LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108088.D
Acq On : 10 Aug 2018 17:10
Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

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-BF080818.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	5.243	490	494	501	rVB	535463	564381	9.37%	0.778%
2	5.631	556	560	564	rBV	2975955	2805599	46.56%	3.865%
3	6.625	724	729	733	rBV	3461552	2997800	49.75%	4.130%
4	6.784	751	756	759	rBV	3292981	2952070	49.00%	4.067%
5	7.019	792	796	799	rVB	1898820	1740245	28.88%	2.398%
6	7.172	818	822	825	rBV	2671529	2109880	35.02%	2.907%
7	7.572	886	890	893	rBV	2130730	1838542	30.51%	2.533%
8	8.301	1010	1014	1016	rBV	2515735	2128721	35.33%	2.933%
9	8.319	1016	1017	1020	rVB	131296	79641	1.32%	0.110%
10	9.013	1131	1135	1138	rBV	131415	105294	1.75%	0.145%
11	9.113	1148	1152	1155	rBV2	141054	127459	2.12%	0.176%
12	9.372	1192	1196	1200	rBV	3289094	2741739	45.50%	3.777%
13	9.442	1206	1208	1211	rBV	112589	95589	1.59%	0.132%
14	9.637	1238	1241	1246	rBV3	92967	136761	2.27%	0.188%
15	9.719	1246	1255	1257	rBV	146221	200357	3.33%	0.276%
16	9.766	1260	1263	1268	rVB	342544	290896	4.83%	0.401%
17	9.837	1271	1275	1277	rBV4	80640	98375	1.63%	0.136%
18	9.925	1286	1290	1293	rBV2	143326	130292	2.16%	0.180%
19	9.978	1295	1299	1302	rVB	158432	142380	2.36%	0.196%
20	10.066	1310	1314	1317	rVV	2409967	2081045	34.54%	2.867%
21	10.095	1317	1319	1322	rVB	315673	238314	3.96%	0.328%
22	10.266	1345	1348	1351	rVB2	239375	222963	3.70%	0.307%
23	10.301	1351	1354	1358	rVB	113588	100692	1.67%	0.139%
24	10.378	1364	1367	1370	rBV	97702	113113	1.88%	0.156%
25	10.407	1370	1372	1378	rVB2	78653	77034	1.28%	0.106%
26	10.478	1378	1384	1387	rBV2	249818	268602	4.46%	0.370%
27	10.613	1404	1407	1413	rVB	442015	398258	6.61%	0.549%
28	10.695	1417	1421	1424	rVB3	126473	170081	2.82%	0.234%
29	10.772	1432	1434	1437	rVB2	82921	74520	1.24%	0.103%
30	10.854	1444	1448	1452	rBV	1866247	1607335	26.68%	2.214%
31	10.954	1462	1465	1474	rVB2	224616	372590	6.18%	0.513%
32	11.160	1495	1500	1503	rBV2	112998	182205	3.02%	0.251%
33	11.248	1512	1515	1517	rVB2	74762	75527	1.25%	0.104%
34	11.278	1517	1520	1524	rBV3	60907	106375	1.77%	0.147%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108088.D
Acq On : 10 Aug 2018 17:10
Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.313	1524	1526	1530	rVV3	70882	92050	1.53%	0.127%
36	11.360	1531	1534	1537	rVV2	116973	116028	1.93%	0.160%
37	11.401	1538	1541	1544	rVV	235005	220741	3.66%	0.304%
38	11.431	1544	1546	1548	rVV2	107765	111740	1.85%	0.154%
39	11.454	1548	1550	1554	rVB	187002	177436	2.94%	0.244%
40	11.560	1564	1568	1570	rBV	2104566	1886659	31.31%	2.599%
41	11.583	1570	1572	1576	rVV	2423658	2144644	35.59%	2.955%
42	11.636	1578	1581	1584	rVV	766990	615216	10.21%	0.848%
43	11.672	1584	1587	1592	rVB3	77462	100869	1.67%	0.139%
44	11.719	1592	1595	1599	rBV5	49190	72625	1.21%	0.100%
45	11.789	1603	1607	1612	rBV	195901	209093	3.47%	0.288%
46	11.831	1612	1614	1616	rBV	155918	110373	1.83%	0.152%
47	11.895	1622	1625	1628	rVB2	114322	116349	1.93%	0.160%
48	11.936	1628	1632	1635	rVB	1613097	1321616	21.93%	1.821%
49	11.978	1636	1639	1643	rBV	67088	81769	1.36%	0.113%
50	12.066	1650	1654	1656	rBV	480178	435298	7.22%	0.600%
51	12.089	1656	1658	1663	rVB	494583	457212	7.59%	0.630%
52	12.142	1663	1667	1670	rBV	186400	189206	3.14%	0.261%
53	12.178	1670	1673	1676	rVV2	594195	729008	12.10%	1.004%
54	12.201	1676	1677	1680	rVB	276900	137858	2.29%	0.190%
55	12.242	1681	1684	1686	rBV	160192	130364	2.16%	0.180%
56	12.360	1701	1704	1706	rBV	235027	187798	3.12%	0.259%
57	12.383	1706	1708	1715	rVB2	149849	177708	2.95%	0.245%
58	12.566	1737	1739	1741	rVB2	117968	87731	1.46%	0.121%
59	12.630	1744	1750	1751	rBV2	6442098	6025203	100.00%	8.301%
60	12.648	1751	1753	1760	rVV2	5409429	4866404	80.77%	6.704%
61	12.701	1760	1762	1764	rVV	176279	164167	2.72%	0.226%
62	12.730	1764	1767	1772	rVB	1025810	847434	14.06%	1.168%
63	12.783	1772	1776	1779	rBV	3259275	2780398	46.15%	3.831%
64	12.825	1779	1783	1784	rVV2	94859	91144	1.51%	0.126%
65	12.842	1784	1786	1789	rVB	117313	91941	1.53%	0.127%
66	12.936	1800	1802	1804	rBV	126961	90428	1.50%	0.125%
67	12.966	1804	1807	1809	rVB3	73198	85820	1.42%	0.118%
68	13.019	1809	1816	1820	rVV	2808664	3081593	51.15%	4.245%
69	13.060	1820	1823	1827	rVB2	166336	193001	3.20%	0.266%
70	13.148	1832	1838	1841	rBV	2648430	2346745	38.95%	3.233%
71	13.172	1841	1842	1846	rVB	159648	109844	1.82%	0.151%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108088.D
Acq On : 10 Aug 2018 17:10
Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.230	1848	1852	1856	rBV2	220062	379829	6.30%	0.523%
73	13.295	1861	1863	1865	rBV3	89004	97967	1.63%	0.135%
74	13.319	1865	1867	1868	rVV2	175476	165559	2.75%	0.228%
75	13.342	1868	1871	1873	rVB	446946	425364	7.06%	0.586%
76	13.407	1880	1882	1885	rVB	391972	319559	5.30%	0.440%
77	13.448	1885	1889	1893	rBV3	375321	495681	8.23%	0.683%
78	13.542	1902	1905	1907	rBV	233657	184160	3.06%	0.254%
79	13.572	1907	1910	1913	rBV	264570	218146	3.62%	0.301%
80	13.707	1931	1933	1936	rBV3	76168	85849	1.42%	0.118%
81	13.848	1955	1957	1961	rVB	191752	206977	3.44%	0.285%
82	13.895	1961	1965	1967	rBV4	86953	118185	1.96%	0.163%
83	13.966	1972	1977	1980	rBV3	287458	407565	6.76%	0.561%
84	13.995	1980	1982	1984	rVB	207235	153774	2.55%	0.212%
85	14.019	1984	1986	1987	rBV	182659	151335	2.51%	0.208%
86	14.130	2003	2005	2011	rBV2	126784	142213	2.36%	0.196%
87	14.219	2015	2020	2022	rVV2	2471943	3372784	55.98%	4.647%
88	14.242	2022	2024	2030	rVB	1309314	1251216	20.77%	1.724%
89	14.301	2032	2034	2036	rBV	95801	82333	1.37%	0.113%
90	14.324	2036	2038	2041	rBV	255864	207415	3.44%	0.286%
91	14.607	2083	2086	2089	rVB	295493	285314	4.74%	0.393%
92	14.642	2089	2092	2094	rBV	163265	150815	2.50%	0.208%
93	14.736	2106	2108	2110	rBV	149864	115267	1.91%	0.159%
94	14.760	2110	2112	2116	rVB2	183196	154427	2.56%	0.213%
95	15.313	2202	2206	2210	rBV	858157	1457842	24.20%	2.008%
96	15.430	2224	2226	2229	rVB	179917	168446	2.80%	0.232%
97	15.648	2260	2263	2269	rVB	534563	672554	11.16%	0.927%
98	15.718	2270	2275	2281	rBV	715147	973783	16.16%	1.342%
99	15.789	2282	2287	2290	rBV	1208710	1619460	26.88%	2.231%
100	17.407	2558	2562	2571	rVB2	237740	463284	7.69%	0.638%

