LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099792.D
Acq On : 24 Oct 2017 17:07
Operator : SJ/JU
Sample : I6019-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

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-BF102317.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	6.034	666	671	678	rBV3	84170	125812	6.49%	0.260%
2	6.322	717	720	723	rBV	134663	133998	6.91%	0.277%
3	6.451	738	742	747	rBV4	96076	170943	8.82%	0.354%
4	6.534	751	756	760	rBV3	108292	180123	9.29%	0.373%
5	6.581	760	764	768	rVB2	178514	232746	12.01%	0.481%
6	6.628	768	772	774	rBV2	196399	180197	9.30%	0.373%
7	6.804	799	802	806	rVB	1272893	1117221	57.65%	2.311%
8	6.851	806	810	813	rVB3	142102	163581	8.44%	0.338%
9	6.910	817	820	822	rVB	149591	133307	6.88%	0.276%
10	6.939	822	825	830	rBV3	515391	638571	32.95%	1.321%
11	7.022	836	839	841	rBV2	138430	120937	6.24%	0.250%
12	7.069	841	847	850	rBV2	562680	711703	36.72%	1.472%
13	7.098	850	852	854	rBV	376843	295900	15.27%	0.612%
14	7.133	854	858	862	rVB2	620636	648175	33.45%	1.341%
15	7.181	862	866	870	rBV2	606951	785759	40.54%	1.625%
16	7.222	870	873	878	rVB4	171105	234753	12.11%	0.486%
17	7.269	878	881	885	rBV2	163693	214484	11.07%	0.444%
18	7.333	885	892	895	rBV2	1126385	1377941	71.10%	2.850%
19	7.375	895	899	905	rVB3	669771	995138	51.35%	2.059%
20	7.439	905	910	913	rVB4	619762	966691	49.88%	2.000%
21	7.504	913	921	925	rBV4	639315	1339292	69.11%	2.770%
22	7.551	925	929	931	rBV4	286890	324308	16.73%	0.671%
23	7.575	931	933	936	rVV2	904724	799684	41.26%	1.654%
24	7.604	936	938	941	rVB2	460677	372679	19.23%	0.771%
25	7.698	947	954	956	rBV5	685404	1031888	53.24%	2.135%
26	7.722	956	958	962	rVV3	515376	639711	33.01%	1.323%
27	7.757	962	964	968	rVV2	694858	883189	45.57%	1.827%
28	7.798	968	971	973	rVB	608294	521481	26.91%	1.079%
29	7.828	973	976	980	rBV2	1226494	1332678	68.76%	2.757%
30	7.875	981	984	986	rVB	693996	518890	26.77%	1.073%
31	7.898	986	988	991	rBV3	290842	335800	17.33%	0.695%
32	7.922	991	992	995	rVB	242254	173836	8.97%	0.360%
33	7.951	995	997	1000	rVB2	529326	525827	27.13%	1.088%
34	7.986	1000	1003	1005	rBV	186804	159136	8.21%	0.329%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099792.D
Acq On : 24 Oct 2017 17:07
Operator : SJ/JU
Sample : I6019-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

