LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101956.D
Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

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:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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	5.316	545	549	552	rBV	1406725	1245954	3.31%	0.663%
2	6.345	720	724	727	rVB	1442238	1239828	3.29%	0.659%
3	6.486	744	748	752	rVB	1577560	1338503	3.56%	0.712%
4	6.728	784	789	796	rVV	1541720	1589965	4.22%	0.846%
5	6.881	811	815	818	rBV	1225997	1114011	2.96%	0.593%
6	7.045	839	843	845	rBV2	378301	437456	1.16%	0.233%
7	7.116	852	855	859	rBV2	457380	445637	1.18%	0.237%
8	7.263	875	880	881	rVV	406883	408960	1.09%	0.218%
9	7.286	881	884	886	rVV	928624	902189	2.40%	0.480%
10	7.328	888	891	894	rVV	1905608	1439333	3.82%	0.766%
11	7.375	894	899	902	rVB5	370726	518211	1.38%	0.276%
12	7.533	921	926	929	rVB3	557365	736798	1.96%	0.392%
13	7.698	950	954	956	rVB3	476306	591973	1.57%	0.315%
14	7.728	956	959	961	rBV3	556288	582252	1.55%	0.310%
15	7.745	961	962	964	rVV2	535911	421400	1.12%	0.224%
16	7.763	964	965	970	rVV3	602868	662191	1.76%	0.352%
17	7.810	970	973	975	rVV2	380496	409387	1.09%	0.218%
18	7.969	994	1000	1001	rBV3	364187	514003	1.37%	0.273%
19	7.998	1001	1005	1009	rVV2	3429857	4277632	11.36%	2.275%
20	8.075	1016	1018	1020	rVB	829152	608610	1.62%	0.324%
21	8.180	1030	1036	1038	rBV5	323805	526184	1.40%	0.280%
22	8.210	1038	1041	1044	rVB2	507489	539218	1.43%	0.287%
23	8.251	1044	1048	1052	rBV4	281709	434885	1.16%	0.231%
24	8.304	1052	1057	1060	rBV5	717170	1108783	2.95%	0.590%
25	8.363	1064	1067	1069	rBV3	675947	648633	1.72%	0.345%
26	8.392	1069	1072	1075	rBV2	978483	839723	2.23%	0.447%
27	8.433	1075	1079	1081	rBV3	993518	939531	2.50%	0.500%
28	8.516	1089	1093	1096	rBV2	1018649	970115	2.58%	0.516%
29	8.610	1104	1109	1112	rBV	3219564	3066802	8.15%	1.631%
30	8.669	1116	1119	1121	rVV	568019	519707	1.38%	0.276%
31	8.704	1121	1125	1127	rVB3	414340	424469	1.13%	0.226%
32	8.833	1140	1147	1152	rVV4	869406	1245242	3.31%	0.662%
33	8.886	1154	1156	1158	rVV3	599796	582576	1.55%	0.310%
34	8.910	1158	1160	1163	rVV3	392538	551938	1.47%	0.294%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101956.D
Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

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:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.969	1168	1170	1173	rVB	772980	669024	1.78%	0.356%
36	9.010	1174	1177	1179	rVV2	581489	496967	1.32%	0.264%
37	9.033	1179	1181	1186	rVV2	905101	976928	2.60%	0.520%
38	9.086	1187	1190	1194	rVB2	1352635	1140256	3.03%	0.606%
39	9.175	1201	1205	1209	rVV	3559073	3283717	8.72%	1.747%
40	9.233	1213	1215	1221	rVV4	560149	720336	1.91%	0.383%
41	9.351	1229	1235	1239	rVB4	749089	1018853	2.71%	0.542%
42	9.422	1245	1247	1249	rVV2	550742	571930	1.52%	0.304%
43	9.445	1249	1251	1253	rVV2	604711	475648	1.26%	0.253%
44	9.492	1253	1259	1261	rVV4	1039685	1518857	4.04%	0.808%
45	9.510	1261	1262	1265	rVV2	825953	632851	1.68%	0.337%
46	9.545	1265	1268	1271	rVB3	647837	636115	1.69%	0.338%
47	9.704	1292	1295	1298	rVB	3361305	2773506	7.37%	1.475%
48	9.739	1298	1301	1302	rBV2	453707	399764	1.06%	0.213%
49	9.763	1302	1305	1308	rVB	1726132	1476942	3.92%	0.786%
50	9.927	1330	1333	1336	rBV2	440813	660528	1.75%	0.351%
51	9.957	1336	1338	1341	rVV2	460046	461062	1.22%	0.245%
52	10.022	1345	1349	1352	rVV4	744898	805756	2.14%	0.429%
53	10.198	1372	1379	1382	rBV	3238794	3006181	7.99%	1.599%
54	10.416	1410	1416	1419	rBV	1011625	1397326	3.71%	0.743%
55	10.469	1423	1425	1428	rVB2	412468	400627	1.06%	0.213%
56	10.504	1428	1431	1434	rBV2	443291	471906	1.25%	0.251%
57	10.539	1434	1437	1442	rVB2	874874	855899	2.27%	0.455%
58	10.674	1456	1460	1467	rBV	2843535	3262076	8.67%	1.735%
59	10.992	1512	1514	1520	rVB2	296114	393648	1.05%	0.209%
60	11.121	1532	1536	1538	rBV	2277209	1968711	5.23%	1.047%
61	11.151	1538	1541	1547	rVB	920092	984638	2.62%	0.524%
62	11.245	1554	1557	1559	rBV	1135500	1021890	2.71%	0.544%
63	11.545	1605	1608	1611	rBV	1869102	1646568	4.37%	0.876%
64	11.663	1622	1628	1631	rVB	9787704	15758255	41.87%	8.382%
65	11.798	1645	1651	1656	rBV2	1784352	2243963	5.96%	1.194%
66	11.951	1673	1677	1685	rVB2	1456411	1885538	5.01%	1.003%
67	12.051	1691	1694	1699	rVV	518594	455695	1.21%	0.242%
68	12.274	1729	1732	1734	rBV	341769	400622	1.06%	0.213%
69	12.380	1738	1750	1752	rBV5	10211925	37640016	100.00%	20.020%
70	12.427	1757	1758	1759	rVV	970716	516094	1.37%	0.275%
71	12.457	1759	1763	1766	rVV	8496776	8811739	23.41%	4.687%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101956.D
Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

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:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.504	1766	1771	1772	rVV	4842747	7671855	20.38%	4.081%
73	12.521	1772	1774	1779	rVV	5887116	7974683	21.19%	4.242%
74	12.580	1782	1784	1789	rVV	1622556	1700672	4.52%	0.905%
75	12.627	1789	1792	1795	rVB	389332	449582	1.19%	0.239%
76	12.680	1798	1801	1805	rVV2	2498923	2552240	6.78%	1.358%
77	12.715	1805	1807	1814	rVB2	935339	1109759	2.95%	0.590%
78	12.798	1818	1821	1822	rBV2	391426	409031	1.09%	0.218%
79	12.839	1825	1828	1832	rVB	897040	755619	2.01%	0.402%
80	13.004	1853	1856	1858	rBV	2956133	2924007	7.77%	1.555%
81	13.074	1865	1868	1869	rBV	1367452	1122938	2.98%	0.597%
82	13.092	1869	1871	1878	rVB	2301087	2329380	6.19%	1.239%
83	13.168	1879	1884	1886	rBV	2173742	2713245	7.21%	1.443%
84	13.192	1886	1888	1892	rVB3	2268532	2156740	5.73%	1.147%
85	13.233	1892	1895	1897	rBV2	2494704	2145937	5.70%	1.141%
86	13.257	1897	1899	1901	rVB3	523295	386130	1.03%	0.205%
87	13.333	1906	1912	1915	rVV5	1051268	1637566	4.35%	0.871%
88	13.374	1916	1919	1923	rVB3	1540671	1700330	4.52%	0.904%
89	13.415	1923	1926	1929	rVB	534504	523689	1.39%	0.279%
90	13.498	1936	1940	1943	rVB3	434868	605094	1.61%	0.322%
91	13.592	1952	1956	1959	rVB2	785103	1010865	2.69%	0.538%
92	13.833	1995	1997	2001	rVB	1385501	1171022	3.11%	0.623%
93	13.880	2001	2005	2008	rBV	1268580	1313547	3.49%	0.699%
94	14.215	2059	2062	2066	rVB	548681	515490	1.37%	0.274%
95	14.345	2080	2084	2093	rBV3	1300686	2234824	5.94%	1.189%
96	14.451	2099	2102	2107	rBV2	613298	662696	1.76%	0.352%
97	14.662	2135	2138	2144	rBV2	328050	418996	1.11%	0.223%
98	14.774	2152	2157	2166	rBV	3087839	4824749	12.82%	2.566%
99	14.986	2190	2193	2197	rVB	347571	398380	1.06%	0.212%
100	15.298	2242	2246	2249	rBV	782278	868225	2.31%	0.462%