Sum of corrected areas: 72585291

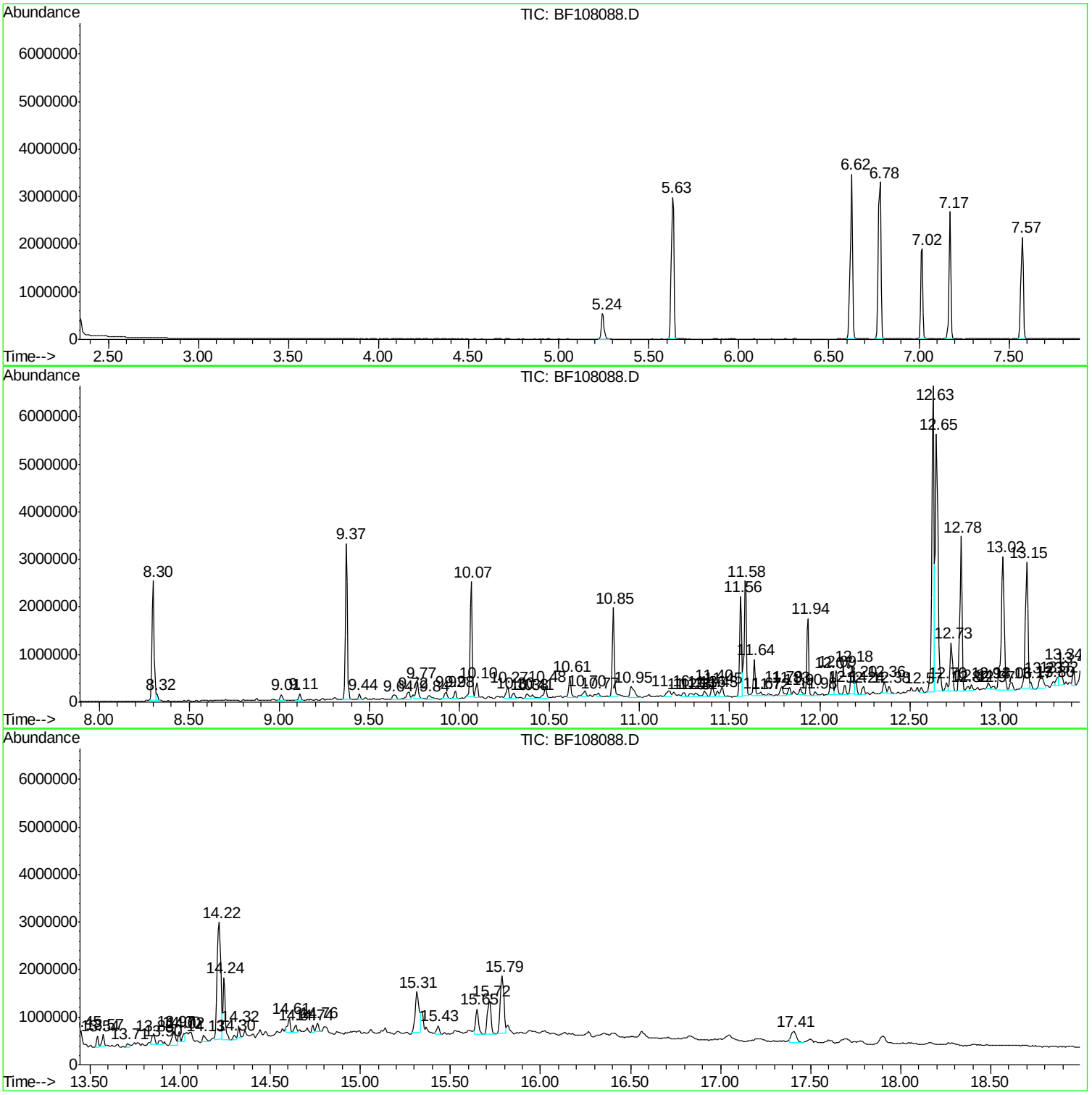
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108088.D
Acq On : 10 Aug 2018 17:10
Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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\BF081018\
Data File : BF108088.D
Acq On : 10 Aug 2018 17:10
Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

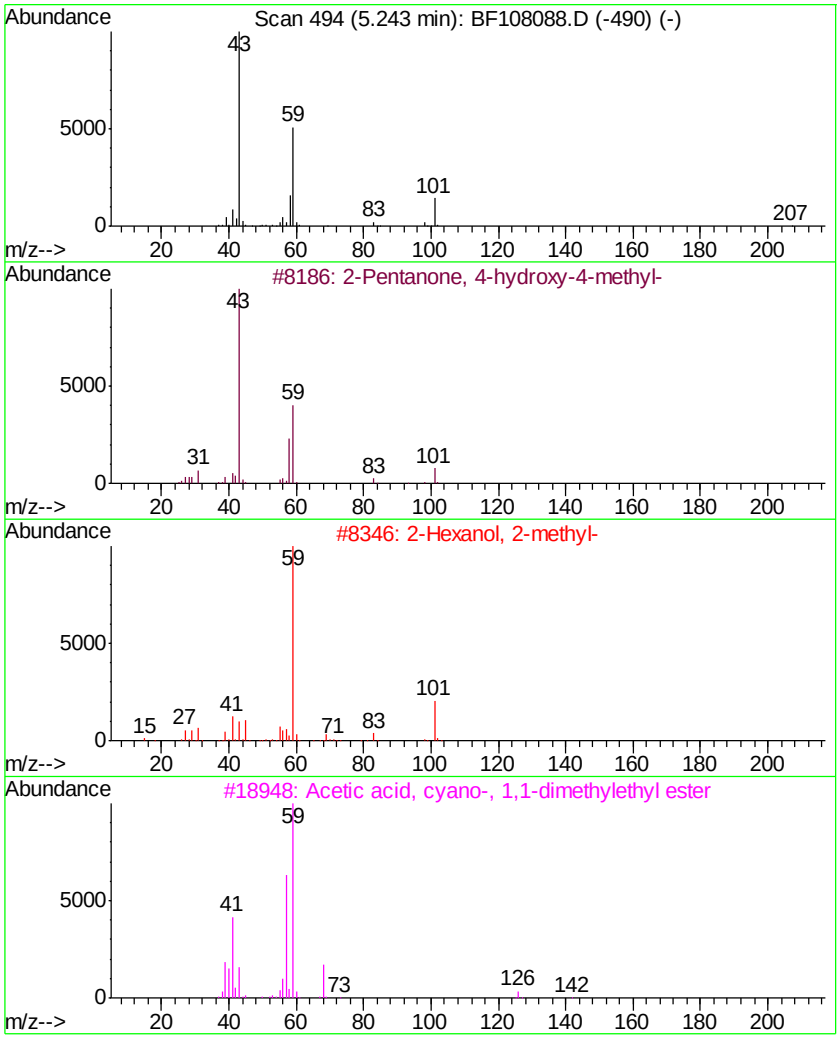
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

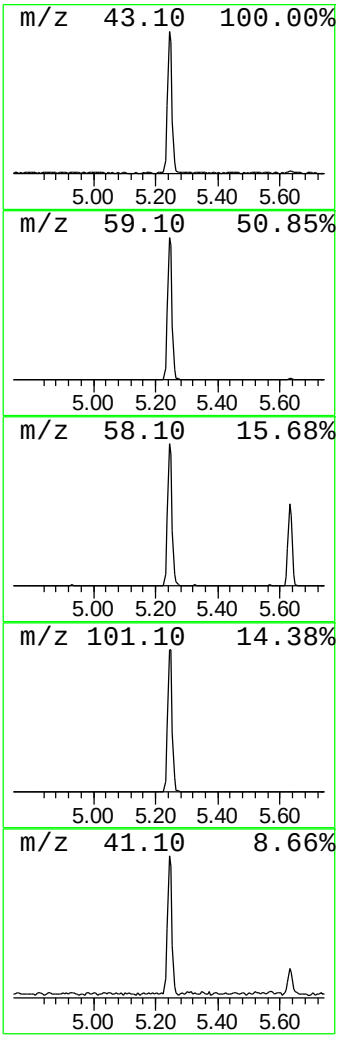
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	6.49 ng	564381	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108088.D
Acq On : 10 Aug 2018 17:10
Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

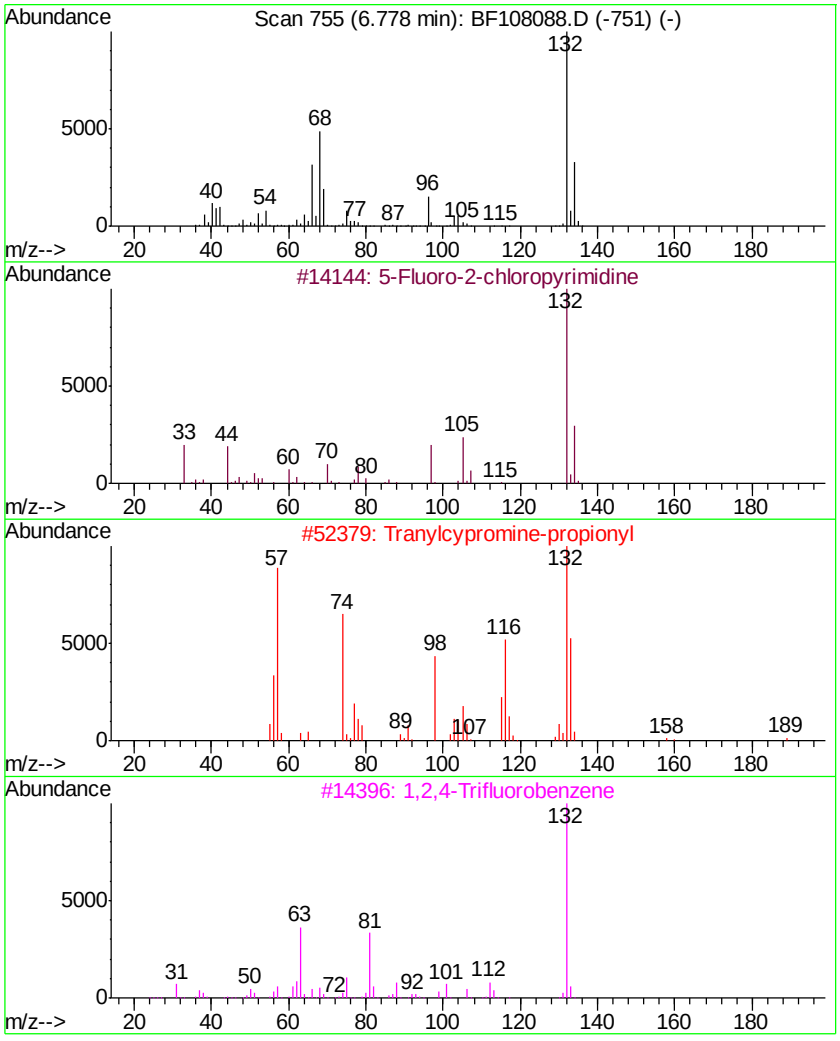
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

