LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
Data File : BF108502.D
Acq On : 27 Aug 2018 11:36
Operator : JU/SJ
Sample : J4270-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-01-082318

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	5.225	487	491	496	rBV	18185	18657	1.26%	0.090%
2	5.619	554	558	571	rBV	418517	403291	27.15%	1.950%
3	6.613	724	727	743	rBV	486230	451649	30.41%	2.184%
4	6.766	749	753	769	rVB	548880	467368	31.46%	2.260%
5	6.995	789	792	796	rBV	924350	796276	53.61%	3.850%
6	7.154	815	819	827	rVB	428997	370337	24.93%	1.791%
7	7.554	884	887	896	rBV	311244	290574	19.56%	1.405%
8	8.284	1007	1011	1014	rBV	1189620	1027826	69.20%	4.970%
9	9.354	1189	1193	1202	rBV	628261	545766	36.74%	2.639%
10	9.742	1256	1259	1265	rBV	147901	132202	8.90%	0.639%
11	10.042	1306	1310	1314	rBV2	1413961	1237425	83.31%	5.984%
12	10.072	1314	1315	1321	rVB	28489	25252	1.70%	0.122%
13	10.448	1373	1379	1385	rVB	26471	32815	2.21%	0.159%
14	10.836	1441	1445	1457	rBV	330867	351222	23.65%	1.698%
15	11.342	1528	1531	1534	rBV	21562	17808	1.20%	0.086%
16	11.436	1545	1547	1550	rVB	26728	20090	1.35%	0.097%
17	11.536	1561	1564	1567	rBV	1386076	1396834	94.04%	6.754%
18	11.560	1567	1568	1572	rVV	696797	520743	35.06%	2.518%
19	11.613	1575	1577	1580	rVB	68109	52214	3.52%	0.252%
20	11.766	1598	1603	1608	rBV	71559	84900	5.72%	0.411%
21	12.036	1646	1649	1652	rBV	88134	87101	5.86%	0.421%
22	12.066	1652	1654	1658	rVB	108109	92708	6.24%	0.448%
23	12.154	1665	1669	1671	rBV2	126323	132738	8.94%	0.642%
24	12.177	1671	1673	1677	rVB	51834	43979	2.96%	0.213%
25	12.272	1686	1689	1692	rBV2	32910	35067	2.36%	0.170%
26	12.336	1696	1700	1702	rBV	73808	64799	4.36%	0.313%
27	12.366	1702	1705	1710	rVB	134133	121792	8.20%	0.589%
28	12.589	1739	1743	1746	rBV	47136	56032	3.77%	0.271%
29	12.683	1755	1759	1763	rBV	61019	63869	4.30%	0.309%
30	12.760	1768	1772	1775	rBV	1723649	1440059	96.95%	6.963%
31	12.819	1780	1782	1785	rVB	26072	19890	1.34%	0.096%
32	12.883	1789	1793	1795	rBV2	22953	27516	1.85%	0.133%
33	12.913	1795	1798	1802	rVV	41185	38479	2.59%	0.186%
34	12.948	1802	1804	1805	rVV	57507	41211	2.77%	0.199%

LSC Area Percent Report

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Acq On : 27 Aug 2018 11:36
Operator : JU/SJ
Sample : J4270-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-01-082318

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

35	12.971	1805	1808	1809	rVV2	264837	266836	17.96%	1.290%
36	12.989	1809	1811	1815	rVV	1113356	1035592	69.72%	5.008%
37	13.036	1816	1819	1822	rVB	59822	58347	3.93%	0.282%
38	13.119	1824	1833	1836	rBV2	567772	540049	36.36%	2.611%
39	13.148	1836	1838	1842	rVB	32413	28703	1.93%	0.139%
40	13.201	1843	1847	1851	rBV3	61502	109857	7.40%	0.531%
41	13.289	1859	1862	1863	rBV2	55179	54917	3.70%	0.266%
42	13.313	1863	1866	1870	rVV	145380	150962	10.16%	0.730%
43	13.383	1874	1878	1880	rVV	82452	73232	4.93%	0.354%
44	13.418	1880	1884	1887	rVV2	80204	111789	7.53%	0.541%
45	13.442	1887	1888	1891	rVV	60739	47686	3.21%	0.231%
46	13.471	1891	1893	1897	rVB	22194	20277	1.37%	0.098%
47	13.513	1897	1900	1903	rBV	40478	39373	2.65%	0.190%
48	13.548	1903	1906	1909	rBV2	45517	44133	2.97%	0.213%
49	13.695	1928	1931	1933	rBV3	12582	17012	1.15%	0.082%
50	13.742	1936	1939	1942	rVV2	31832	41954	2.82%	0.203%
51	13.795	1945	1948	1950	rBV3	19370	21991	1.48%	0.106%
52	13.824	1950	1953	1957	rVB	120823	112116	7.55%	0.542%
53	13.936	1967	1972	1975	rBV2	133755	161175	10.85%	0.779%
54	13.966	1975	1977	1979	rVV	94574	84150	5.67%	0.407%
55	13.995	1979	1982	1985	rVV2	90705	126485	8.52%	0.612%
56	14.036	1985	1989	1996	rVV	152502	183733	12.37%	0.888%
57	14.107	1996	2001	2005	rVV	34395	51654	3.48%	0.250%
58	14.189	2008	2015	2018	rVV2	1100061	1485385	100.00%	7.183%
59	14.218	2018	2020	2027	rVB	581720	502529	33.83%	2.430%
60	14.295	2031	2033	2036	rVV	70189	68069	4.58%	0.329%
61	14.342	2039	2041	2044	rVV3	20600	32914	2.22%	0.159%
62	14.383	2046	2048	2050	rVV	28689	24895	1.68%	0.120%
63	14.418	2050	2054	2057	rVV2	55850	72795	4.90%	0.352%
64	14.448	2057	2059	2062	rVB3	24750	20172	1.36%	0.098%
65	14.542	2072	2075	2077	rBV3	21168	22346	1.50%	0.108%
66	14.577	2077	2081	2084	rVV	68369	77139	5.19%	0.373%
67	14.618	2084	2088	2092	rVB4	64216	91725	6.18%	0.444%
68	14.707	2101	2103	2105	rBV	41535	39044	2.63%	0.189%
69	14.730	2105	2107	2110	rVB2	52698	44088	2.97%	0.213%
70	14.783	2112	2116	2123	rVB4	32835	59077	3.98%	0.286%
71	14.907	2132	2137	2140	rBV3	48041	63275	4.26%	0.306%