Sum of corrected areas: 188009822

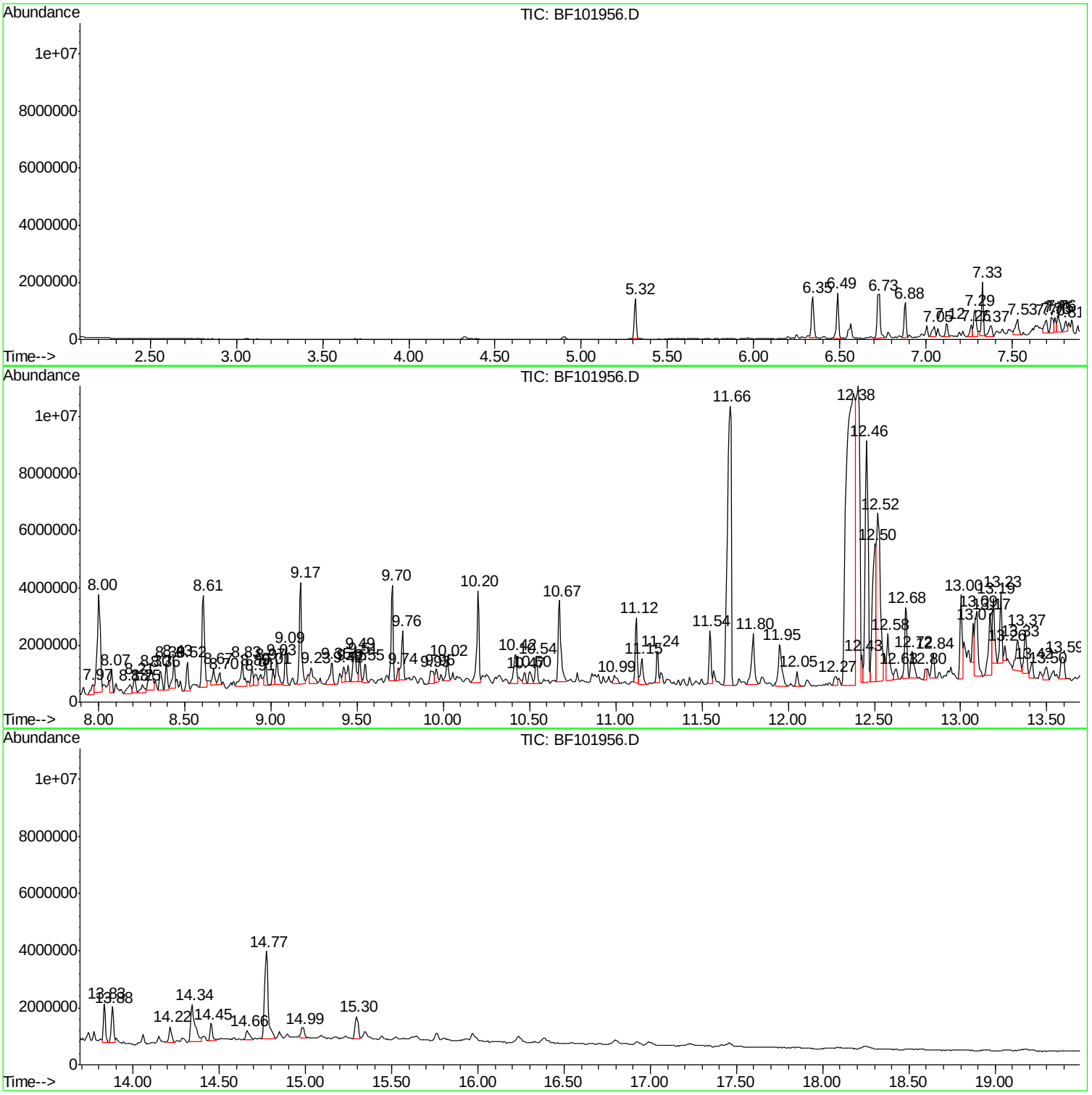
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101956.D
Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101956.D
Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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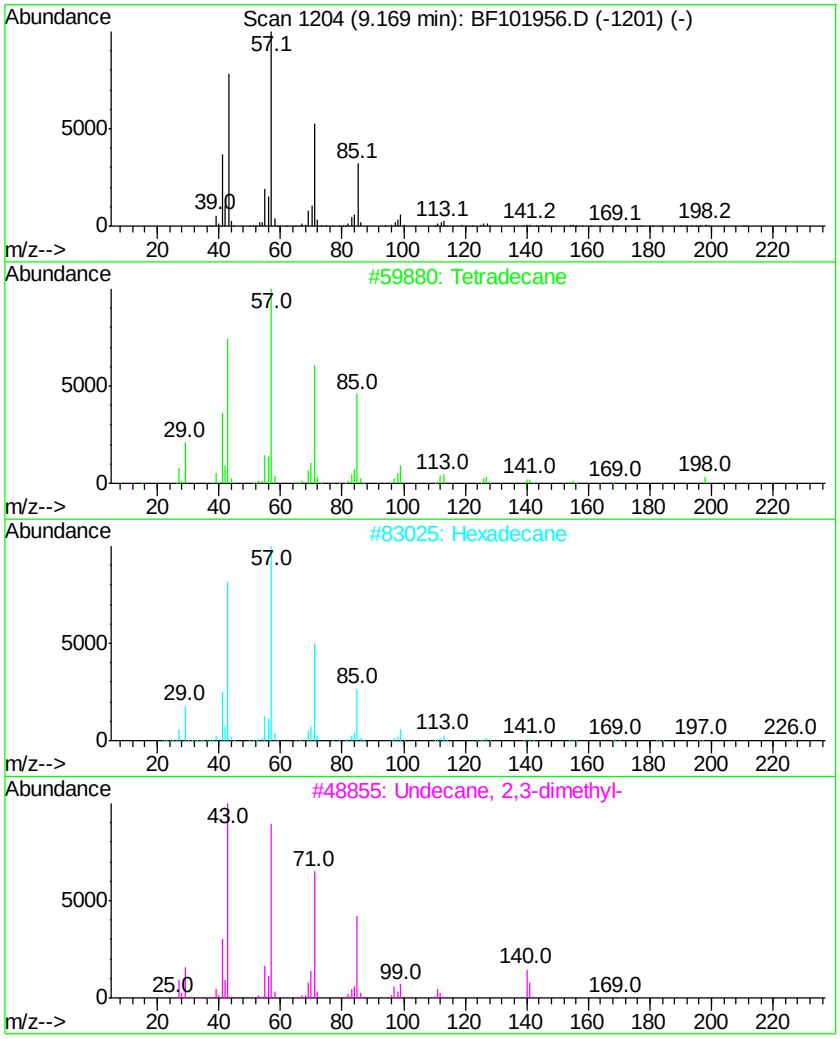
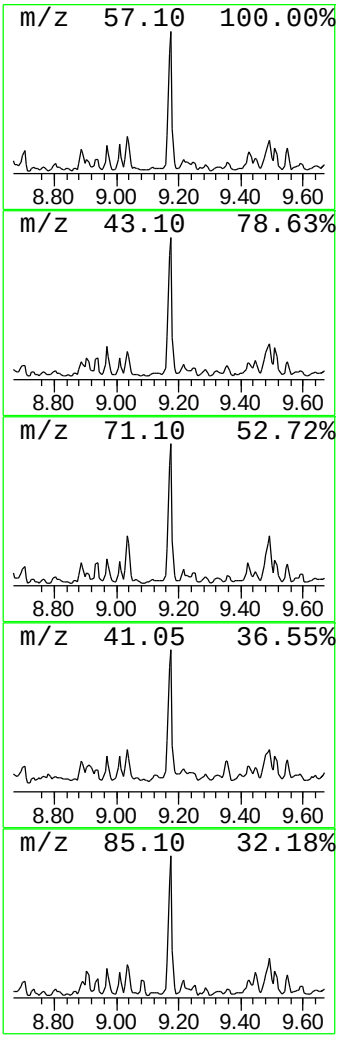
Peak Number 1 Tetradecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	44.47 ng	3283720	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Hexadecane	226	C16H34	000544-76-3	91
3	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	83
4	Tridecane	184	C13H28	000629-50-5	78
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101956.D
Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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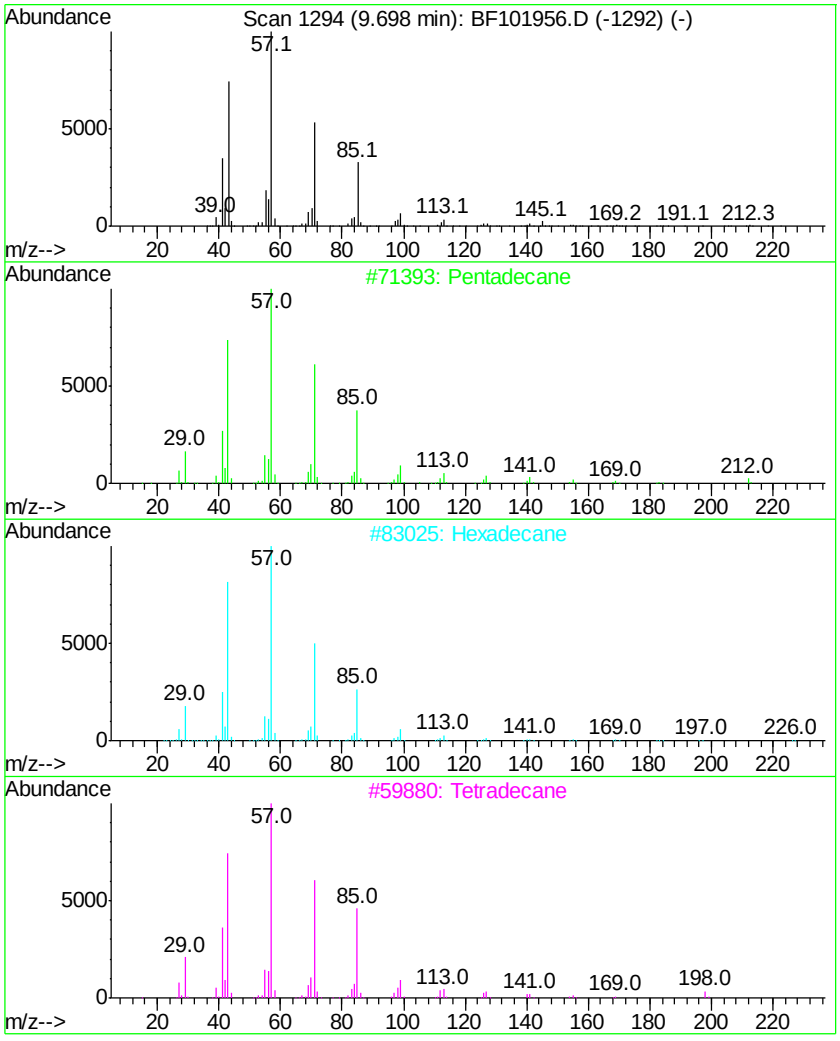
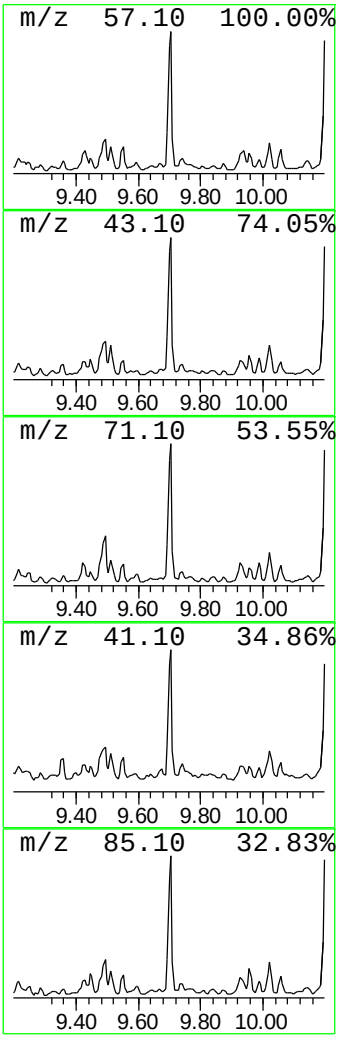
Peak Number 2 Pentadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	37.56 ng	2773510	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tetradecane	198	C14H30	000629-59-4	90
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	80
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101956.D
Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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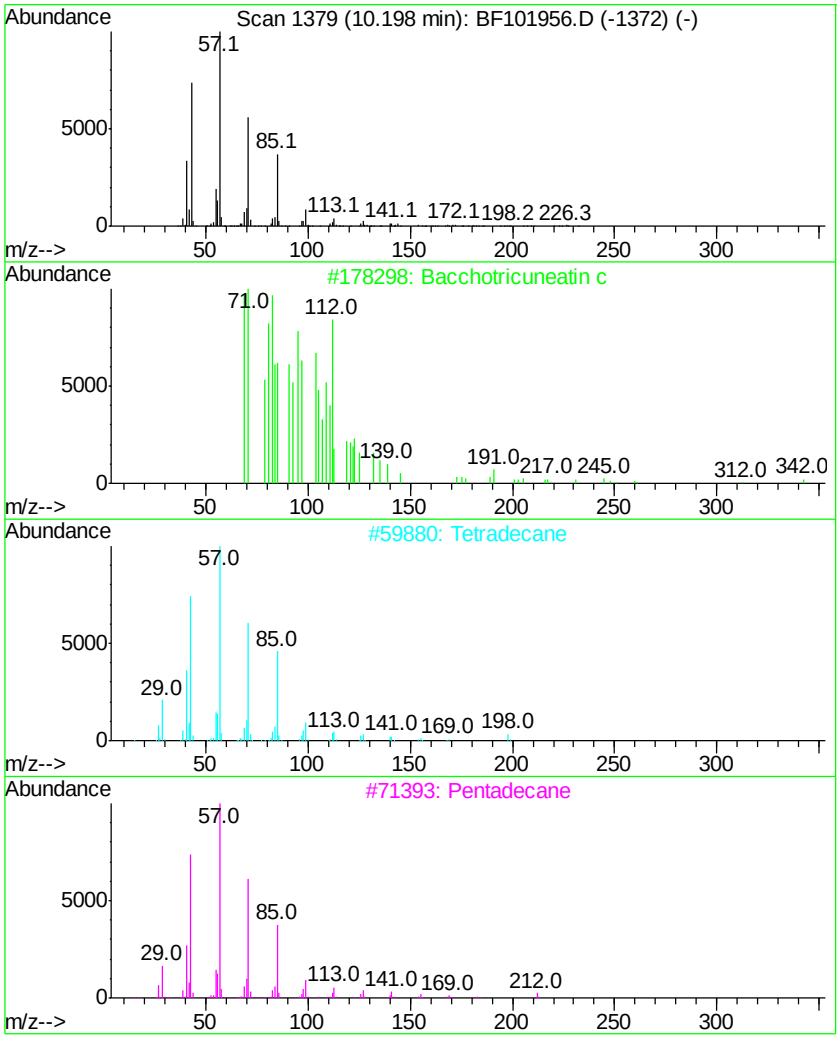
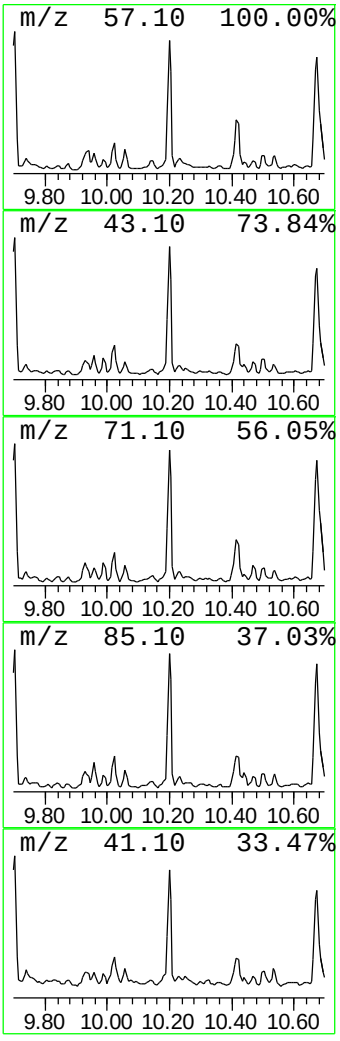
Peak Number 3 Bacchotricuneatin c Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	40.71 ng	3006180	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	98
2	Tetradecane	198	C14H30	000629-59-4	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Tridecane	184	C13H28	000629-50-5	90
5	Hexadecane	226	C16H34	000544-76-3	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101956.D
Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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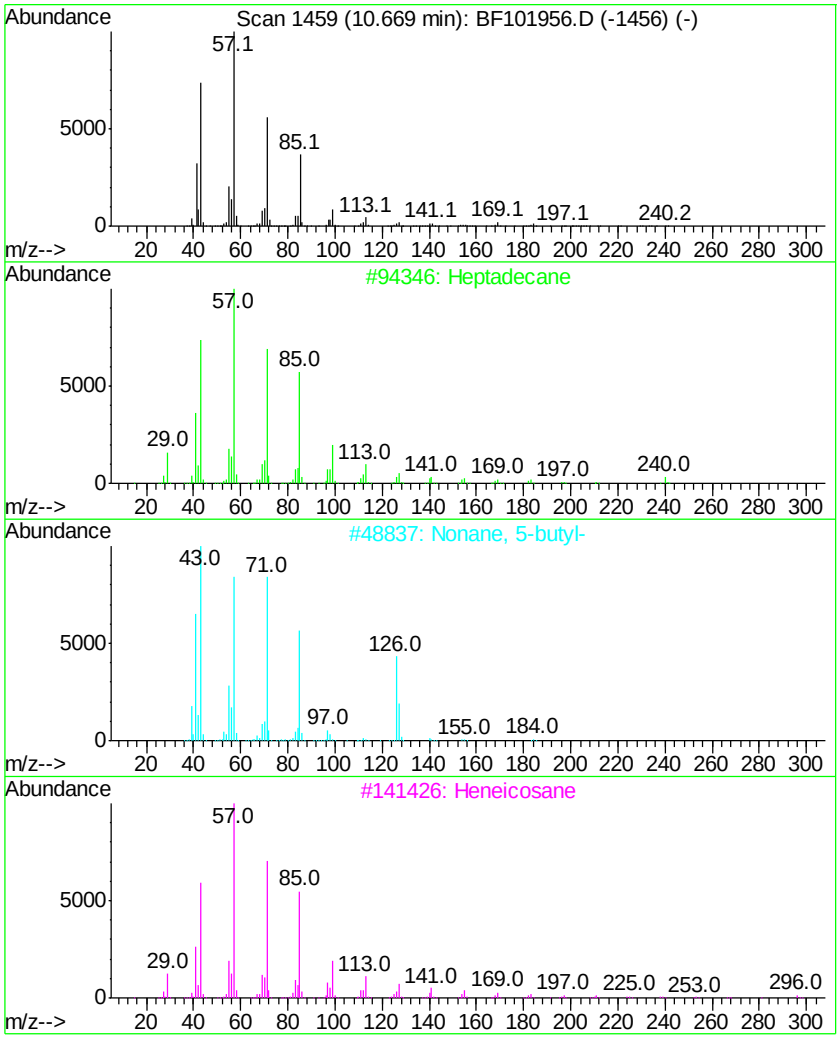
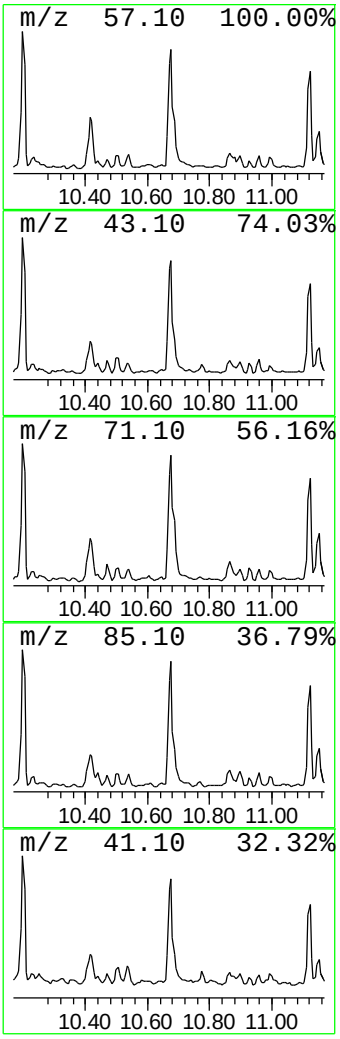
Peak Number 4 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	63.84 ng	3262080	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Nonane, 5-butyl-	184	C13H28	017312-63-9	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Pentadecane	212	C15H32	000629-62-9	90
5	Tridecane	184	C13H28	000629-50-5	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101956.D
Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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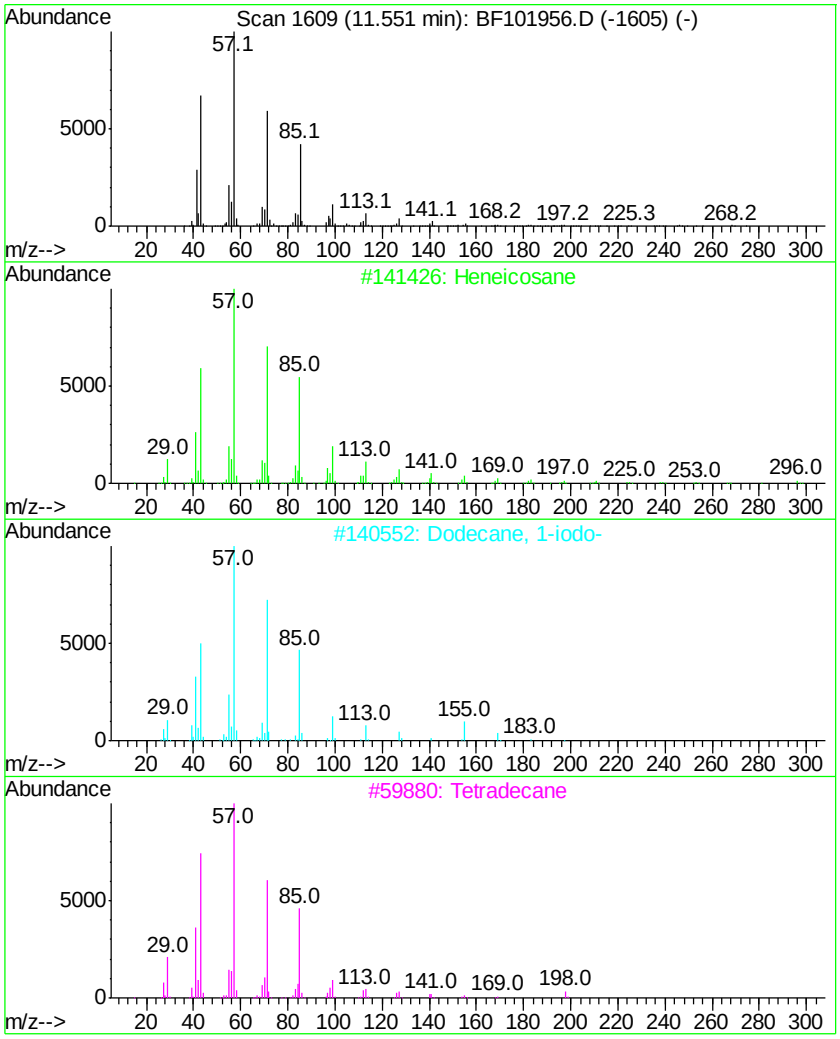
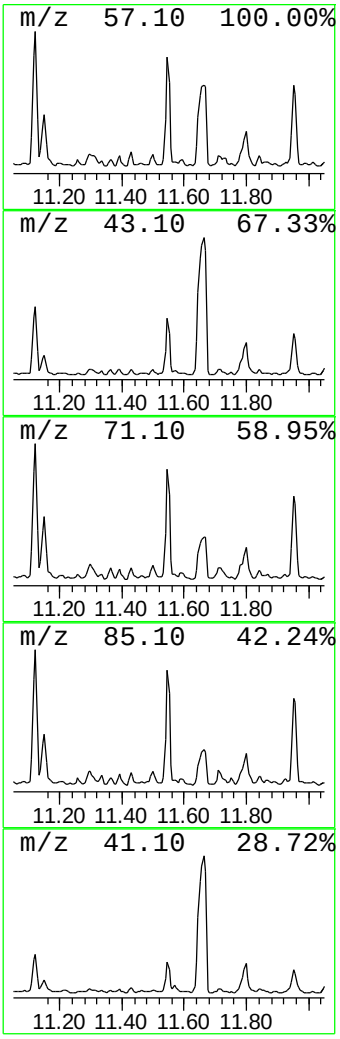
Peak Number 6 Heneicosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	32.23 ng	1646570	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
3	Tetradecane	198	C14H30	000629-59-4	86
4	Octadecane	254	C18H38	000593-45-3	86
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101956.D
Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

