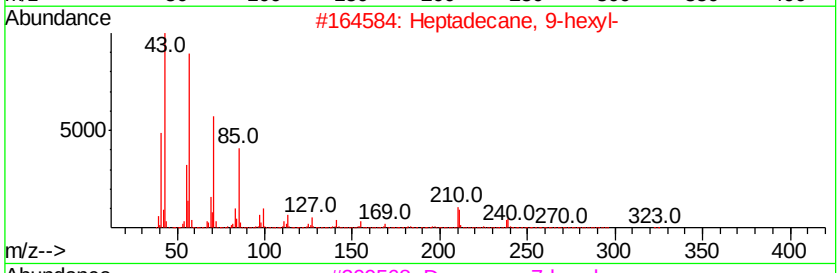
Peak Number 15 Nonadecane Concentration Rank 4

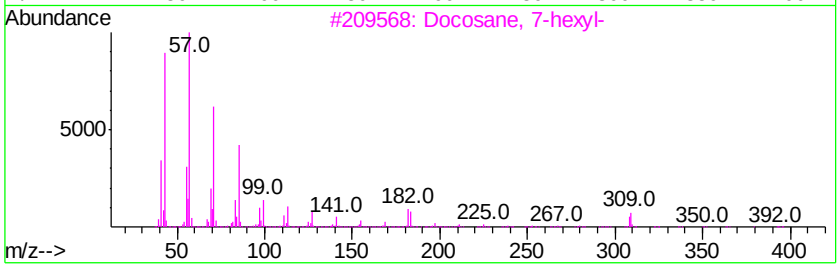
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	23.75 ng	4273700	Perylene-d12	15.49

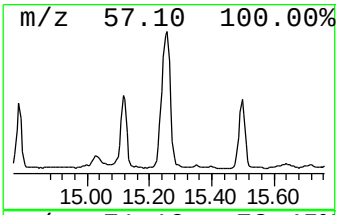
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	96
2	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	94
3	Docosane, 7-hexyl-	394	C28H58	055373-86-9	93
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
5	Heneicosane	296	C21H44	000629-94-7	91

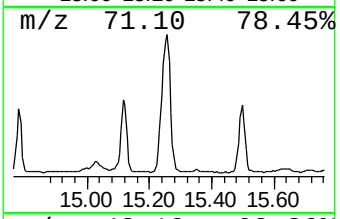


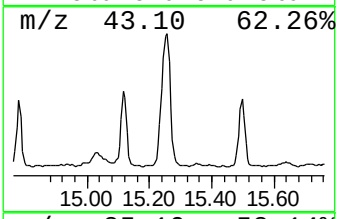


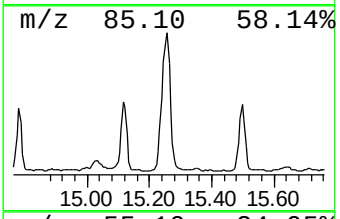


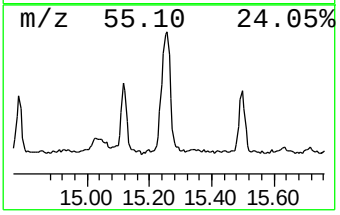












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Data File : BF112189.D
Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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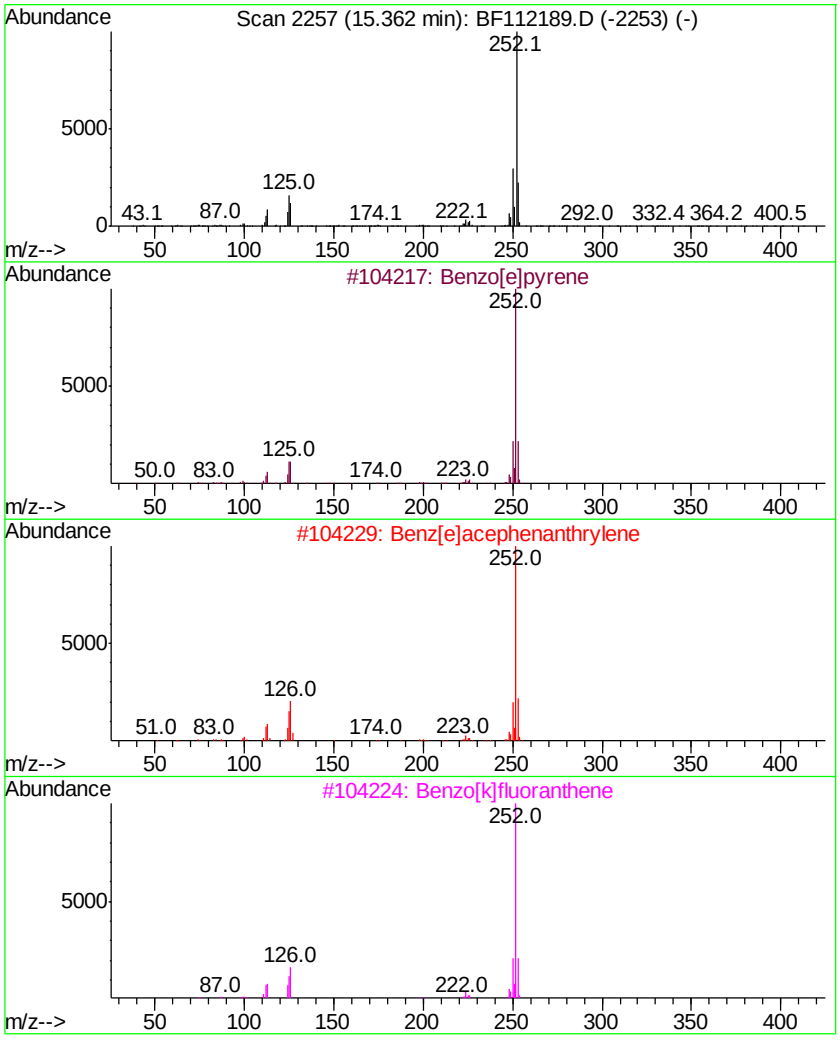
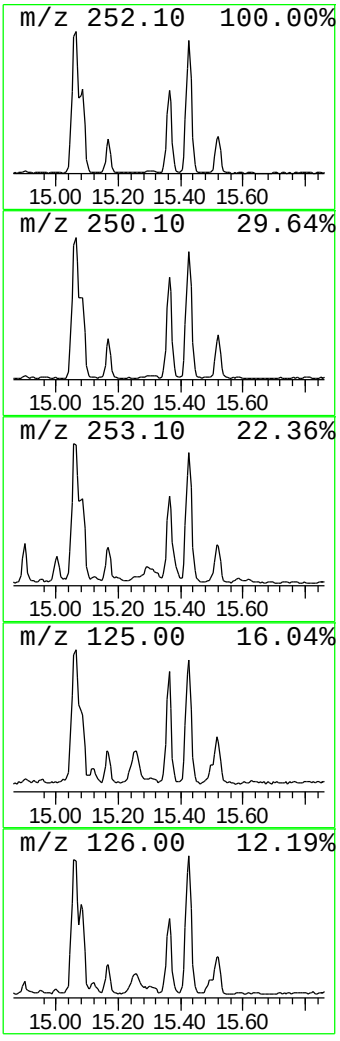
Peak Number 16 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	5.89 ng	1060200	Perylene-d12	15.49

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112189.D
Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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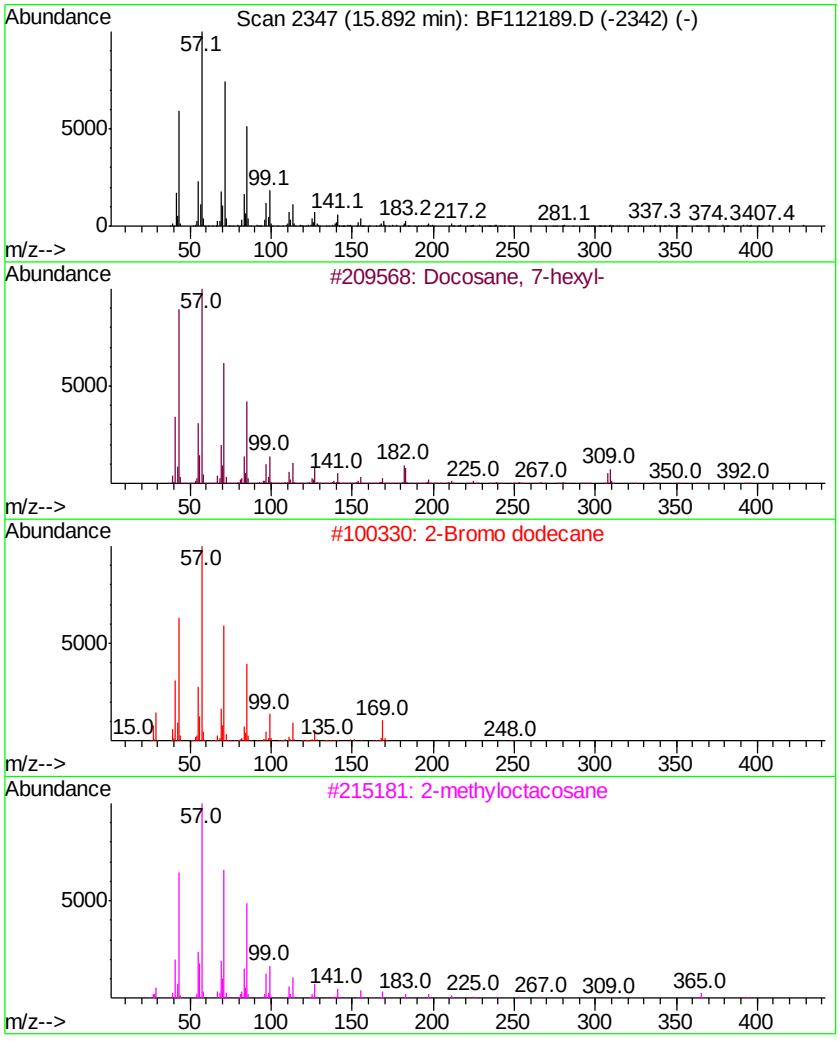
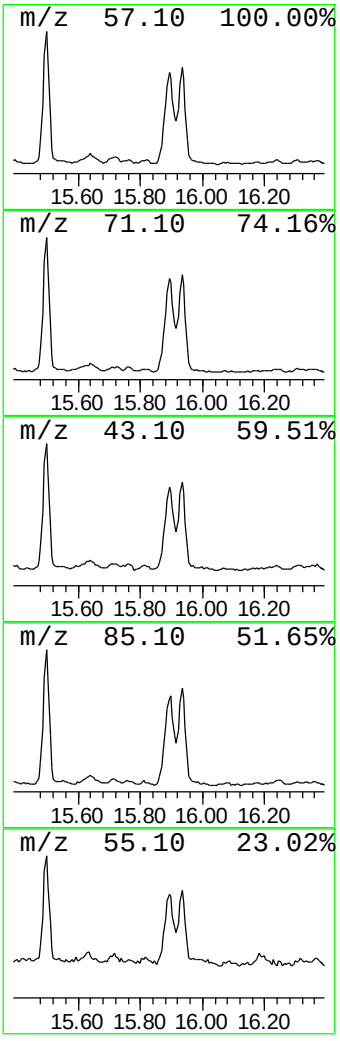
Peak Number 17 Docosane, 7-hexyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	7.24 ng	1302060	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 7-hexyl-	394	C28H58	055373-86-9	94