LSC Area Percent Report

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Sample : J4270-03 5X
Misc :
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Instrument : BNA_F
ClientSampleId : BU-01-082318

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
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.948	2142	2144	2148	rVV2	34630	37195	2.50%	0.180%
73	14.989	2148	2151	2154	rVV4	14681	21561	1.45%	0.104%
74	15.030	2154	2158	2163	rVB6	24029	39951	2.69%	0.193%
75	15.107	2167	2171	2176	rVB3	45740	64585	4.35%	0.312%
76	15.277	2196	2200	2204	rBV	492901	795924	53.58%	3.849%
77	15.307	2204	2205	2211	rVB	254752	206839	13.92%	1.000%
78	15.395	2217	2220	2224	rBV	58251	75386	5.08%	0.365%
79	15.489	2233	2236	2242	rBV4	31085	57948	3.90%	0.280%
80	15.607	2252	2256	2263	rVB	273973	367362	24.73%	1.776%
81	15.677	2263	2268	2273	rBV	338005	424290	28.56%	2.052%
82	15.748	2273	2280	2284	rVV	638659	898382	60.48%	4.344%
83	15.777	2284	2285	2292	rVB2	98349	112356	7.56%	0.543%
84	16.201	2351	2357	2364	rVB2	64606	120663	8.12%	0.583%
85	16.354	2381	2383	2388	rVB2	18187	22759	1.53%	0.110%
86	16.748	2446	2450	2455	rVB4	39004	73178	4.93%	0.354%
87	17.354	2546	2553	2565	rBV2	186422	420099	28.28%	2.031%
88	17.548	2581	2586	2591	rBV	25586	49073	3.30%	0.237%
89	17.612	2593	2597	2603	rBV3	23685	62781	4.23%	0.304%
90	17.848	2630	2637	2650	rVB	129967	309215	20.82%	1.495%
91	18.112	2678	2682	2686	rBV	15520	26819	1.81%	0.130%