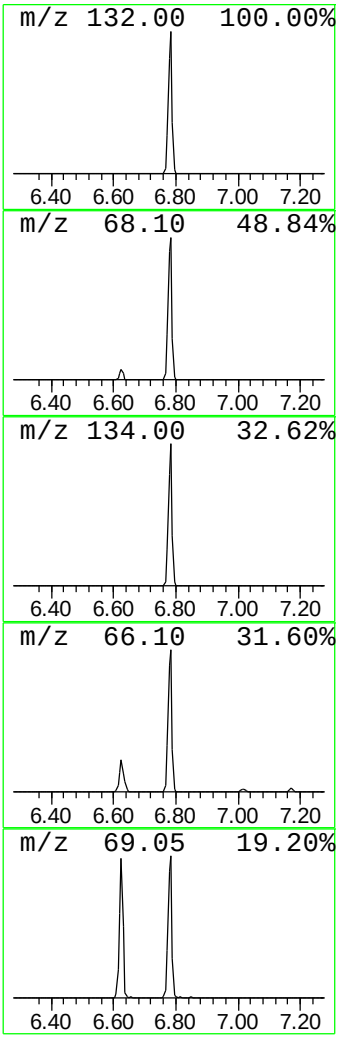
****

Peak Number 2 unknown6.78 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	33.93 ng	2952070	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108088.D
Acq On : 10 Aug 2018 17:10
Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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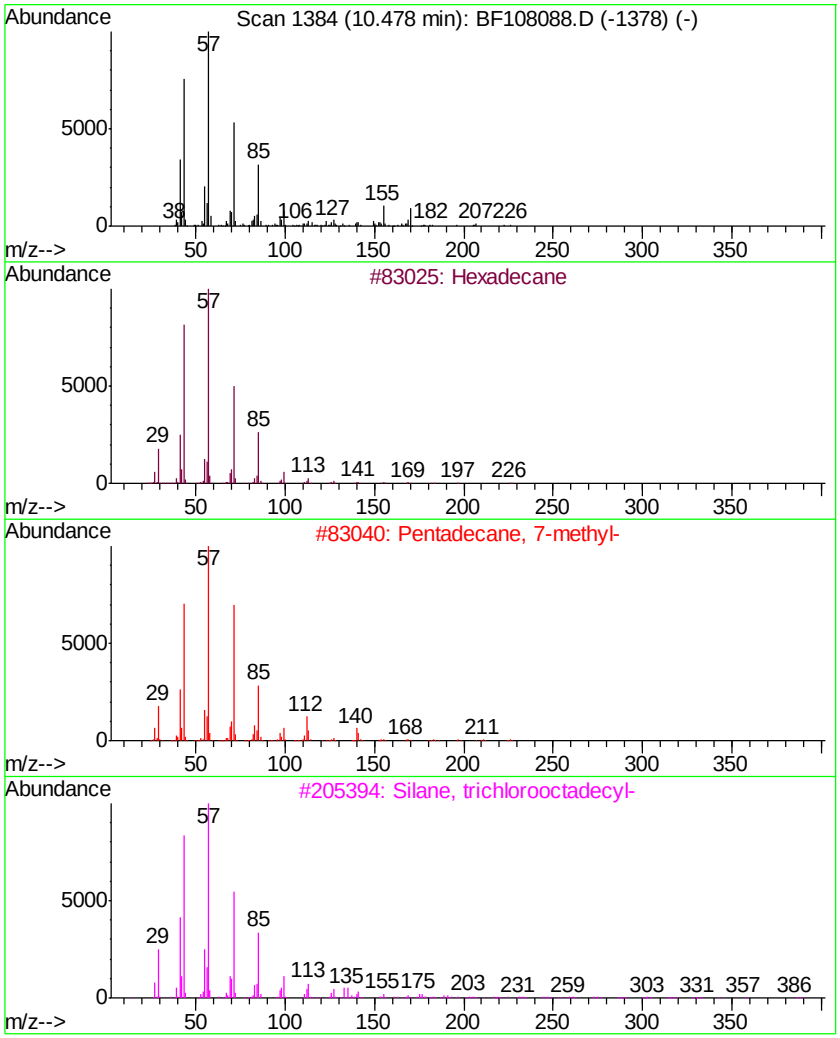
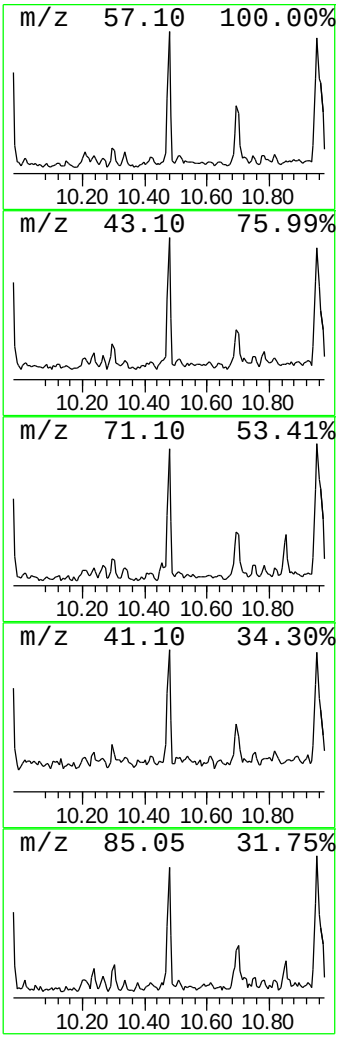
Peak Number 5 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	2.58 ng	268602	Acenaphthene-d10	10.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	96
2	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	81
3	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	80
4	Dodecane	170	C12H26	000112-40-3	74
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108088.D
Acq On : 10 Aug 2018 17:10
Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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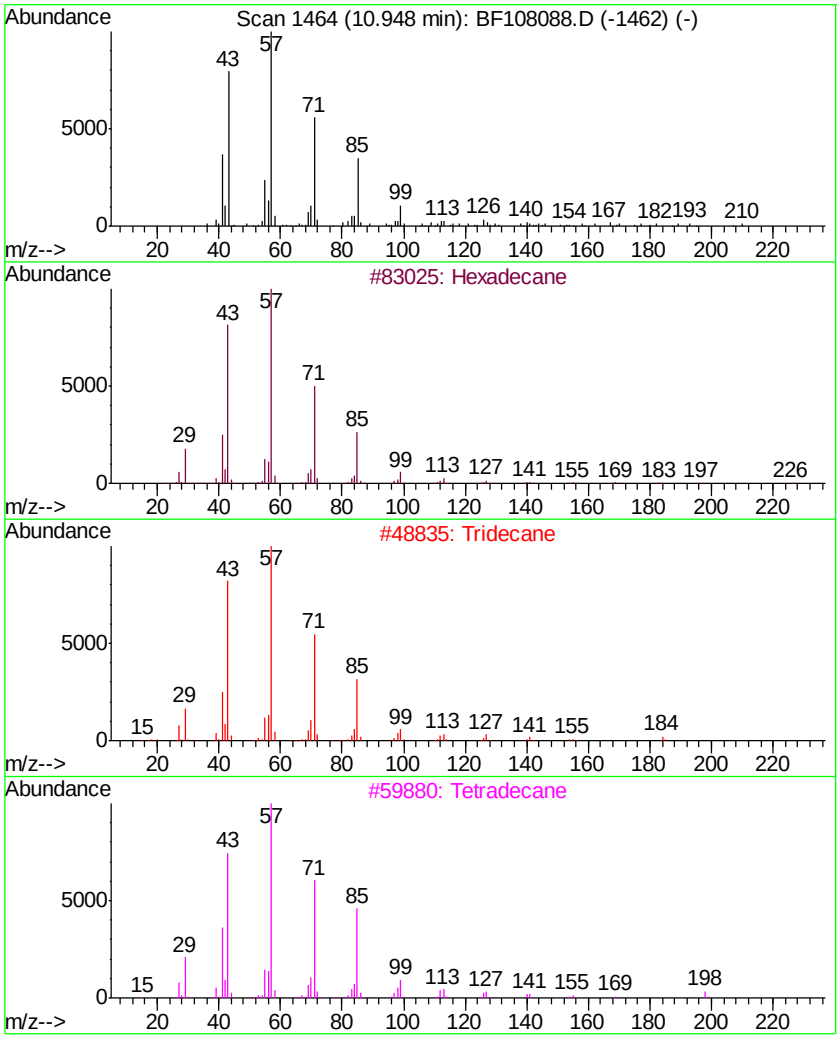
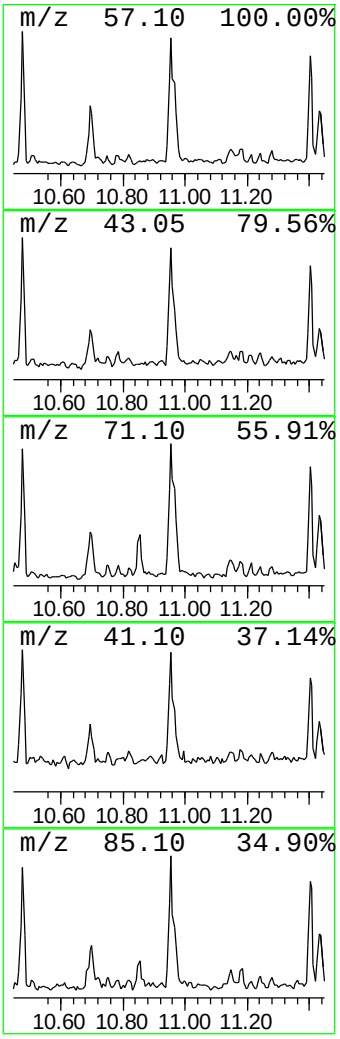
Peak Number 6 Tridecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	3.95 ng	372590	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tridecane	184	C13H28	000629-50-5	90
3	Tetradecane	198	C14H30	000629-59-4	86
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108088.D
Acq On : 10 Aug 2018 17:10
Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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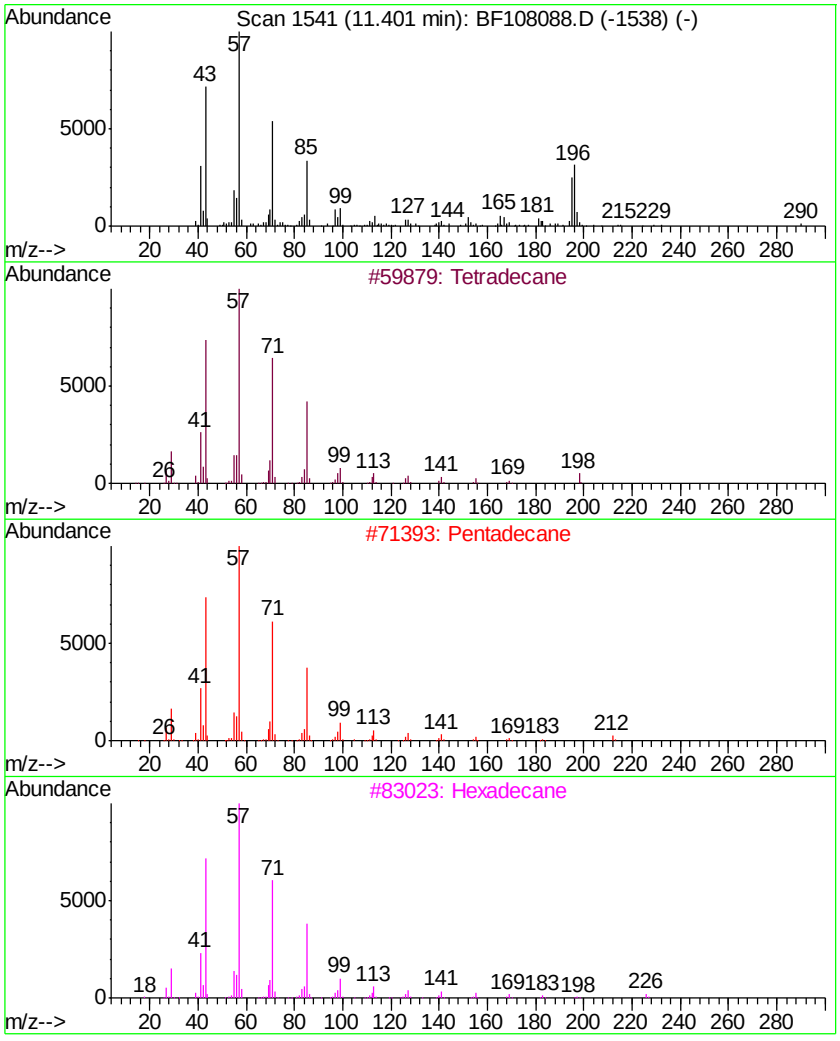
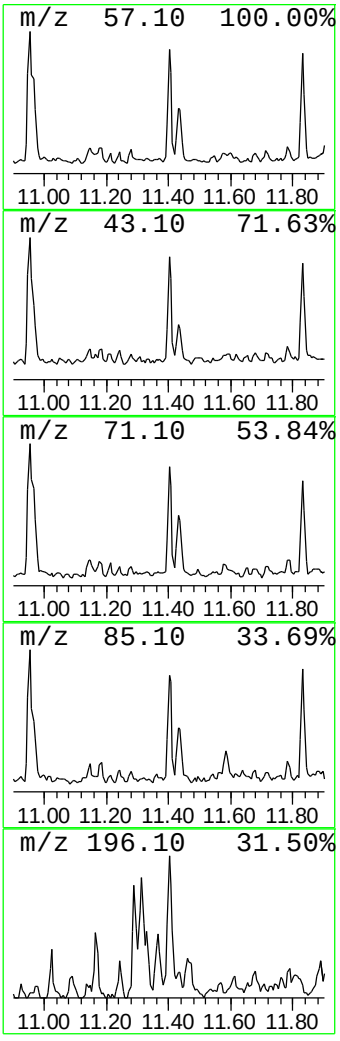
Peak Number 7 Tetradecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	2.34 ng	220741	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	92
2	Pentadecane	212	C15H32	000629-62-9	53
3	Hexadecane	226	C16H34	000544-76-3	49
4	Tridecane	184	C13H28	000629-50-5	49
5	Heptadecane	240	C17H36	000629-78-7	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108088.D
Acq On : 10 Aug 2018 17:10
Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