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Tetratetracontane	619	C44H90	007098-22-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112189.D
Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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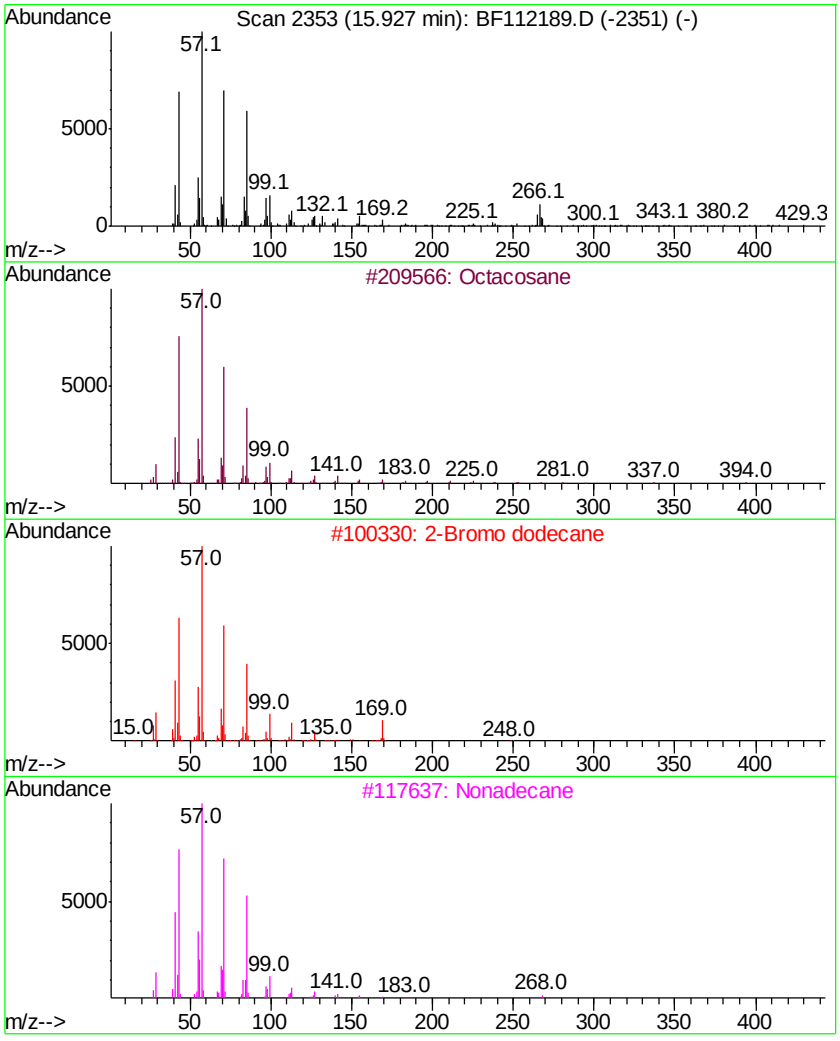
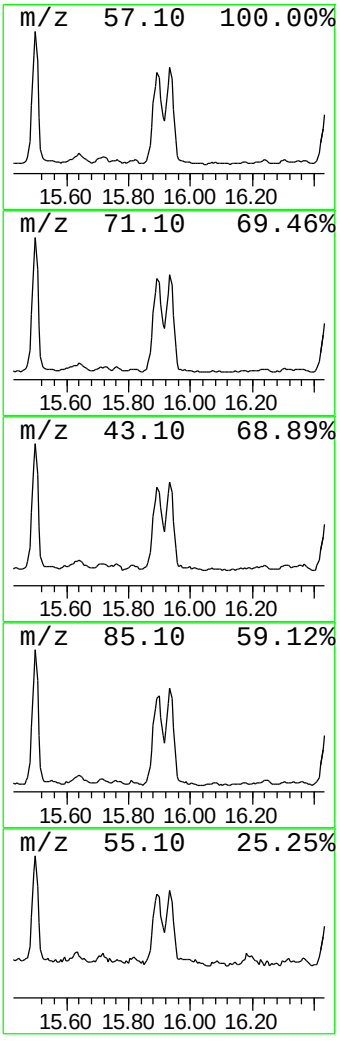
Peak Number 18 Octacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	6.26 ng	1125770	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	95
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	91
3	Nonadecane	268	C19H40	000629-92-5	90
4	Tetracosane	338	C24H50	000646-31-1	86
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112189.D
Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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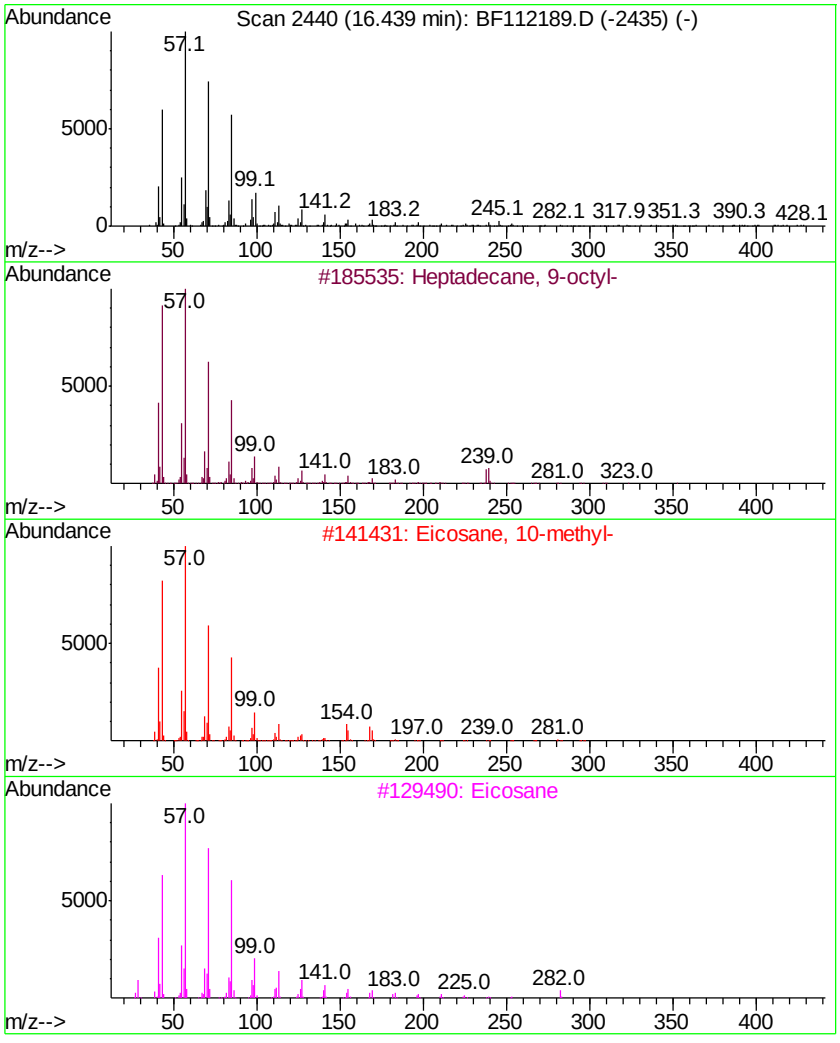
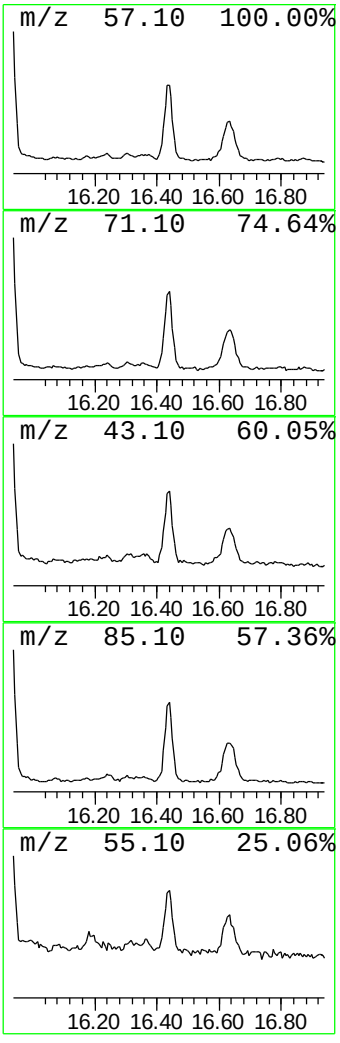
Peak Number 19 Heptadecane, 9-octyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	4.39 ng	790156	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	94
3	Eicosane	282	C20H42	000112-95-8	94
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
5	Heptadecane	240	C17H36	000629-78-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112189.D
Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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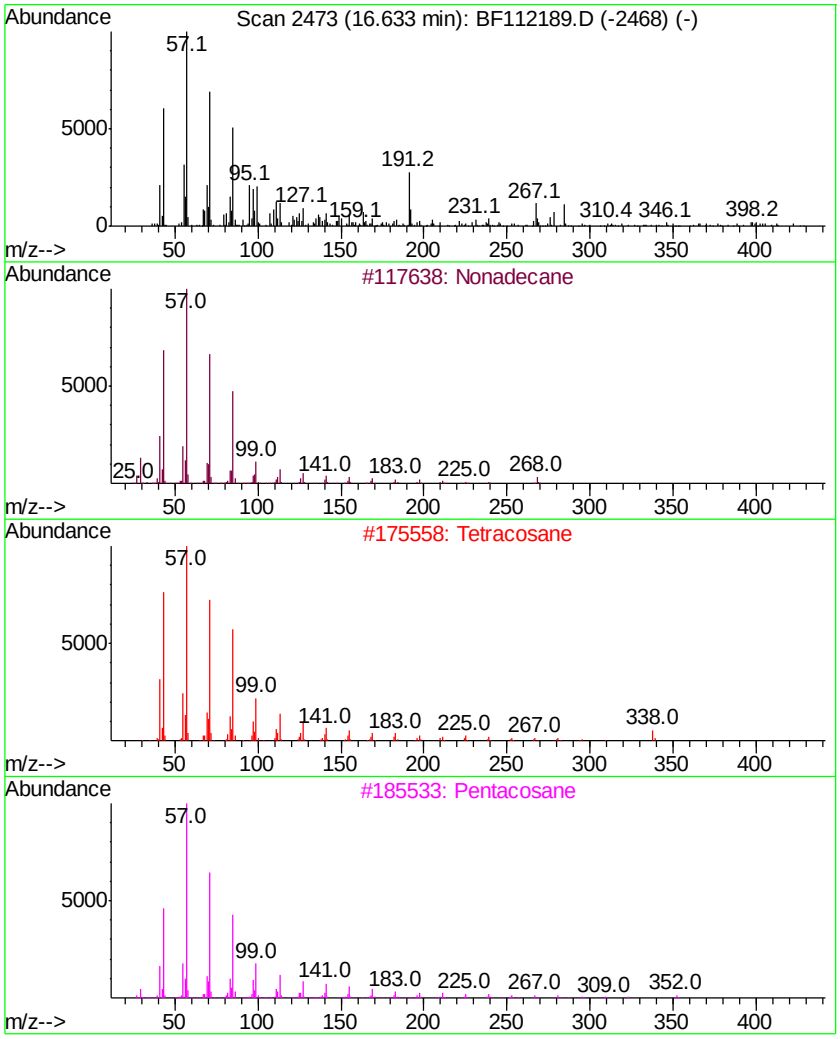
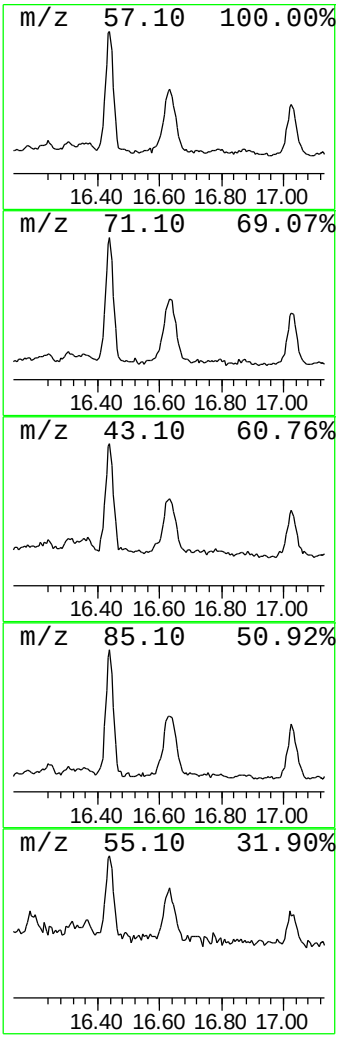
Peak Number 20 Pentacosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	4.98 ng	895671	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	83
