LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

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-BF101518.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	2.304	31	37	52	rVB	2575941	3408018	27.59%	1.855%
2	5.592	591	596	614	rVB	2261474	2262379	18.32%	1.232%
3	6.592	761	766	771	rBV2	1554927	1749734	14.17%	0.953%
4	6.745	788	792	795	rBV	4742963	4203414	34.03%	2.288%
5	6.798	798	801	805	rVB	195756	181523	1.47%	0.099%
6	6.981	828	832	835	rVB	2006416	1623122	13.14%	0.884%
7	7.133	854	858	862	rBV	4324023	4014281	32.50%	2.185%
8	7.539	923	927	930	rBV	3533289	3370698	27.29%	1.835%
9	8.263	1046	1050	1052	rBV	2597373	2226681	18.03%	1.212%
10	8.286	1052	1054	1057	rVV	894550	687811	5.57%	0.374%
11	8.975	1167	1171	1176	rBV	980399	790501	6.40%	0.430%
12	9.075	1183	1188	1191	rVB	658515	545777	4.42%	0.297%
13	9.339	1228	1233	1236	rBV	6529555	5899057	47.76%	3.211%
14	9.439	1247	1250	1253	rBV	288906	242684	1.97%	0.132%
15	9.604	1273	1278	1282	rBV	334020	456699	3.70%	0.249%
16	9.674	1286	1290	1293	rBV	518653	532500	4.31%	0.290%
17	9.704	1293	1295	1297	rVV	330126	248273	2.01%	0.135%
18	9.727	1297	1299	1304	rVB	731203	608412	4.93%	0.331%
19	9.792	1305	1310	1312	rBV2	227995	222610	1.80%	0.121%
20	9.880	1322	1325	1332	rVB	1371411	1182293	9.57%	0.644%
21	9.998	1342	1345	1346	rBV	202466	154911	1.25%	0.084%
22	10.022	1346	1349	1352	rVV2	2822498	2402945	19.46%	1.308%
23	10.051	1352	1354	1357	rVB	394733	341221	2.76%	0.186%
24	10.227	1378	1384	1387	rVV	941186	974491	7.89%	0.530%
25	10.257	1387	1389	1393	rVB	175537	155693	1.26%	0.085%
26	10.333	1398	1402	1405	rBV3	217246	262052	2.12%	0.143%
27	10.363	1405	1407	1412	rVB3	173017	166525	1.35%	0.091%
28	10.427	1413	1418	1419	rBV3	175767	238286	1.93%	0.130%
29	10.474	1423	1426	1428	rBV	216451	177223	1.43%	0.096%
30	10.516	1428	1433	1435	rBV4	118099	154605	1.25%	0.084%
31	10.569	1439	1442	1447	rVB	1578277	1474424	11.94%	0.803%
32	10.633	1448	1453	1454	rBV3	94447	139441	1.13%	0.076%
33	10.727	1466	1469	1472	rVB	325864	283197	2.29%	0.154%
34	10.810	1477	1483	1487	rBV2	3364472	3412333	27.63%	1.858%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

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-BF101518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.116	1531	1535	1538	rBV2	318142	377069	3.05%	0.205%
36	11.145	1538	1540	1543	rBV	178246	155397	1.26%	0.085%
37	11.204	1547	1550	1553	rBV	175649	171623	1.39%	0.093%
38	11.357	1573	1576	1579	rVB2	231419	227212	1.84%	0.124%
39	11.410	1582	1585	1589	rVB	531548	475000	3.85%	0.259%
40	11.516	1599	1603	1605	rBV	2759328	2617485	21.19%	1.425%
41	11.545	1605	1608	1610	rVV	4790234	4481251	36.28%	2.439%
42	11.592	1610	1616	1619	rVV	2264171	2034404	16.47%	1.107%
43	11.621	1619	1621	1627	rVB2	185483	210231	1.70%	0.114%
44	11.739	1638	1641	1644	rBV	342085	285476	2.31%	0.155%
45	11.886	1663	1666	1670	rBV4	159563	313336	2.54%	0.171%
46	12.039	1681	1692	1698	rVB2	5980782	12350310	100.00%	6.723%
47	12.092	1698	1701	1704	rVB	651927	588593	4.77%	0.320%
48	12.133	1704	1708	1710	rBV	1007942	1119381	9.06%	0.609%
49	12.310	1736	1738	1741	rVB	454099	335425	2.72%	0.183%
50	12.345	1741	1744	1749	rVB3	186908	240214	1.95%	0.131%
51	12.486	1760	1768	1776	rVV	1341704	3588192	29.05%	1.953%
52	12.563	1778	1781	1784	rVV2	206226	219884	1.78%	0.120%
53	12.733	1804	1810	1814	rBV	4039785	4602575	37.27%	2.506%
54	12.821	1817	1825	1833	rVB2	6505499	11795999	95.51%	6.421%
55	12.939	1842	1845	1847	rBV2	554072	660598	5.35%	0.360%
56	12.963	1847	1849	1854	rVB	3083384	2796059	22.64%	1.522%
57	13.010	1854	1857	1864	rVB2	201763	256559	2.08%	0.140%
58	13.104	1866	1873	1876	rBV	5620424	5575290	45.14%	3.035%
59	13.174	1881	1885	1889	rBV2	232436	392316	3.18%	0.214%
60	13.262	1897	1900	1902	rBV3	220410	301896	2.44%	0.164%
61	13.286	1902	1904	1906	rVV	757145	636764	5.16%	0.347%
62	13.345	1906	1914	1919	rVV2	2983043	6886903	55.76%	3.749%
63	13.392	1919	1922	1925	rVB2	333486	354215	2.87%	0.193%
64	13.486	1935	1938	1940	rVV	180724	152908	1.24%	0.083%
65	13.515	1940	1943	1949	rVB2	205649	294980	2.39%	0.161%
66	13.657	1963	1967	1970	rVB5	177260	226138	1.83%	0.123%
67	13.910	2007	2010	2012	rBV	182375	162110	1.31%	0.088%
68	13.933	2012	2014	2016	rVV	248038	220325	1.78%	0.120%
69	13.986	2016	2023	2034	rVB	5505817	9518753	77.07%	5.182%
70	14.157	2047	2052	2055	rBV2	2319220	3089190	25.01%	1.682%
71	14.186	2055	2057	2062	rVB	990898	814607	6.60%	0.443%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

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-BF101518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.262	2068	2070	2072	rBV	143116	128837	1.04%	0.070%
73	14.304	2072	2077	2080	rBV	1721208	1795824	14.54%	0.978%
74	14.521	2107	2114	2121	rBV	6149580	10038823	81.28%	5.465%
75	14.609	2124	2129	2133	rVV	3031429	3275065	26.52%	1.783%
76	14.698	2141	2144	2148	rVB2	167416	189789	1.54%	0.103%
77	14.827	2163	2166	2171	rVB2	292806	370158	3.00%	0.202%
78	14.933	2179	2184	2191	rVB	3528029	4103121	33.22%	2.234%
79	15.039	2194	2202	2213	rVB	5881805	9770379	79.11%	5.319%
80	15.233	2230	2235	2238	rBV	591837	1029931	8.34%	0.561%
81	15.292	2240	2245	2250	rVB	2974978	3979611	32.22%	2.166%
82	15.345	2251	2254	2257	rBV	201416	210970	1.71%	0.115%
83	15.386	2258	2261	2264	rBV	192336	289688	2.35%	0.158%
84	15.551	2284	2289	2294	rVV	376799	507929	4.11%	0.277%
85	15.627	2294	2302	2307	rVV2	4165345	7598816	61.53%	4.137%
86	15.692	2307	2313	2324	rVB3	3089936	5183644	41.97%	2.822%
87	16.033	2368	2371	2375	rVB	141437	200167	1.62%	0.109%
88	16.162	2386	2393	2399	rVB	1277171	2203723	17.84%	1.200%
89	16.298	2408	2416	2426	rVB	1458600	3625207	29.35%	1.973%
90	16.703	2479	2485	2490	rBV	533075	942490	7.63%	0.513%
91	17.086	2541	2550	2561	rVB2	709799	1887460	15.28%	1.027%
92	17.245	2571	2577	2585	rVB2	315577	663574	5.37%	0.361%
93	17.339	2587	2593	2601	rVB2	214748	464040	3.76%	0.253%
94	17.433	2603	2609	2615	rBV3	152937	342156	2.77%	0.186%
95	17.721	2652	2658	2668	rBV	187226	394446	3.19%	0.215%
96	18.009	2697	2707	2716	rVB3	320918	1177342	9.53%	0.641%