Sum of corrected areas: 20680331

LSC Report - Integrated Chromatogram

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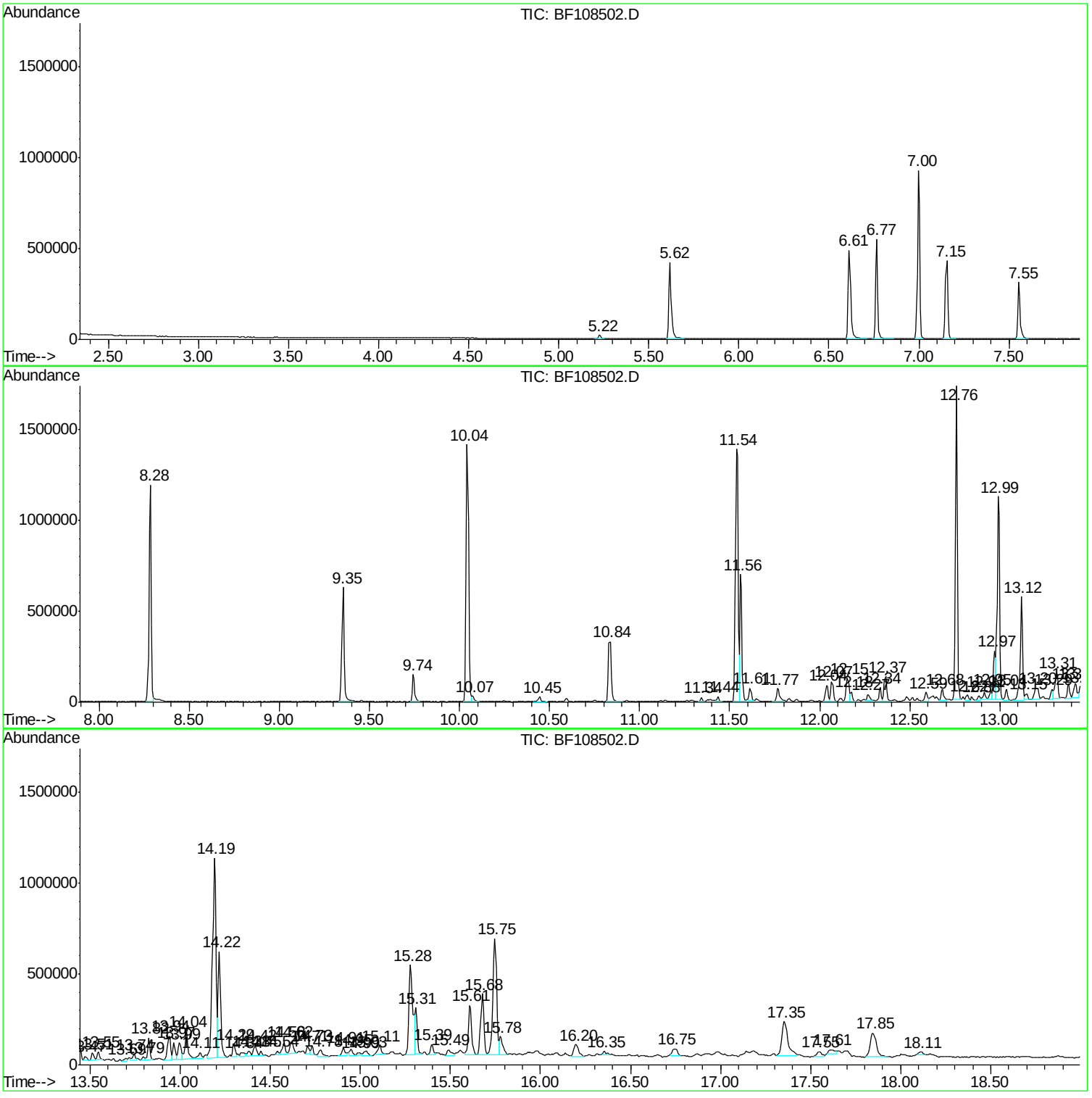
Data File : BF108502.D
Acq On : 27 Aug 2018 11:36
Operator : JU/SJ
Sample : J4270-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-01-082318

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\BF082718\
Data File : BF108502.D
Acq On : 27 Aug 2018 11:36
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Instrument : BNA_F
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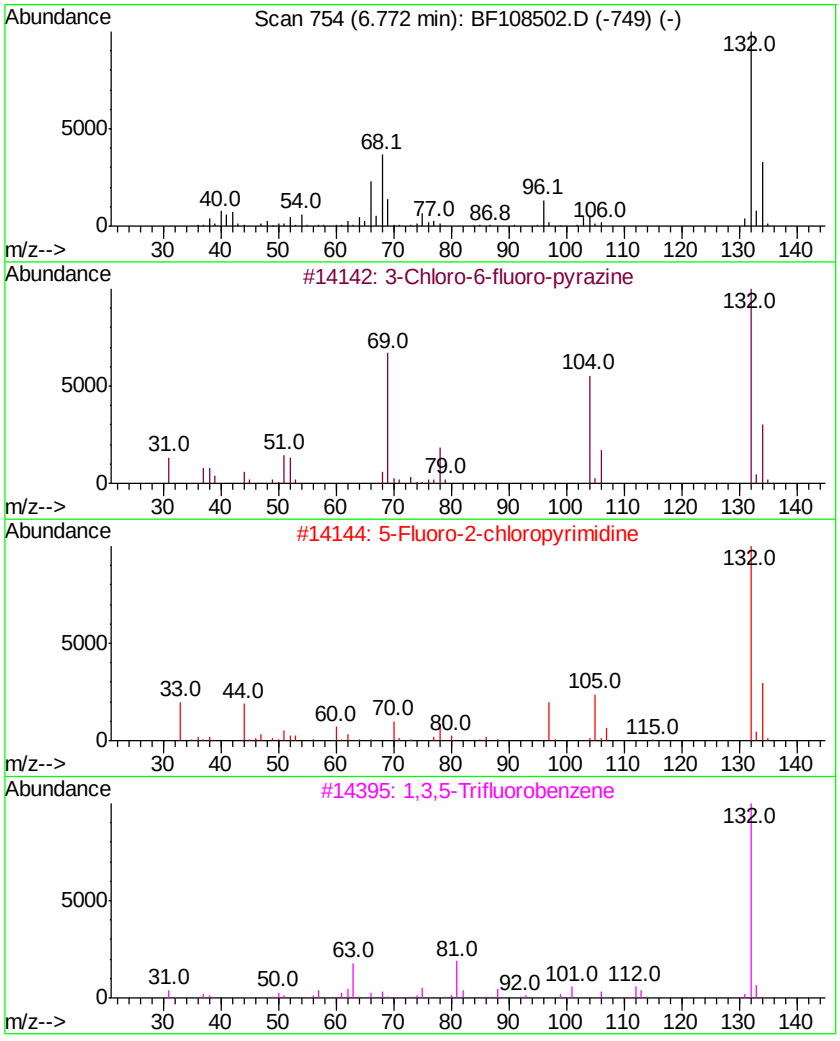
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