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-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.033	1006	1011	1014	rBV5	388684	728576	37.59%	1.507%
36	8.092	1014	1021	1022	rVV2	824700	1576710	81.36%	3.262%
37	8.110	1022	1024	1026	rVV	1224119	1164125	60.07%	2.408%
38	8.145	1026	1030	1032	rVB2	1699449	1938026	100.00%	4.009%
39	8.169	1032	1034	1037	rBV3	594618	569837	29.40%	1.179%
40	8.233	1042	1045	1047	rBV4	314431	341417	17.62%	0.706%
41	8.263	1047	1050	1051	rBV2	136154	118169	6.10%	0.244%
42	8.286	1051	1054	1056	rVB2	353382	348253	17.97%	0.720%
43	8.316	1056	1059	1061	rVB3	124477	145966	7.53%	0.302%
44	8.375	1061	1069	1074	rBV6	1070397	1911077	98.61%	3.953%
45	8.422	1074	1077	1081	rVB4	548995	486989	25.13%	1.007%
46	8.457	1081	1083	1087	rVB4	413902	453490	23.40%	0.938%
47	8.504	1087	1091	1093	rBV	1758011	1645905	84.93%	3.405%
48	8.586	1103	1105	1108	rBV2	299174	243159	12.55%	0.503%
49	8.622	1108	1111	1114	rVV4	192839	292569	15.10%	0.605%
50	8.645	1114	1115	1117	rVV	177105	137342	7.09%	0.284%
51	8.669	1117	1119	1123	rVV3	283464	428026	22.09%	0.885%
52	8.716	1123	1127	1128	rVV4	313730	432640	22.32%	0.895%
53	8.769	1132	1136	1139	rVV3	513893	629756	32.49%	1.303%
54	8.804	1139	1142	1145	rVV	1276861	1050339	54.20%	2.173%
55	8.828	1145	1146	1148	rVB2	212290	117587	6.07%	0.243%
56	8.857	1148	1151	1154	rBV5	201368	294871	15.22%	0.610%
57	8.904	1156	1159	1161	rVB	646779	538121	27.77%	1.113%
58	8.951	1165	1167	1169	rBV	405169	381637	19.69%	0.789%
59	8.986	1171	1173	1178	rVB4	455406	597977	30.85%	1.237%
60	9.033	1178	1181	1185	rVB3	195574	200614	10.35%	0.415%
61	9.075	1185	1188	1190	rBV	288691	255090	13.16%	0.528%
62	9.098	1190	1192	1195	rVB	1018120	743480	38.36%	1.538%
63	9.163	1200	1203	1207	rVB2	175270	209701	10.82%	0.434%
64	9.239	1212	1216	1218	rBV2	239019	268321	13.85%	0.555%
65	9.275	1220	1222	1226	rVV4	164821	192987	9.96%	0.399%
66	9.310	1226	1228	1231	rVB2	163059	131653	6.79%	0.272%
67	9.357	1233	1236	1241	rVB	196654	221435	11.43%	0.458%
68	9.422	1244	1247	1252	rBV2	419979	570344	29.43%	1.180%
69	9.498	1257	1260	1263	rVV2	465525	579588	29.91%	1.199%
70	9.527	1263	1265	1266	rVV	326164	249833	12.89%	0.517%
71	9.551	1266	1269	1272	rVB3	732636	808814	41.73%	1.673%

LSC Area Percent Report

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Data File : BF099792.D
Acq On : 24 Oct 2017 17:07
Operator : SJ/JU
Sample : I6019-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

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-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.616	1277	1280	1282	rBV2	200791	184819	9.54%	0.382%
73	9.704	1292	1295	1297	rBV	191662	166724	8.60%	0.345%
74	9.745	1297	1302	1305	rBV3	154273	156247	8.06%	0.323%
75	9.804	1309	1312	1313	rBV2	109330	111623	5.76%	0.231%
76	9.845	1316	1319	1321	rVV	763316	634851	32.76%	1.313%
77	9.869	1321	1323	1327	rVB4	90864	119927	6.19%	0.248%
78	9.945	1332	1336	1340	rBV2	199066	262113	13.52%	0.542%
79	9.986	1340	1343	1347	rBV4	141836	227233	11.72%	0.470%
80	10.045	1350	1353	1356	rVB2	265541	292929	15.11%	0.606%
81	10.086	1356	1360	1363	rBV3	322293	375016	19.35%	0.776%
82	10.157	1369	1372	1375	rBV	215109	239424	12.35%	0.495%
83	10.186	1375	1377	1383	rVB3	193679	257339	13.28%	0.532%
84	10.245	1383	1387	1389	rBV3	181817	241172	12.44%	0.499%
85	10.386	1405	1411	1414	rBV4	141765	276508	14.27%	0.572%
86	10.480	1421	1427	1429	rBV2	586369	646916	33.38%	1.338%
87	10.598	1445	1447	1450	rVB3	130674	117000	6.04%	0.242%
88	10.639	1450	1454	1456	rVV4	108248	136446	7.04%	0.282%
89	10.745	1468	1472	1476	rBV	864290	961337	49.60%	1.989%
90	10.927	1500	1503	1507	rBV5	111161	171060	8.83%	0.354%
91	10.963	1507	1509	1512	rVB3	110179	121212	6.25%	0.251%
92	11.210	1548	1551	1554	rBV	452081	414237	21.37%	0.857%
93	11.333	1568	1572	1574	rBV	769754	691995	35.71%	1.431%
94	11.357	1574	1576	1583	rVB	398734	353467	18.24%	0.731%
95	11.563	1608	1611	1614	rBV3	132389	143563	7.41%	0.297%
96	12.551	1775	1779	1782	rVV	275198	259230	13.38%	0.536%
97	12.780	1815	1818	1824	rVB	242153	226844	11.70%	0.469%
98	12.910	1838	1840	1846	rVB	170397	162656	8.39%	0.336%
99	13.980	2018	2022	2025	rBV2	471650	466796	24.09%	0.966%
100	15.451	2268	2272	2283	rVB	362936	532201	27.46%	1.101%