Sum of corrected areas: 183695672

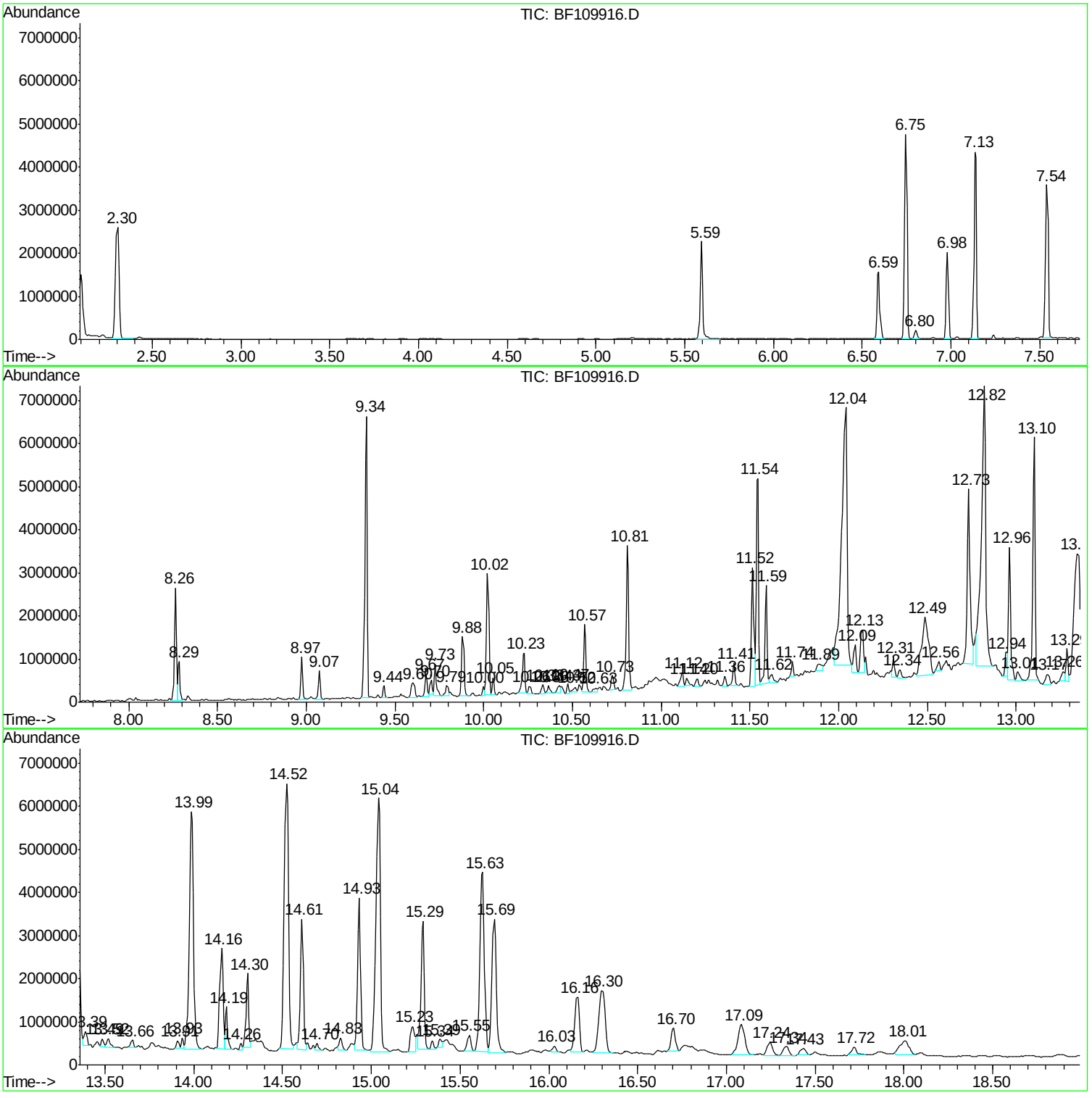
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

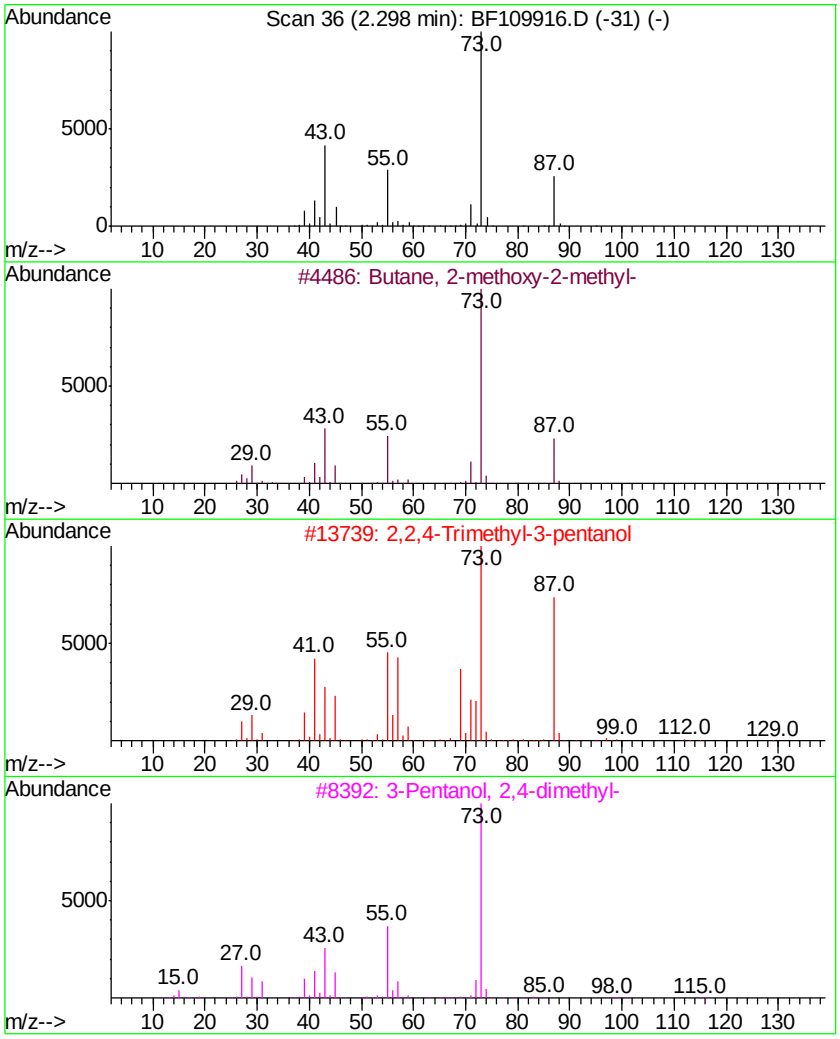
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

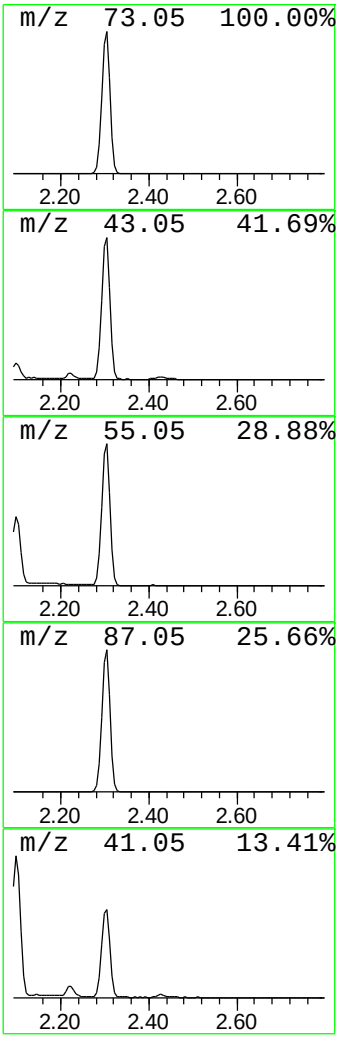
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.30	41.99 ng	3408020	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

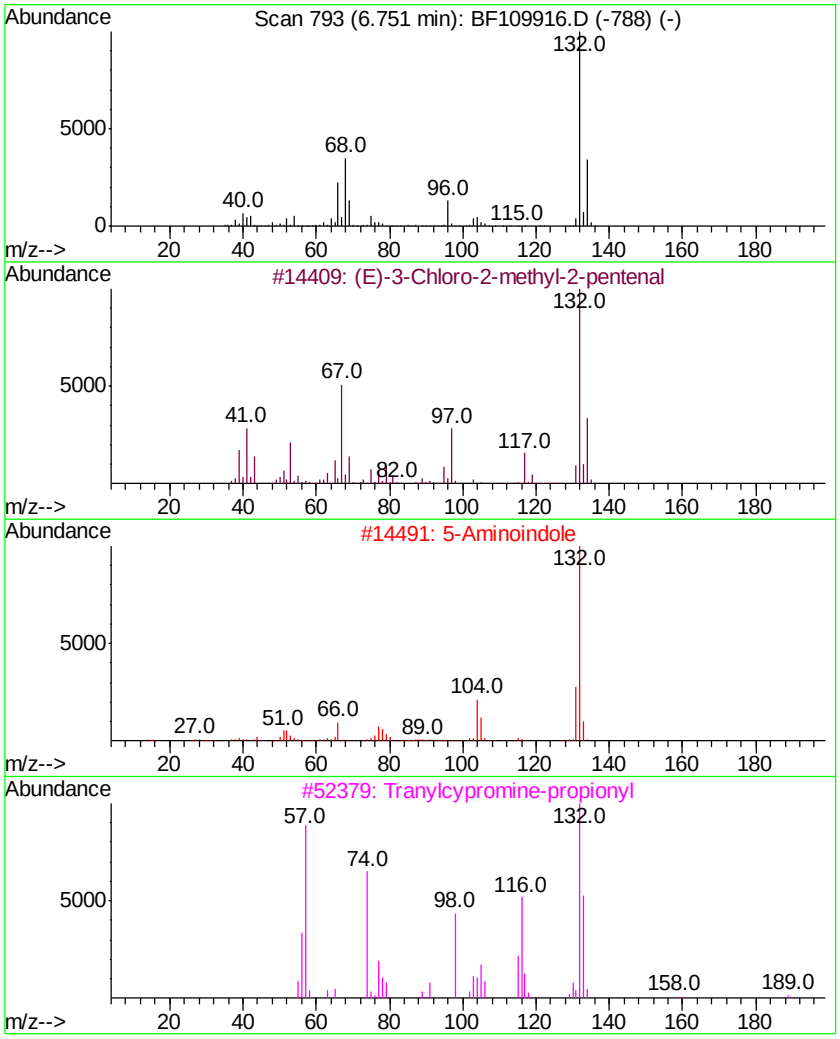
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

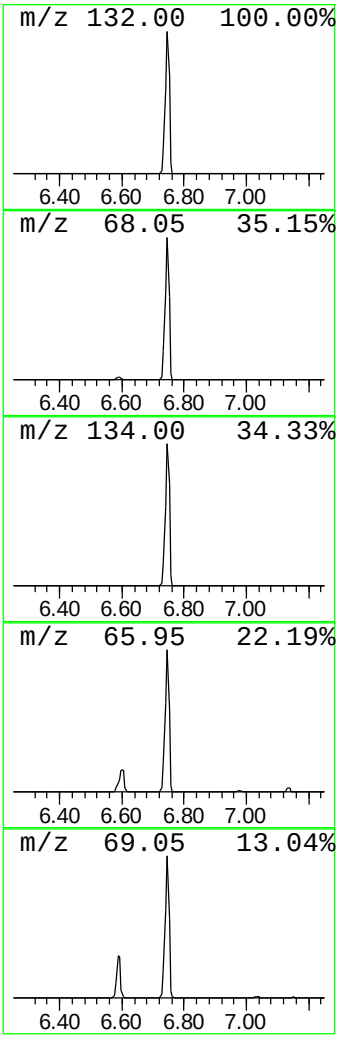
****

Peak Number 2 unknown6.75 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	51.79 ng	4203410	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