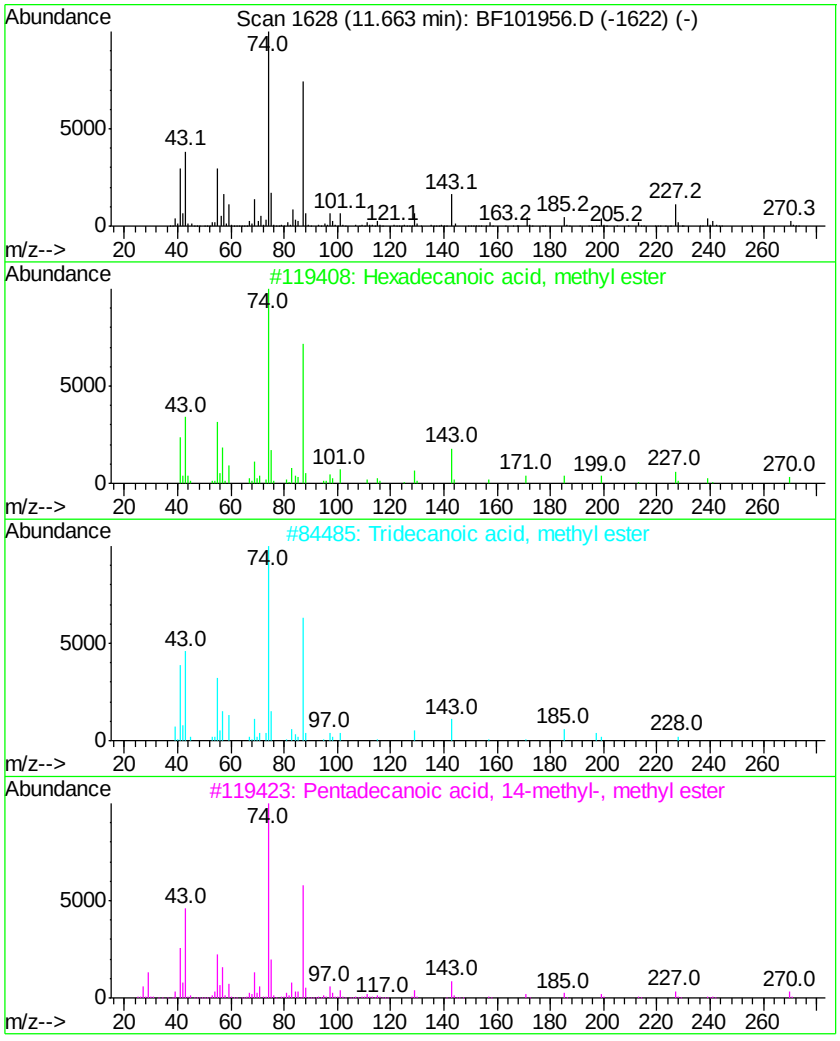
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