2	Tetracosane	338	C24H50	000646-31-1	64
3	Pentacosane	352	C25H52	000629-99-2	50
4	Eicosane	282	C20H42	000112-95-8	46
5	2-methyltetracosane	352	C25H52	1000376-72-6	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012219\
Data File : BF112189.D
Acq On : 22 Jan 2019 13:20
Operator : JU/SJ
Sample : K1013-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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	18.4	ng	1313530	1	6.85	1426670	20.0
unknown10.59	10.59	6.6	ng	706217	3	9.89	2131050	20.0
Hexadecanoic acid...	11.76	5.2	ng	496349	4	11.37	1905400	20.0
Anthracene, 2-met...	11.87	4.5	ng	425988	4	11.37	1905400	20.0
Phenanthrene, 2-m...	11.90	11.3	ng	1075360	4	11.37	1905400	20.0
4H-Cyclopenta[def...	11.99	9.5	ng	906853	4	11.37	1905400	20.0
10,13-Octadecadie...	12.45	13.1	ng	1249190	4	11.37	1905400	20.0
16-Octadecenoic a...	12.47	19.7	ng	1875890	4	11.37	1905400	20.0
11H-Benzo[b]fluorene	13.14	4.3	ng	818162	5	14.02	3846140	20.0
Tetracosane	13.52	53.8	ng	10351100	5	14.02	3846140	20.0
Heneicosane	14.70	37.7	ng	7255460	5	14.02	3846140	20.0
Eicosane, 7-hexyl-	14.78	5.4	ng	972753	6	15.49	3598160	20.0
Nonadecane	15.26	23.8	ng	4273700	6	15.49	3598160	20.0
Benzo[e]pyrene	15.36	5.9	ng	1060200	6	15.49	3598160	20.0
Docosane, 7-hexyl-	15.89	7.2	ng	1302060	6	15.49	3598160	20.0
Octacosane	15.93	6.3	ng	1125770	6	15.49	3598160	20.0
Heptadecane, 9-oc...	16.44	4.4	ng	790156	6	15.49	3598160	20.0
Pentacosane	16.63	5.0	ng	895671	6	15.49	3598160	20.0