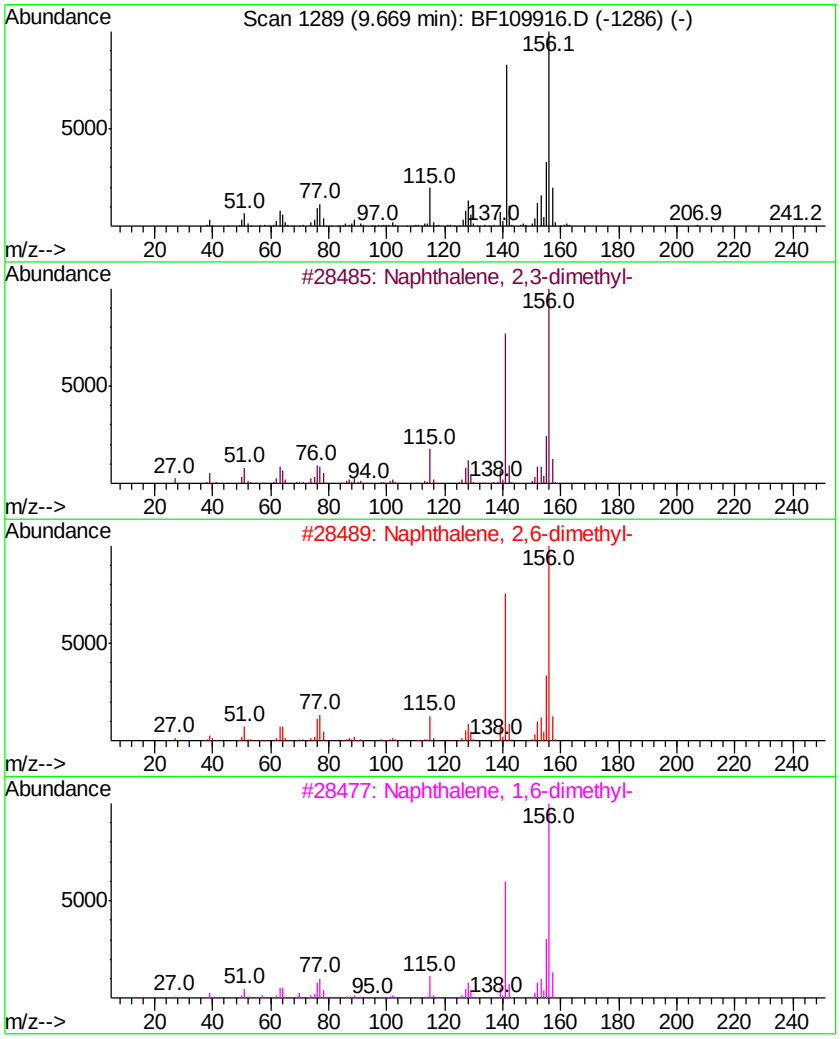
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

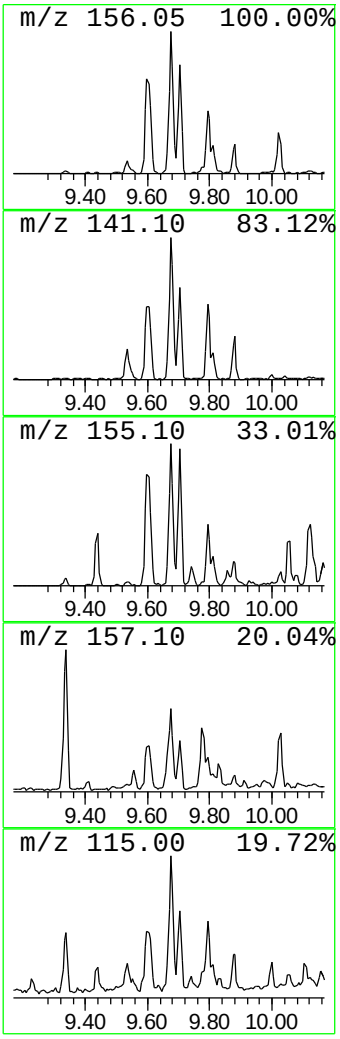
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	4.43 ng	532500	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

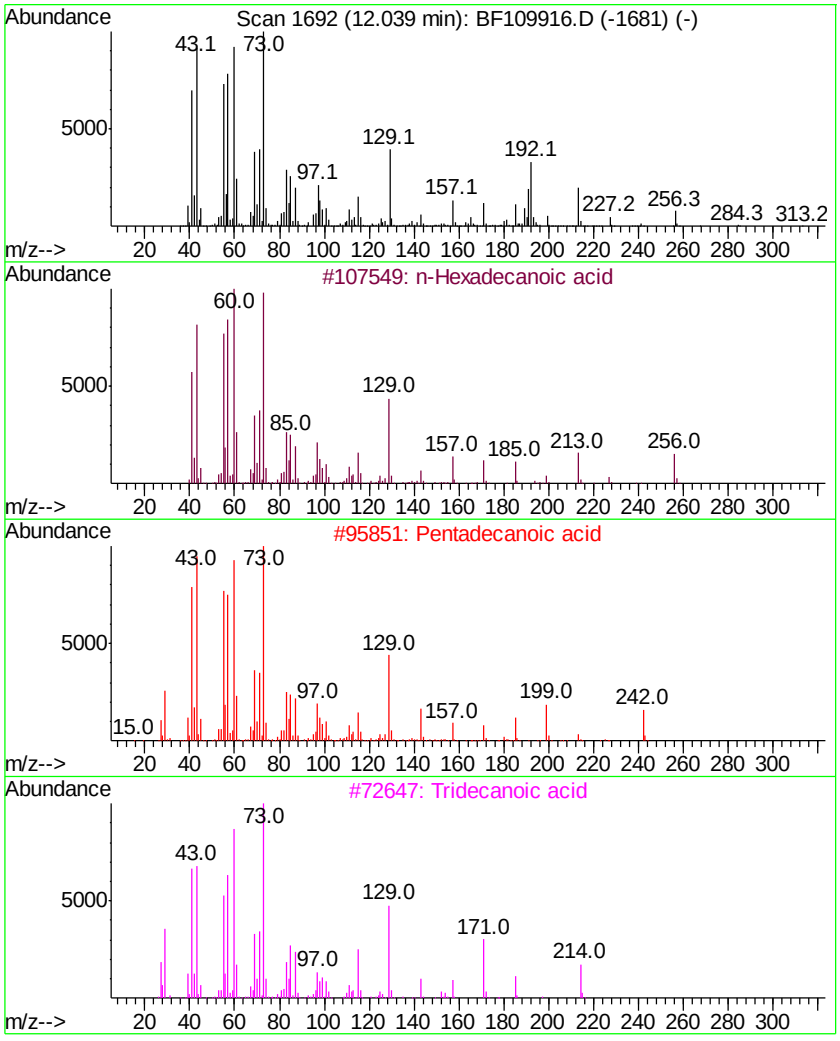
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

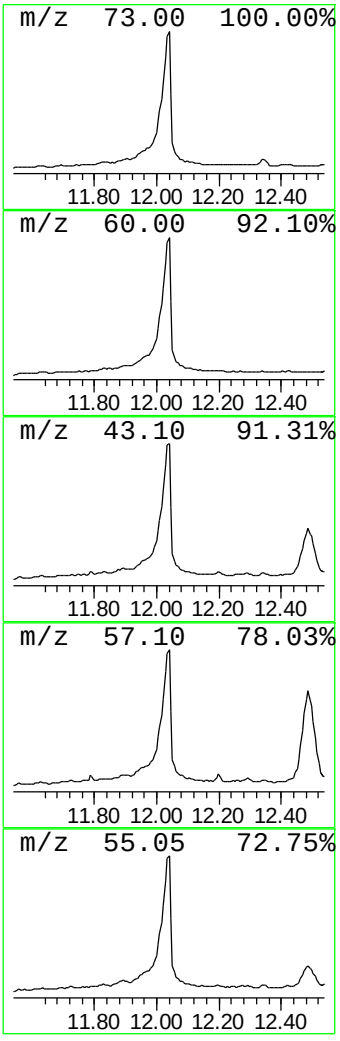
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	94.37 ng	12350300	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Octadecanoic acid	284	C18H36O2	000057-11-4	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

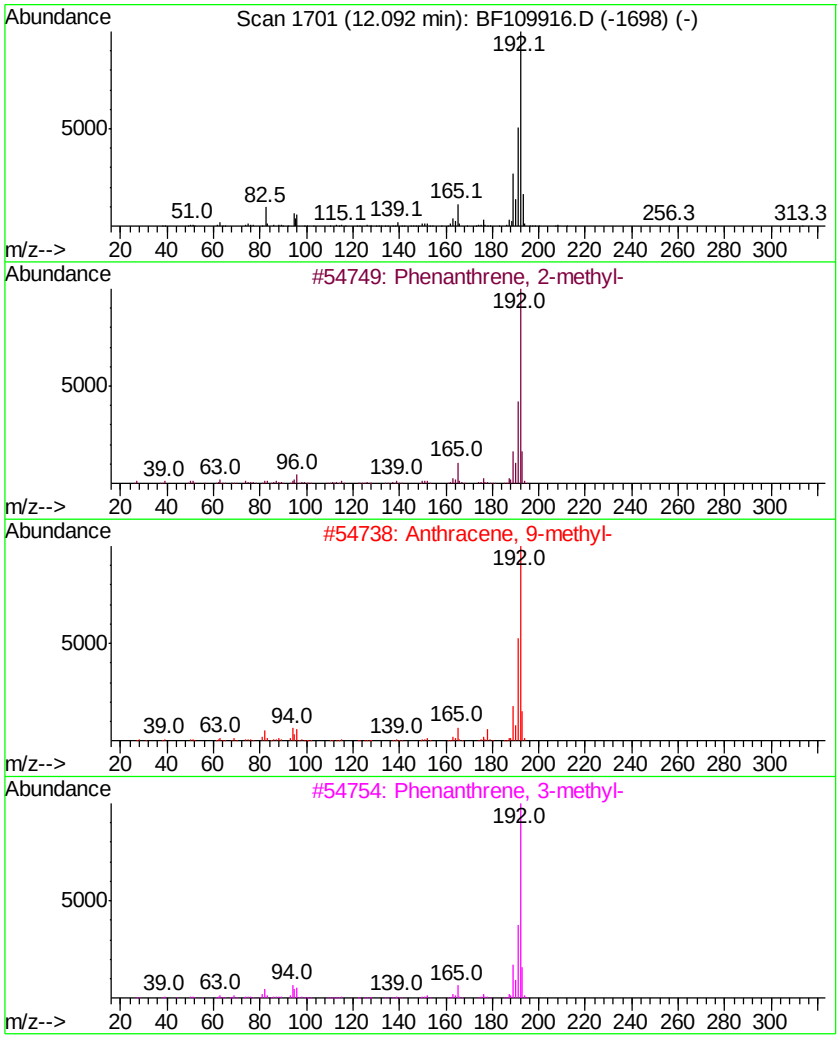
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