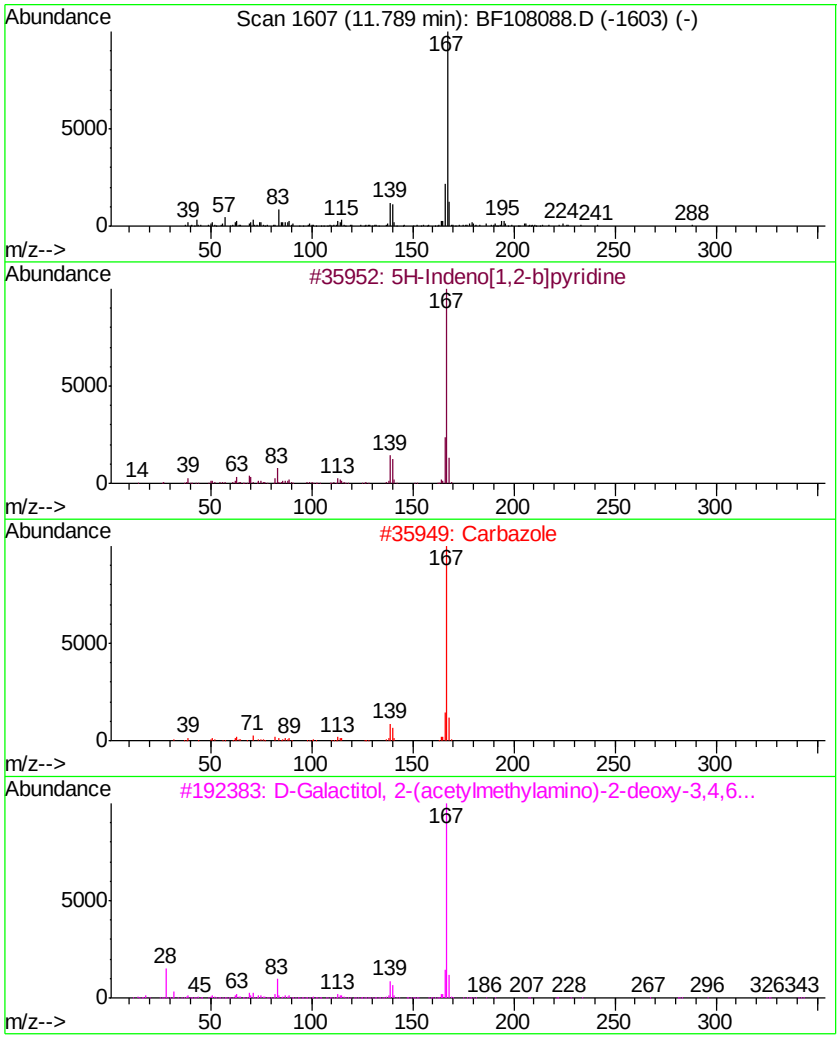
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

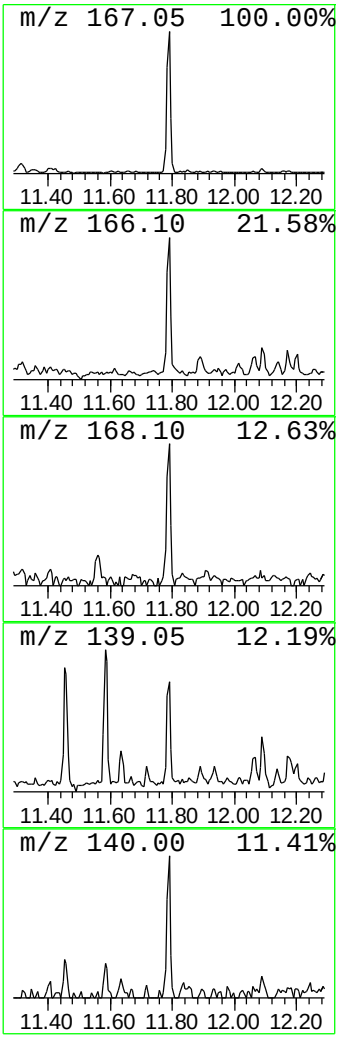
****

Peak Number 8 5H-Indeno[1,2-b]pyridine Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	2.22 ng	209093	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	94
2	Carbazole	167	C12H9N	000086-74-8	90
3	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	87
4	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	87
5	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	86





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Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

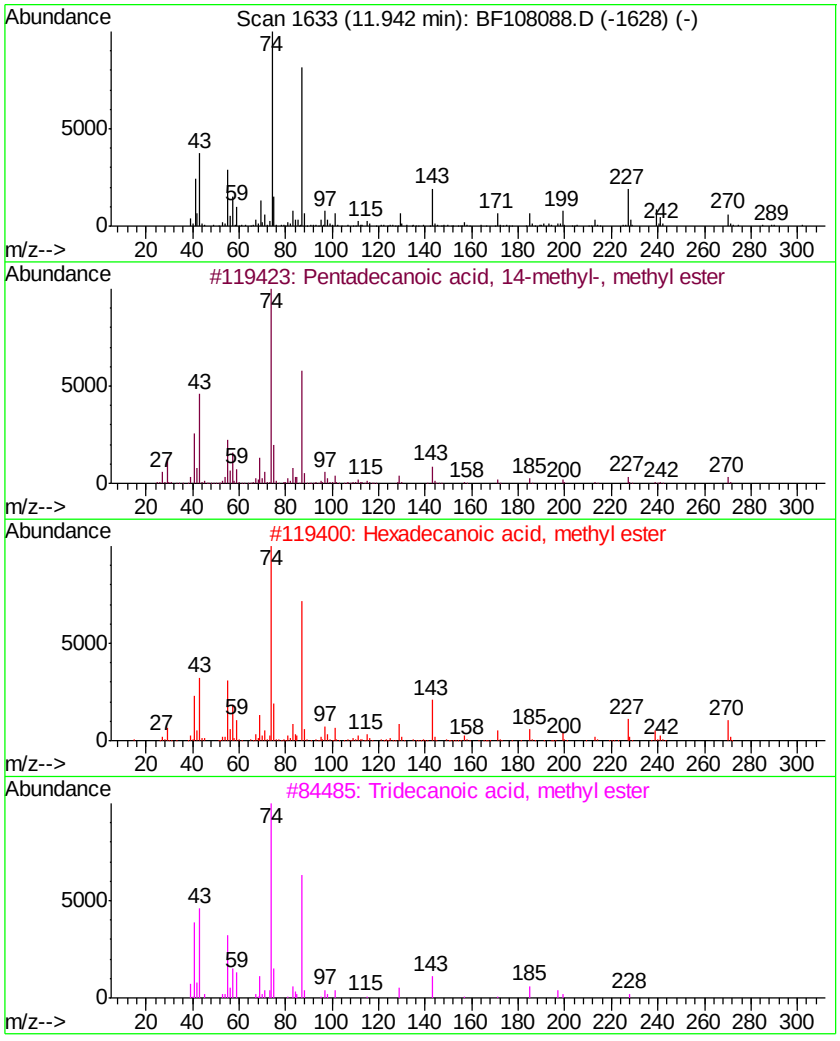
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

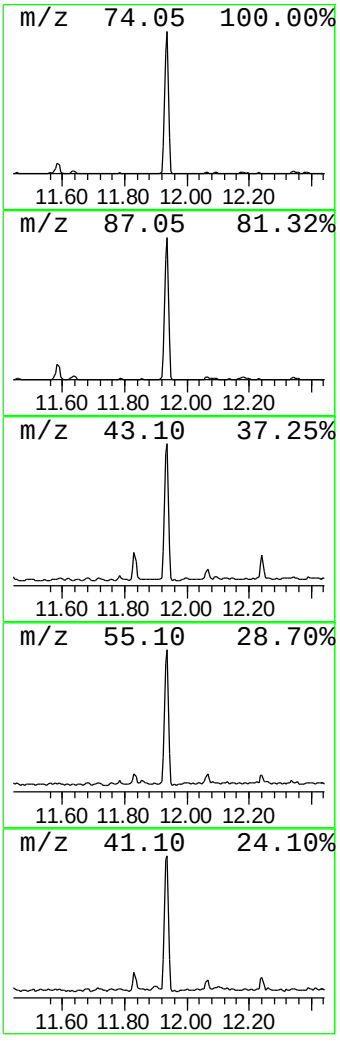
****

Peak Number 9 Pentadecanoic acid, 14-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	14.01 ng	1321620	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
2	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	91
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87
5	Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	80





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Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

