LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112192.D
Acq On : 22 Jan 2019 14:41
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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	588	rBV	890152	855706	9.06%	1.500%
2	6.492	745	749	763	rBV	977743	983729	10.42%	1.725%
3	6.622	768	771	779	rBV	1063846	1008292	10.68%	1.768%
4	6.851	807	810	818	rBV	1772481	1437719	15.22%	2.521%
5	7.010	833	837	844	rBV	879702	811647	8.59%	1.423%
6	7.410	902	905	910	rVB	573720	502108	5.32%	0.880%
7	8.134	1023	1028	1034	rBV	2189308	1998702	21.16%	3.504%
8	8.192	1034	1038	1041	rVB3	62640	100447	1.06%	0.176%
9	8.639	1111	1114	1117	rBV2	115550	104422	1.11%	0.183%
10	8.728	1126	1129	1133	rBV3	147995	156624	1.66%	0.275%
11	8.957	1163	1168	1171	rBV2	112996	140874	1.49%	0.247%
12	9.157	1199	1202	1207	rBV5	117449	125120	1.32%	0.219%
13	9.204	1207	1210	1216	rVB	1338647	1143099	12.10%	2.004%
14	9.292	1221	1225	1230	rBV2	210630	223872	2.37%	0.392%
15	9.469	1252	1255	1260	rVB3	95931	134288	1.42%	0.235%
16	9.610	1275	1279	1281	rBV3	173406	233732	2.48%	0.410%
17	9.751	1300	1303	1307	rBV	120654	138671	1.47%	0.243%
18	9.822	1312	1315	1317	rVB	248058	206364	2.19%	0.362%
19	9.892	1323	1327	1330	rVV	2002739	1796199	19.02%	3.149%
20	9.922	1330	1332	1335	rVB	172307	128885	1.36%	0.226%
21	10.092	1357	1361	1366	rVB2	147238	186304	1.97%	0.327%
22	10.133	1366	1368	1374	rBV3	86930	122301	1.30%	0.214%
23	10.316	1397	1399	1402	rVB	352385	271797	2.88%	0.476%
24	10.439	1416	1420	1425	rBV	243283	271288	2.87%	0.476%
25	10.539	1432	1437	1442	rVB	130433	201477	2.13%	0.353%
26	10.680	1458	1461	1464	rVB	531222	500449	5.30%	0.877%
27	10.792	1477	1480	1487	rVB	348935	470294	4.98%	0.824%
28	10.986	1509	1513	1515	rBV2	99834	122210	1.29%	0.214%
29	11.239	1553	1556	1558	rVV	275705	229575	2.43%	0.402%
30	11.269	1558	1561	1566	rVB	243611	271094	2.87%	0.475%
31	11.375	1576	1579	1581	rBV	1778908	1568390	16.61%	2.750%
32	11.398	1581	1583	1587	rVV	1256737	1104604	11.70%	1.937%
33	11.451	1589	1592	1595	rVB	433570	354832	3.76%	0.622%
34	11.604	1616	1618	1625	rBV2	61806	101956	1.08%	0.179%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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	11.663	1625	1628	1630	rVV2	296878	244566	2.59%	0.429%
36	11.704	1634	1635	1641	rVB3	89613	103074	1.09%	0.181%
37	11.763	1641	1645	1648	rBV	4049288	3166539	33.53%	5.551%
38	11.874	1661	1664	1666	rBV	189094	185242	1.96%	0.325%
39	11.904	1666	1669	1675	rVB2	334441	357908	3.79%	0.627%
40	11.957	1675	1678	1680	rBV2	110213	104786	1.11%	0.184%
41	11.992	1680	1684	1686	rBV2	362720	373617	3.96%	0.655%
42	12.069	1694	1697	1702	rVB	230885	250052	2.65%	0.438%
43	12.169	1711	1714	1717	rBV	177117	163496	1.73%	0.287%
44	12.457	1758	1763	1764	rBV	7633639	8096241	85.73%	14.194%
45	12.474	1764	1766	1772	rVV	9157130	9443591	100.00%	16.556%
46	12.522	1772	1774	1777	rVB3	154711	137313	1.45%	0.241%
47	12.557	1777	1780	1783	rBV	1613412	1305415	13.82%	2.289%
48	12.592	1783	1786	1791	rBV	1948231	1706625	18.07%	2.992%
49	12.633	1791	1793	1800	rVB5	83380	143821	1.52%	0.252%
50	12.821	1822	1825	1831	rVB	1652473	1615136	17.10%	2.832%
51	12.957	1843	1848	1851	rBV	1113641	982675	10.41%	1.723%
52	13.039	1858	1862	1865	rBV2	161224	265436	2.81%	0.465%
53	13.116	1872	1875	1877	rBV2	236169	251546	2.66%	0.441%
54	13.151	1878	1881	1884	rVV	368837	413309	4.38%	0.725%
55	13.216	1884	1892	1895	rVV4	352270	678459	7.18%	1.189%
56	13.251	1895	1898	1901	rVV2	196592	231646	2.45%	0.406%
57	13.280	1901	1903	1906	rVB	268490	220416	2.33%	0.386%
58	13.374	1917	1919	1922	rBV	124916	128149	1.36%	0.225%
59	13.527	1942	1945	1948	rBV	181927	190253	2.01%	0.334%
60	13.857	1998	2001	2007	rVB4	217731	243811	2.58%	0.427%
61	13.945	2014	2016	2021	rVB	201435	177139	1.88%	0.311%
62	14.016	2023	2028	2031	rVV2	1976530	2548609	26.99%	4.468%
63	14.045	2031	2033	2039	rVB	782615	685807	7.26%	1.202%
64	14.174	2052	2055	2058	rVB3	189676	182513	1.93%	0.320%
65	14.474	2104	2106	2109	rVB2	220102	205021	2.17%	0.359%
66	14.786	2156	2159	2162	rBV	223489	242426	2.57%	0.425%
67	15.063	2202	2206	2209	rBV	513557	808885	8.57%	1.418%
68	15.121	2213	2216	2219	rBV	329518	339886	3.60%	0.596%
69	15.362	2255	2257	2263	rVB	295857	386468	4.09%	0.678%
70	15.427	2265	2268	2275	rVB	446386	531634	5.63%	0.932%
71	15.492	2275	2279	2284	rBV2	1039864	1507654	15.96%	2.643%

LSC Area Percent Report

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Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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