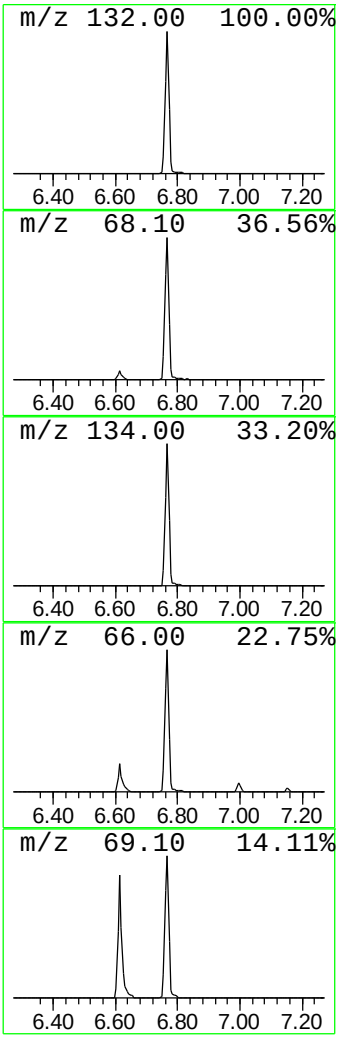
****

Peak Number 1 unknown6.77 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	11.74 ng	467368	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
Data File : BF108502.D
Acq On : 27 Aug 2018 11:36
Operator : JU/SJ
Sample : J4270-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-01-082318

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

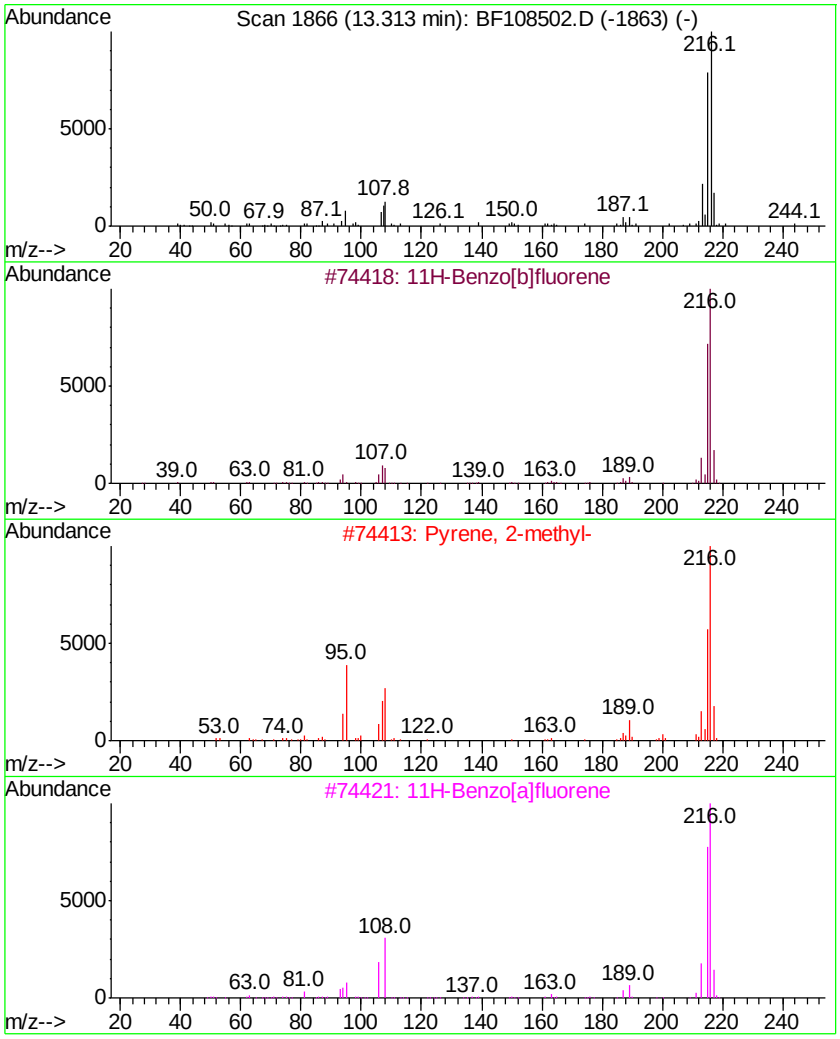
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