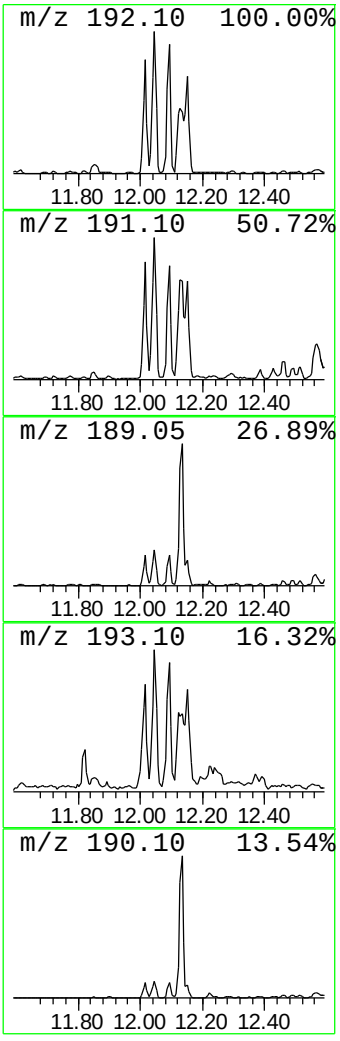
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	4.50 ng	588593	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

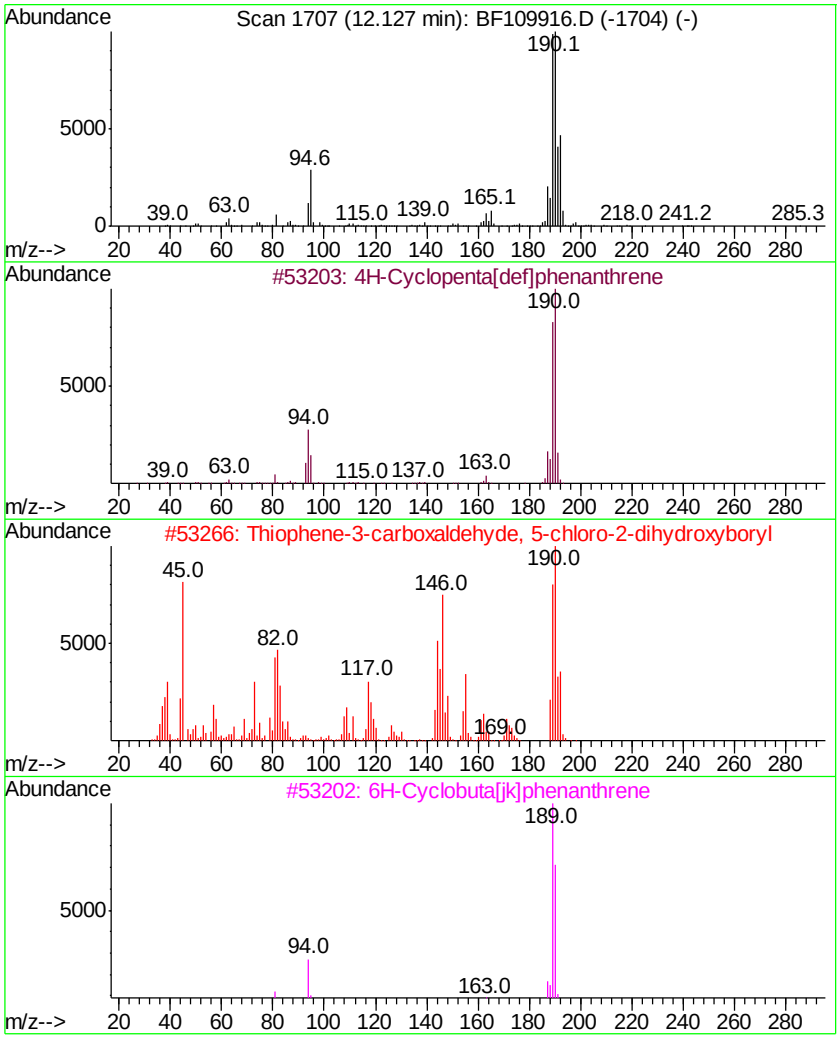
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

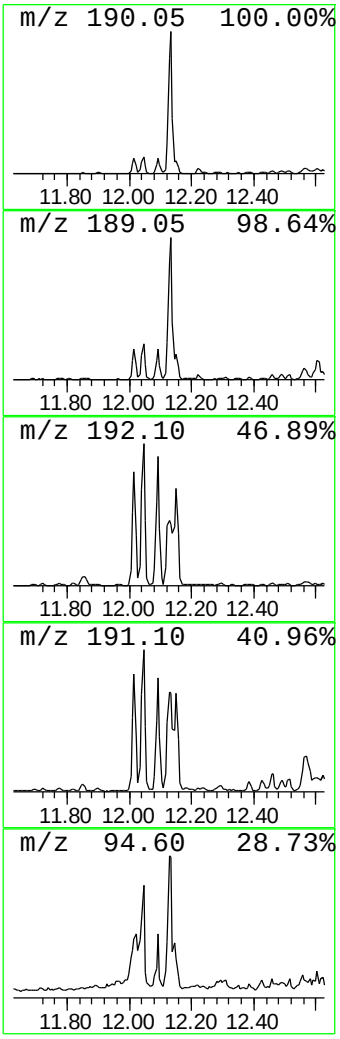
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	8.55 ng	1119380	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

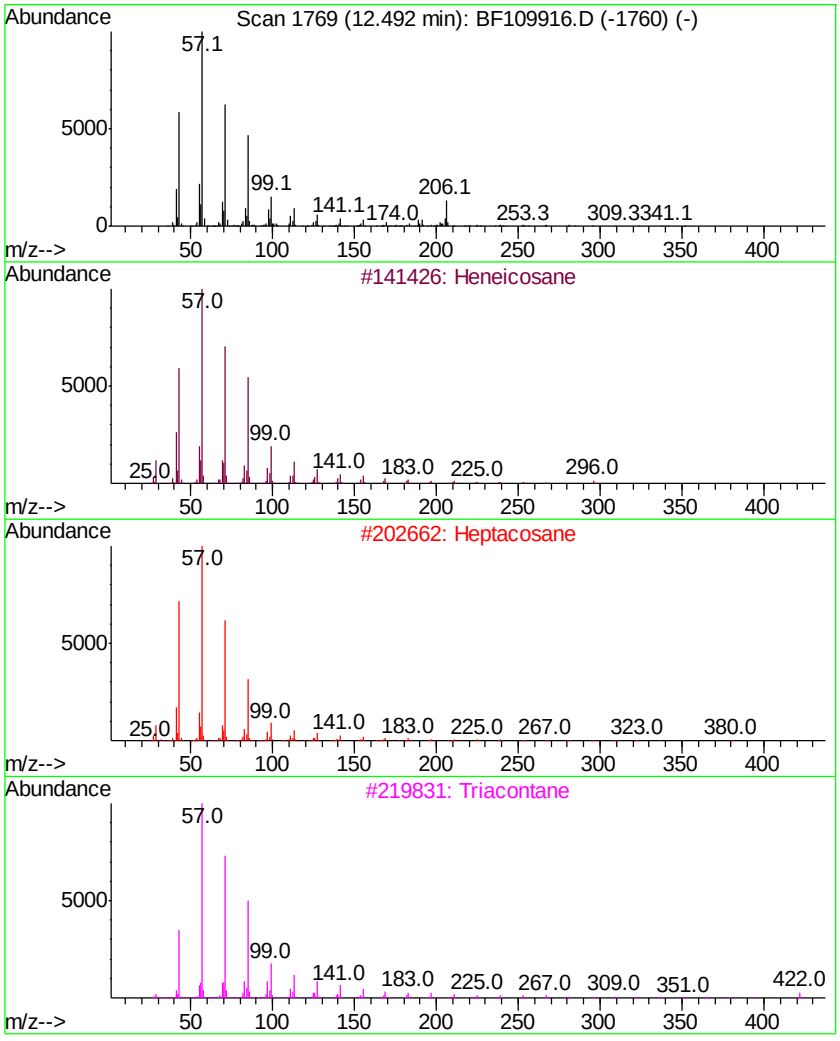
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