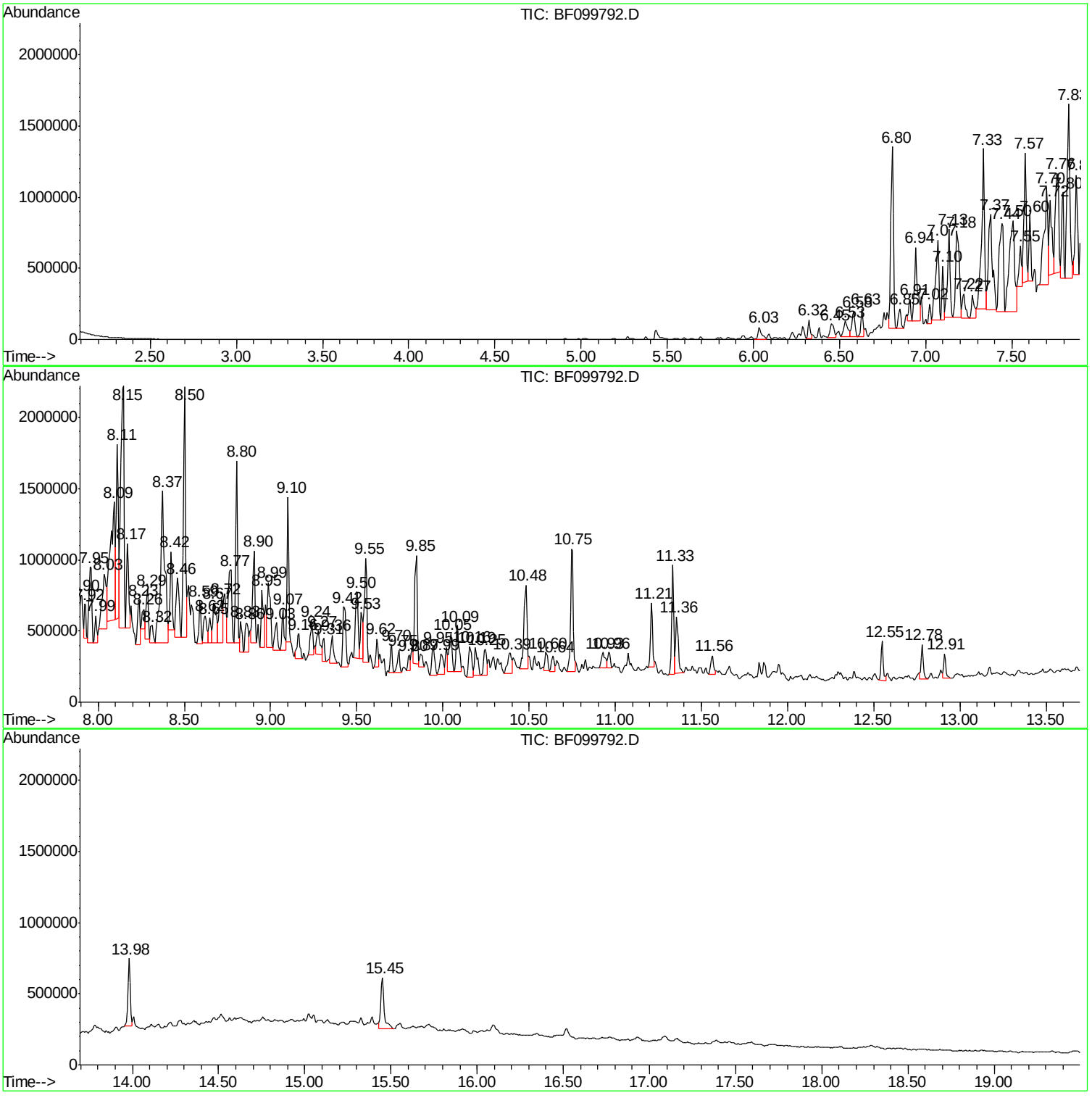
Sum of corrected areas: 48341688

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099792.D
Acq On : 24 Oct 2017 17:07
Operator : SJ/JU
Sample : I6019-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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\BF102417\
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Acq On : 24 Oct 2017 17:07
Operator : SJ/JU
Sample : I6019-01 10X
Misc :
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