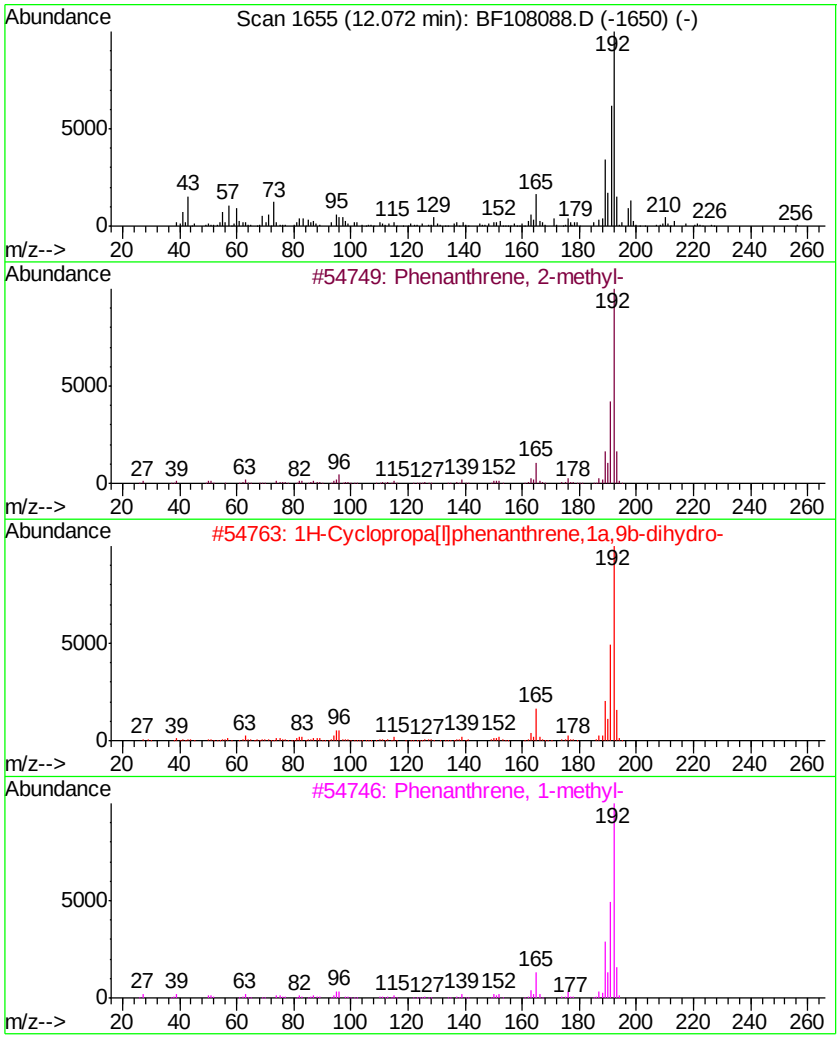
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

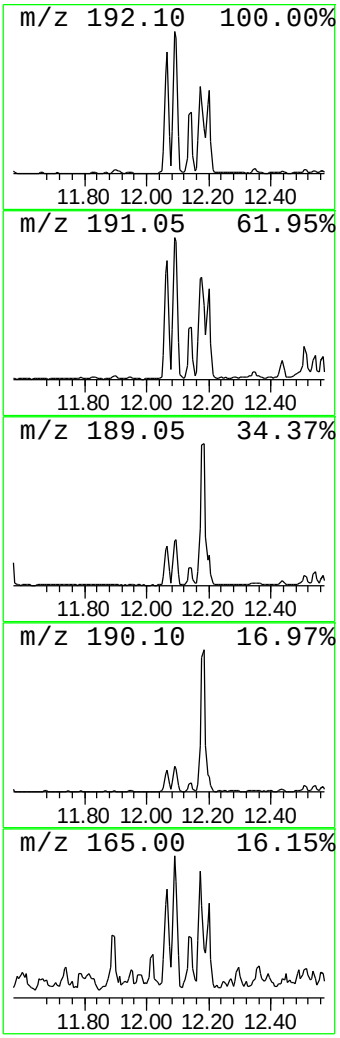
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	4.61 ng	435298	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

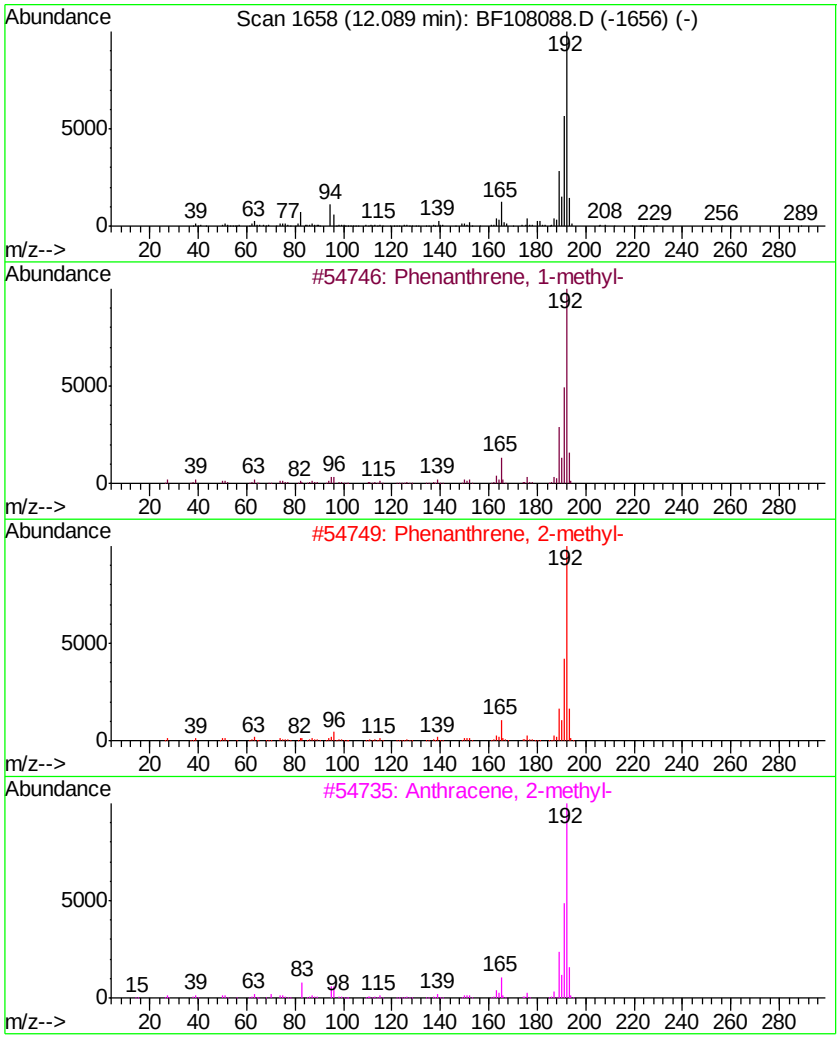
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

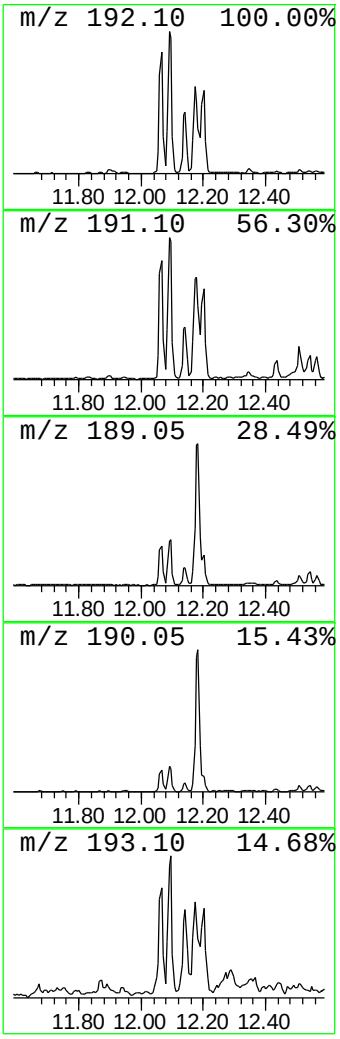
****

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	4.85 ng	457212	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

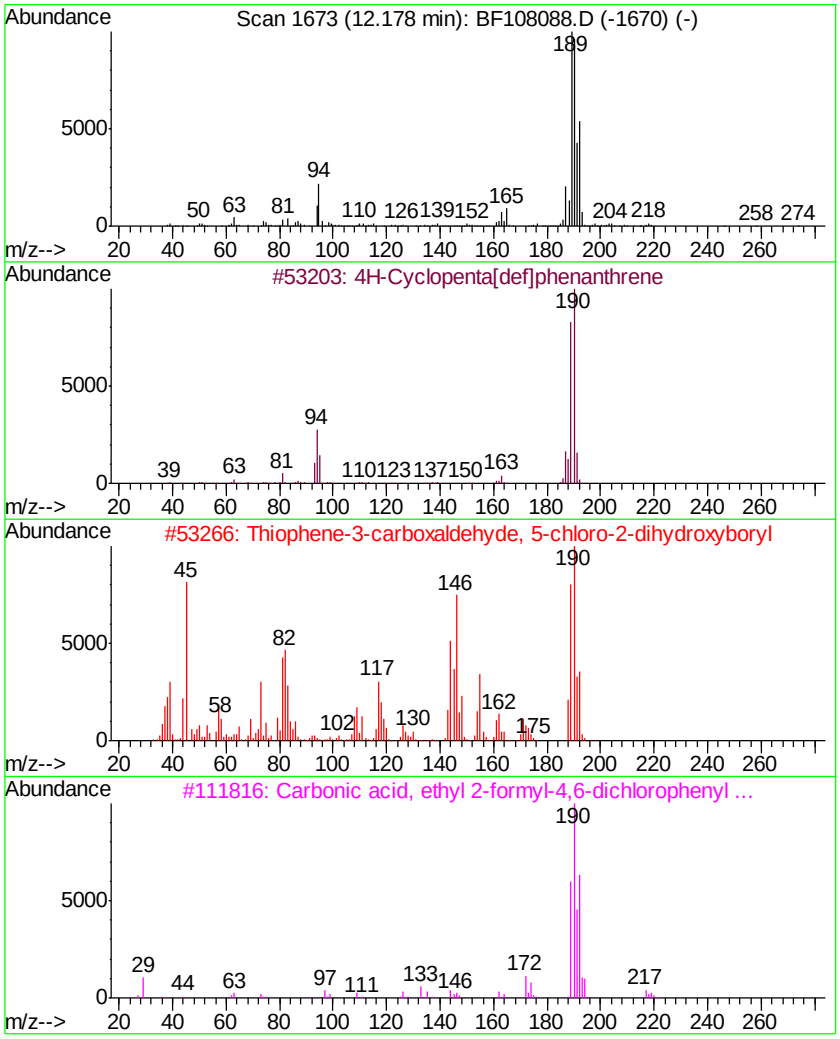
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