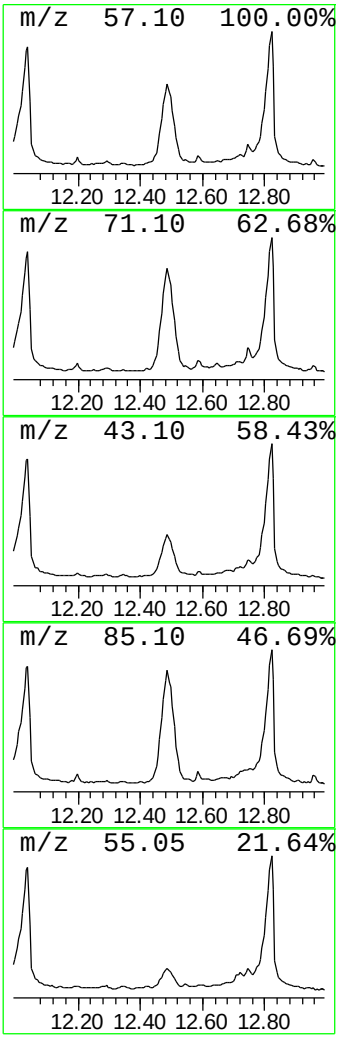
****

Peak Number 8 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	27.42 ng	3588190	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Heptacosane	380	C27H56	000593-49-7	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Eicosane	282	C20H42	000112-95-8	87
5	Pentacosane	352	C25H52	000629-99-2	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

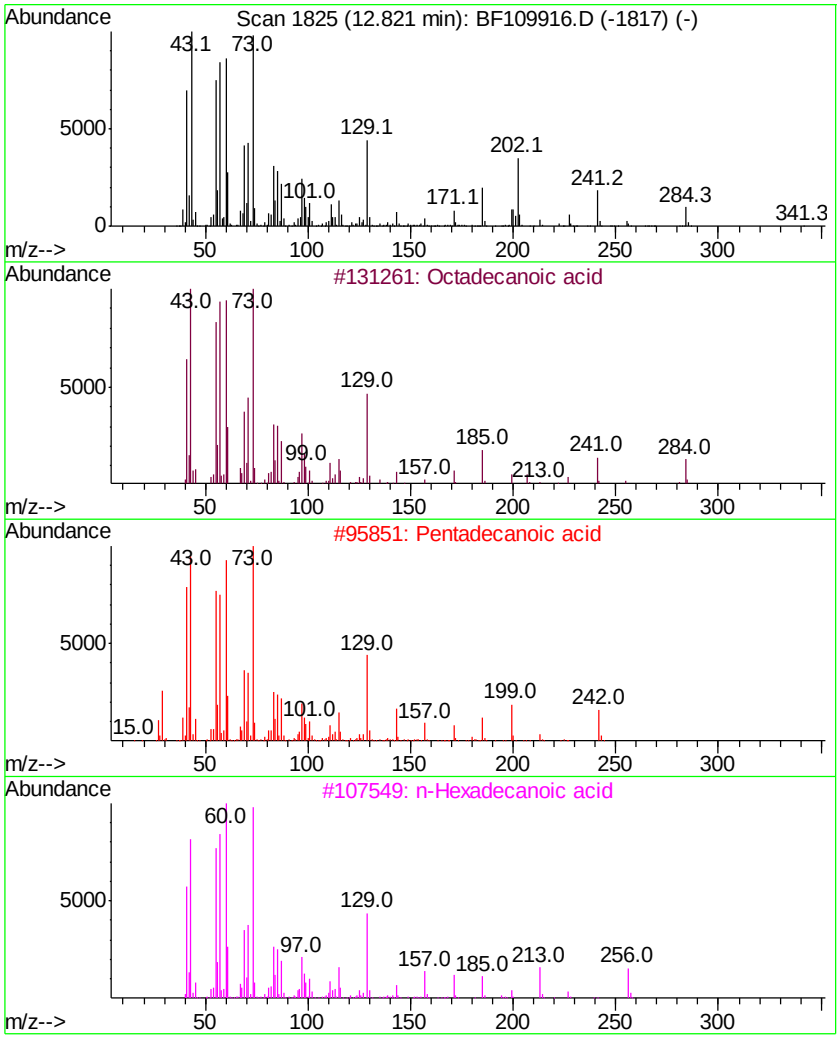
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

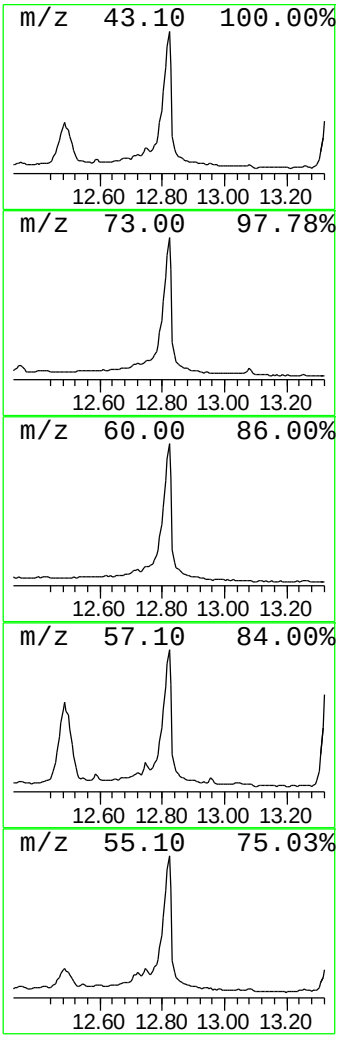
****

Peak Number 9 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	90.13 ng	11796000	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4	Dodecanoic acid	200	C12H24O2	000143-07-7	78
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

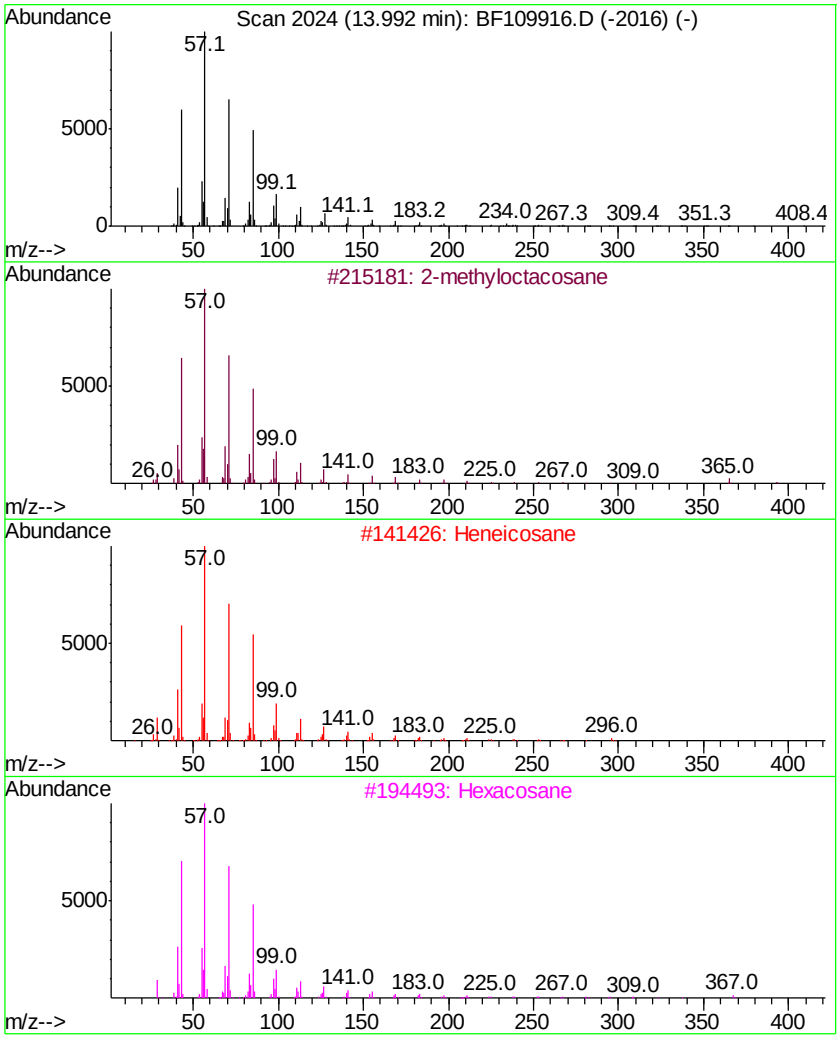
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

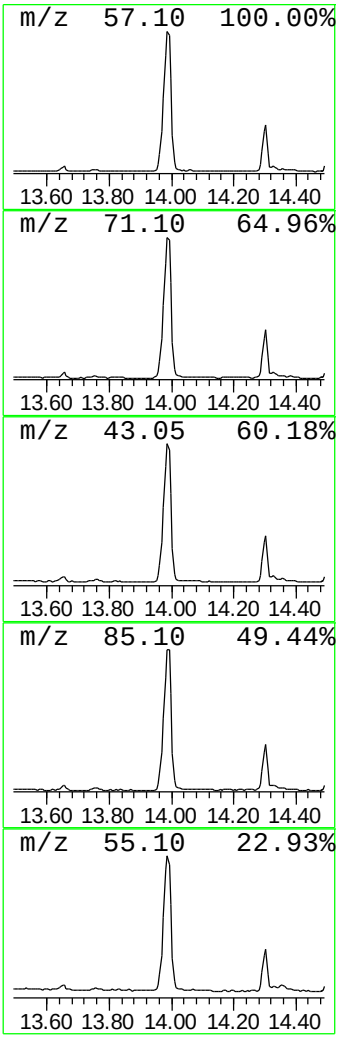
****

Peak Number 11 2-methyloctacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	61.63 ng	9518750	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Hexatriacontane	507	C36H74	000630-06-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