72	15.933	2351	2354	2359	rVB	282596	414745	4.39%	0.727%

Sum of corrected areas: 57040980

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112192.D
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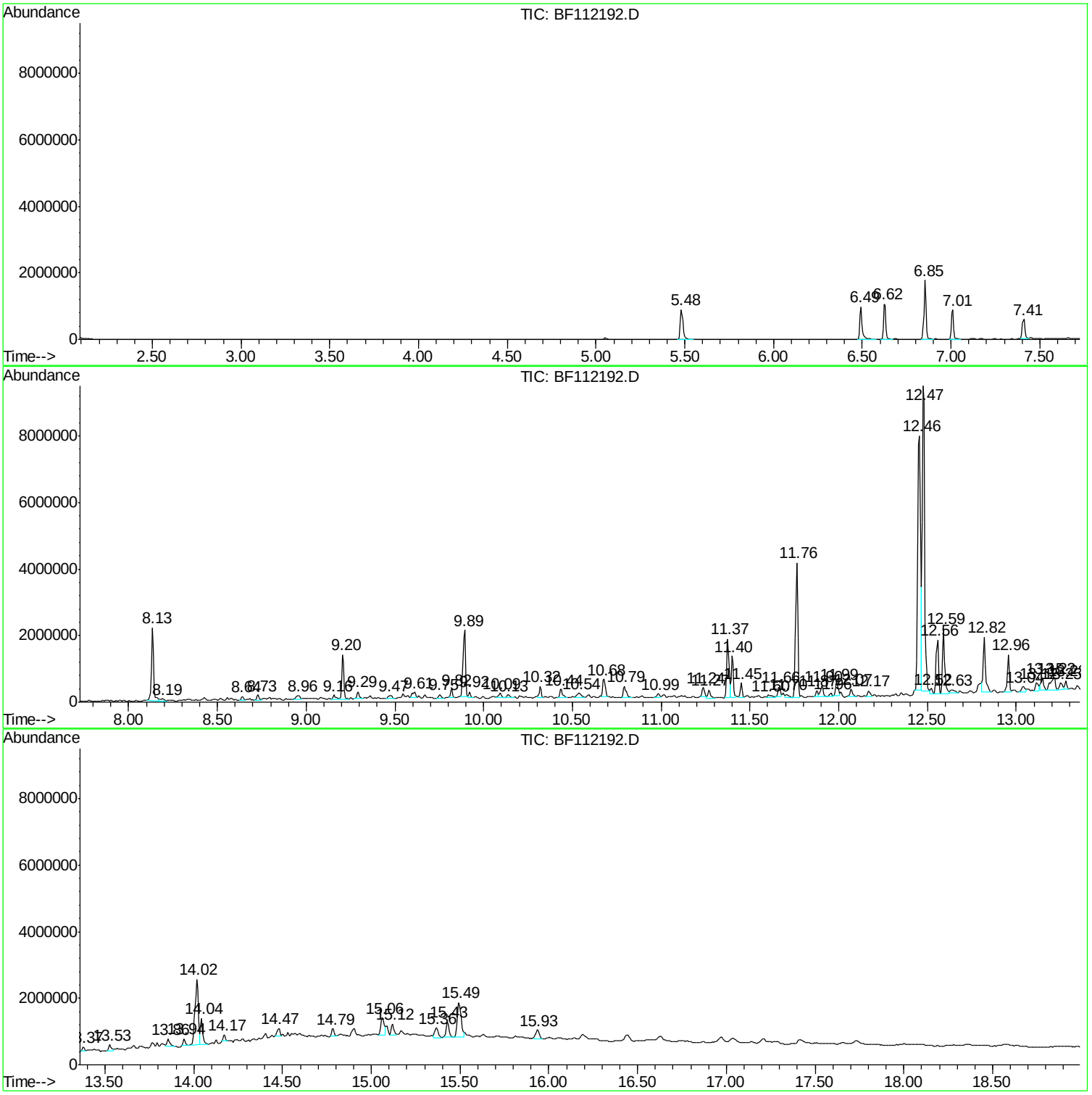
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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 : BF112192.D
Acq On : 22 Jan 2019 14:41
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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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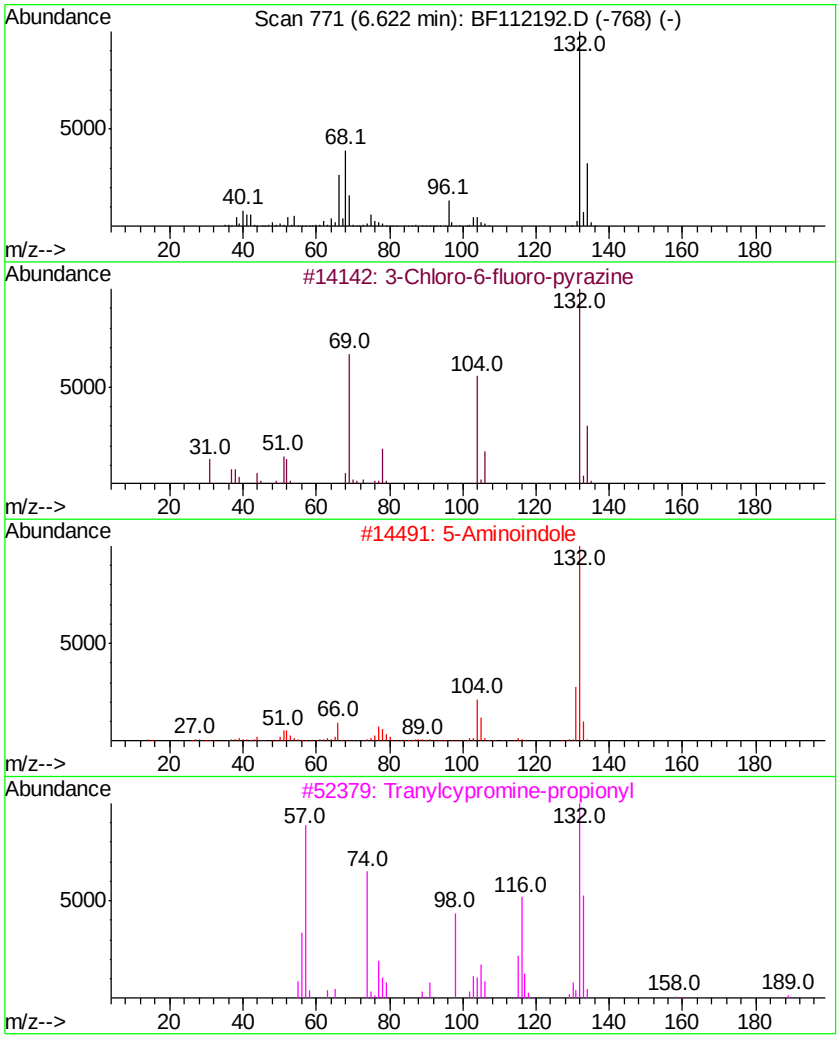
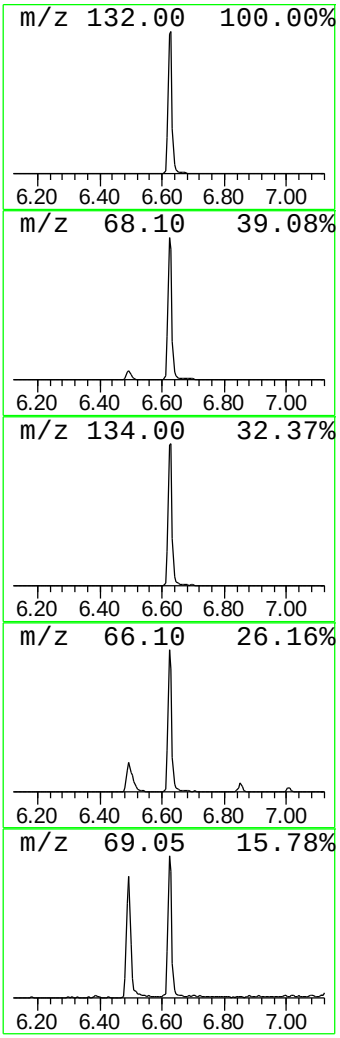
Peak Number 1 unknown6.62 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	14.03 ng	1008290	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	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112192.D
Acq On : 22 Jan 2019 14:41
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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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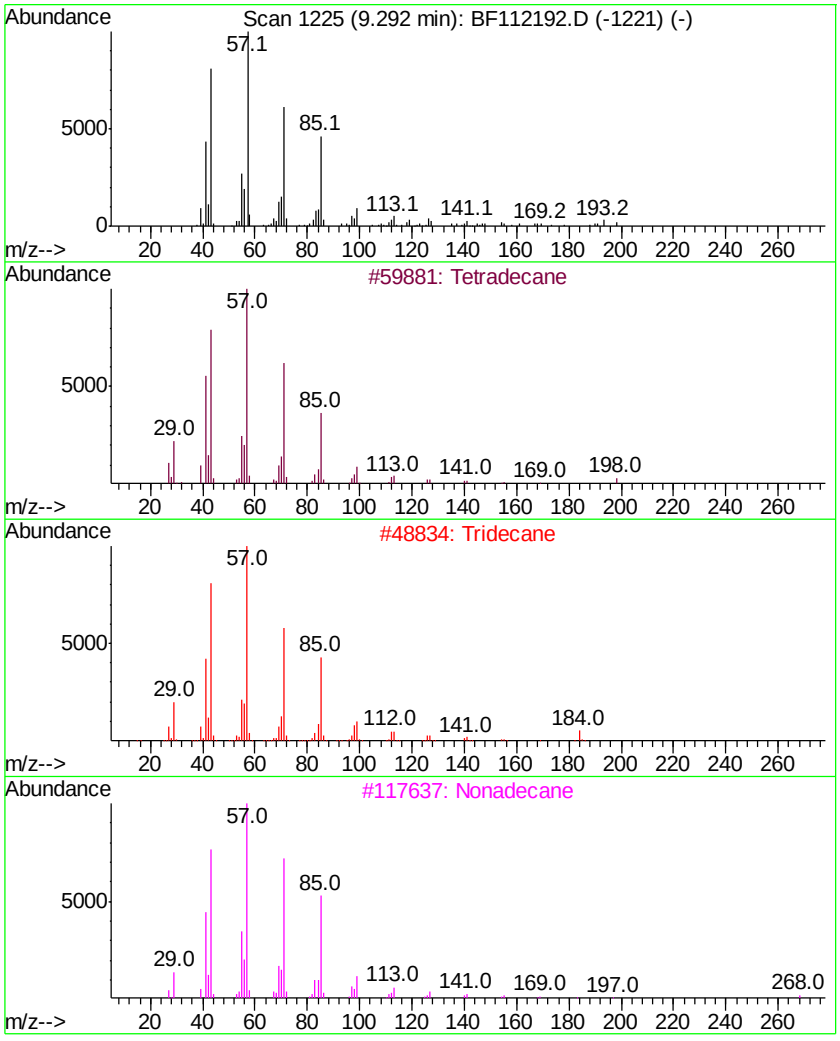
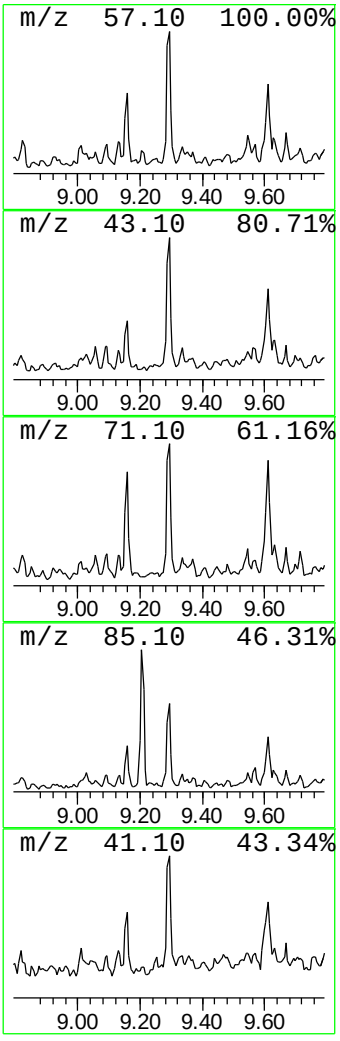
Peak Number 3 Tetradecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	2.49 ng	223872	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Tridecane	184	C13H28	000629-50-5	86
3	Nonadecane	268	C19H40	000629-92-5	83
4	Hexadecane	226	C16H34	000544-76-3	68
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112192.D
Acq On : 22 Jan 2019 14:41
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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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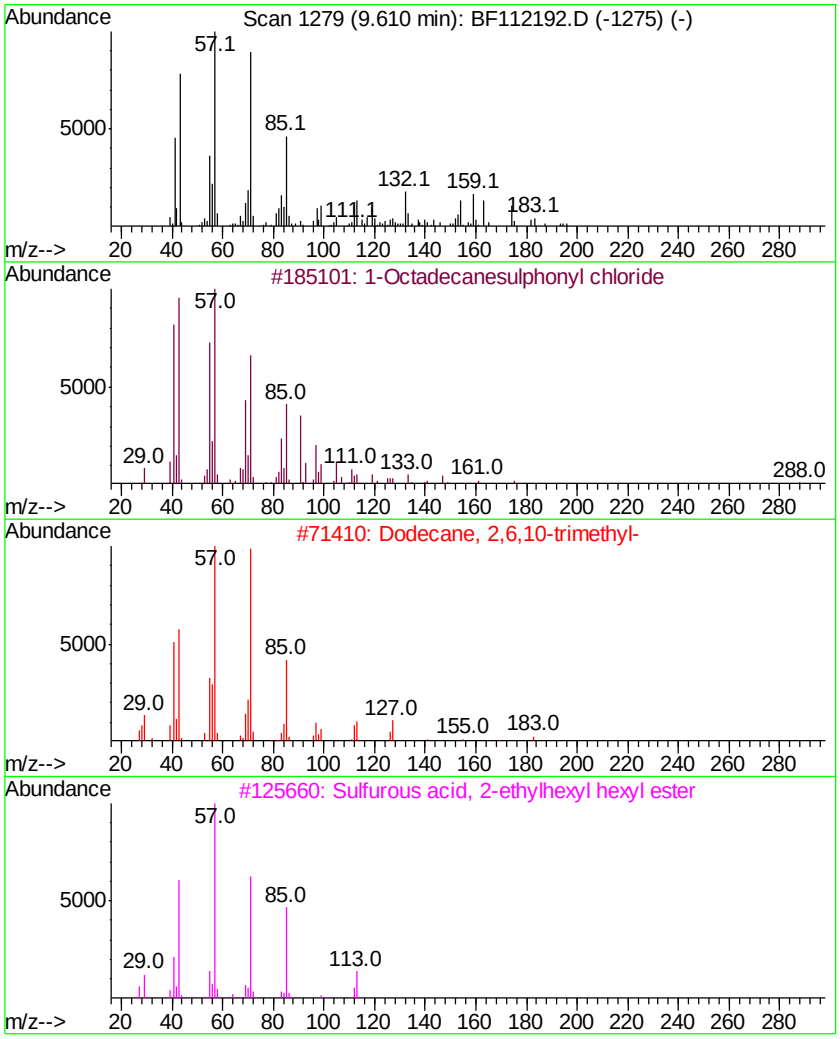
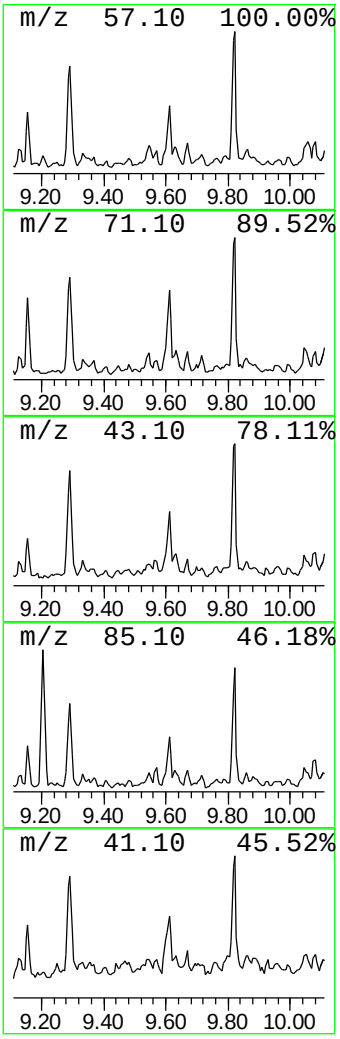
Peak Number 4 1-Octadecanesulphonyl chloride Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	2.60 ng	233732	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	58
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	53
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53
4	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	50
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	47