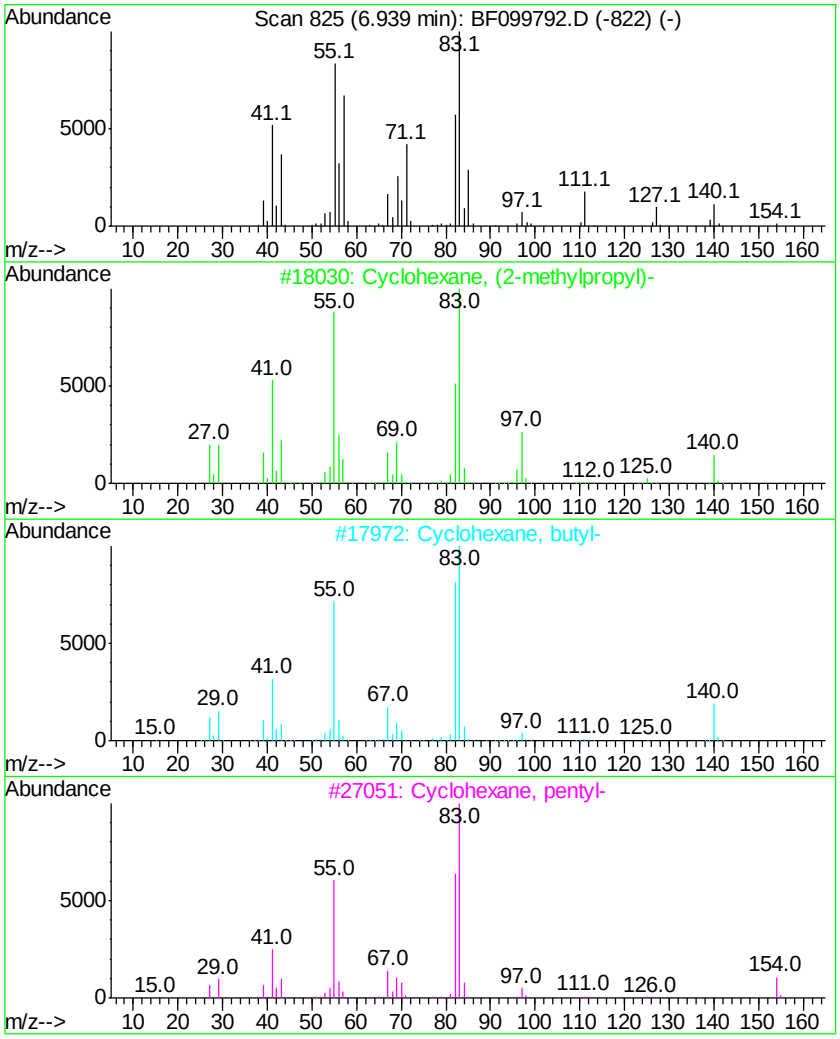
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

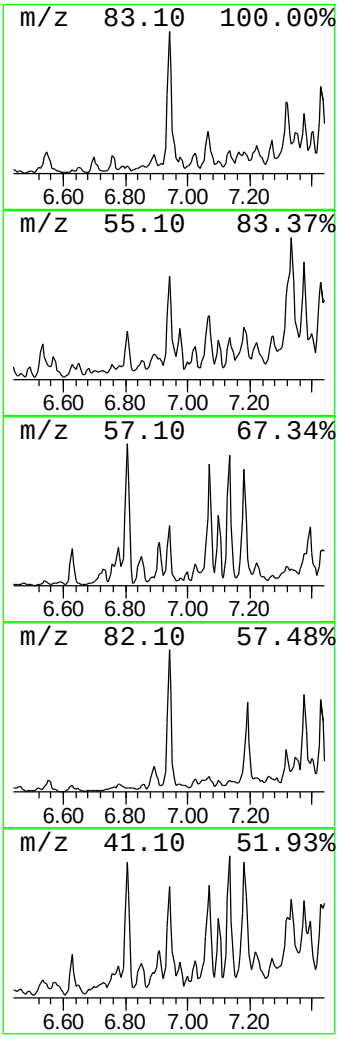
****

Peak Number 1 Cyclohexane, (2-methylpropyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	11.43 ng	638571	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	58
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	53
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	47
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099792.D
Acq On : 24 Oct 2017 17:07
Operator : SJ/JU
Sample : I6019-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