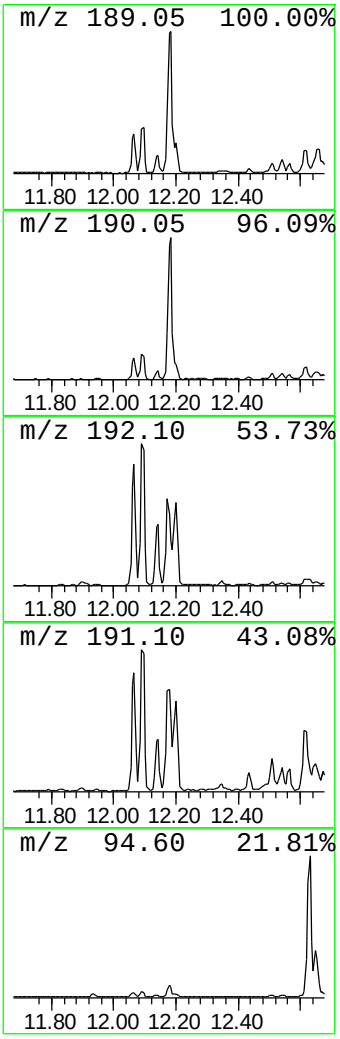
****

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	7.73 ng	729008	Phenanthrene-d10	11.56

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	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





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Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

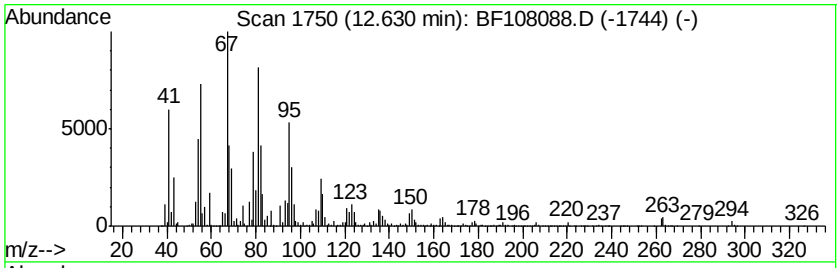
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

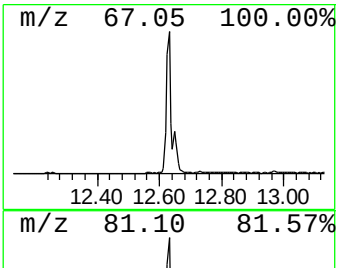
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	63.87 ng	6025200	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
4	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99





Library Search Compound Report

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Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

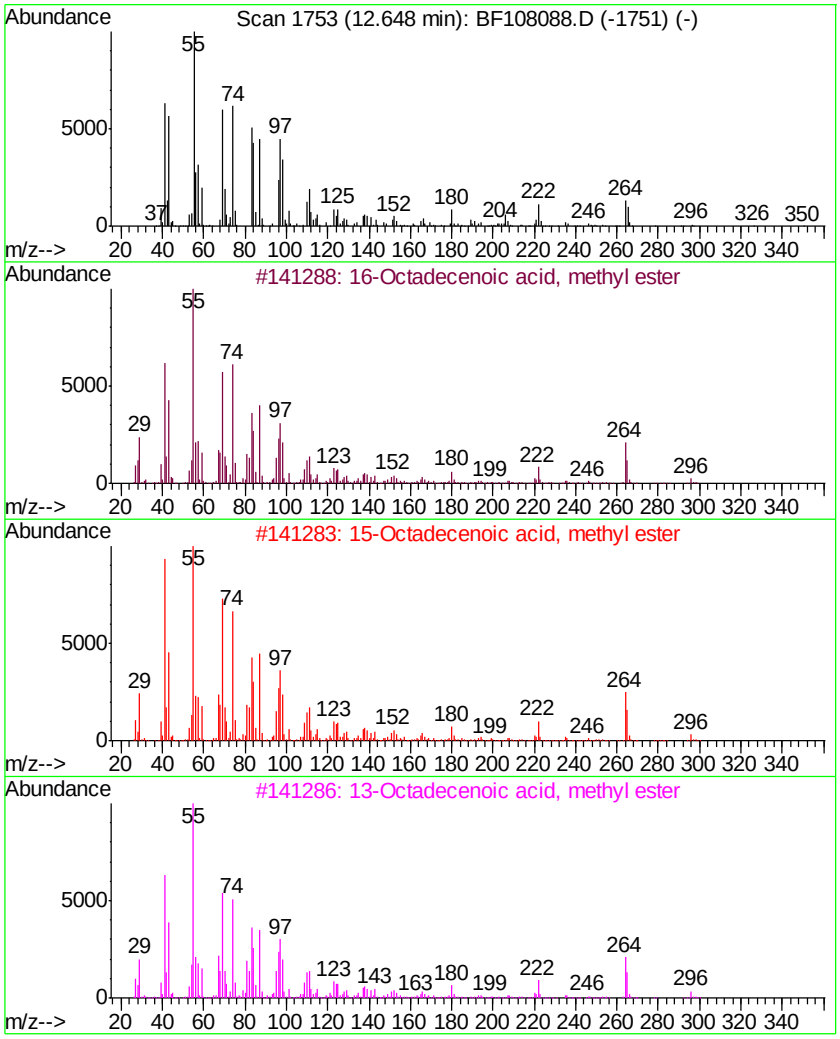
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

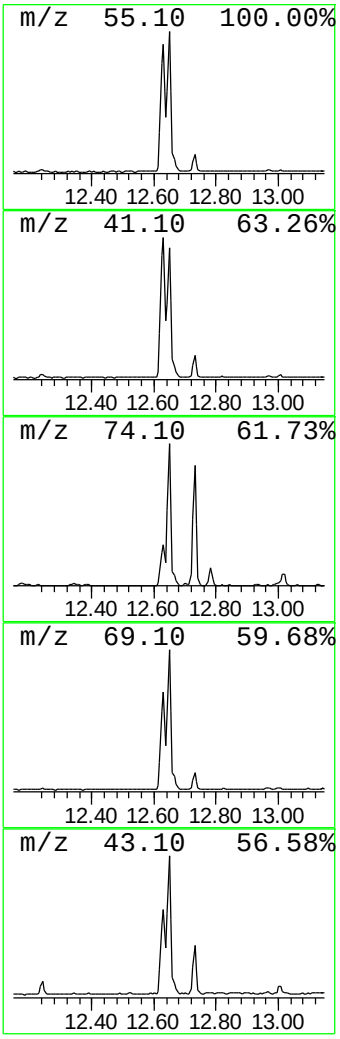
****

Peak Number 14 16-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	51.59 ng	4866400	Phenanthrene-d10	11.56

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	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	93
4	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	93
5	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	87





Library Search Compound Report

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Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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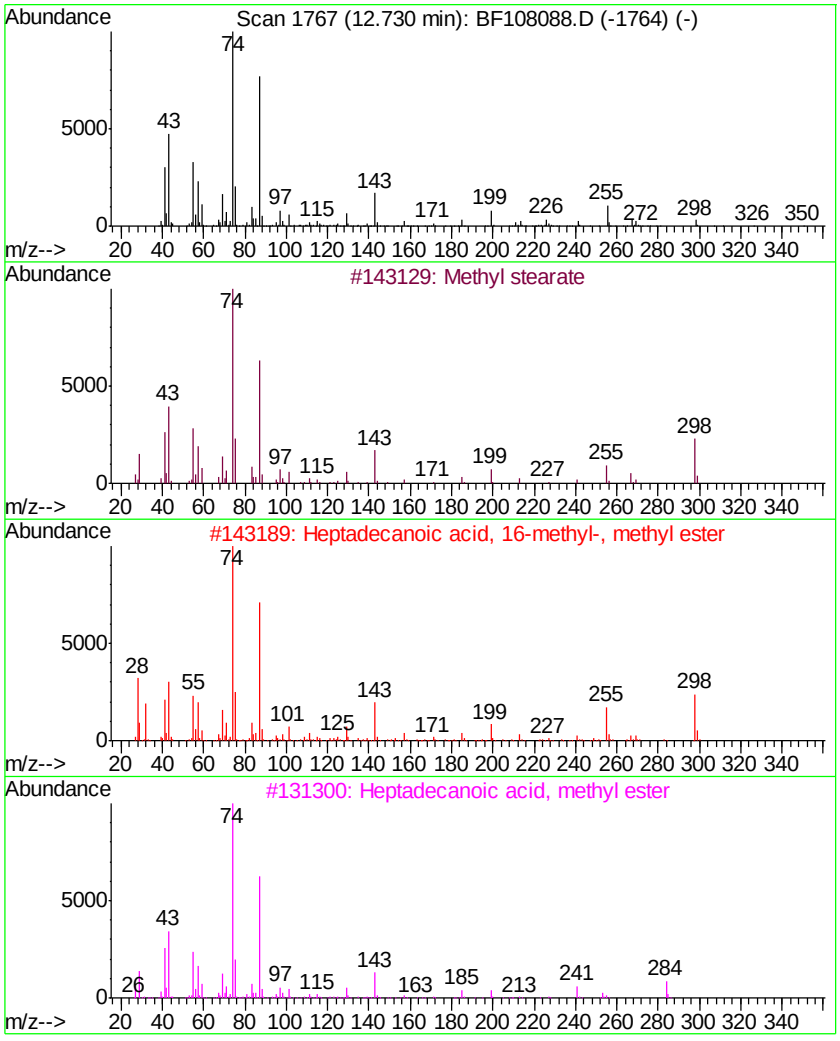
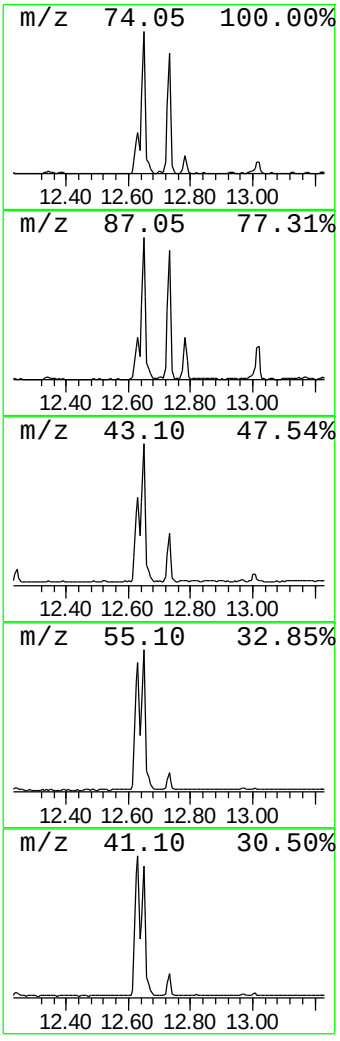
Peak Number 15 Methyl stearate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	8.98 ng	847434	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	95
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	94
3	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	91
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90