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ClientSampleId : PL-01-011819-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
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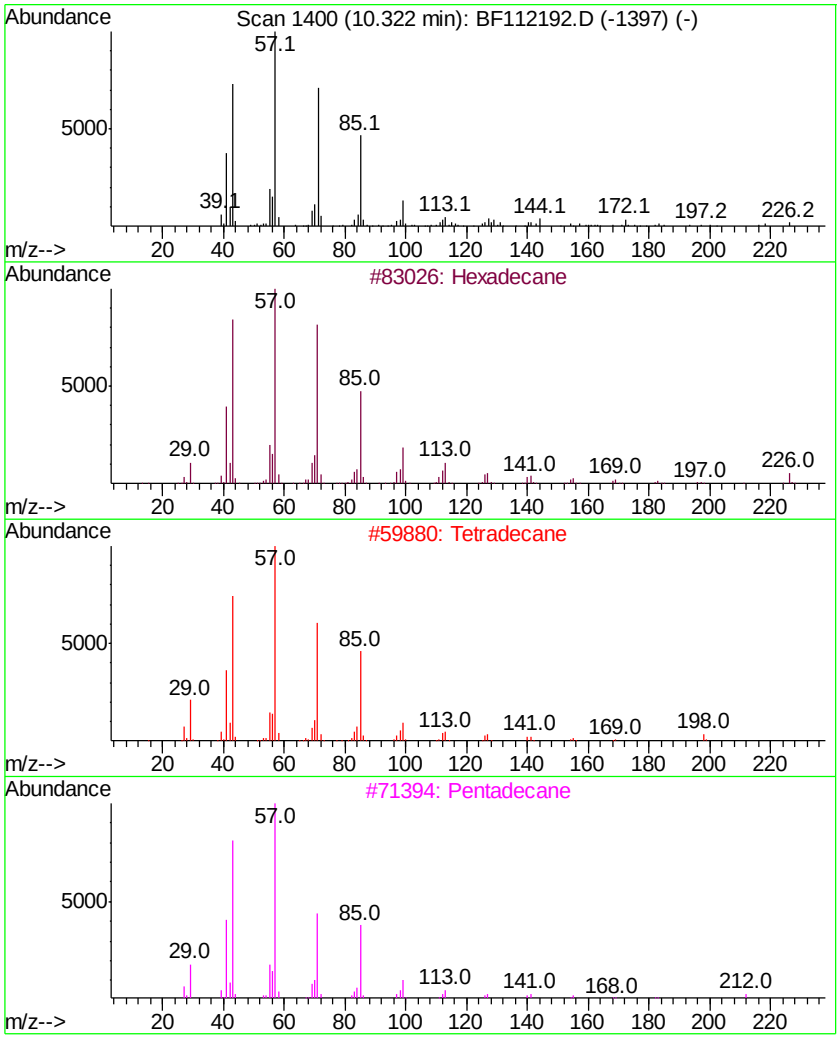
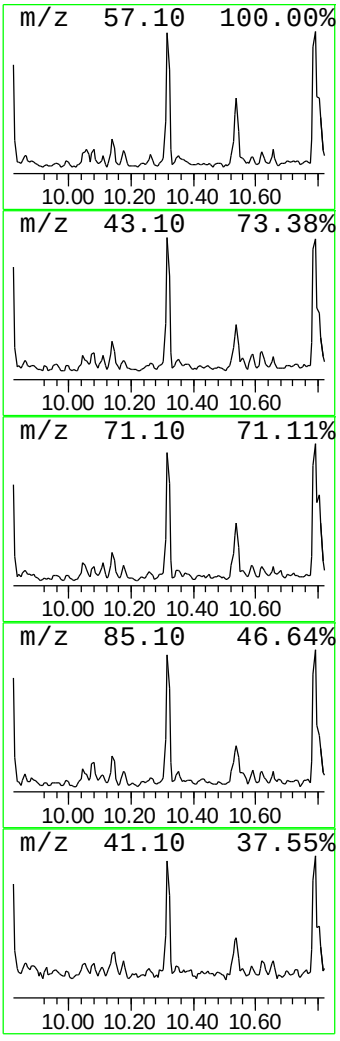
Peak Number 5 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	3.03 ng	271797	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Tetradecane	198	C14H30	000629-59-4	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	86
5	Heptadecane	240	C17H36	000629-78-7	86





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

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

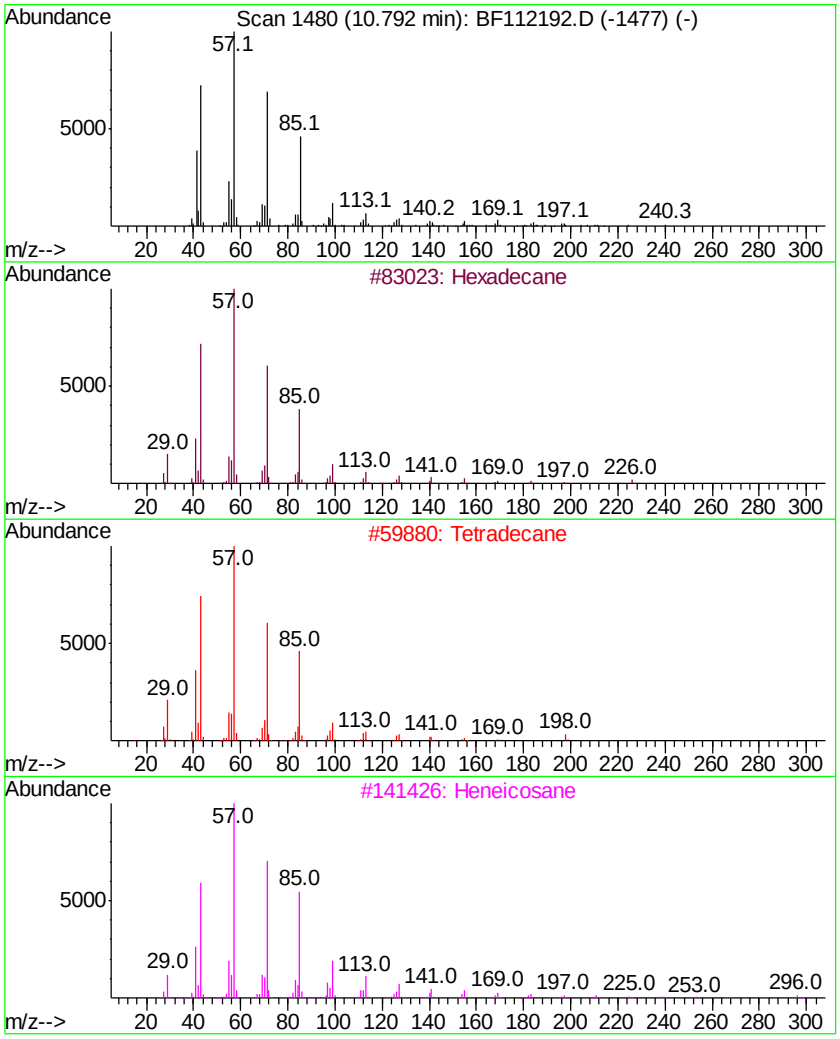
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

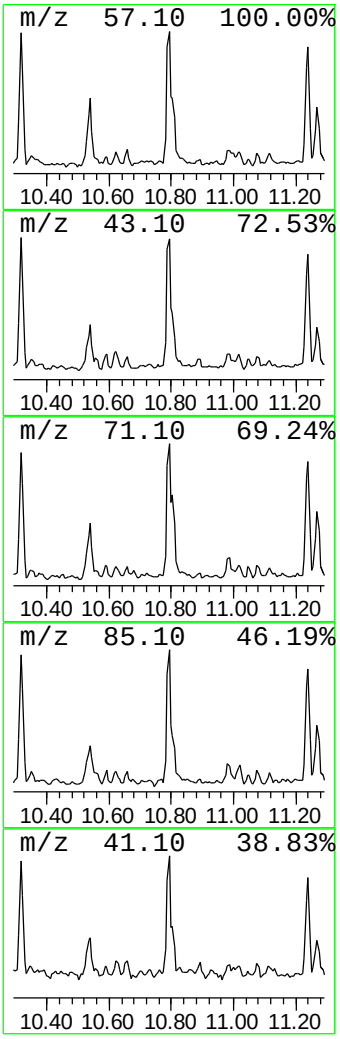
****

Peak Number 6 Heptadecane, 2,6,10,15-tetr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	6.00 ng	470294	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tetradecane	198	C14H30	000629-59-4	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	87





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Data File : BF112192.D
Acq On : 22 Jan 2019 14:41
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Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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

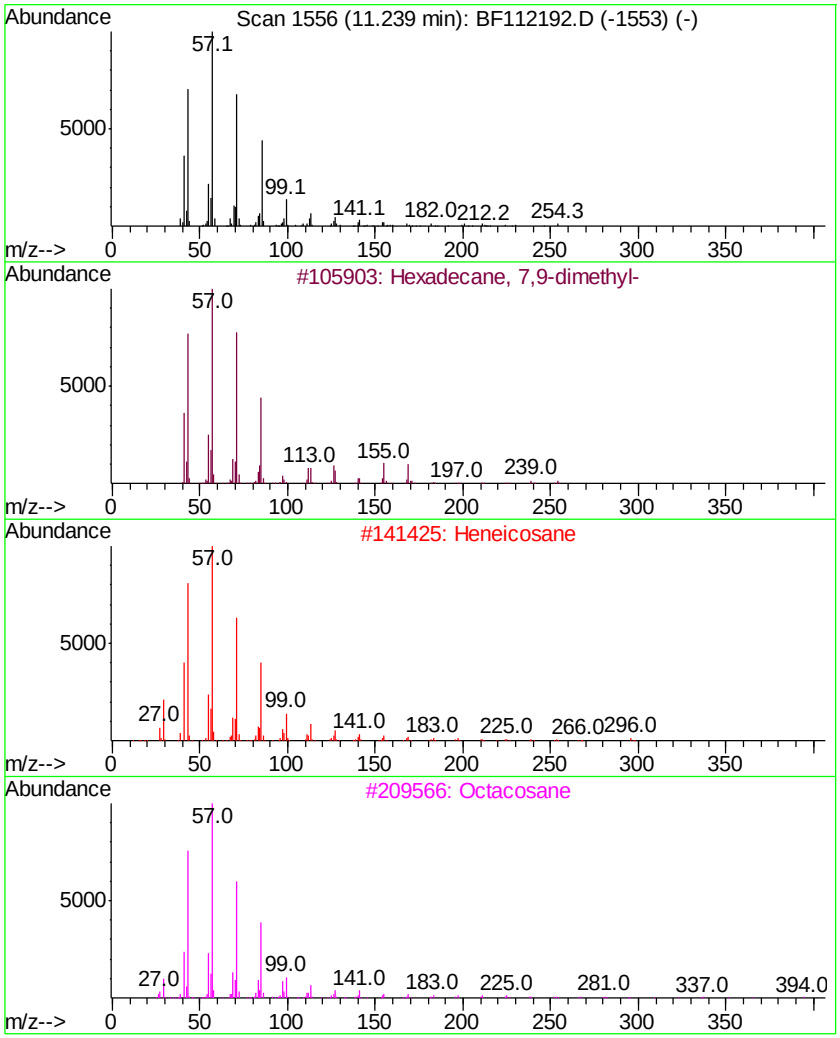
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