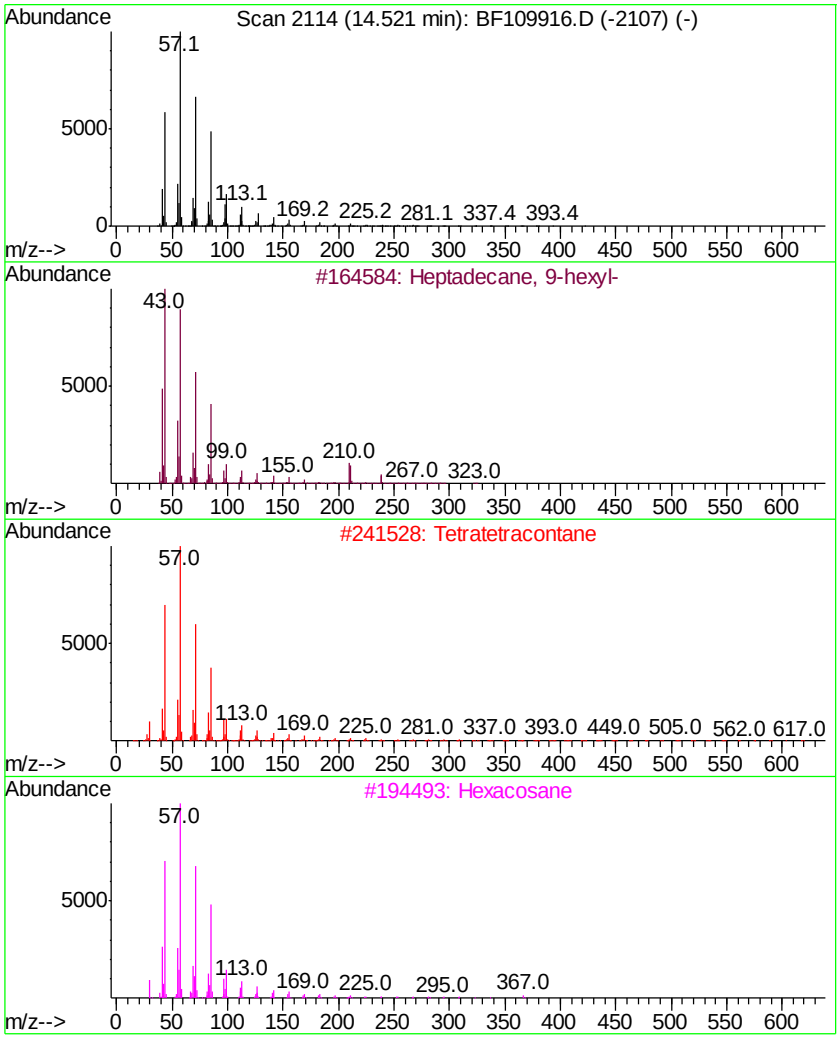
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

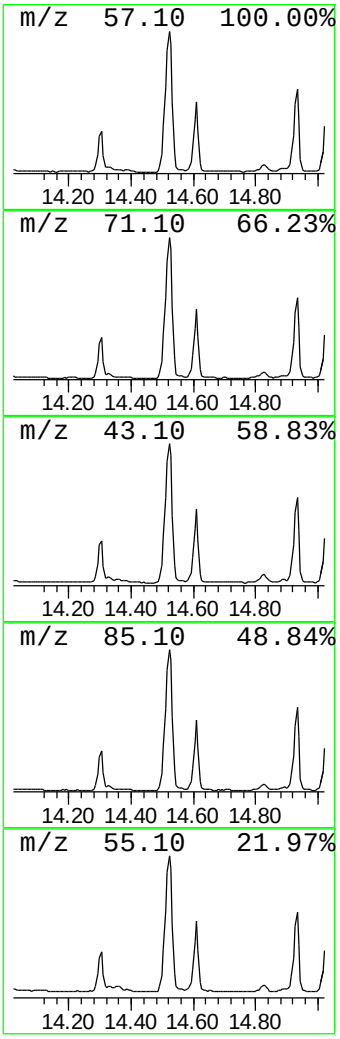
****

Peak Number 13 Heptadecane, 9-hexyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	64.99 ng	10038800	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	94
2	Tetratetracontane	619	C44H90	007098-22-8	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Triacontane	422	C30H62	000638-68-6	91
5	Octacosane	394	C28H58	000630-02-4	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

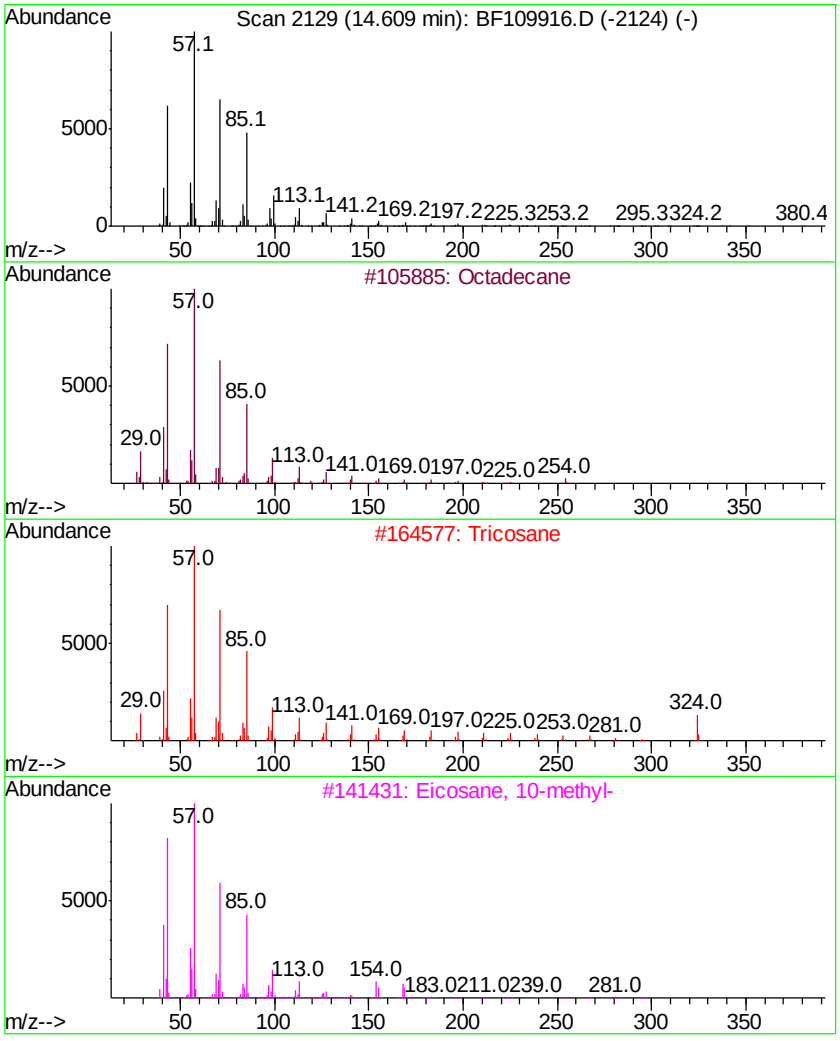
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

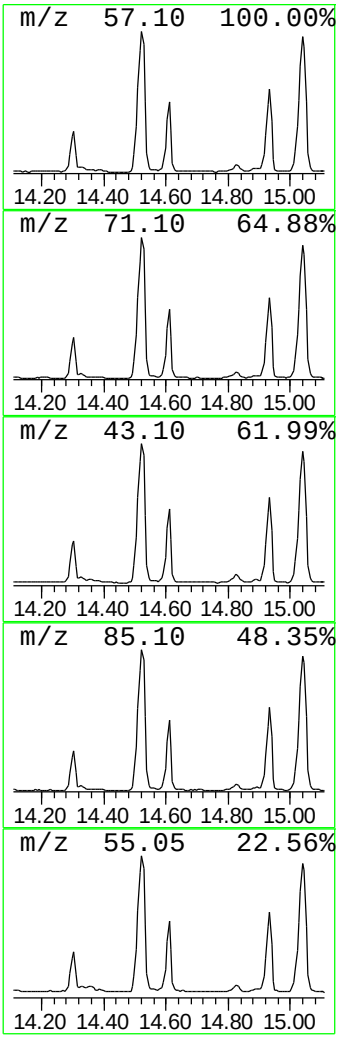
****

Peak Number 14 Octadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	21.20 ng	3275070	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Tricosane	324	C23H48	000638-67-5	93
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
4	Heneicosane	296	C21H44	000629-94-7	91
5	Eicosane	282	C20H42	000112-95-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

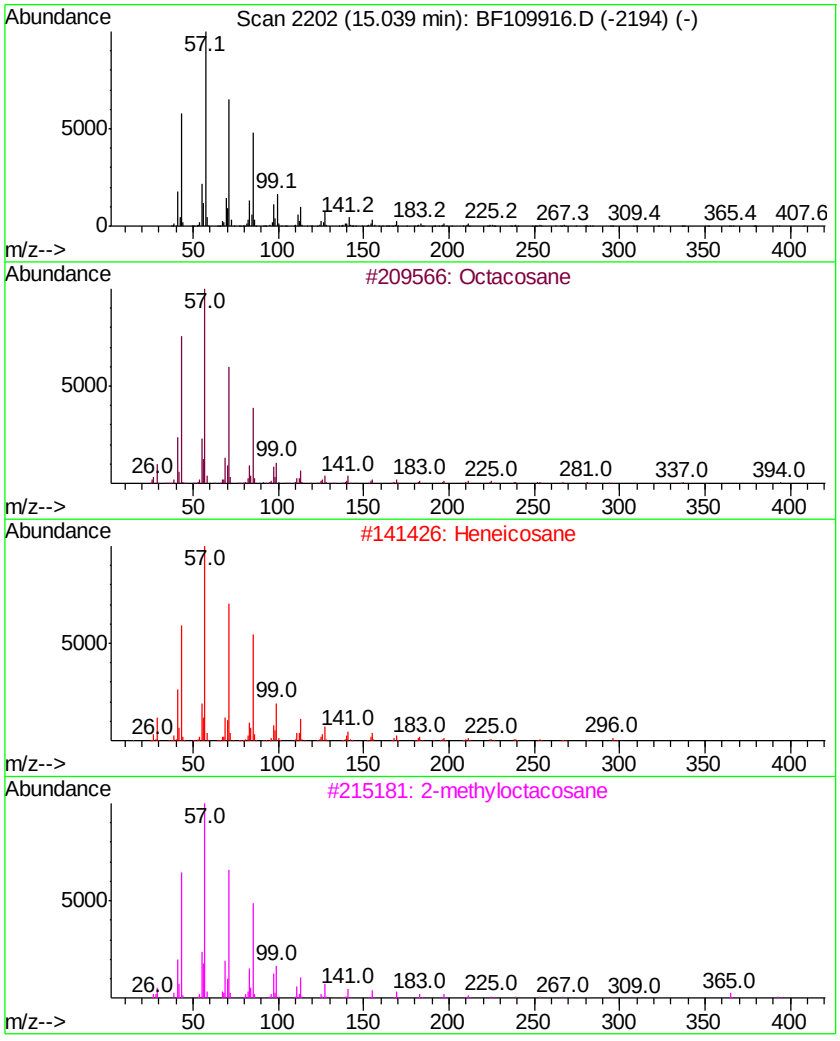
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