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Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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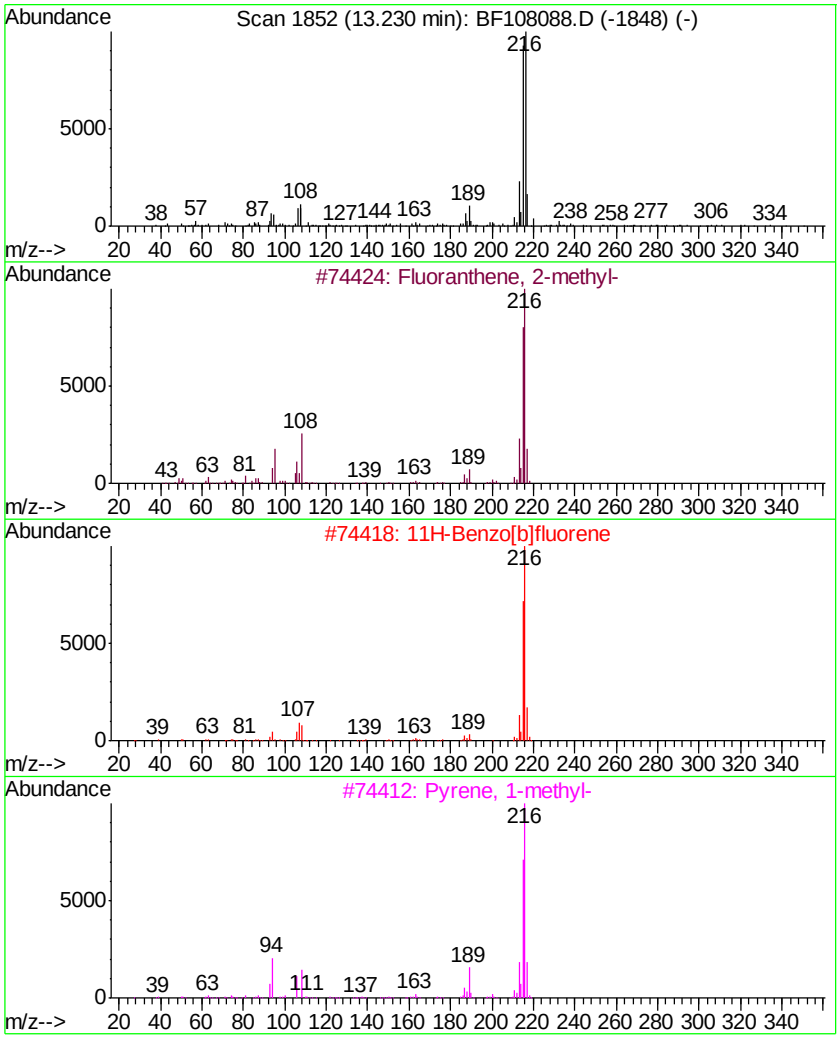
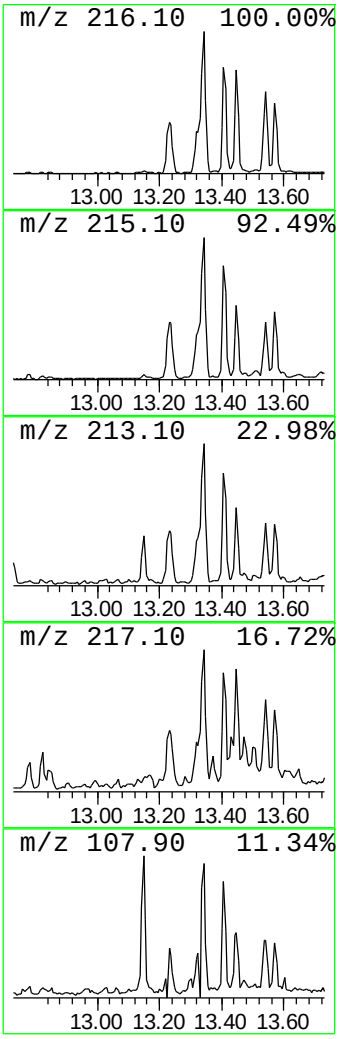
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	2.25 ng	379829	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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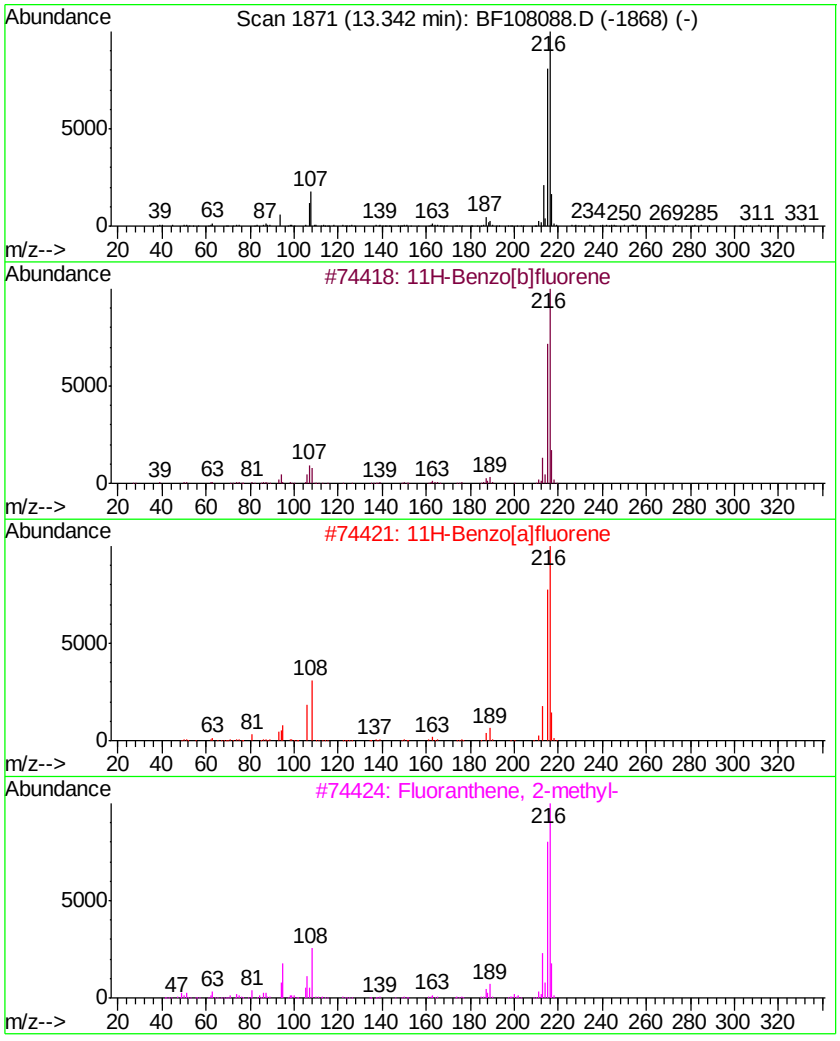
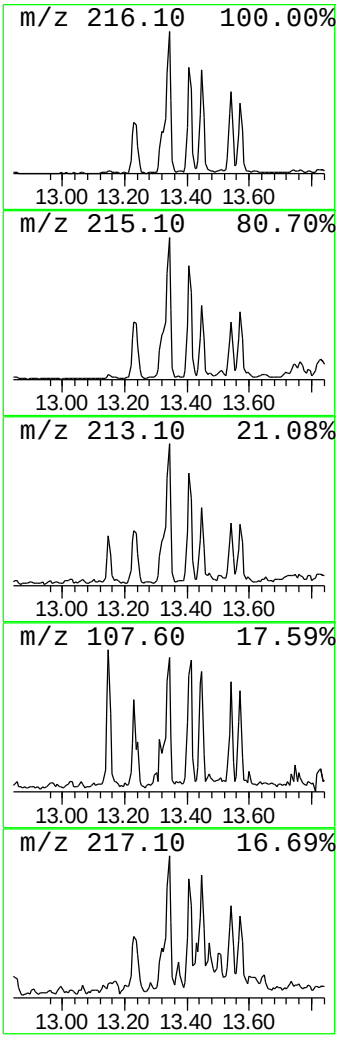
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.52 ng	425364	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58





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Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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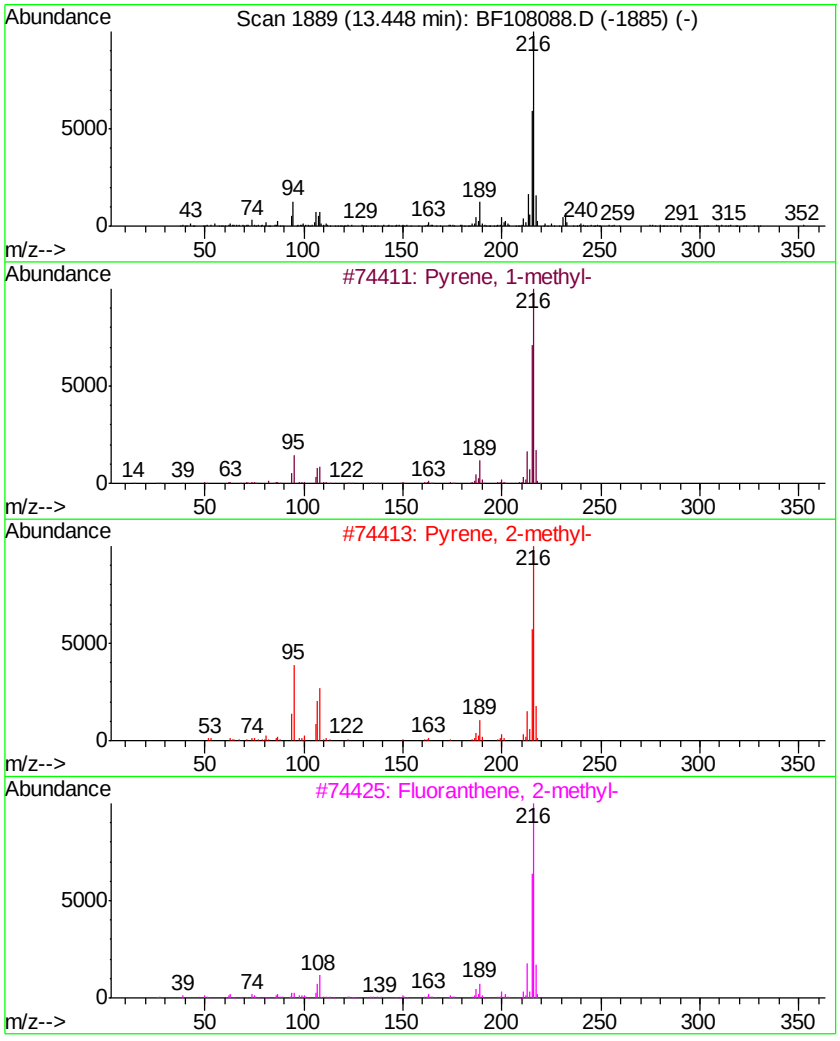
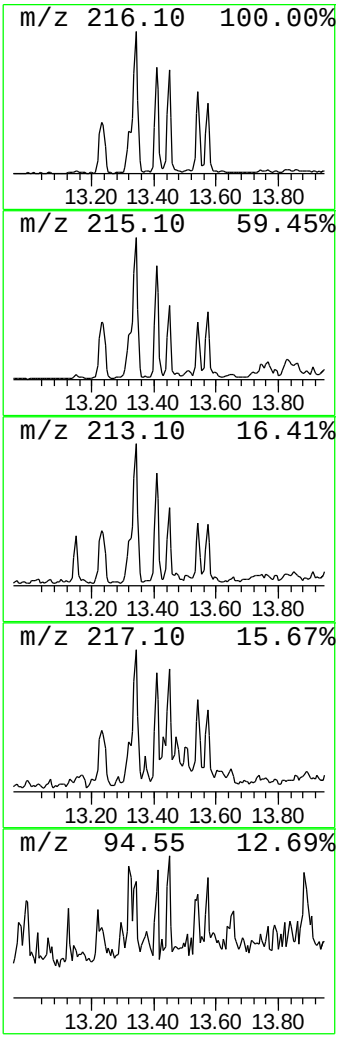
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	2.94 ng	495681	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70