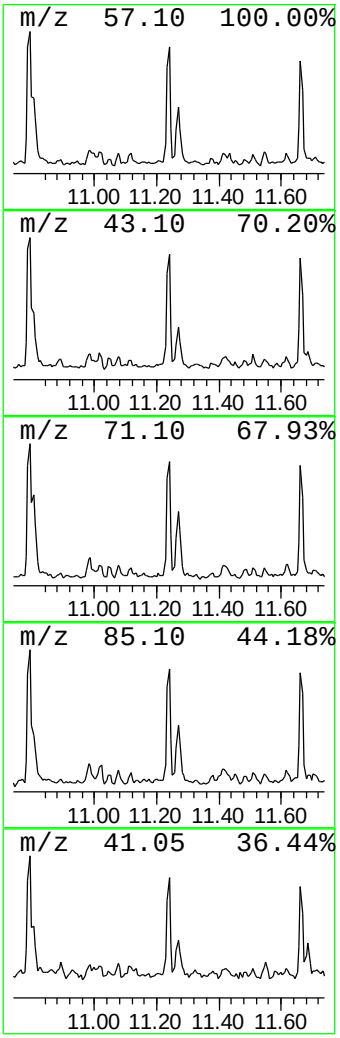
****

Peak Number 7 Hexadecane, 7,9-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	2.93 ng	229575	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Tritetracontane	605	C43H88	007098-21-7	90
5	Tetradecane	198	C14H30	000629-59-4	90





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Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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

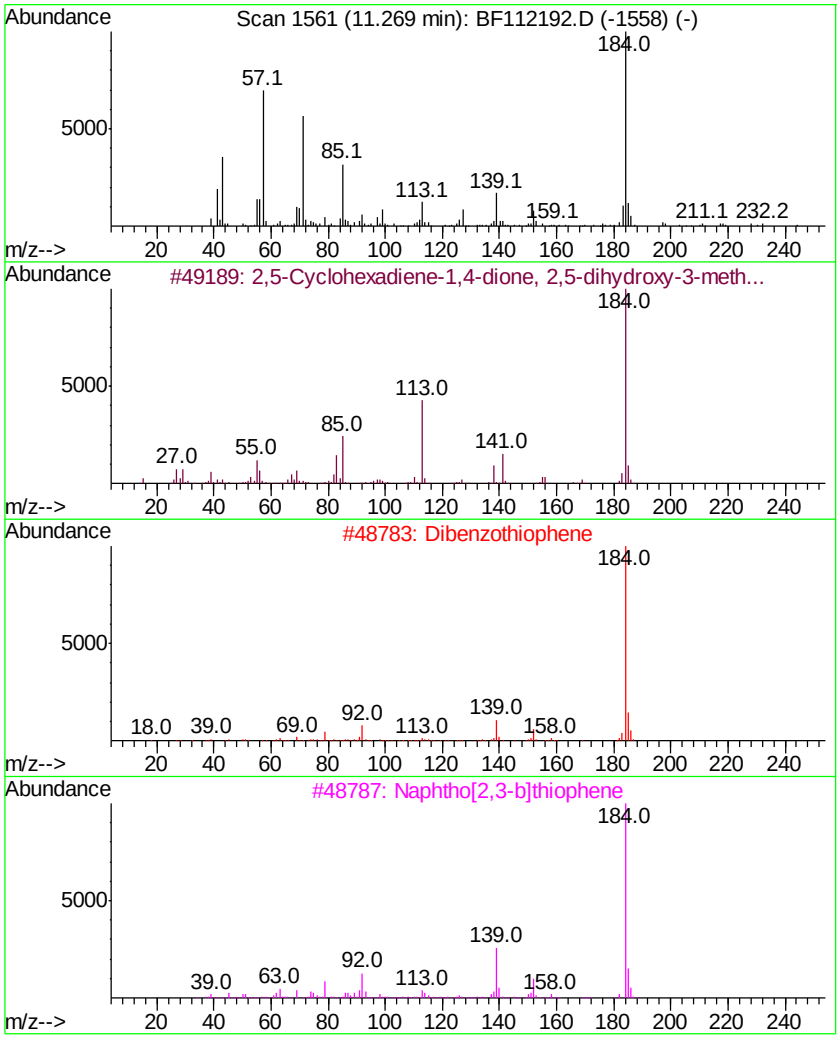
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

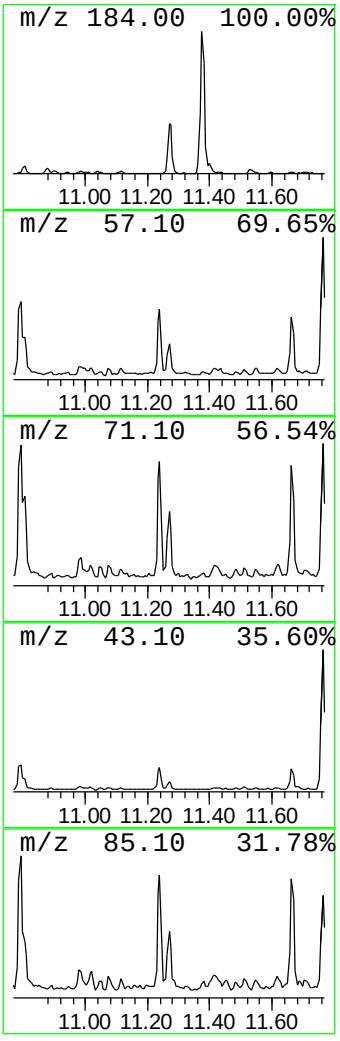
****

Peak Number 8 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	3.46 ng	271094	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	70
2	Dibenzothiophene	184	C12H8S	000132-65-0	55
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	55
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	46
5	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	43





Library Search Compound Report

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Acq On : 22 Jan 2019 14:41
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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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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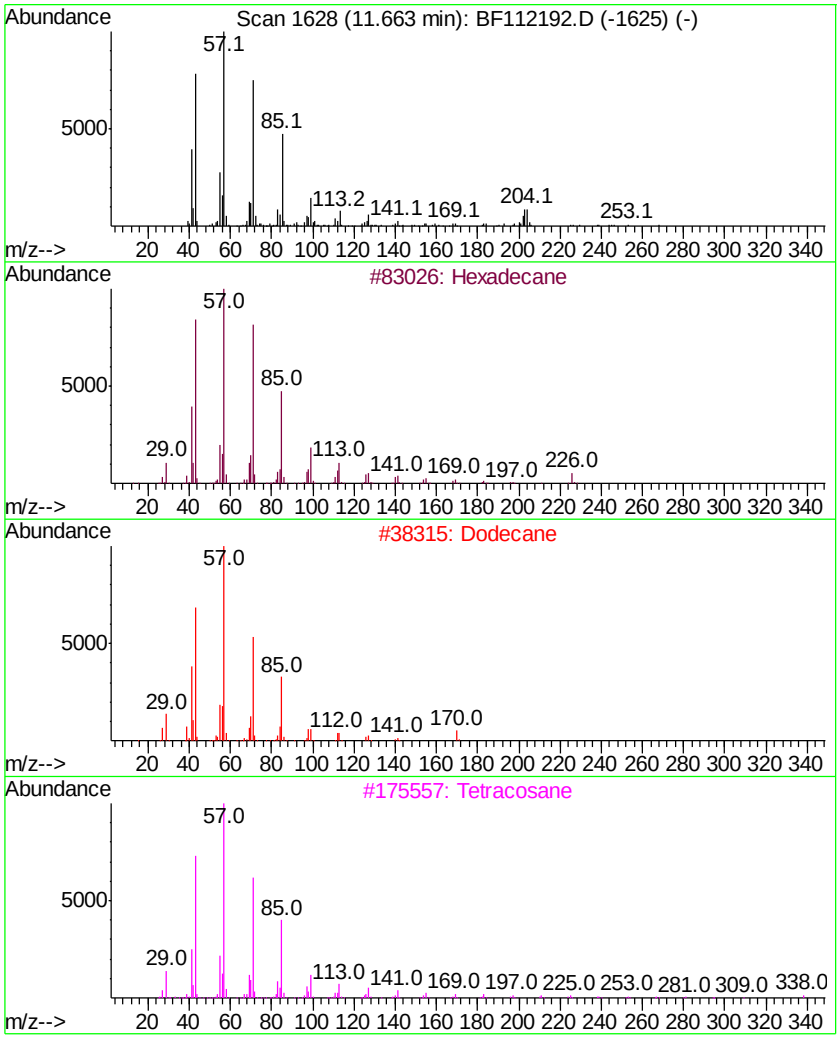
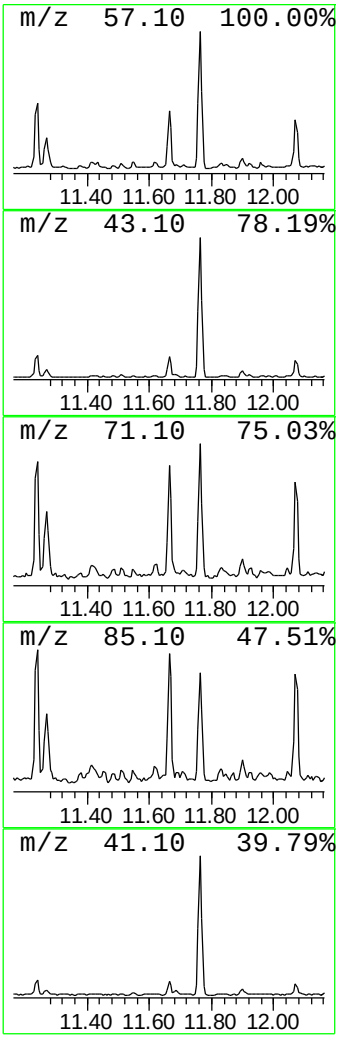
Peak Number 9 Dodecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	3.12 ng	244566	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Dodecane	170	C12H26	000112-40-3	83
3	Tetracosane	338	C24H50	000646-31-1	83
4	Tridecane	184	C13H28	000629-50-5	83
5	Heneicosane	296	C21H44	000629-94-7	83





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Operator : JU/SJ
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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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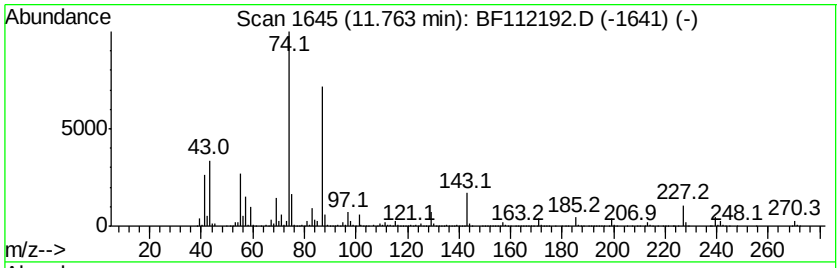
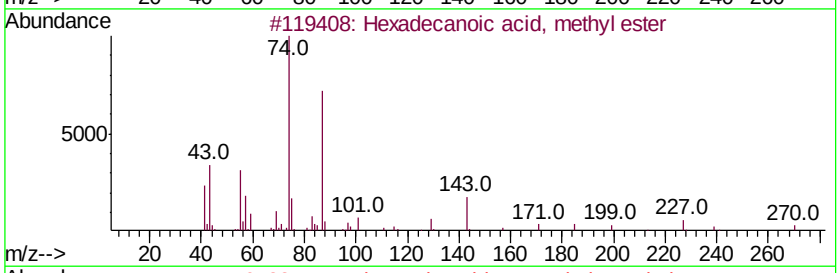
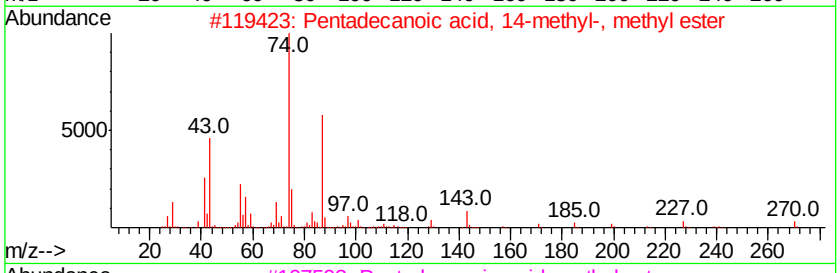
Peak Number 10 Hexadecanoic acid, methyl e... Concentration Rank 3