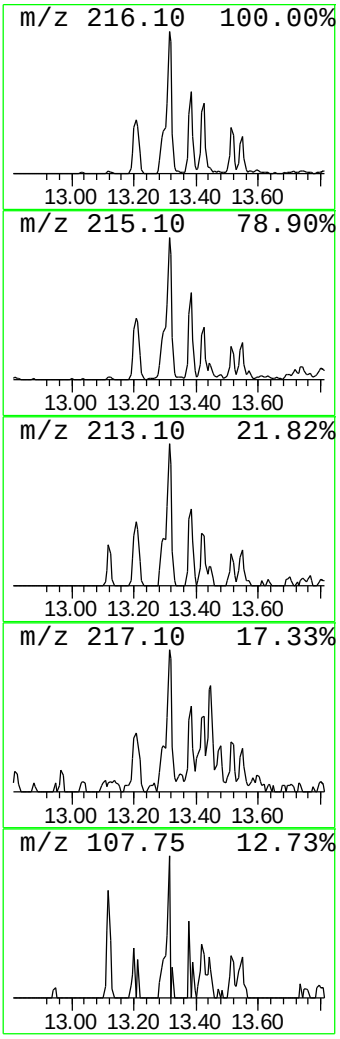
****

Peak Number 3 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	2.03 ng	150962	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Instrument : BNA_F
ClientSampleId : BU-01-082318

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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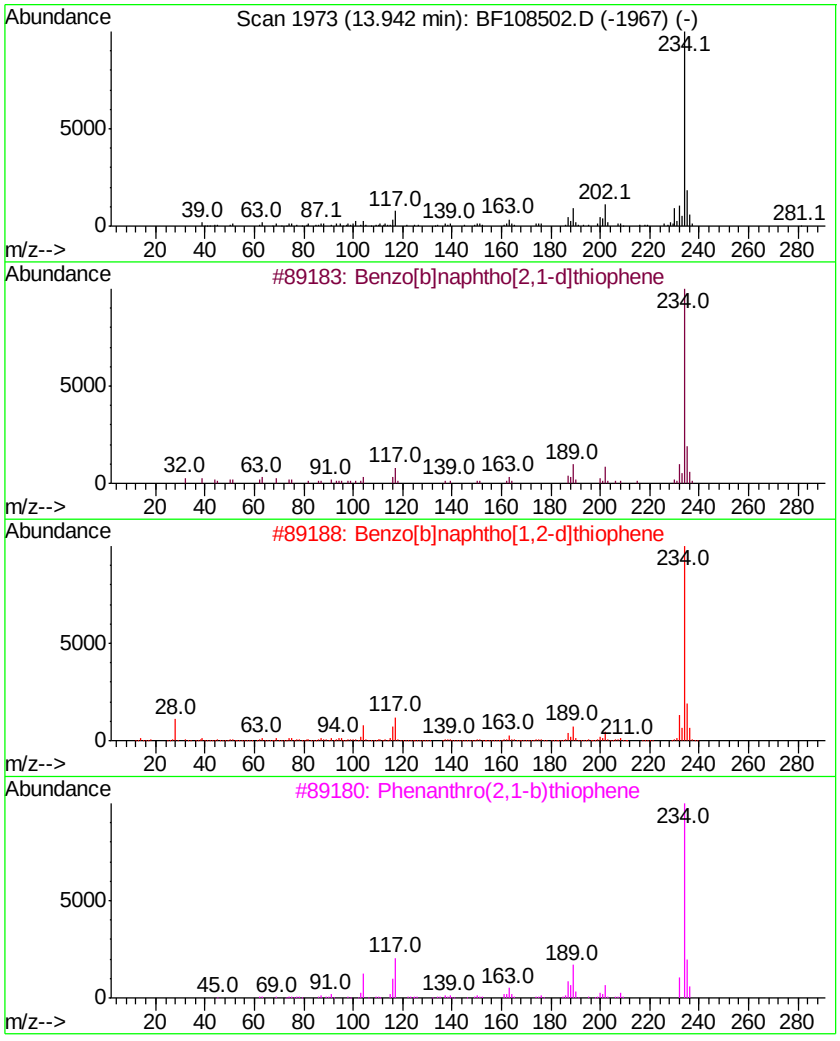
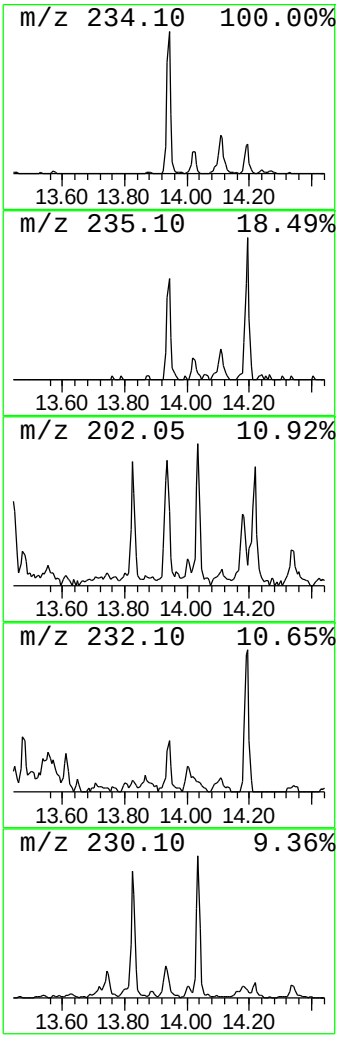
Peak Number 4 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	2.17 ng	161175	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	83
3	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	60
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58
5	Imidazole, 4-pentafluorophenyl-	234	C9H3F5N2	081769-58-6	38