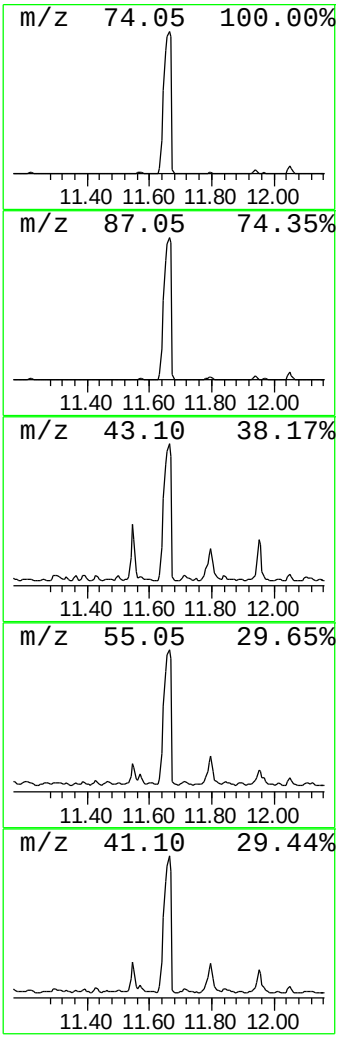
****

Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	308.41 ng	15758300	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	98
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	83





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Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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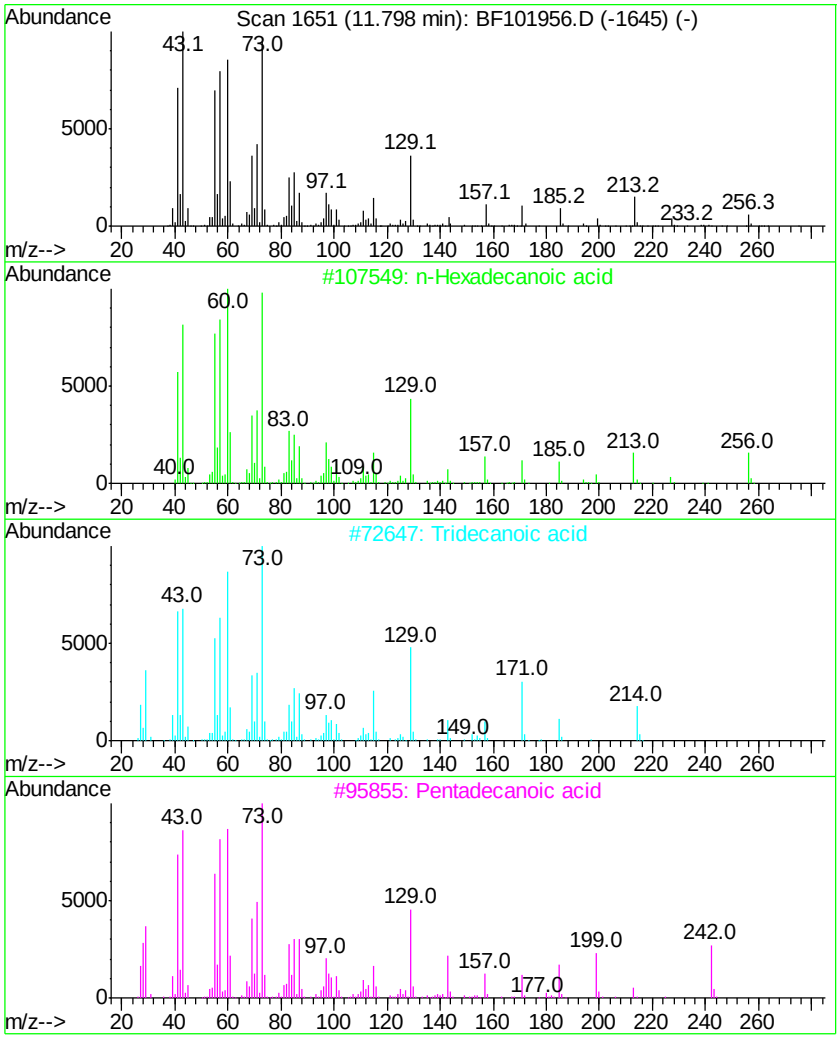
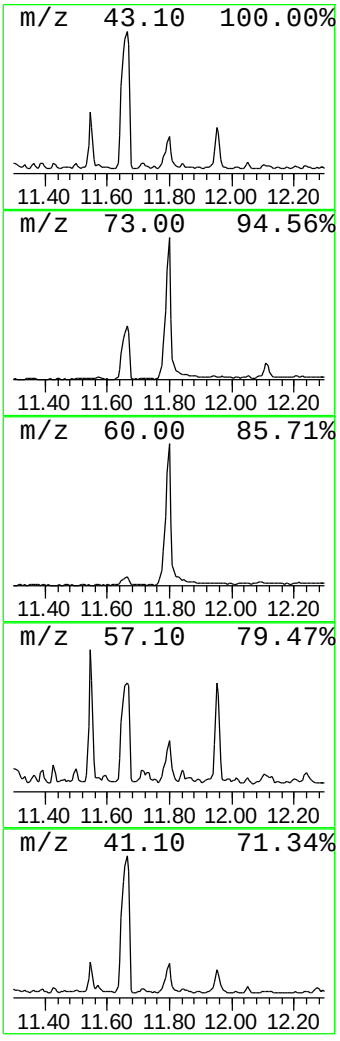
Peak Number 8 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	43.92 ng	2243960	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	76
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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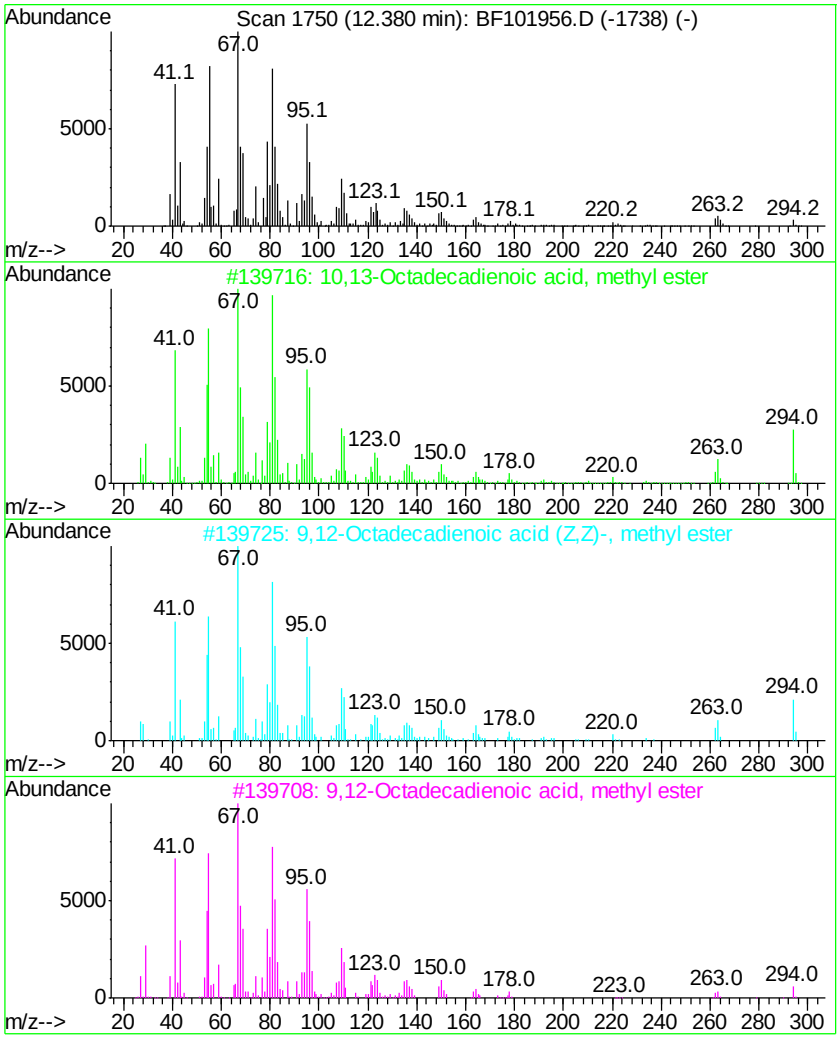
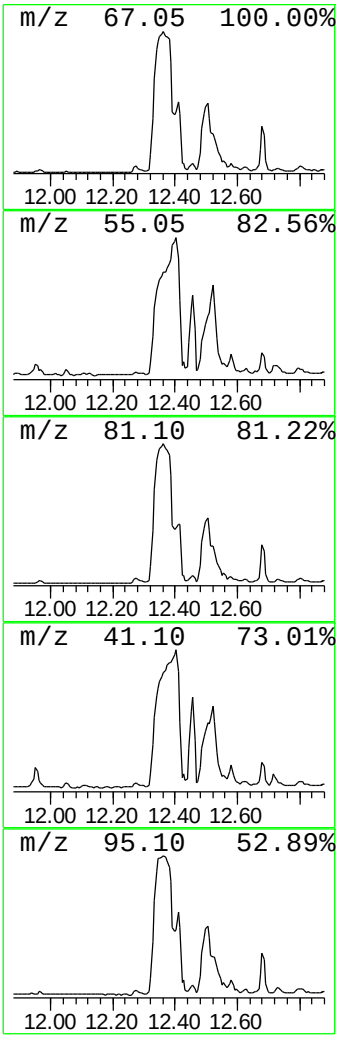
Peak Number 10 10,13-Octadecadienoic acid,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	736.68 ng	37640000	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
5	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	98