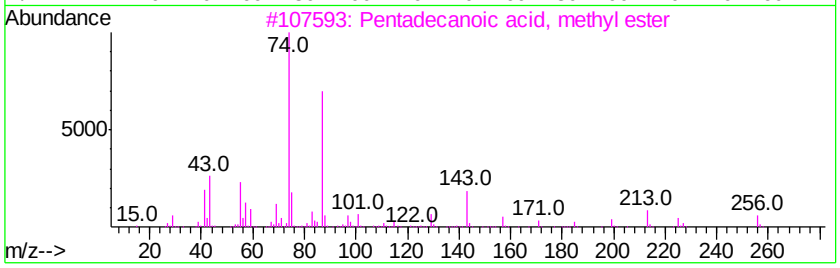
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	40.38 ng	3166540	Phenanthrene-d10	11.37

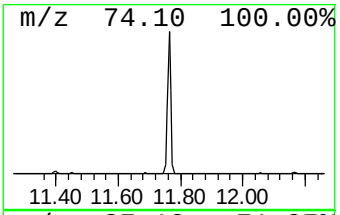
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	83
5	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	80

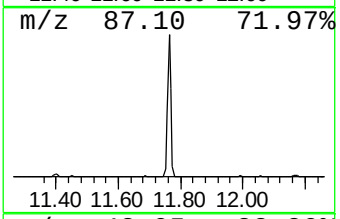


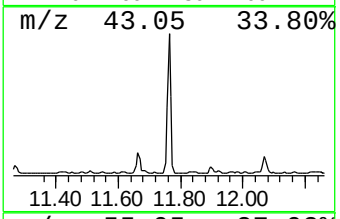


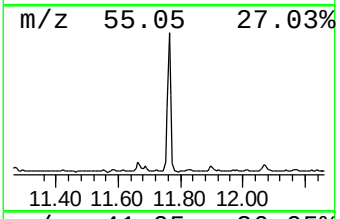


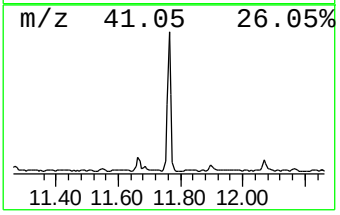












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Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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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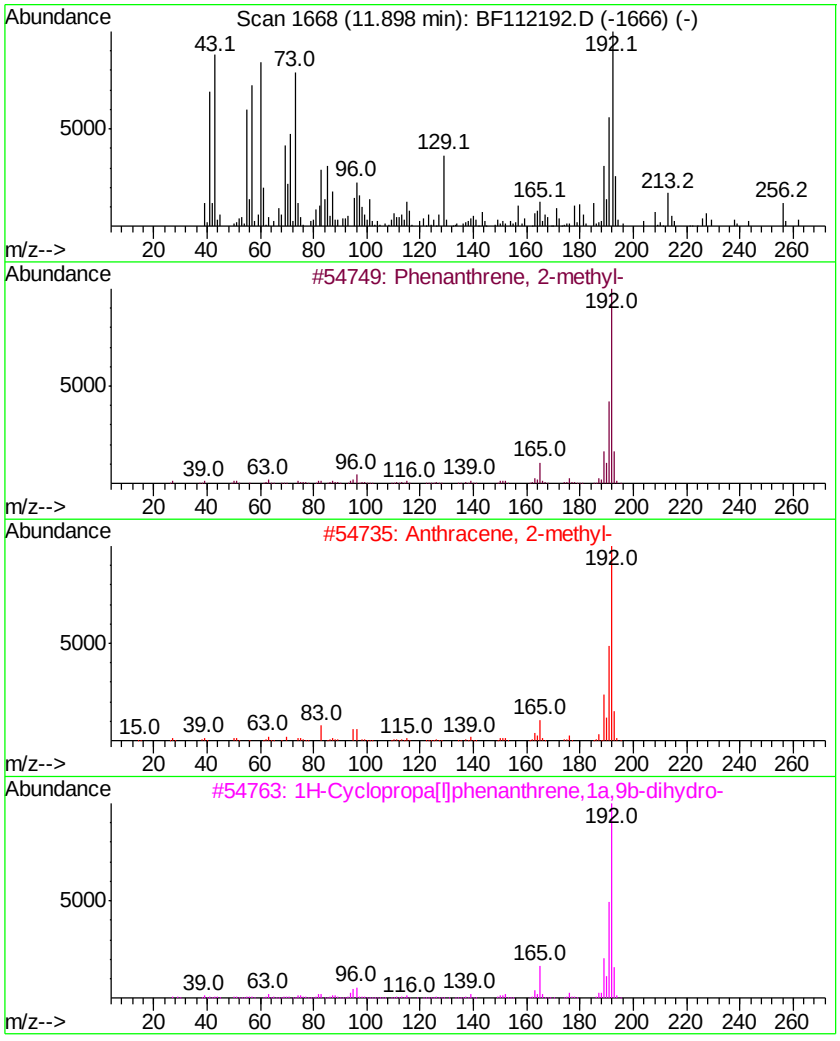
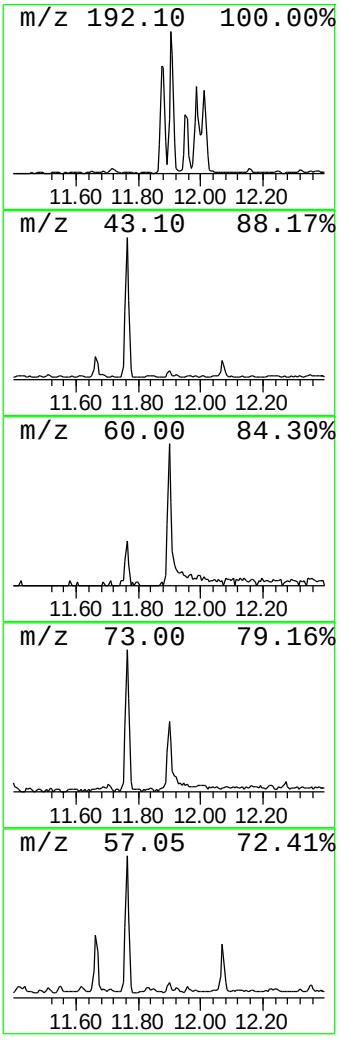
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	4.56 ng	357908	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

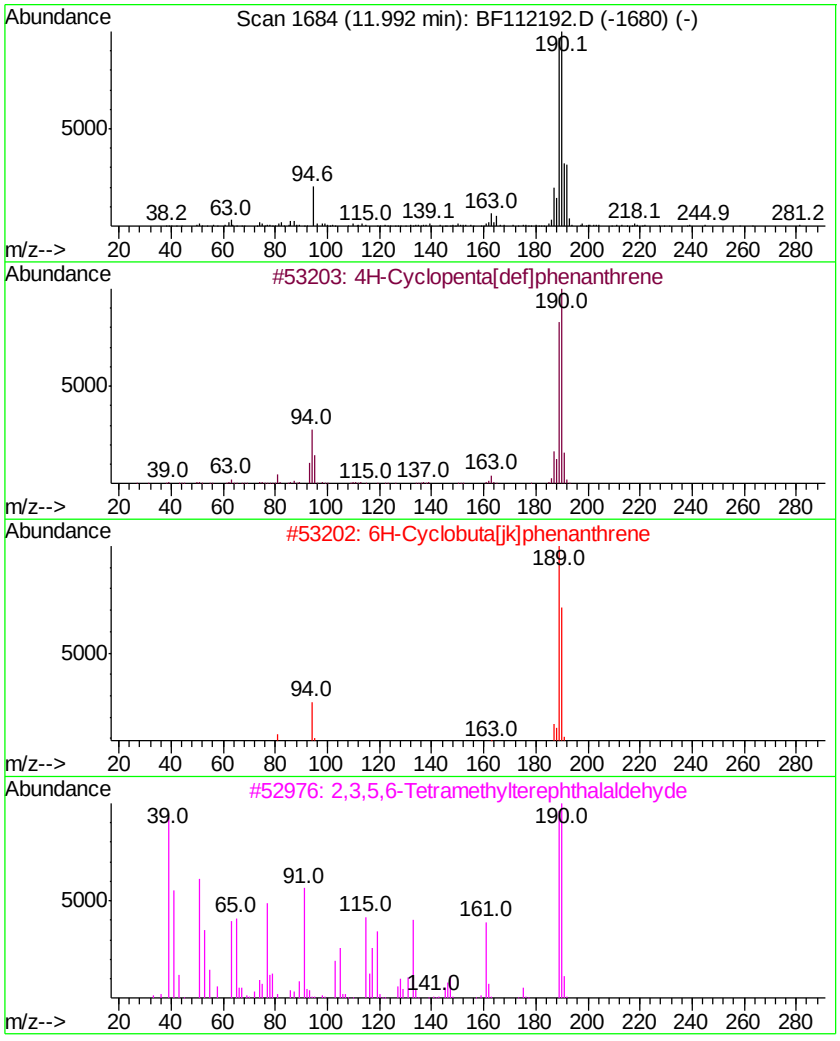
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

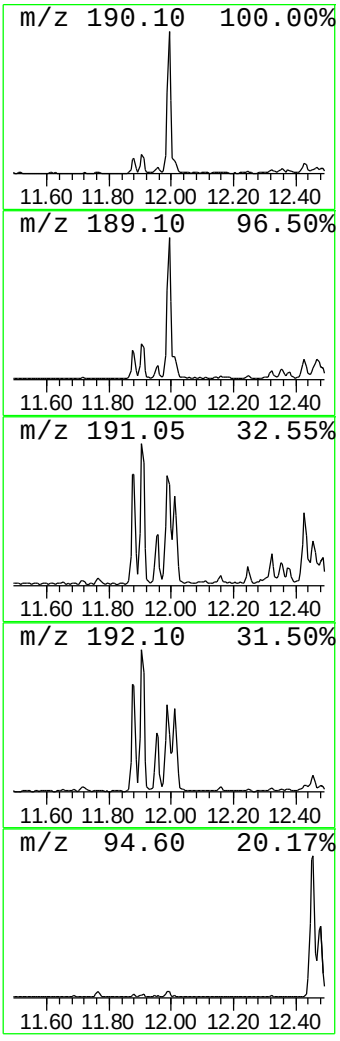
****

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	4.76 ng	373617	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Library Search Compound Report