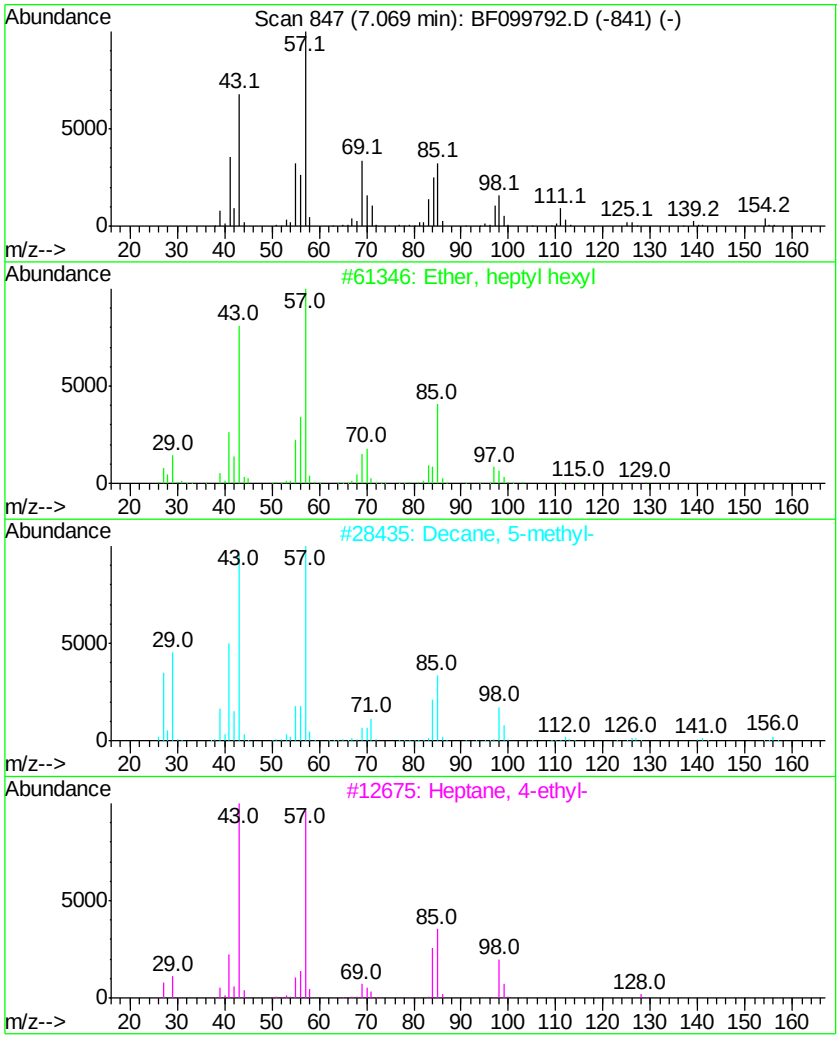
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