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Sample : J1022-04 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
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TIC Library : C:\DATABASE\NIST11.L
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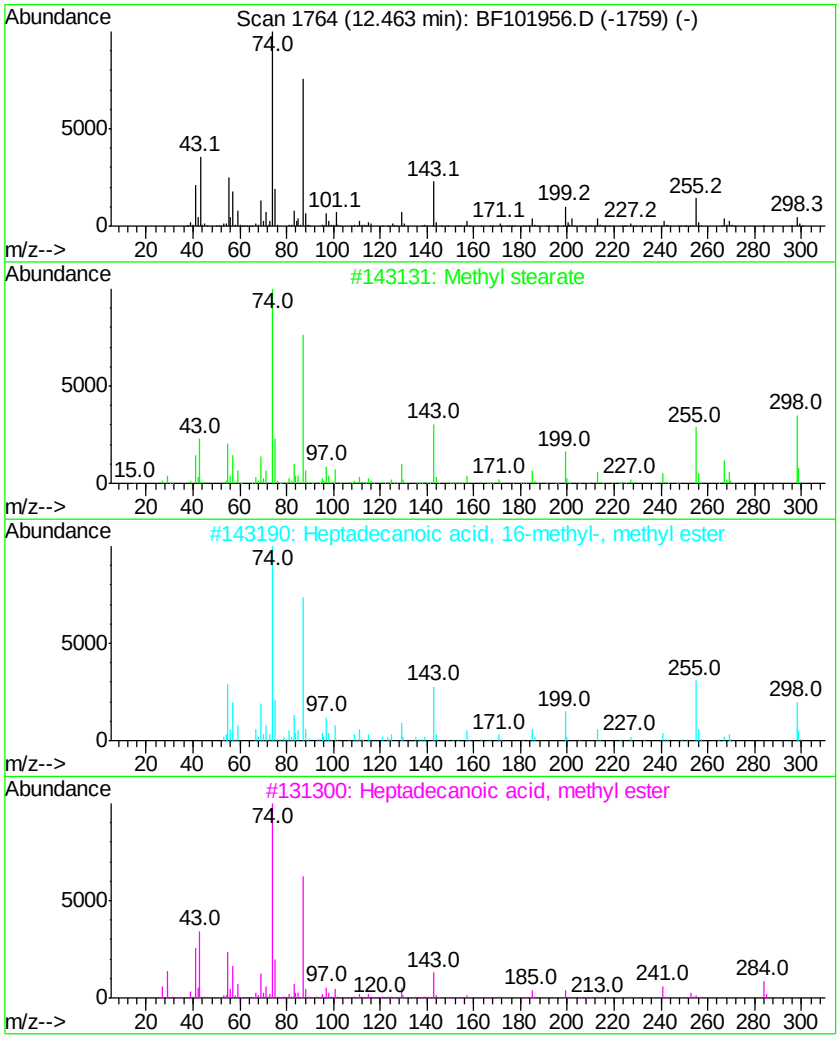
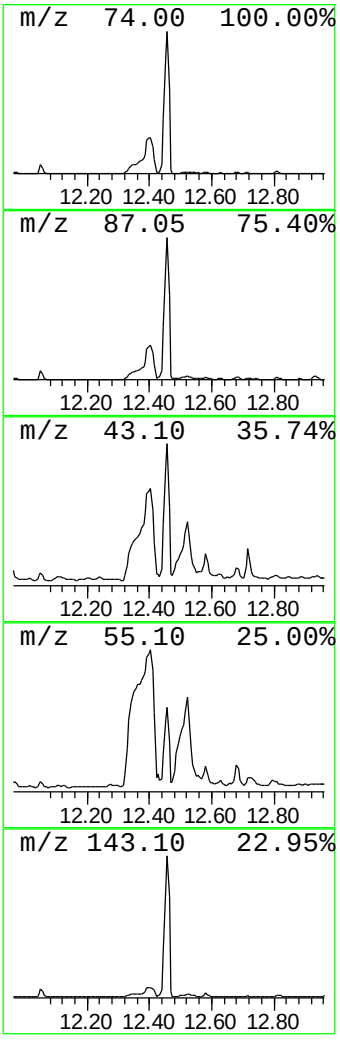
Peak Number 11 Methyl stearate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	172.46 ng	8811740	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	93
3	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	87
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86





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Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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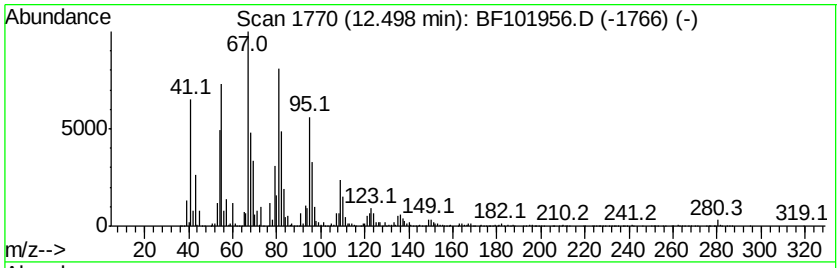
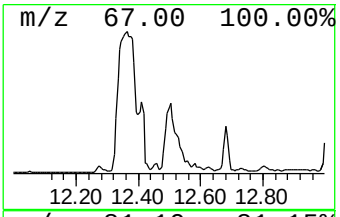
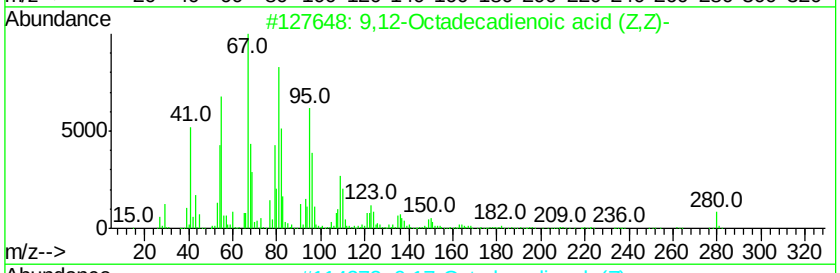
Peak Number 12 9,12-Octadecadienoic acid (... Concentration Rank 5

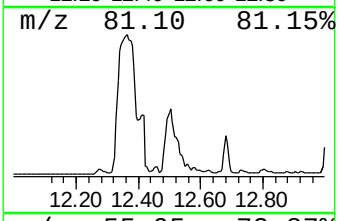
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	150.15 ng	7671860	Phenanthrene-d10	11.24

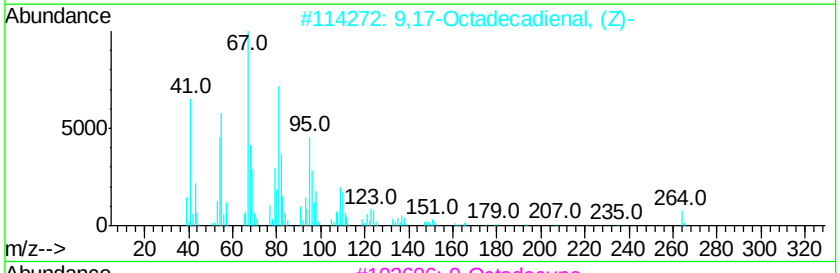
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	99
2	9,17-Octadecadienal, (Z)-	264	C18H32O	056554-35-9	93
3	9-Octadecyne	250	C18H34	035365-59-4	90
4	7-Hexadecyne	222	C16H30	074685-28-2	90
5	Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	90

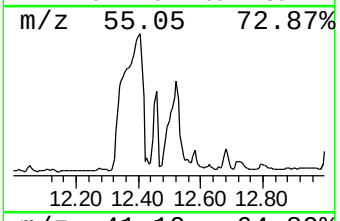


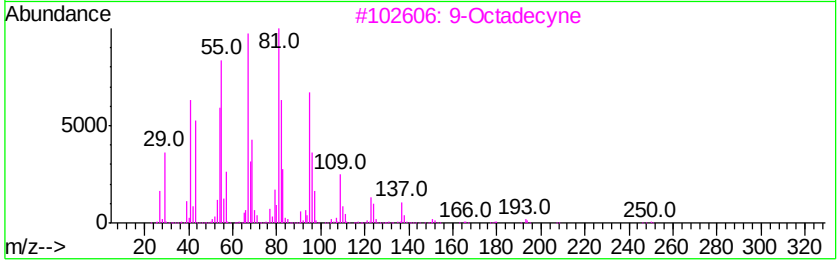


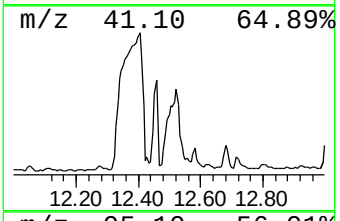


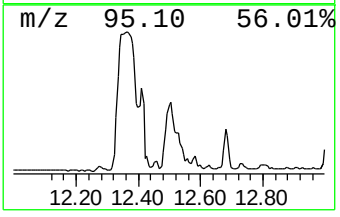












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Data File : BF101956.D
Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

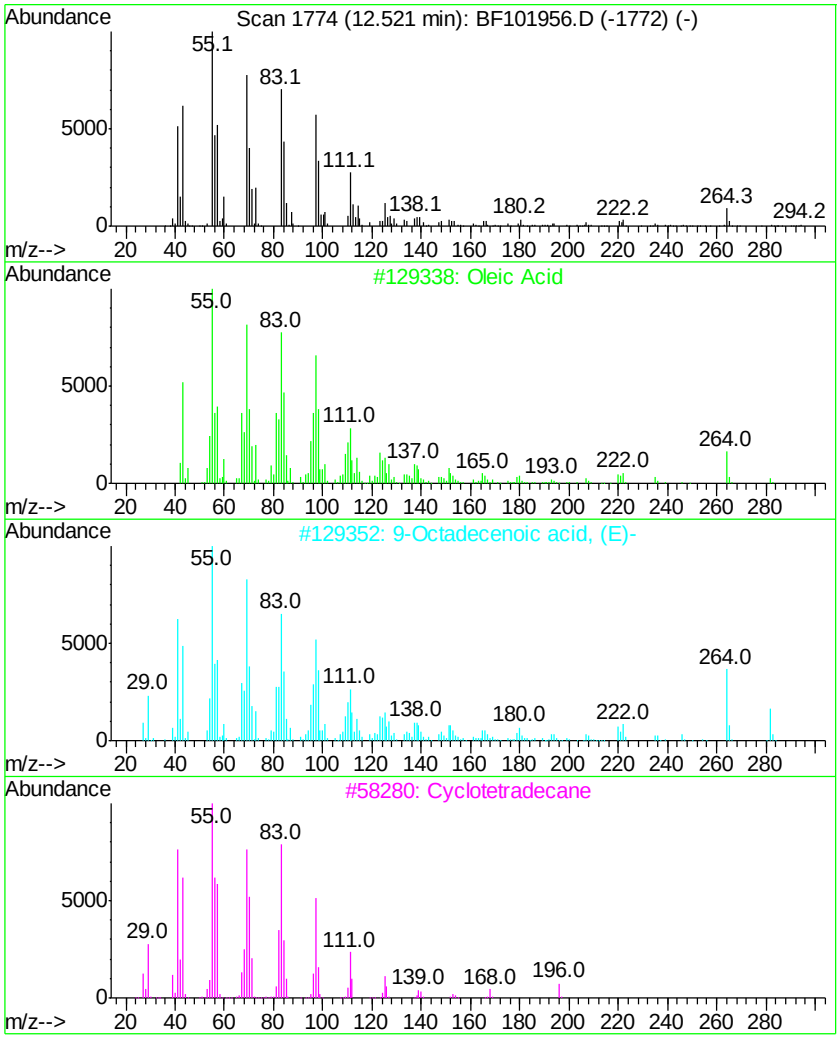
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