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Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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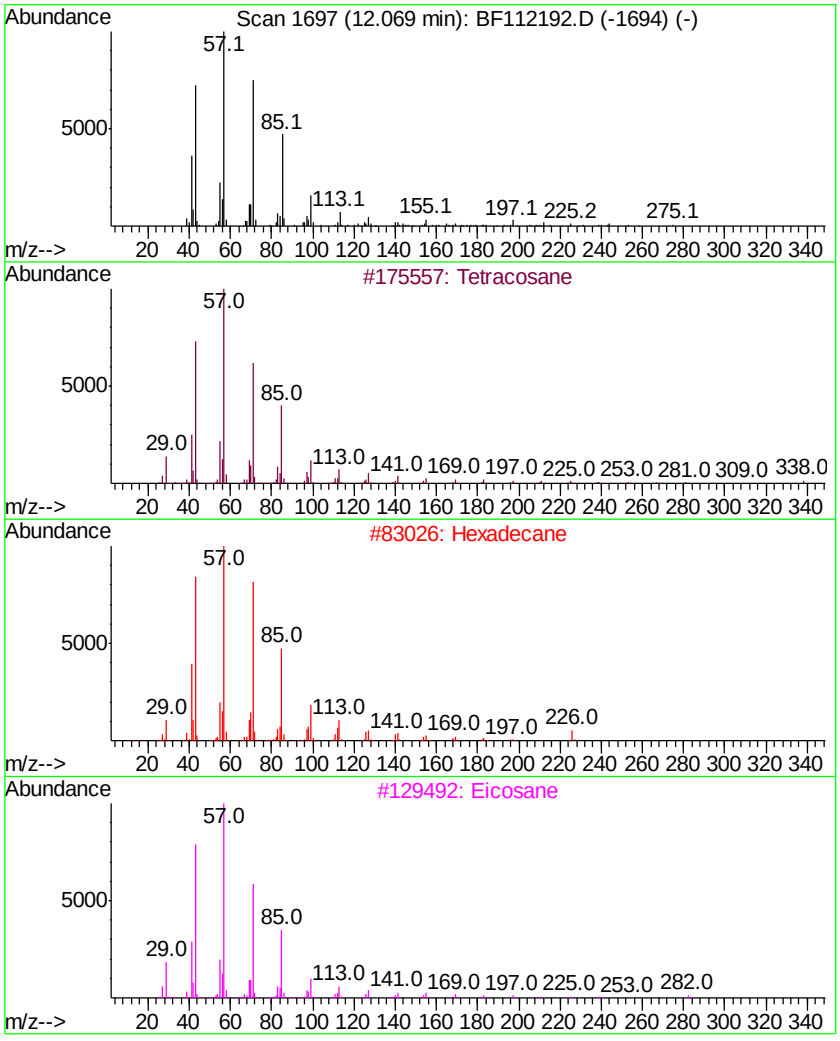
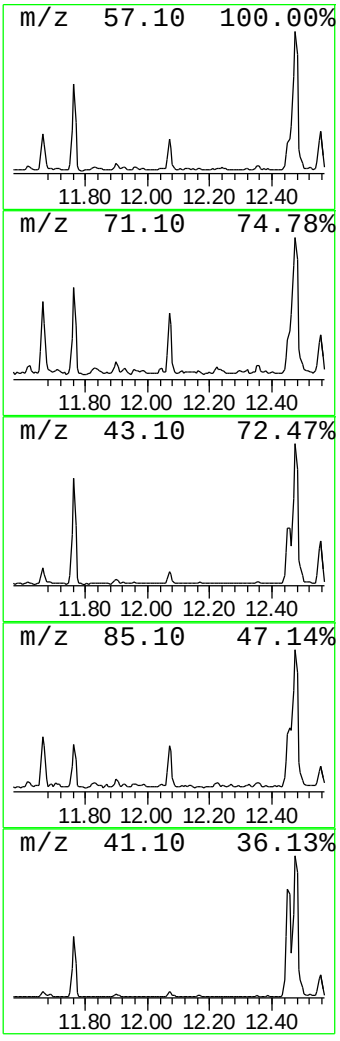
Peak Number 13 Tetracosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	3.19 ng	250052	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Eicosane	282	C20H42	000112-95-8	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Heneicosane	296	C21H44	000629-94-7	90





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Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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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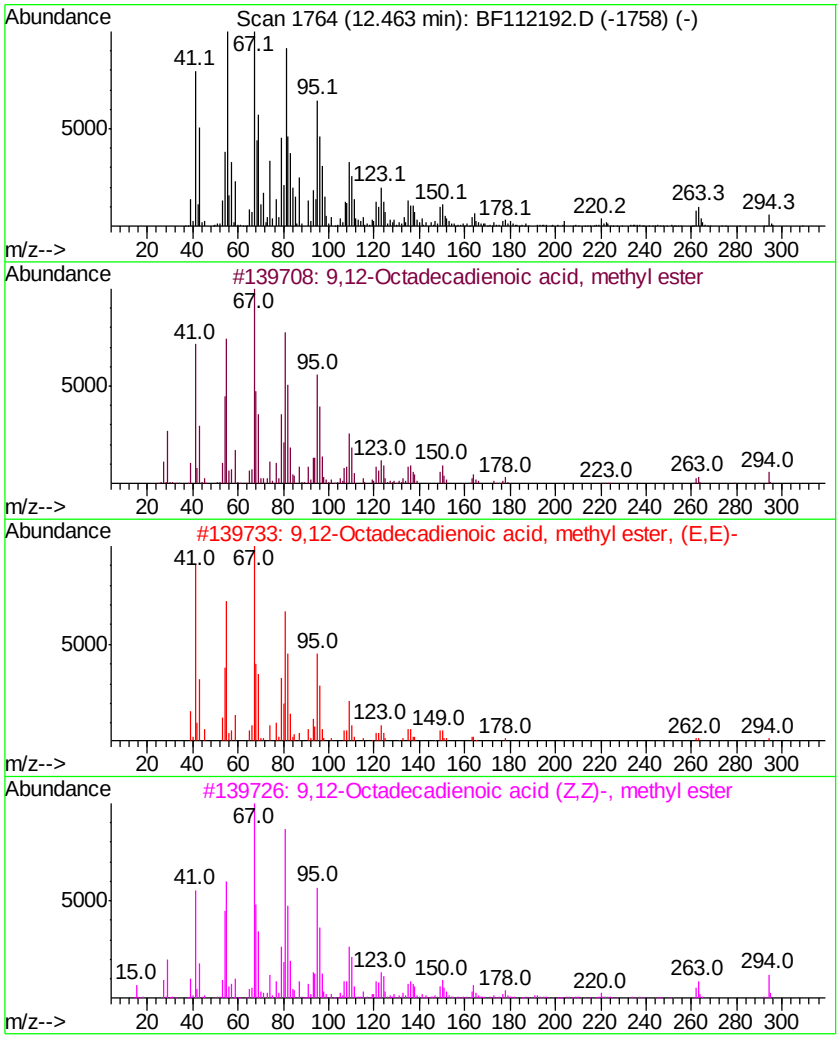
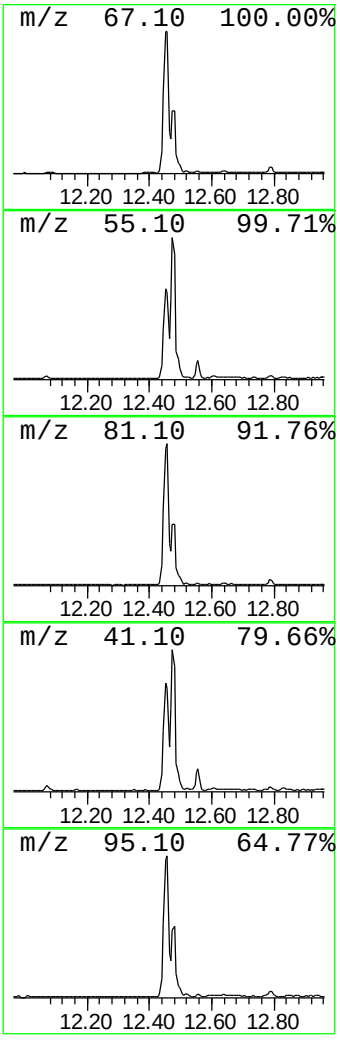
Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	103.24 ng	8096240	Phenanthrene-d10	11.37

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





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Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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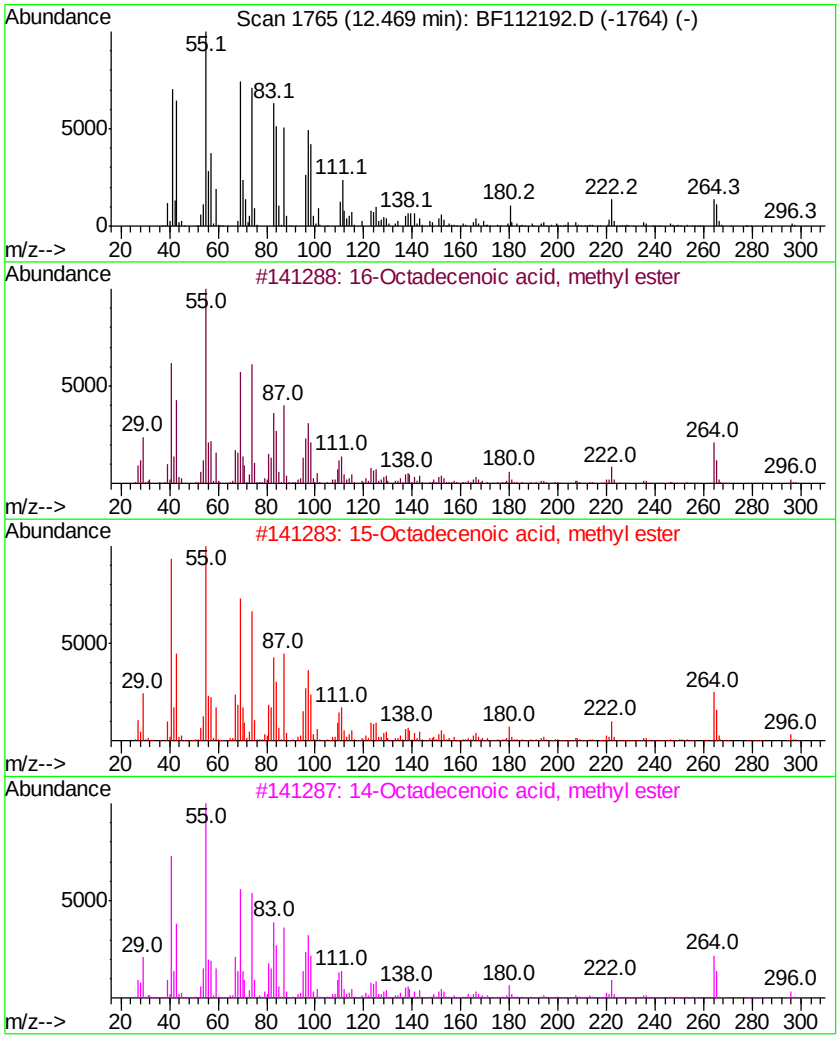
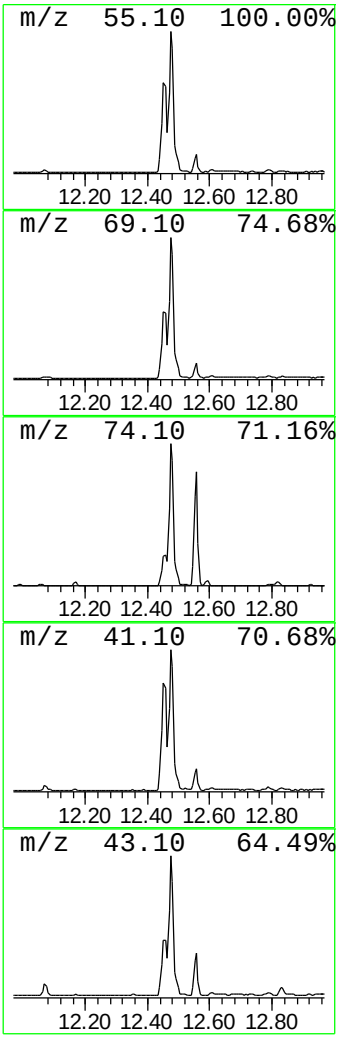
Peak Number 15 16-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	120.42 ng	9443590	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	98
2	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	97
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	95
4	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	94
5	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	94