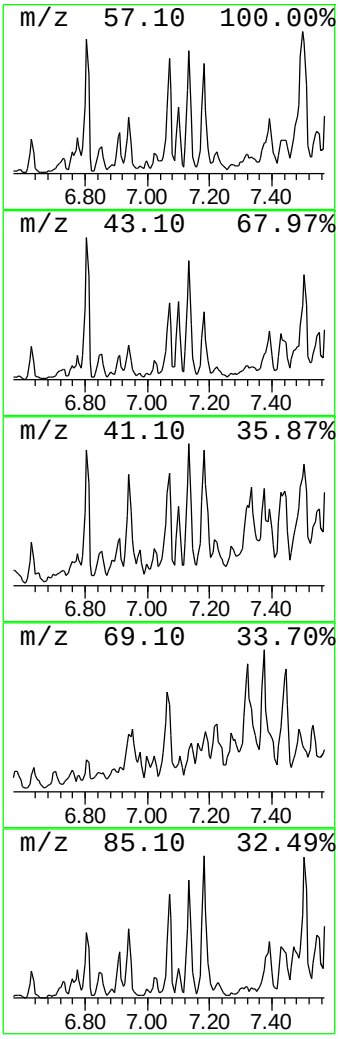
****

Peak Number 2 Ether, heptyl hexyl Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	12.74 ng	711703	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether, heptyl hexyl	200	C13H28O	007289-40-9	53
2	Decane, 5-methyl-	156	C11H24	013151-35-4	50
3	Heptane, 4-ethyl-	128	C9H20	002216-32-2	50
4	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	43
5	1-Octyn-3-ol, 4-ethyl-	154	C10H18O	005877-42-9	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099792.D
Acq On : 24 Oct 2017 17:07
Operator : SJ/JU
Sample : I6019-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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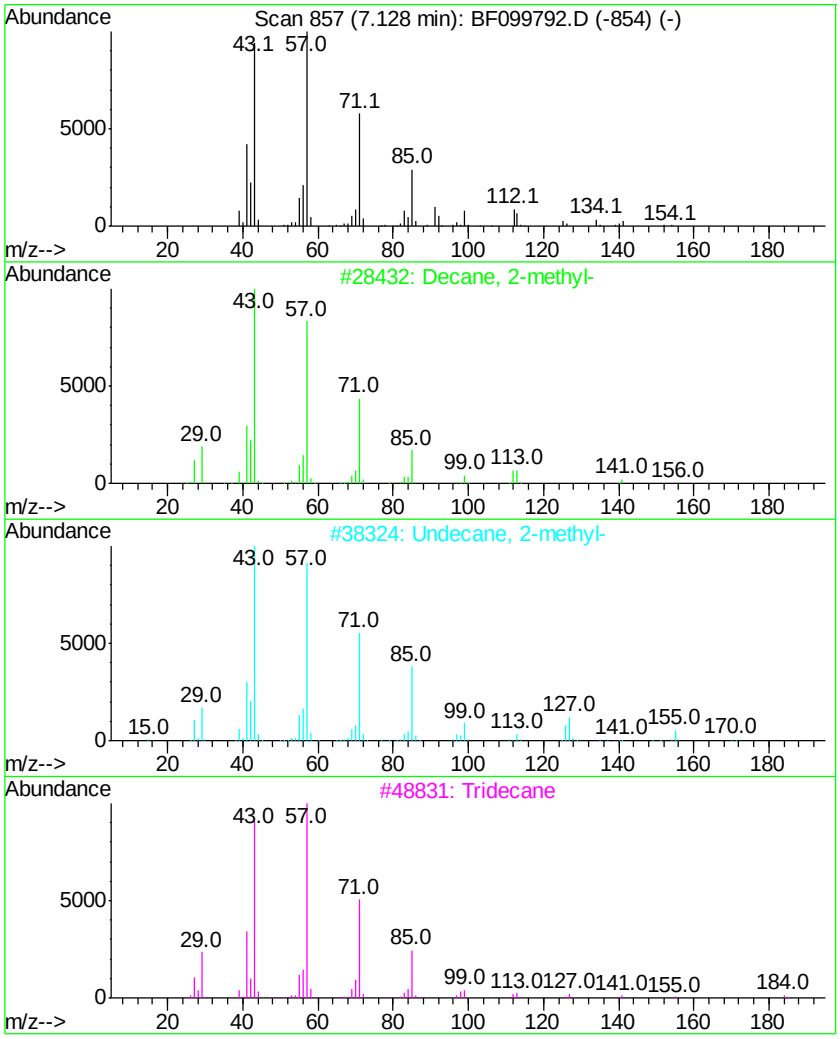
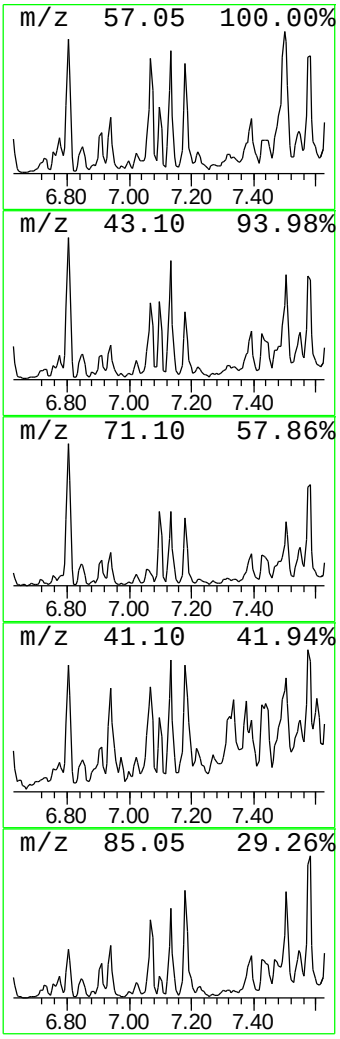
Peak Number 3 Decane, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	11.60 ng	648175	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	91
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	78
3	Tridecane	184	C13H28	000629-50-5	72
4	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	64
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099792.D
Acq On : 24 Oct 2017 17:07
Operator : SJ/JU
Sample : I6019-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