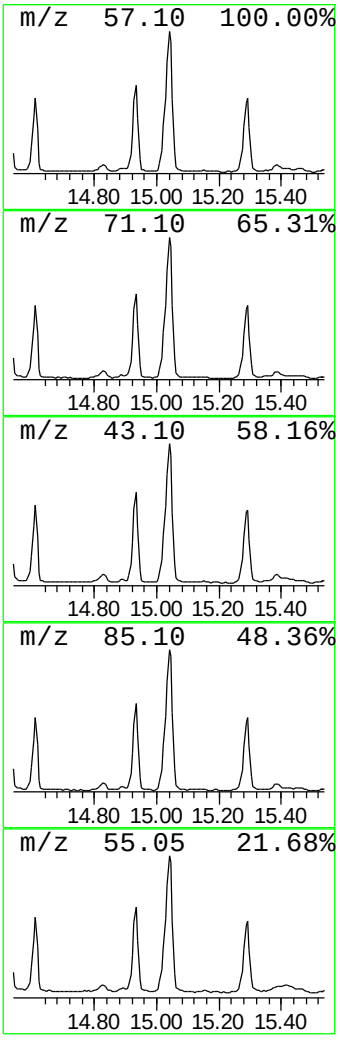
****

Peak Number 16 Octacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	37.70 ng	9770380	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Hexatriacontane	507	C36H74	000630-06-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

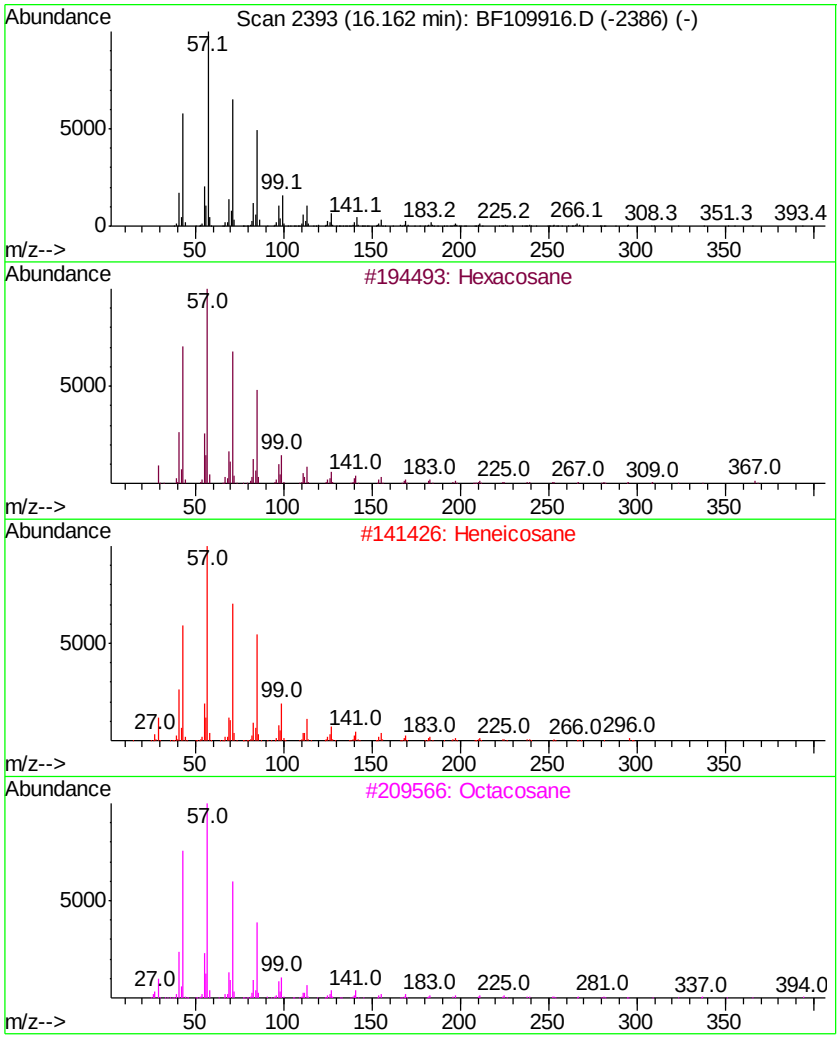
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

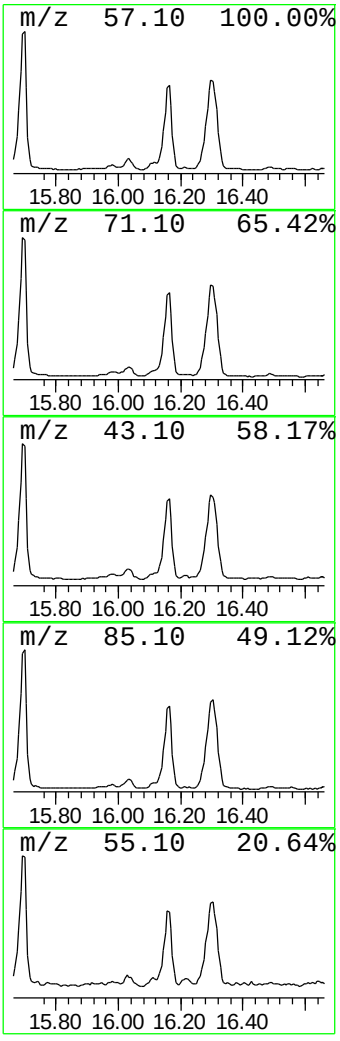
****

Peak Number 17 Hexacosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	8.50 ng	2203720	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Octadecane	254	C18H38	000593-45-3	90
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

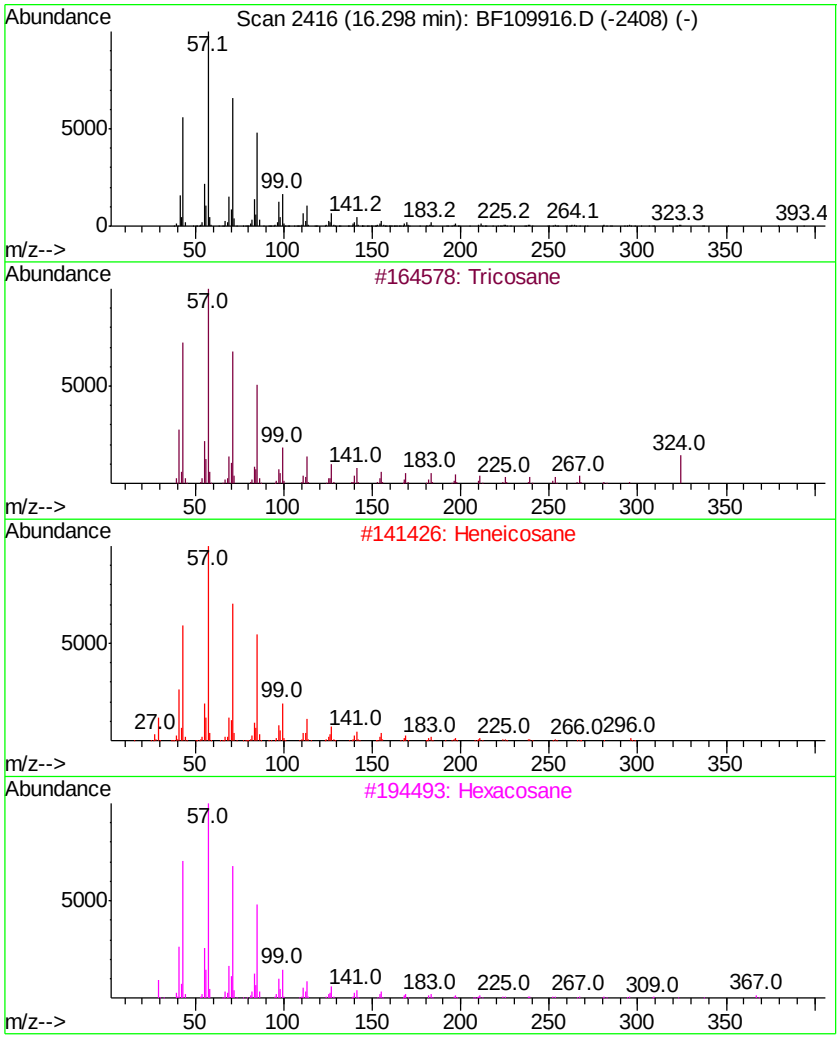
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

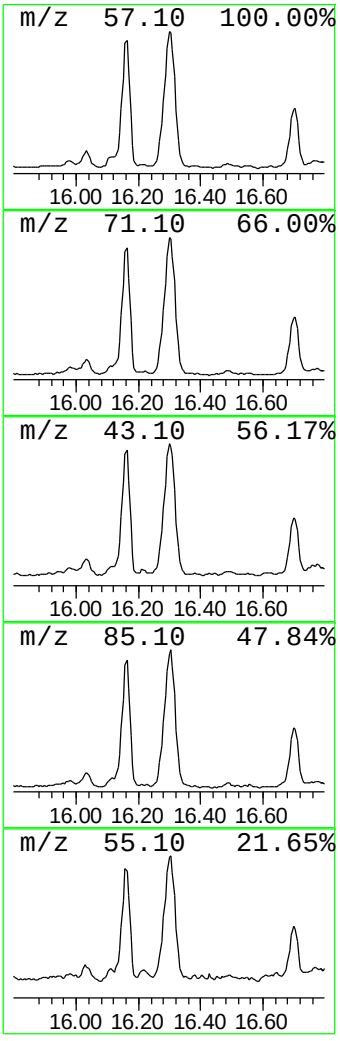
****

Peak Number 18 Tricosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	13.99 ng	3625210	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	95
2	Heneicosane	296	C21H44	000629-94-7	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Triacontane	422	C30H62	000638-68-6	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