Library Search Compound Report

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ALS Vial : 6 Sample Multiplier: 1

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

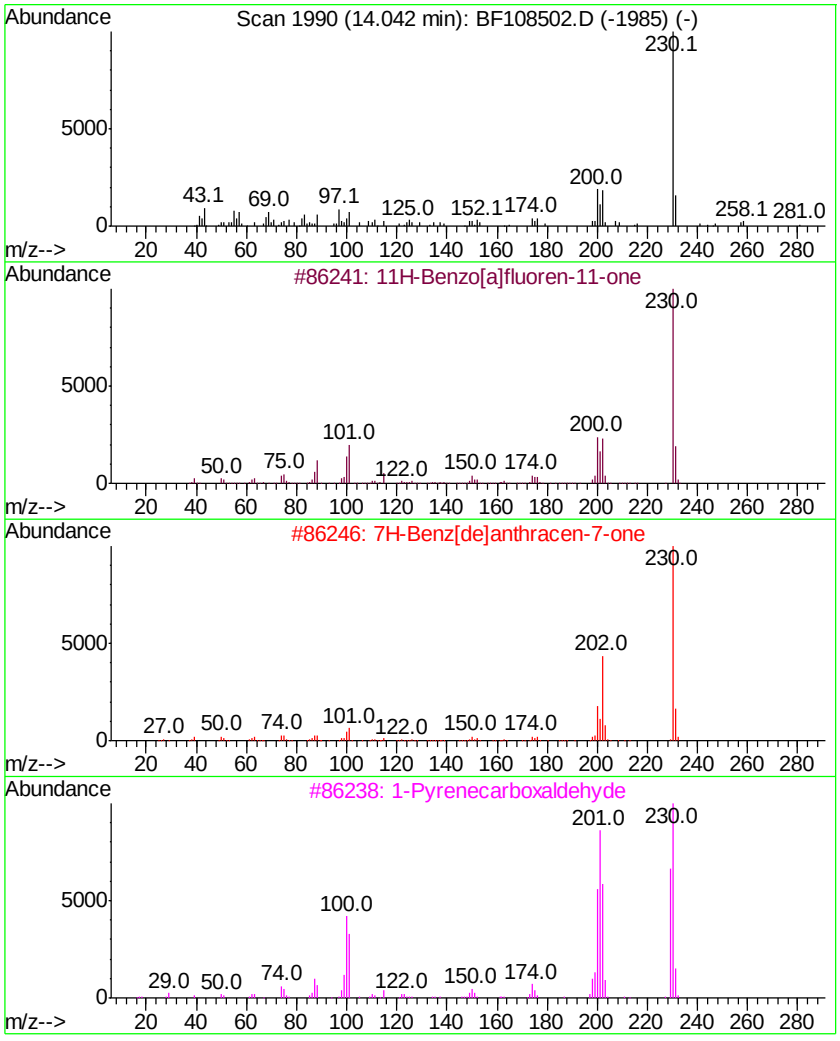
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

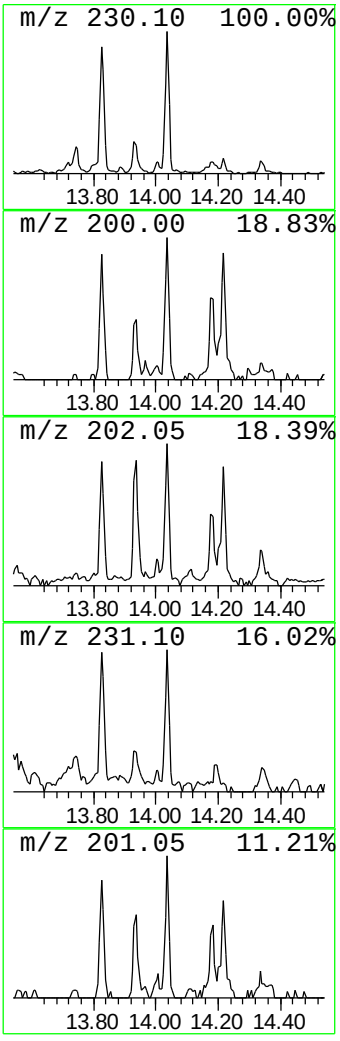
****

Peak Number 5 11H-Benzo[a]fluoren-11-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	2.47 ng	183733	Chrysene-d12	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	50
4	5,6-Dihydrochrysene	230	C18H14	002091-92-1	50
5	o-Terphenyl	230	C18H14	000084-15-1	50