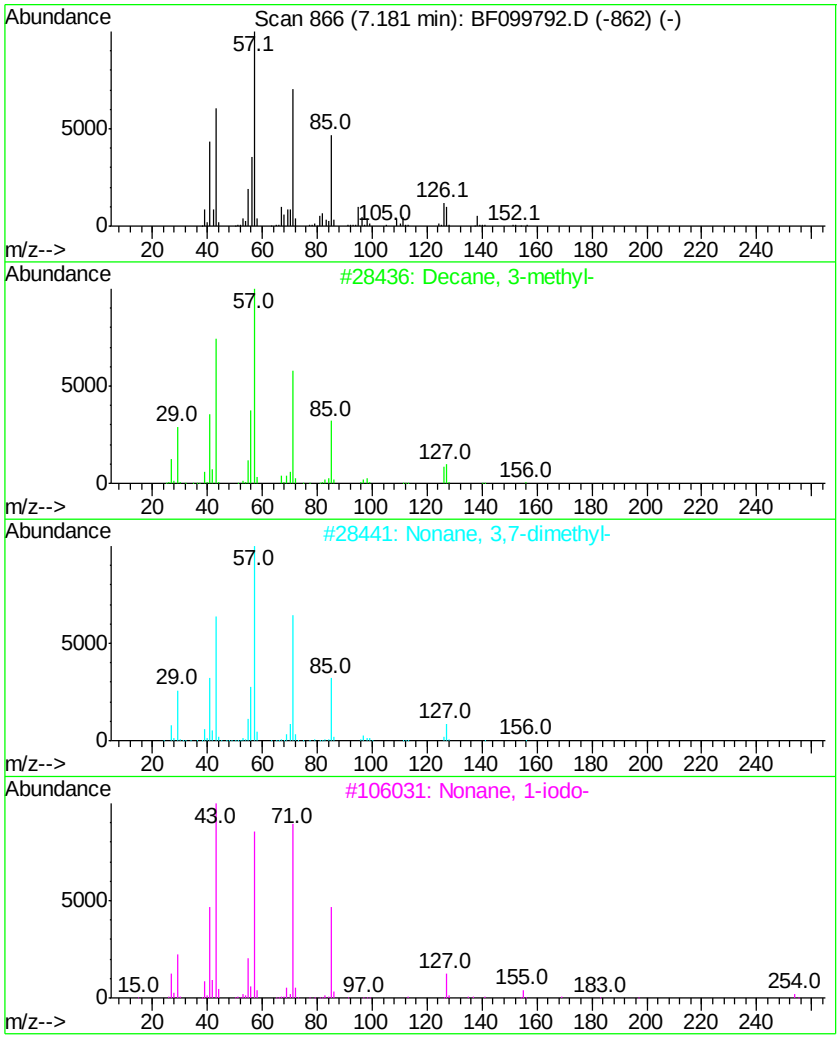
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