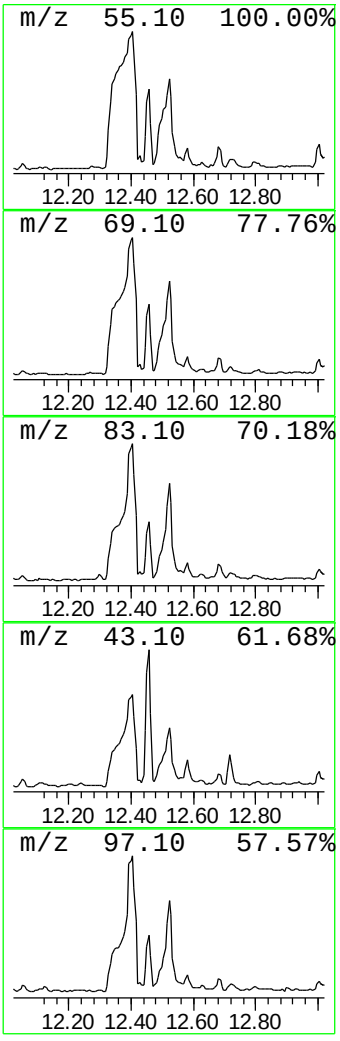
****

Peak Number 13 Oleic Acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	156.08 ng	7974680	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oleic Acid	282	C18H34O2	000112-80-1	83
2	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	80
3	Cyclotetradecane	196	C14H28	000295-17-0	64
4	1-Hexadecanol	242	C16H34O	036653-82-4	64
5	n-Pentadecanol	228	C15H32O	000629-76-5	64





Library Search Compound Report

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Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

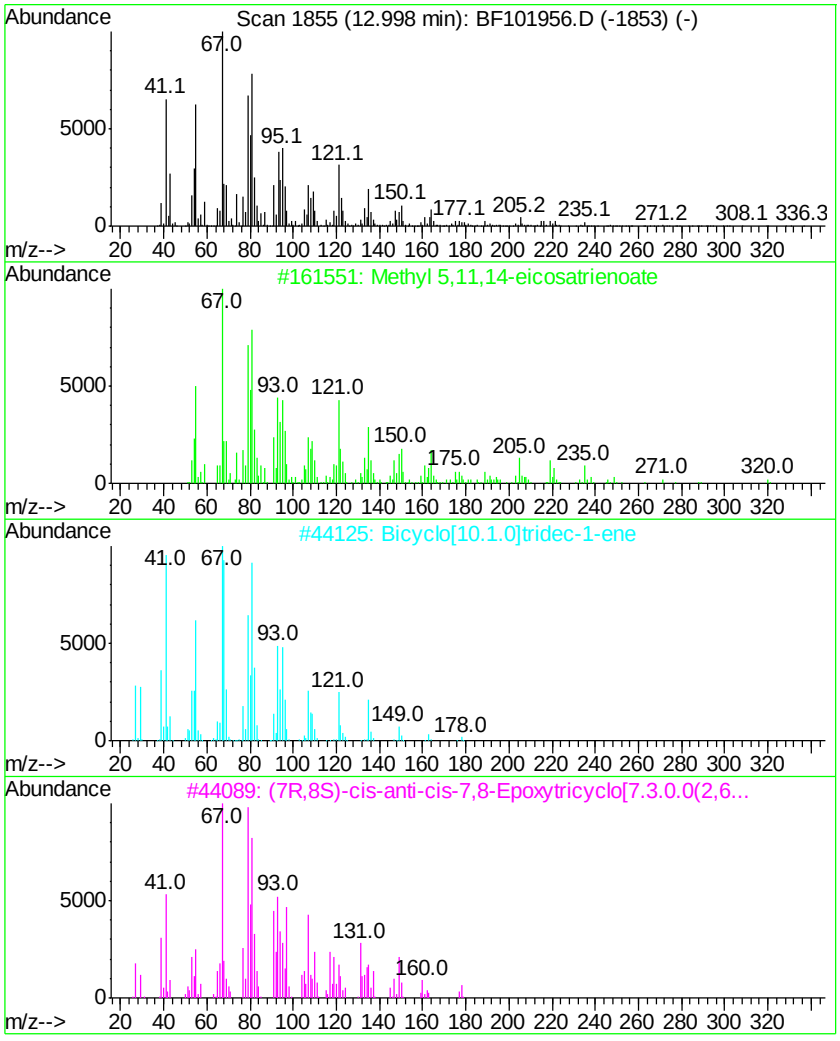
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

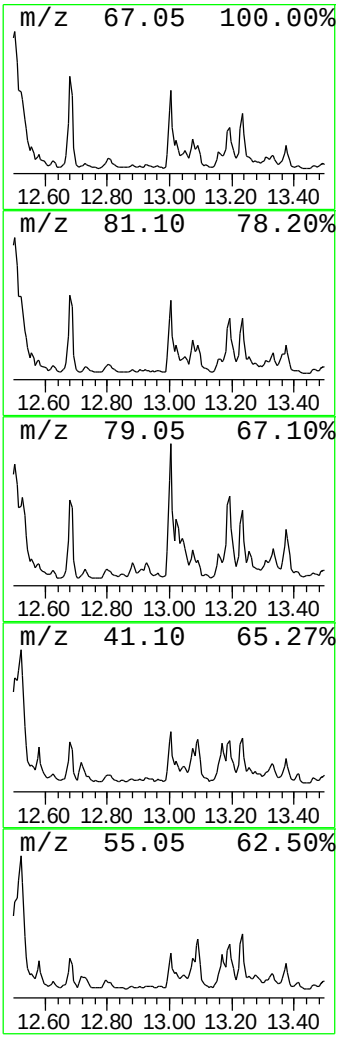
****

Peak Number 14 Methyl 5,11,14-eicosatrienoate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	44.52 ng	2924010	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 5,11,14-eicosatrienoate	320	C21H36O2	1000336-40-2	99
2	Bicyclo[10.1.0]tridec-1-ene	178	C13H22	054766-91-5	93
3	(7R,8S)-cis-anti-cis-7,8-Epoxytr...	178	C12H18O	073285-35-5	76
4	6-C14H26	194	C14H26	003730-08-3	64
5	Cyclooctene, 4-ethenyl-	136	C10H16	001124-45-4	60





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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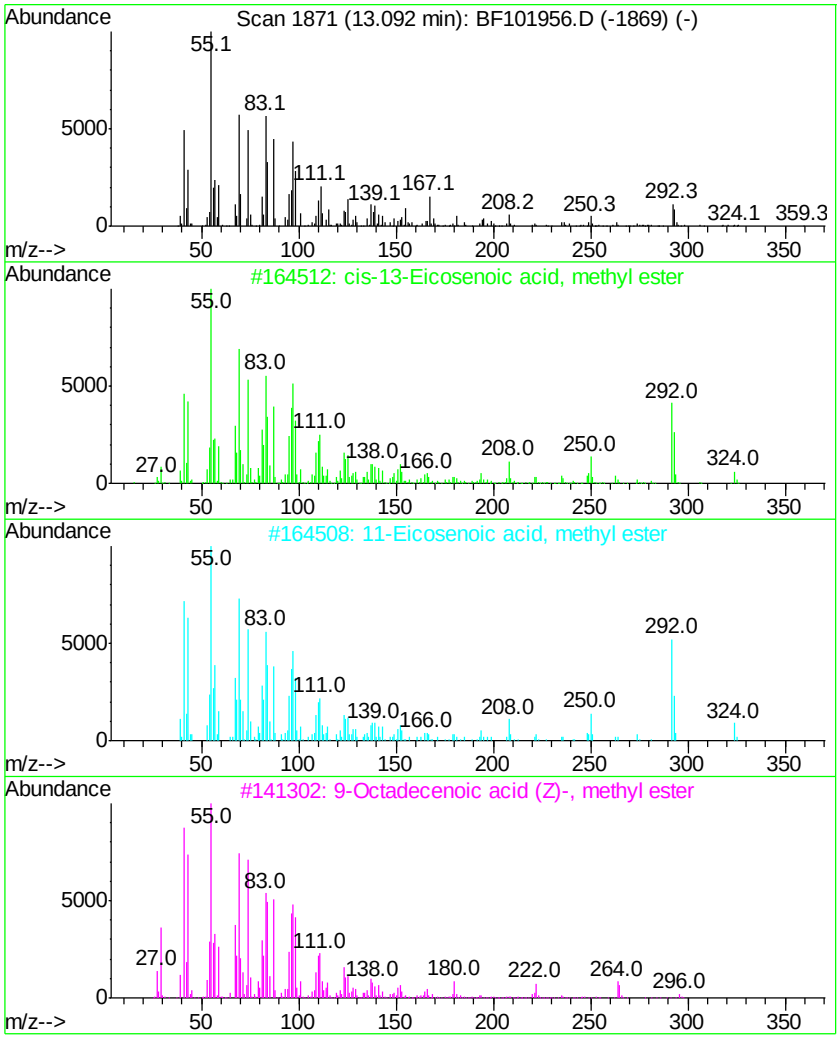
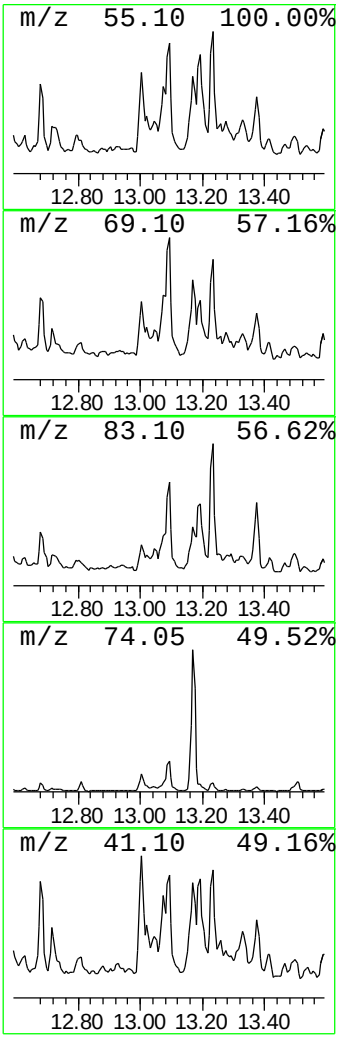
Peak Number 15 cis-13-Eicosenoic acid, met... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	35.47 ng	2329380	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-13-Eicosenoic acid, methyl e...	324	C21H40O2	1000333-52-1	83
2	11-Eicosenoic acid, methyl ester	324	C21H40O2	003946-08-5	83
3	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	80
4	cis-11-Eicosenoic acid, methyl e...	324	C21H40O2	1000333-63-8	80
5	14-Methylpentadec-9-enoic acid m...	268	C17H32O2	1000365-89-7	70





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Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