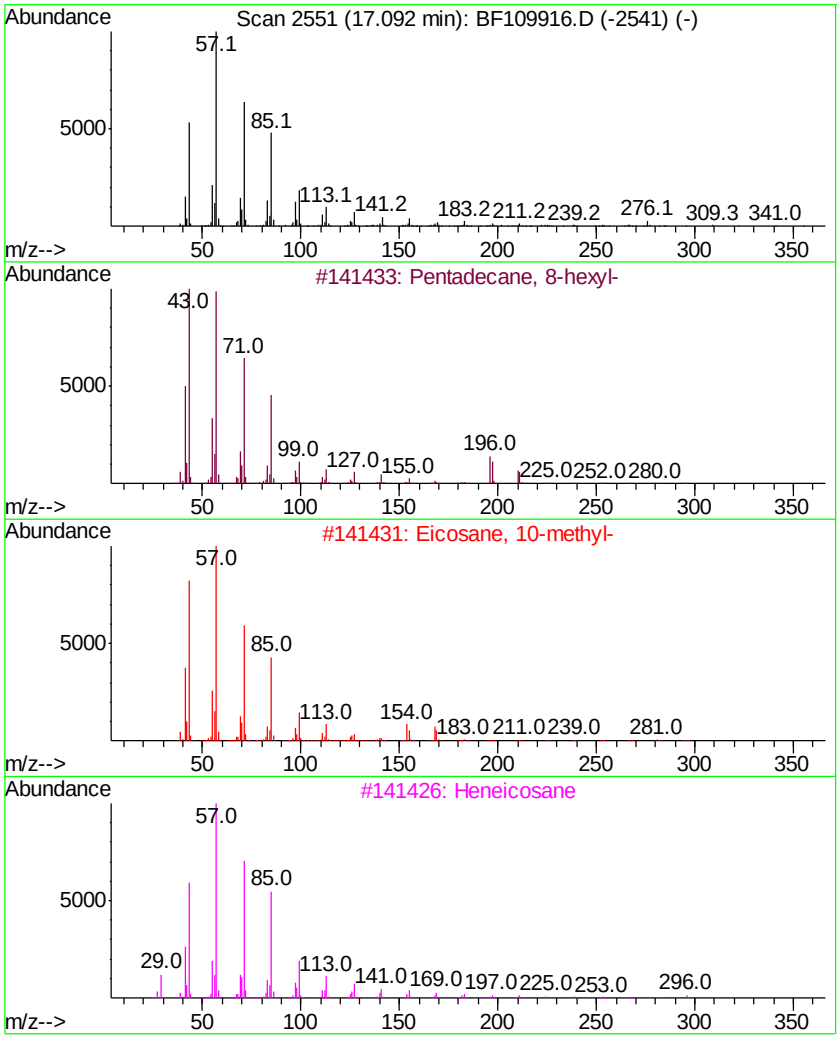
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

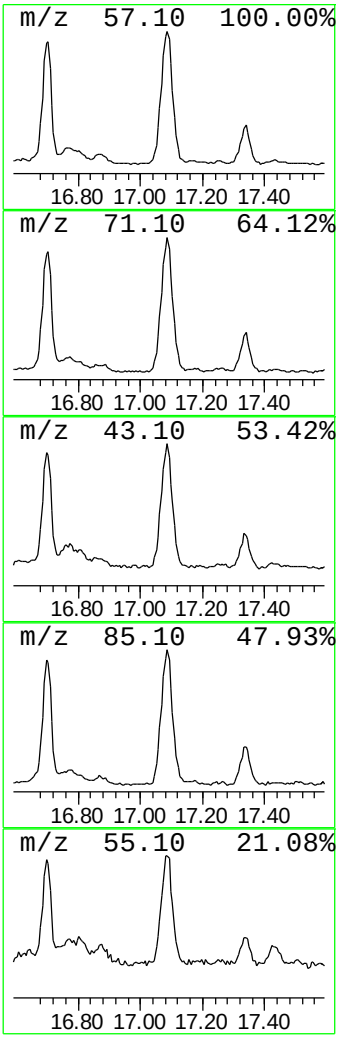
****

Peak Number 19 Pentadecane, 8-hexyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	7.28 ng	1887460	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3	Heneicosane	296	C21H44	000629-94-7	90
4	2-methyloctacosane	408	C29H60	1000376-72-8	90
5	Octacosane	394	C28H58	000630-02-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

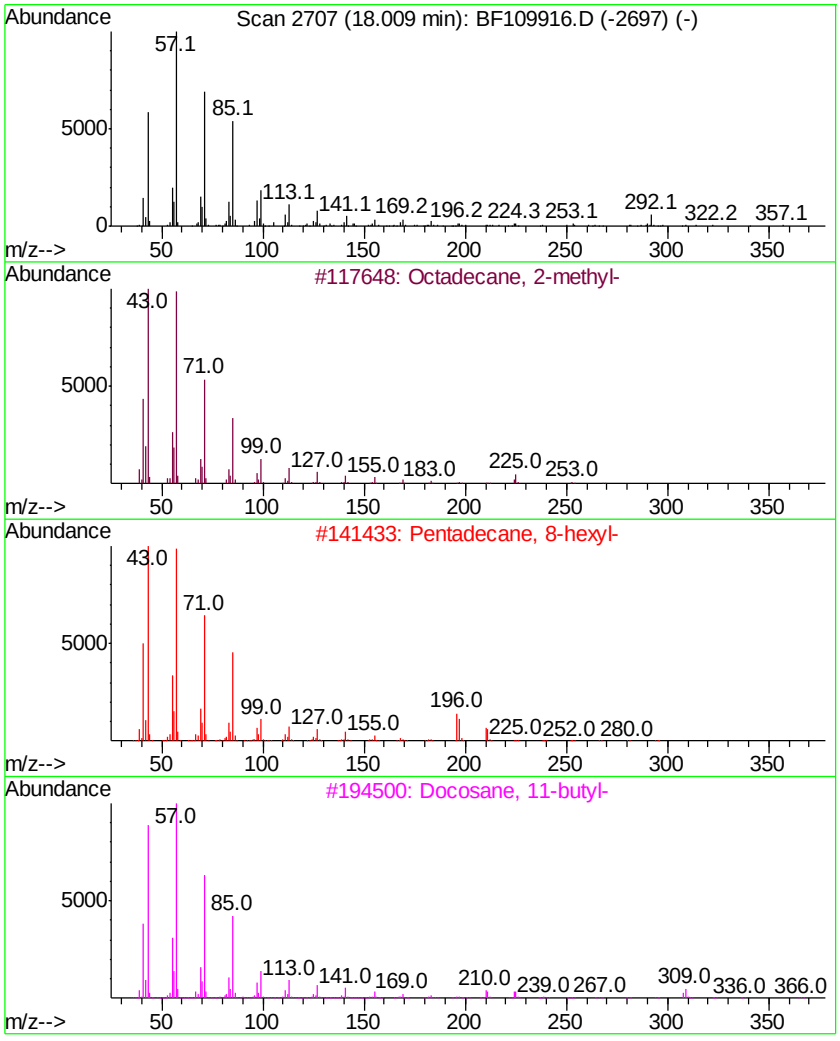
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

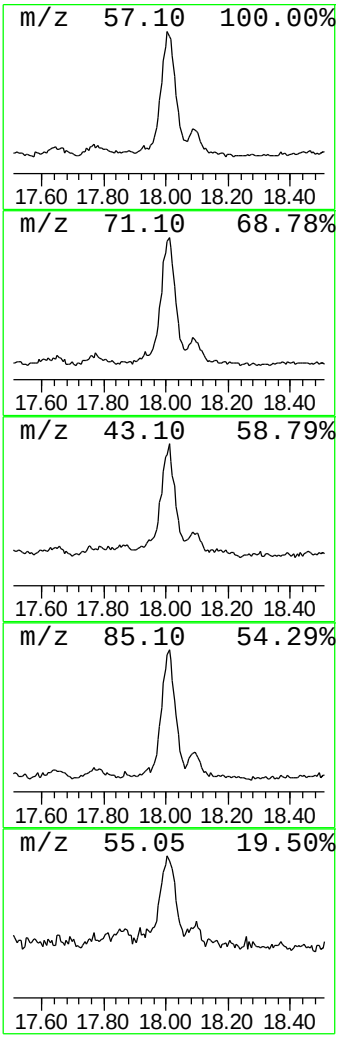
****

Peak Number 20 Octadecane, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	4.54 ng	1177340	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
2	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	87
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	86
5	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101718\
Data File : BF109916.D
Acq On : 17 Oct 2018 11:31
Operator : JU/SJ
Sample : J5540-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MOSAIC-FRAC-TANK-101518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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
Butane, 2-methoxy...	2.30	42.0	ng	3408020	1	6.98	1623120	20.0
unknown6.75	6.75	51.8	ng	4203410	1	6.98	1623120	20.0
Naphthalene, 2,3-...	9.67	4.4	ng	532500	3	10.02	2402950	20.0
n-Hexadecanoic acid	12.04	94.4	ng	12350300	4	11.52	2617490	20.0
Phenanthrene, 2-m...	12.09	4.5	ng	588593	4	11.52	2617490	20.0
4H-Cyclopenta[def...	12.13	8.6	ng	1119380	4	11.52	2617490	20.0
Heneicosane	12.49	27.4	ng	3588190	4	11.52	2617490	20.0
Octadecanoic acid	12.82	90.1	ng	11796000	4	11.52	2617490	20.0
2-methyloctacosane	13.99	61.6	ng	9518750	5	14.16	3089190	20.0
Heptadecane, 9-he...	14.52	65.0	ng	10038800	5	14.16	3089190	20.0
Octadecane	14.61	21.2	ng	3275070	5	14.16	3089190	20.0
Octacosane	15.04	37.7	ng	9770380	6	15.69	5183640	20.0
Hexacosane	16.16	8.5	ng	2203720	6	15.69	5183640	20.0
Tricosane	16.30	14.0	ng	3625210	6	15.69	5183640	20.0
Pentadecane, 8-he...	17.09	7.3	ng	1887460	6	15.69	5183640	20.0
Octadecane, 2-met...	18.01	4.5	ng	1177340	6	15.69	5183640	20.0