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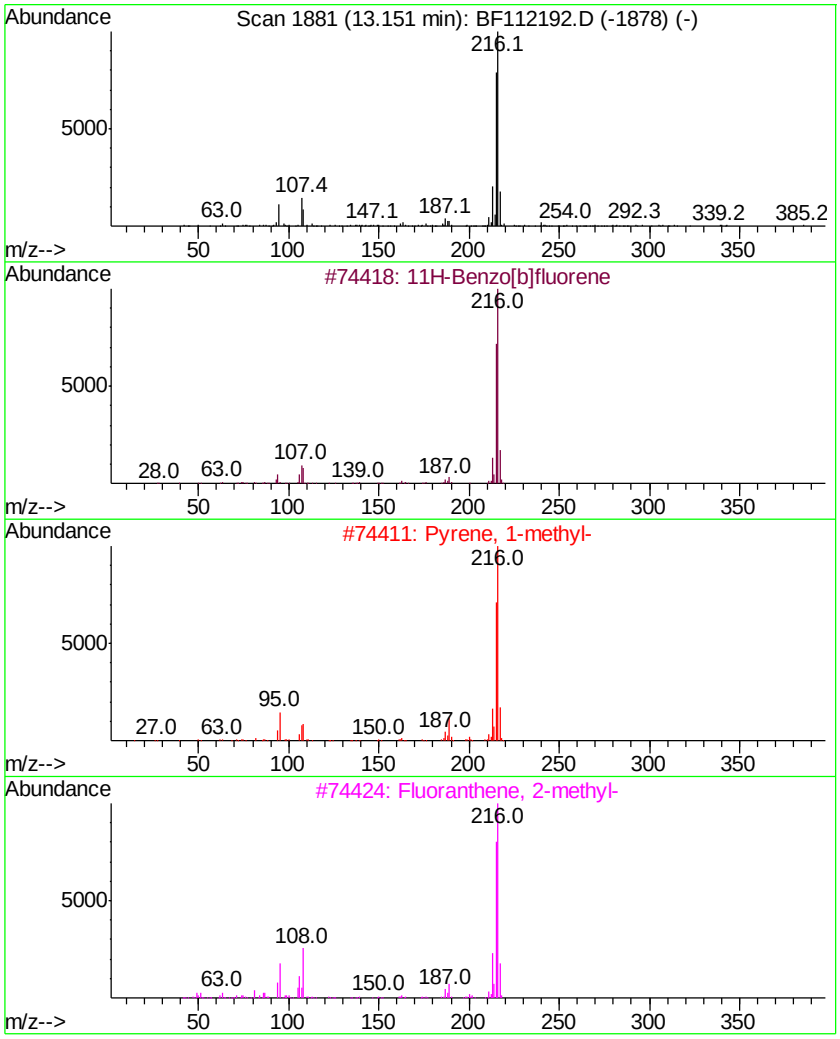
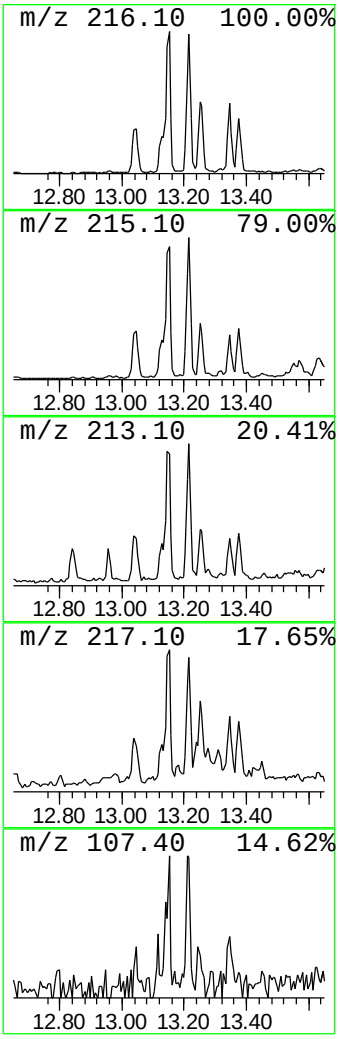
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	3.24 ng	413309	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80





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

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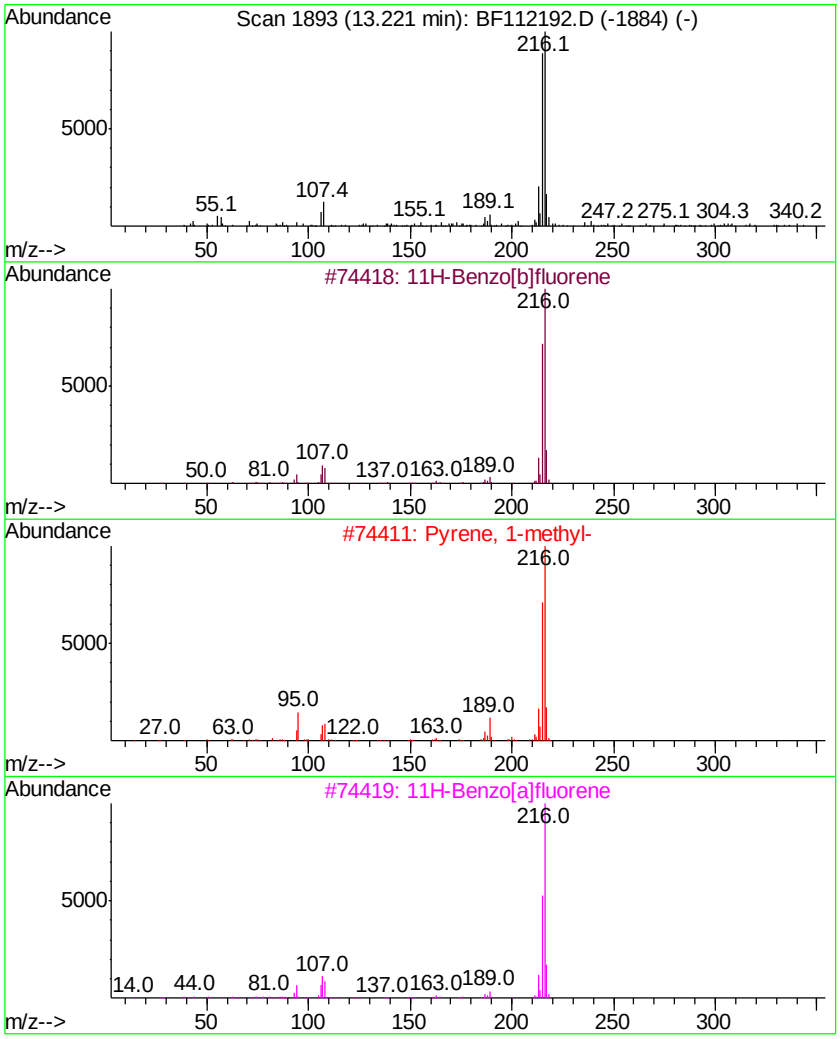
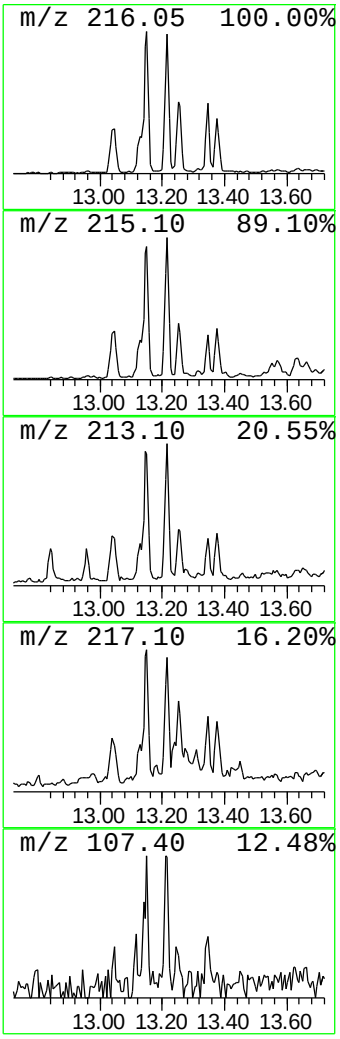
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	5.32 ng	678459	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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TIC Integration Parameters: LSCINT.P