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Misc :
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Instrument : BNA_F
ClientSampleId : BU-01-082318

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

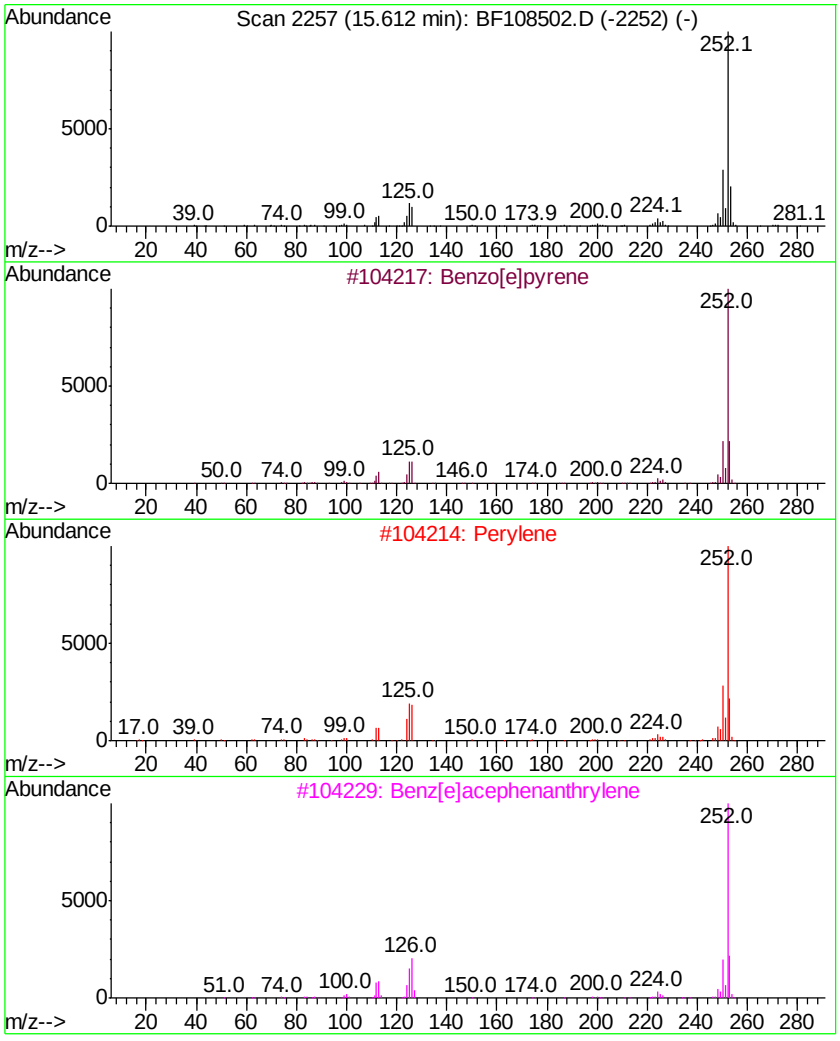
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

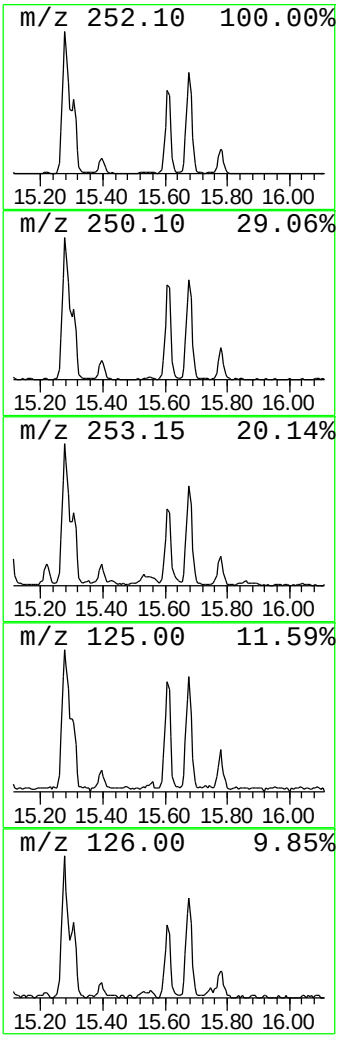
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	8.18 ng	367362	Perylene-d12	15.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





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ClientSampleId : BU-01-082318