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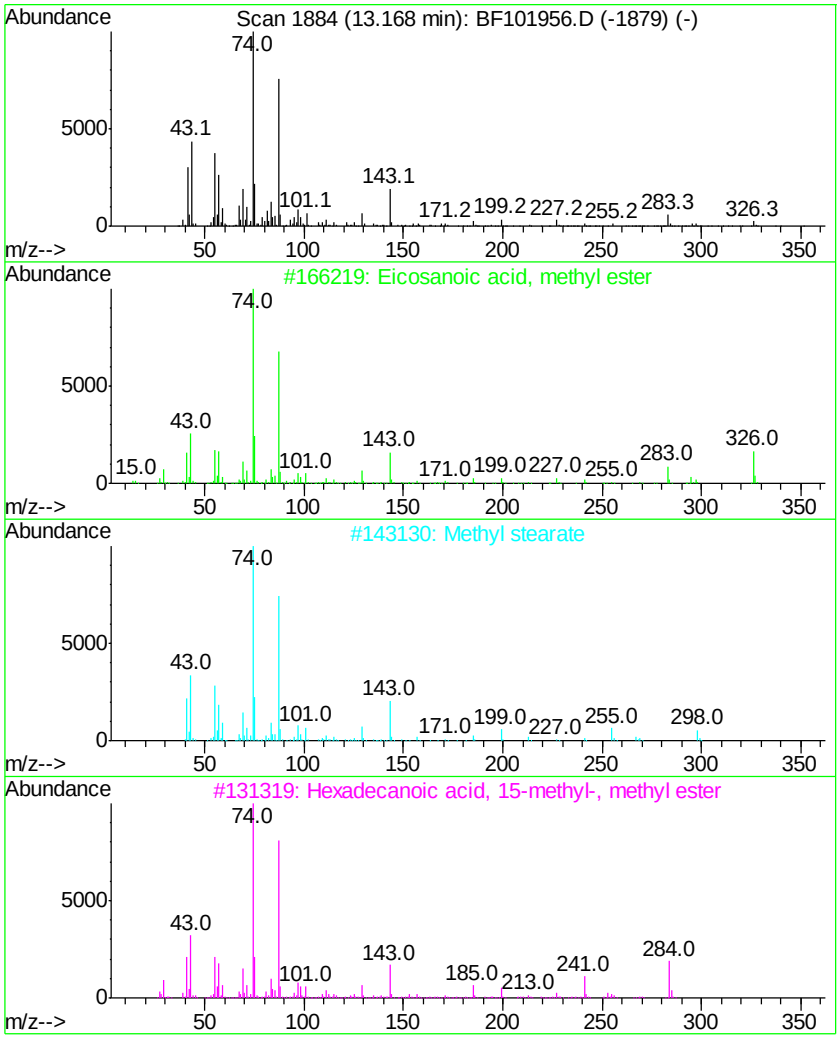
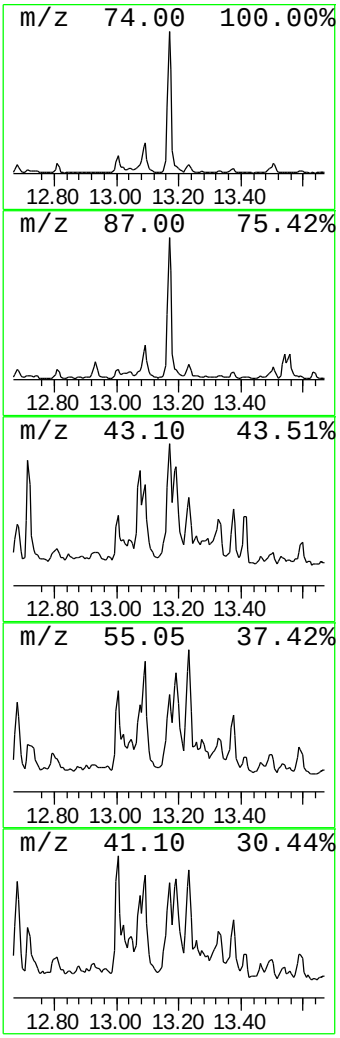
Peak Number 16 Eicosanoic acid, methyl ester Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	41.31 ng	2713250	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosanoic acid, methyl ester	326	C21H42O2	001120-28-1	96
2	Methyl stearate	298	C19H38O2	000112-61-8	96
3	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	95
4	Methyl 18-methylnonadecanoate	326	C21H42O2	1000352-20-6	87
5	Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	87





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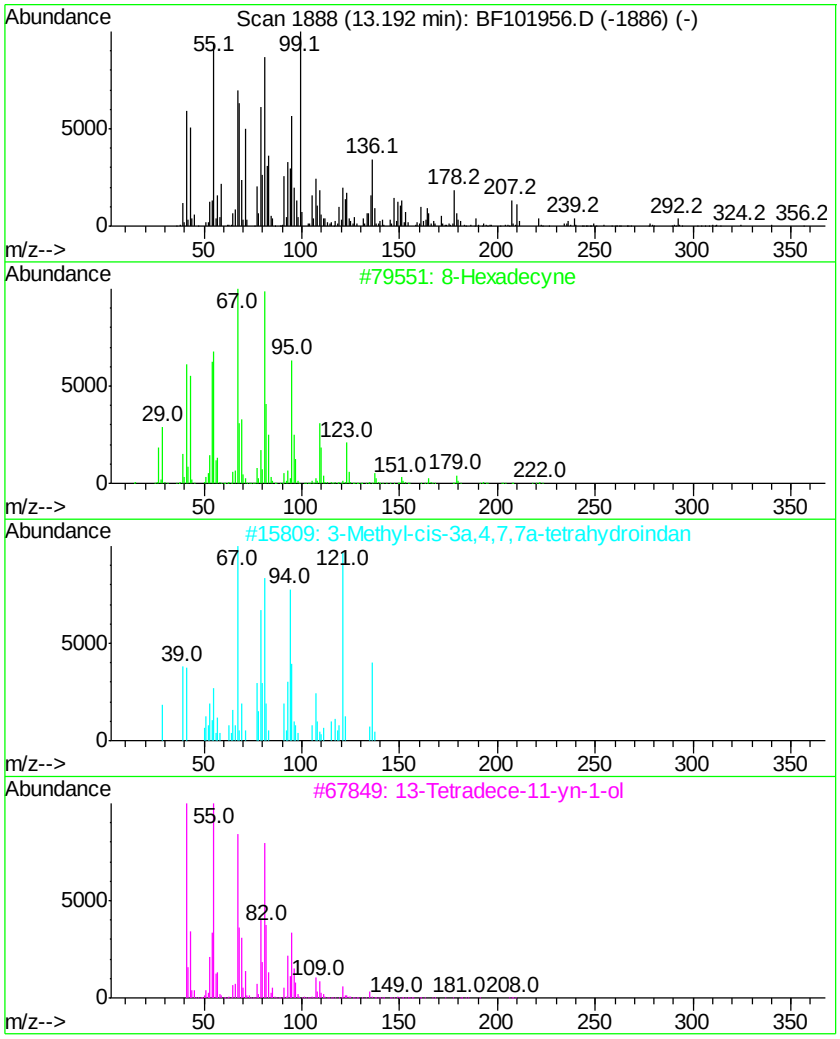
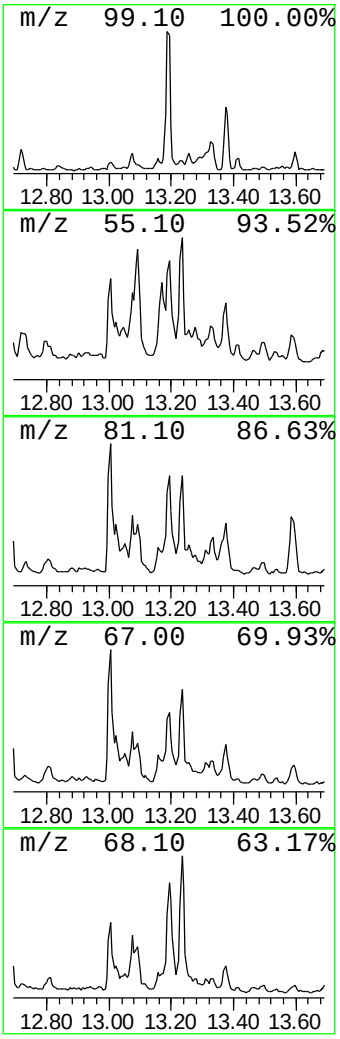
Peak Number 17 8-Hexadecyne Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	32.84 ng	2156740	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Hexadecyne	222	C16H30	019781-86-3	56
2	3-Methyl-cis-3a,4,7,7a-tetrahydr...	136	C10H16	1000144-04-4	55
3	13-Tetradece-11-yn-1-ol	208	C14H24O	1000131-00-4	53
4	Bicyclo[10.1.0]tridec-1-ene	178	C13H22	054766-91-5	53
5	9,12,15-Octadecatrienoic acid, m...	292	C19H32O2	000301-00-8	49





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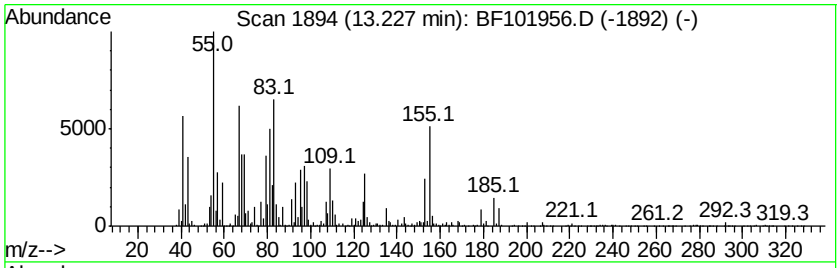
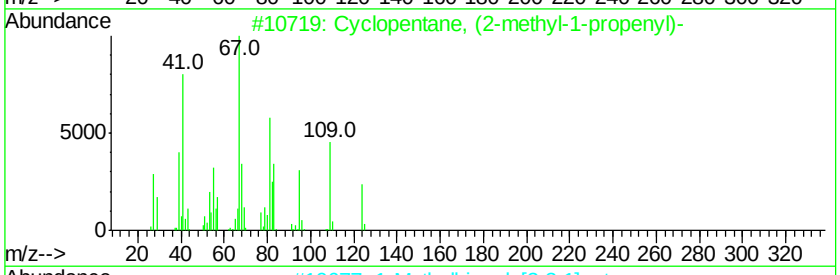
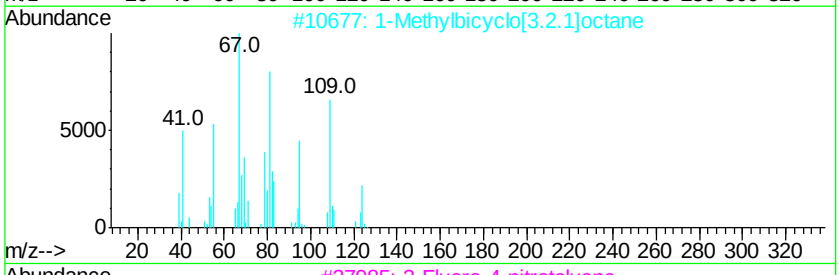
Peak Number 18 unknown13.23 Concentration Rank 19

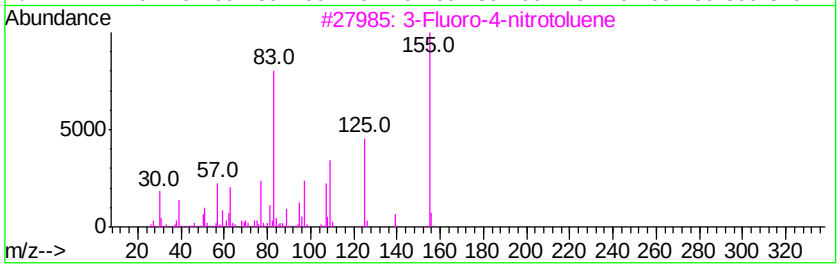
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	32.67 ng	2145940	Chrysene-d12	13.88

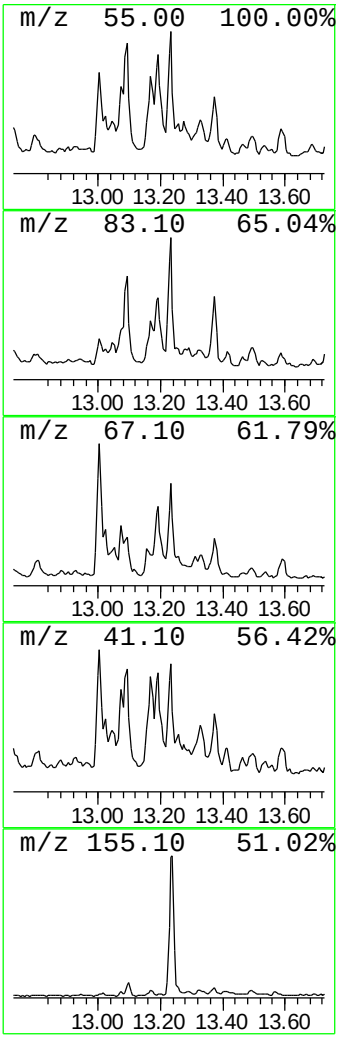
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methyl-1-propen...	124	C9H16	053366-57-7	45
2	1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	38
3	3-Fluoro-4-nitrotoluene	155	C7H6FNO2	000446-34-4	38
4	2-Methylbicyclo[3.2.1]octane	124	C9H16	1000215-28-0	27
5	9-Hexadecyn-1-ol	238	C16H30O	1000342-40-3	25











Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101956.D
Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

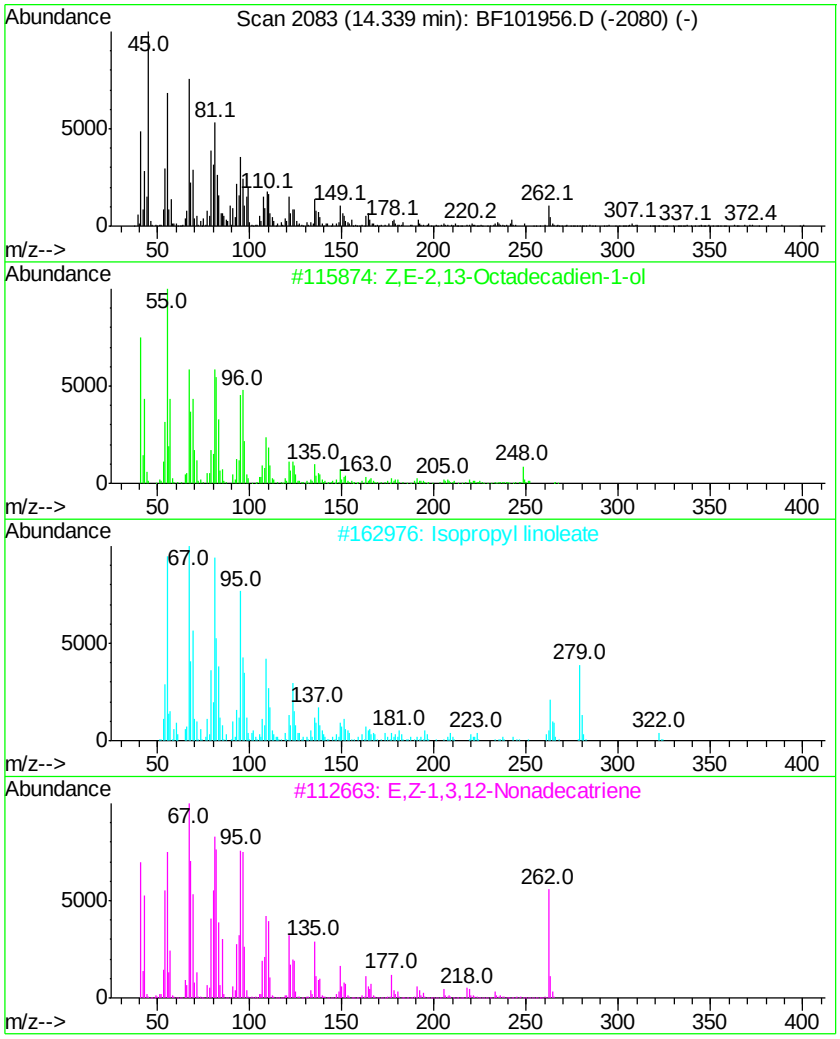
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

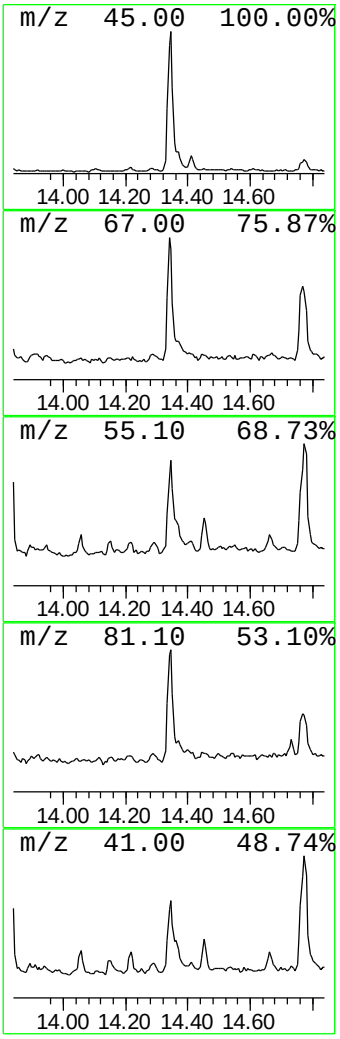
****

Peak Number 19 Z,E-2,13-Octadecadien-1-ol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	34.03 ng	2234820	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z,E-2,13-Octadecadien-1-ol	266	C18H34O	1000131-10-3	91
2	Isopropyl linoleate	322	C21H38O2	022882-95-7	60
3	E,Z-1,3,12-Nonadecatriene	262	C19H34	1000131-11-3	55
4	9,12-Octadecadienoyl chloride, (...	298	C18H31ClO	007459-33-8	55
5	Ethyl 9,12-hexadecadienoate	280	C18H32O2	1000336-70-1	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010918\
Data File : BF101956.D
Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

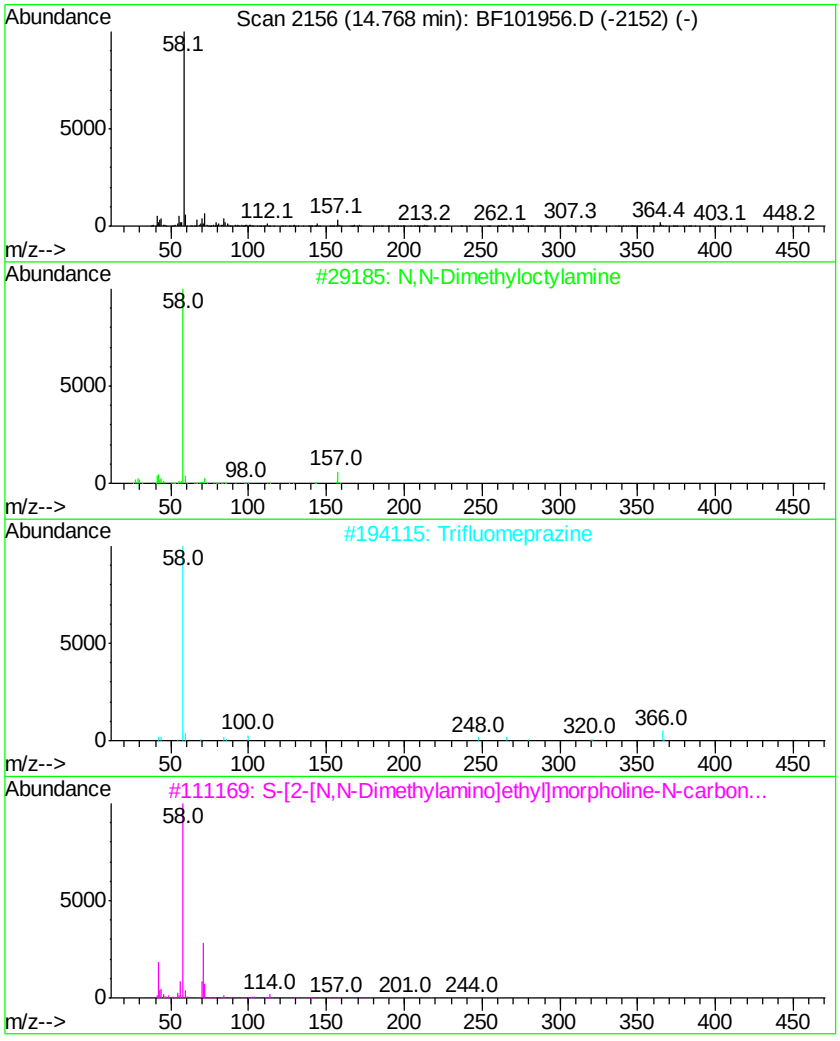
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

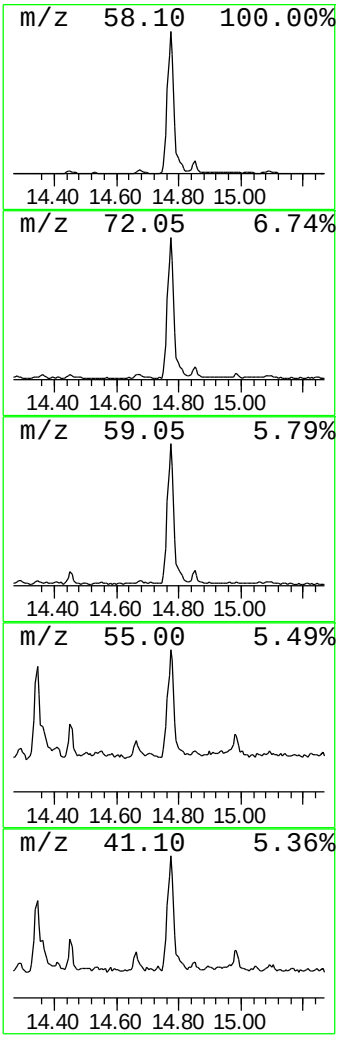
****

Peak Number 20 N,N-Dimethyloctylamine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	111.14 ng	4824750	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	80
2	Trifluomeprazine	366	C19H21F3N2S	002622-37-9	64
3	S-[2-[N,N-Dimethylaminolethyllmo...	261	C10H19N3O3S	1000212-14-3	64
4	N,N-Dimethyl-2-cyclohexyloxyethy...	171	C10H21NO	071126-60-8	64
5	Benzamide, 5-bromo-2-hydroxy-N-(...	300	C12H17BrN2O2	289660-53-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010918\
Data File : BF101956.D
Acq On : 9 Jan 2018 17:03
Operator : SJ/JU
Sample : J1022-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-010818

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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
Tetradecane	9.17	44.5	ng	3283720	3	9.76	1476940	20.0
Pentadecane	9.70	37.6	ng	2773510	3	9.76	1476940	20.0
Bacchotricuneatin c	10.20	40.7	ng	3006180	3	9.76	1476940	20.0
Heptadecane	10.67	63.8	ng	3262080	4	11.24	1021890	20.0
Heneicosane	11.55	32.2	ng	1646570	4	11.24	1021890	20.0
Hexadecanoic acid...	11.66	308.4	ng	15758300	4	11.24	1021890	20.0
n-Hexadecanoic acid	11.80	43.9	ng	2243960	4	11.24	1021890	20.0
10,13-Octadecadie...	12.38	736.7	ng	37640000	4	11.24	1021890	20.0
Methyl stearate	12.46	172.5	ng	8811740	4	11.24	1021890	20.0
9,12-Octadecadien...	12.50	150.2	ng	7671860	4	11.24	1021890	20.0
Oleic Acid	12.52	156.1	ng	7974680	4	11.24	1021890	20.0
Methyl 5,11,14-ei...	13.00	44.5	ng	2924010	5	13.88	1313550	20.0
cis-13-Eicosenoic...	13.09	35.5	ng	2329380	5	13.88	1313550	20.0
Eicosanoic acid, ...	13.17	41.3	ng	2713250	5	13.88	1313550	20.0
8-Hexadecyne	13.19	32.8	ng	2156740	5	13.88	1313550	20.0
unknown13.23	13.23	32.7	ng	2145940	5	13.88	1313550	20.0
Z,E-2,13-Octadeca...	14.34	34.0	ng	2234820	5	13.88	1313550	20.0
N,N-Dimethyloctyl...	14.77	111.1	ng	4824750	6	15.30	868225	20.0