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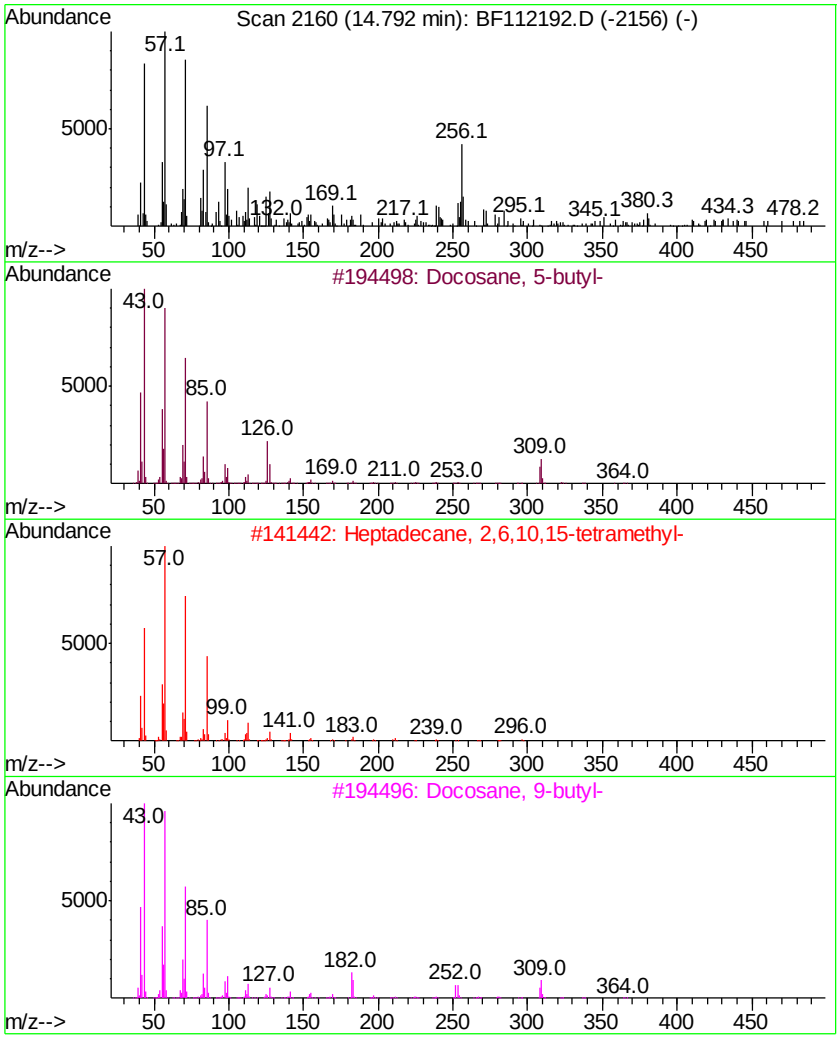
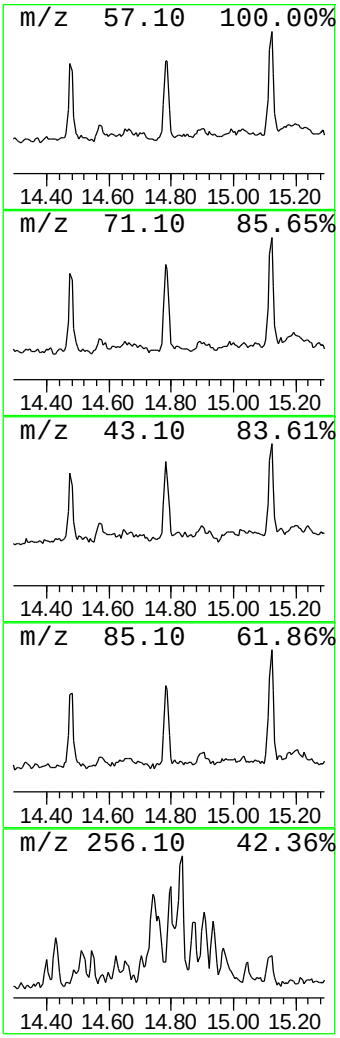
Peak Number 18 Docosane, 5-butyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	3.22 ng	242426	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 5-butyl-	366	C26H54	055282-16-1	91
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
3	Docosane, 9-butyl-	366	C26H54	055282-14-9	90
4	2-methyloctacosane	408	C29H60	1000376-72-8	90
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112192.D
Acq On : 22 Jan 2019 14:41
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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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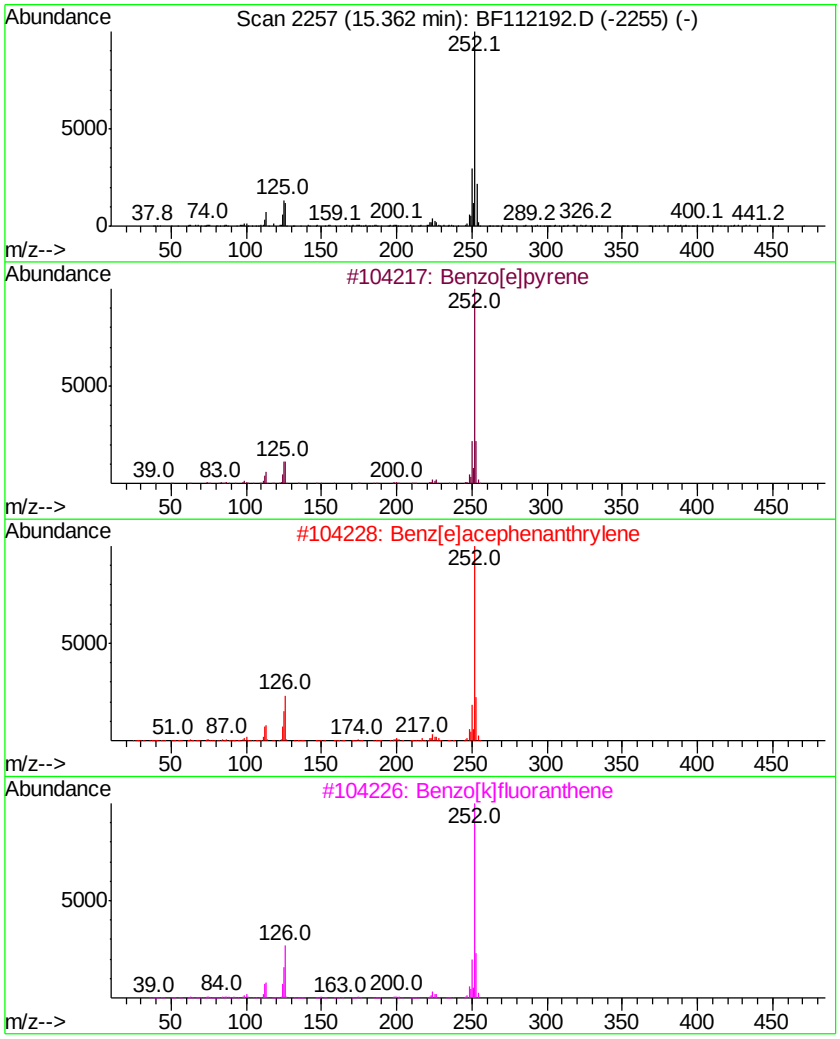
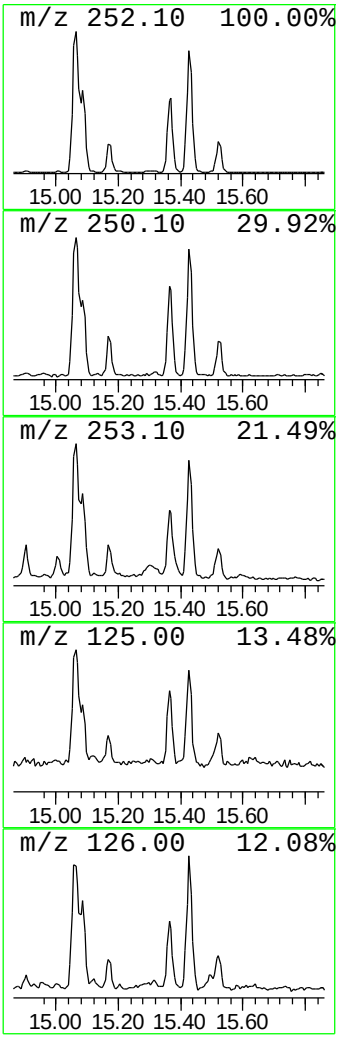
Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	5.13 ng	386468	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
Data File : BF112192.D
Acq On : 22 Jan 2019 14:41
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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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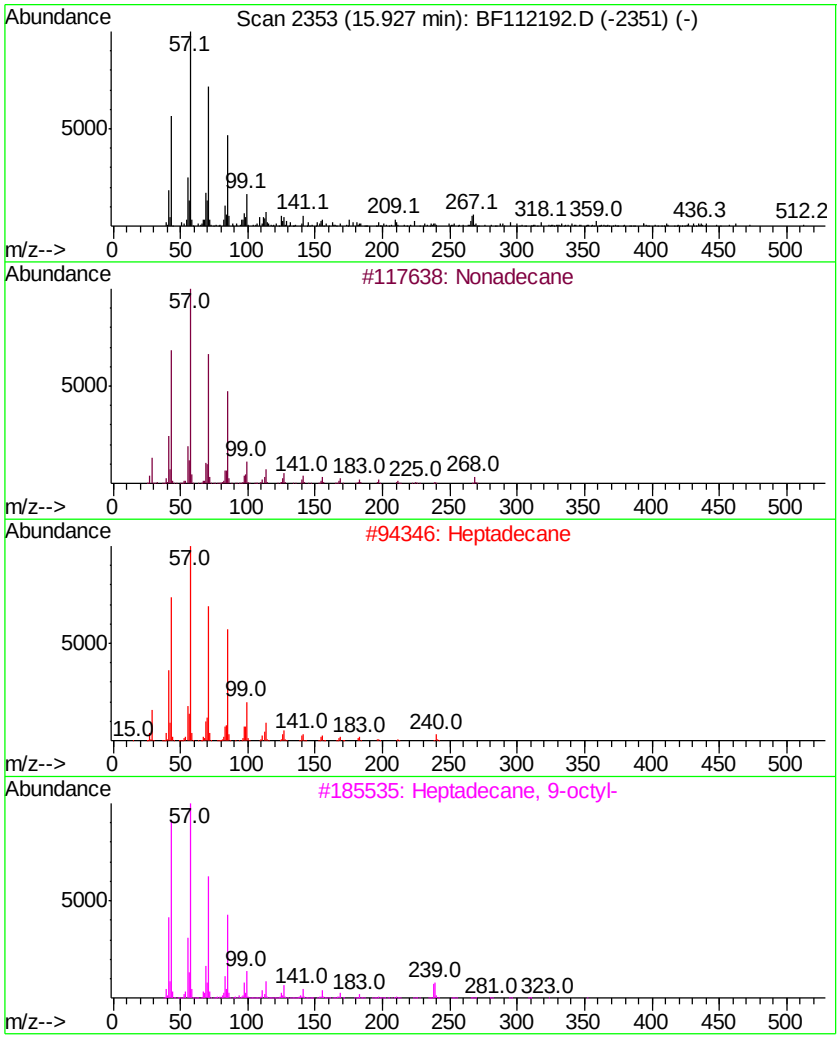
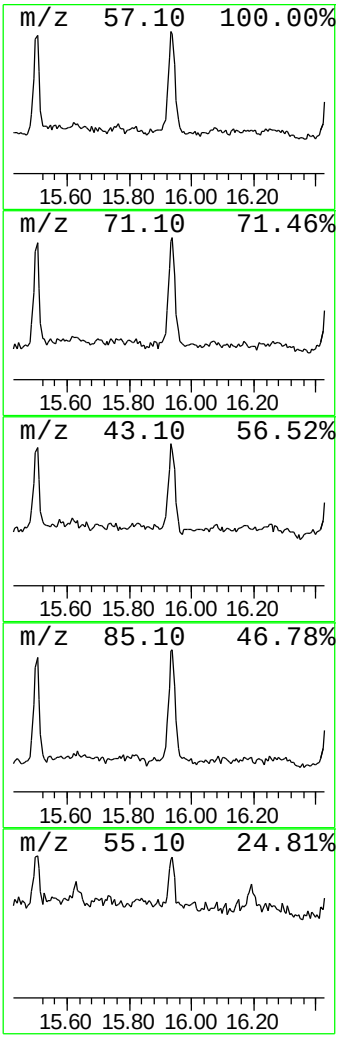
Peak Number 20 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	5.50 ng	414745	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Heptadecane	240	C17H36	000629-78-7	94
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
4	Hexacosane	366	C26H54	000630-01-3	87
5	Heneicosane	296	C21H44	000629-94-7	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012219\
Data File : BF112192.D
Acq On : 22 Jan 2019 14:41
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

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	14.0	ng	1008290	1	6.85	1437720	20.0
Tetradecane	9.29	2.5	ng	223872	3	9.89	1796200	20.0
1-Octadecanesulph...	9.61	2.6	ng	233732	3	9.89	1796200	20.0
Hexadecane	10.32	3.0	ng	271797	3	9.89	1796200	20.0
Heptadecane, 2,6,...	10.79	6.0	ng	470294	4	11.37	1568390	20.0
Hexadecane, 7,9-d...	11.24	2.9	ng	229575	4	11.37	1568390	20.0
2,5-Cyclohexadien...	11.27	3.5	ng	271094	4	11.37	1568390	20.0
Dodecane	11.66	3.1	ng	244566	4	11.37	1568390	20.0
Hexadecanoic acid...	11.76	40.4	ng	3166540	4	11.37	1568390	20.0
Phenanthrene, 2-m...	11.90	4.6	ng	357908	4	11.37	1568390	20.0
4H-Cyclopenta[def...	11.99	4.8	ng	373617	4	11.37	1568390	20.0
Tetracosane	12.07	3.2	ng	250052	4	11.37	1568390	20.0
9,12-Octadecadien...	12.46	103.2	ng	8096240	4	11.37	1568390	20.0
16-Octadecenoic a...	12.47	120.4	ng	9443590	4	11.37	1568390	20.0
Pyrene, 1-methyl-	13.15	3.2	ng	413309	5	14.02	2548610	20.0
11H-Benzo[b]fluorene	13.22	5.3	ng	678459	5	14.02	2548610	20.0
Docosane, 5-butyl-	14.79	3.2	ng	242426	6	15.49	1507650	20.0
Benzo[e]pyrene	15.36	5.1	ng	386468	6	15.49	1507650	20.0
Nonadecane	15.93	5.5	ng	414745	6	15.49	1507650	20.0