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

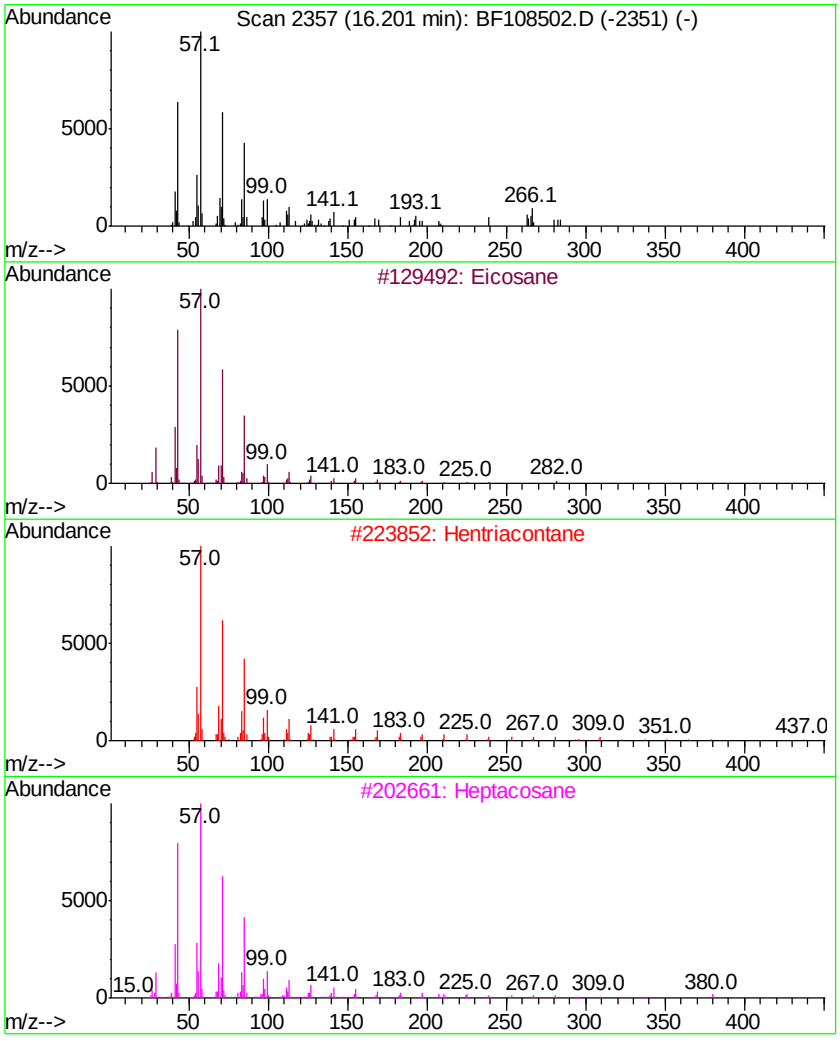
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

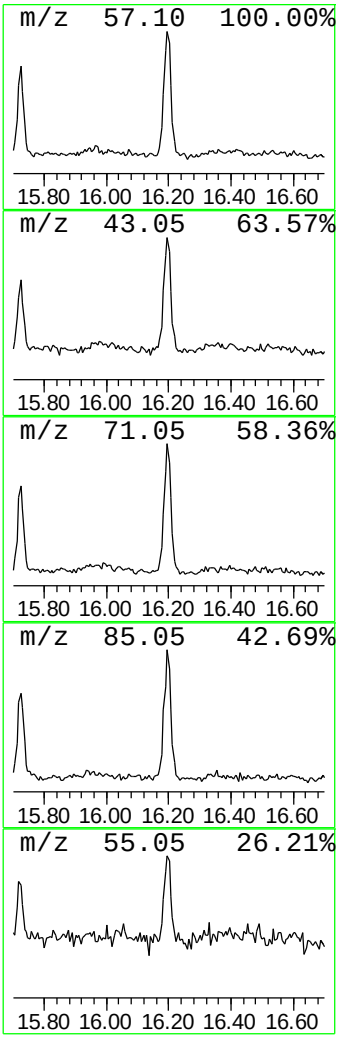
****

Peak Number 7 Eicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	2.69 ng	120663	Perylene-d12	15.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Hentriacontane	437	C31H64	000630-04-6	76
3	Heptacosane	380	C27H56	000593-49-7	76
4	Sulfurous acid, butyl tridecyl e...	320	C17H36O3S	1000309-18-0	68
5	Pentacosane	352	C25H52	000629-99-2	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082718\
Data File : BF108502.D
Acq On : 27 Aug 2018 11:36
Operator : JU/SJ
Sample : J4270-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-01-082318

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
unknown6.77	6.77	11.7	ng	467368	1	7.00	796276	20.0
11H-Benzo[b]fluorene	13.31	2.0	ng	150962	5	14.19	1485390	20.0
Benzo[b]naphtho[2...	13.94	2.2	ng	161175	5	14.19	1485390	20.0
11H-Benzo[a]fluor...	14.04	2.5	ng	183733	5	14.19	1485390	20.0
Benzo[e]pyrene	15.61	8.2	ng	367362	6	15.75	898382	20.0
Eicosane	16.20	2.7	ng	120663	6	15.75	898382	20.0