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Data File : BF108088.D
Acq On : 10 Aug 2018 17:10
Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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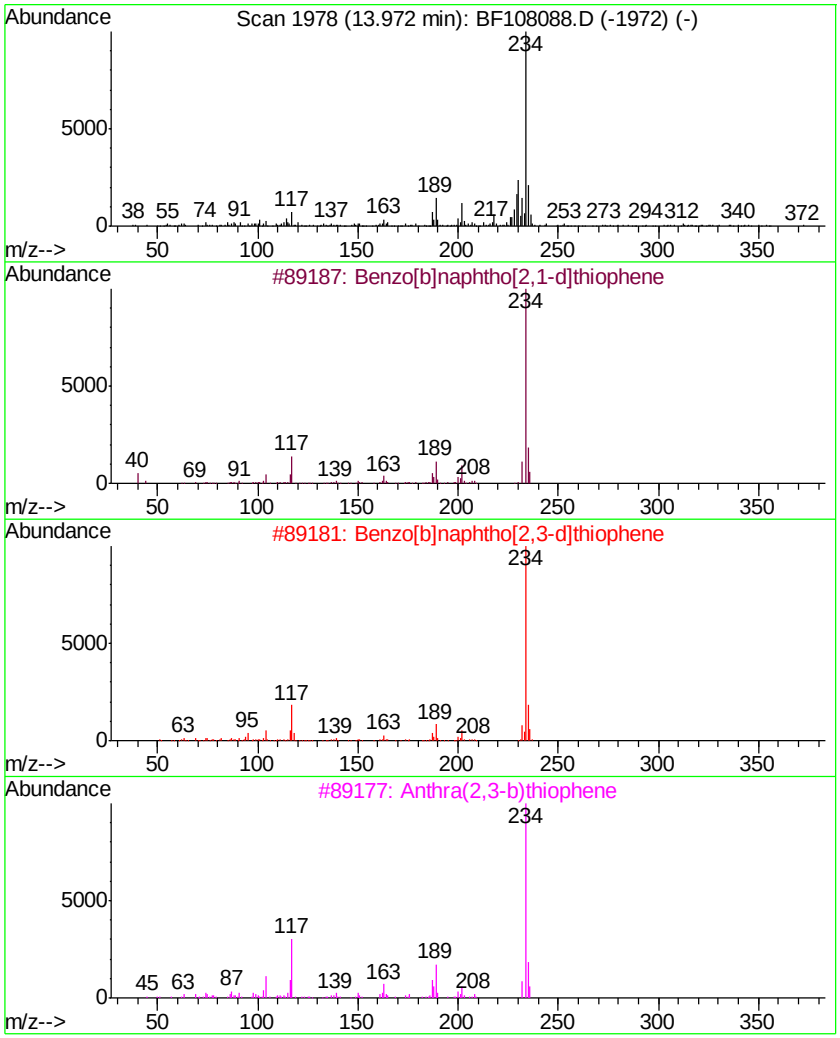
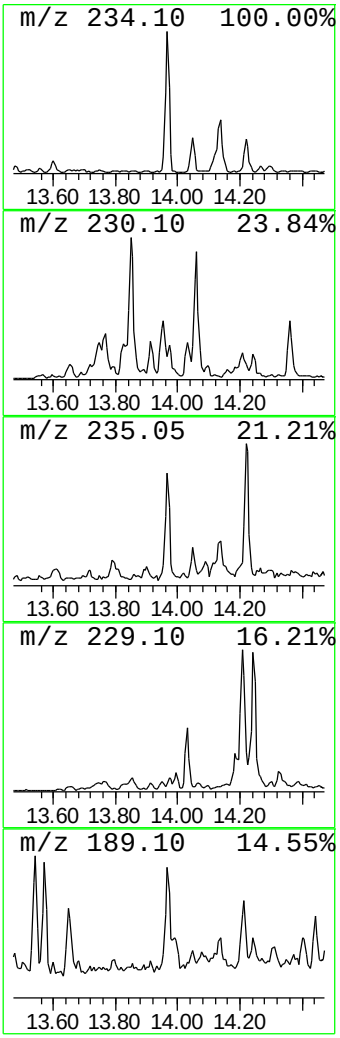
Peak Number 19 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	2.42 ng	407565	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	94
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	93
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108088.D
Acq On : 10 Aug 2018 17:10
Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

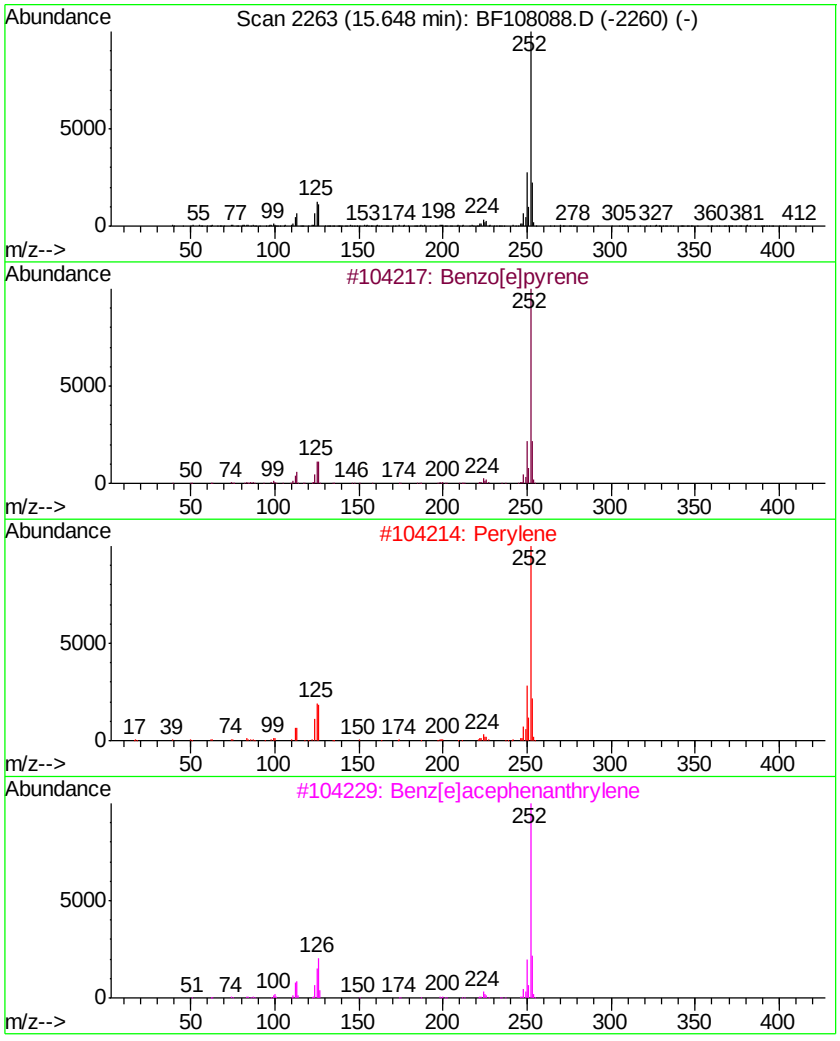
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

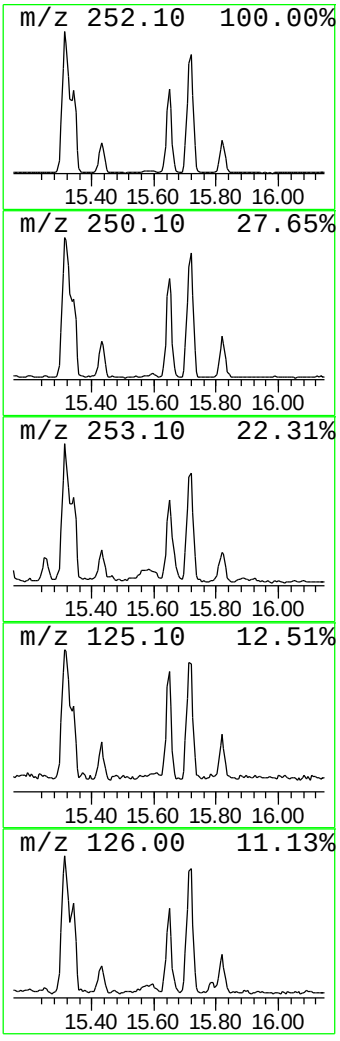
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	8.31 ng	672554	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108088.D
Acq On : 10 Aug 2018 17:10
Operator : JU/SJ
Sample : J4272-05 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-080918-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.24	6.5	ng	564381	1	7.02	1740250	20.0
unknown6.78	6.78	33.9	ng	2952070	1	7.02	1740250	20.0
Hexadecane	10.48	2.6	ng	268602	3	10.07	2081050	20.0
Tridecane	10.95	4.0	ng	372590	4	11.56	1886660	20.0
Tetradecane	11.40	2.3	ng	220741	4	11.56	1886660	20.0
5H-Indeno[1,2-b]p...	11.79	2.2	ng	209093	4	11.56	1886660	20.0
Pentadecanoic aci...	11.94	14.0	ng	1321620	4	11.56	1886660	20.0
Phenanthrene, 2-m...	12.07	4.6	ng	435298	4	11.56	1886660	20.0
Phenanthrene, 1-m...	12.09	4.8	ng	457212	4	11.56	1886660	20.0
4H-Cyclopenta[def...	12.18	7.7	ng	729008	4	11.56	1886660	20.0
9,12-Octadecadien...	12.63	63.9	ng	6025200	4	11.56	1886660	20.0
16-Octadecenoic a...	12.65	51.6	ng	4866400	4	11.56	1886660	20.0
Methyl stearate	12.73	9.0	ng	847434	4	11.56	1886660	20.0
Fluoranthene, 2-m...	13.23	2.3	ng	379829	5	14.22	3372780	20.0
11H-Benzo[b]fluorene	13.34	2.5	ng	425364	5	14.22	3372780	20.0
Pyrene, 1-methyl-	13.45	2.9	ng	495681	5	14.22	3372780	20.0
Benzo[b]naphtho[2...	13.97	2.4	ng	407565	5	14.22	3372780	20.0
Benzo[e]pyrene	15.65	8.3	ng	672554	6	15.79	1619460	20.0