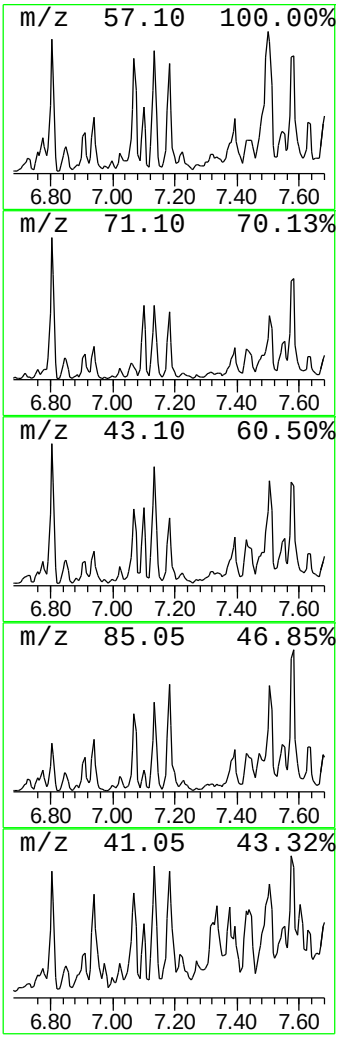
****

Peak Number 4 Decane, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	14.07 ng	785759	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	87
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	68
3	Nonane, 1-iodo-	254	C9H19I	004282-42-2	53
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	50
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099792.D
Acq On : 24 Oct 2017 17:07
Operator : SJ/JU
Sample : I6019-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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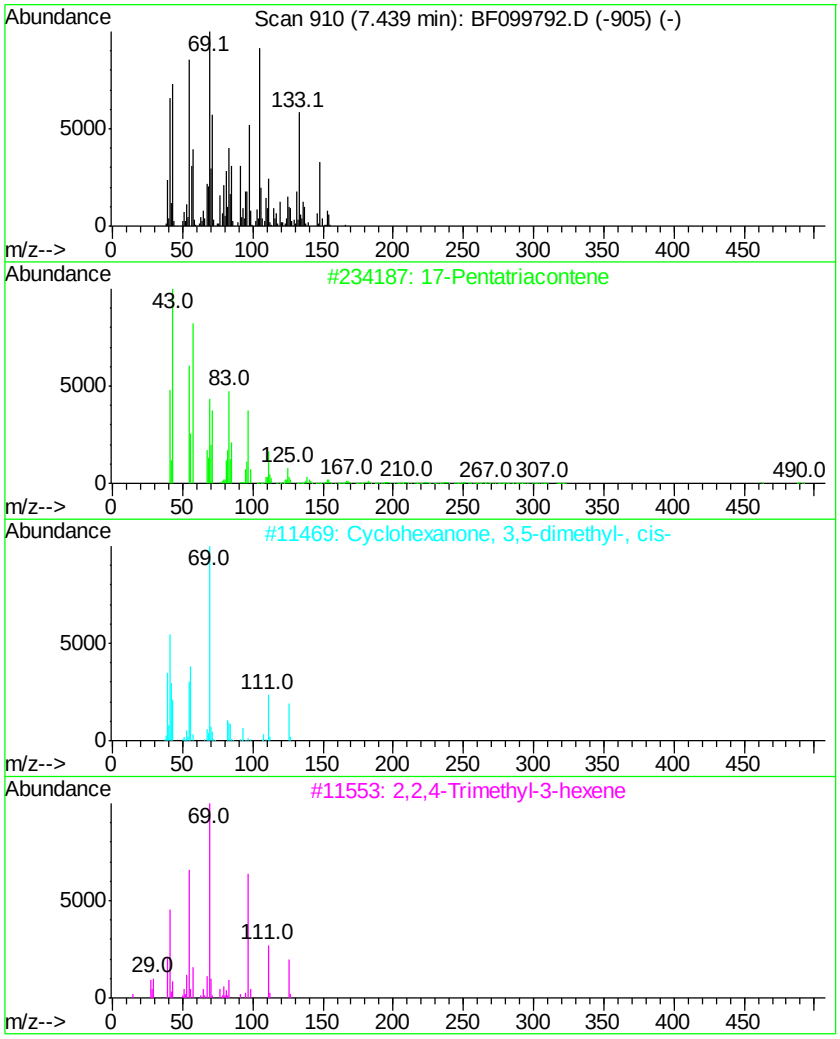
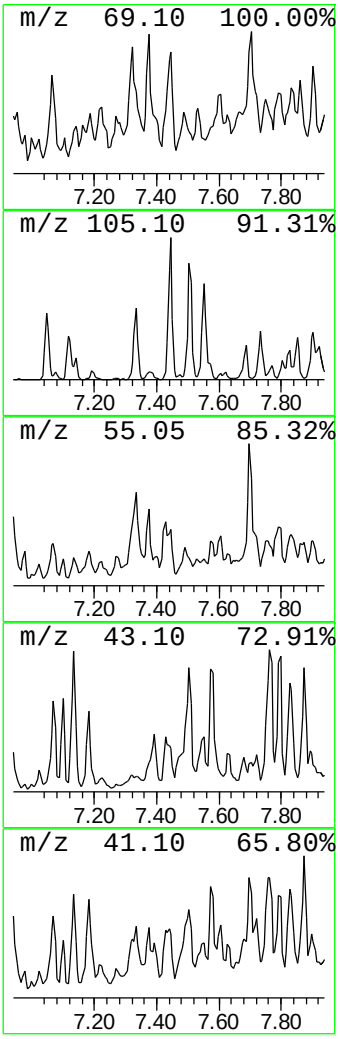
Peak Number 5 unknown7.44 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	17.31 ng	966691	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	30
2	Cyclohexanone, 3,5-dimethyl-, cis-	126	C8H14O	007214-52-0	30
3	2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	27
4	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	27
5	Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	25





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Operator : SJ/JU
Sample : I6019-01 10X
Misc :
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Instrument : BNA_F
ClientSampleId : SB-01

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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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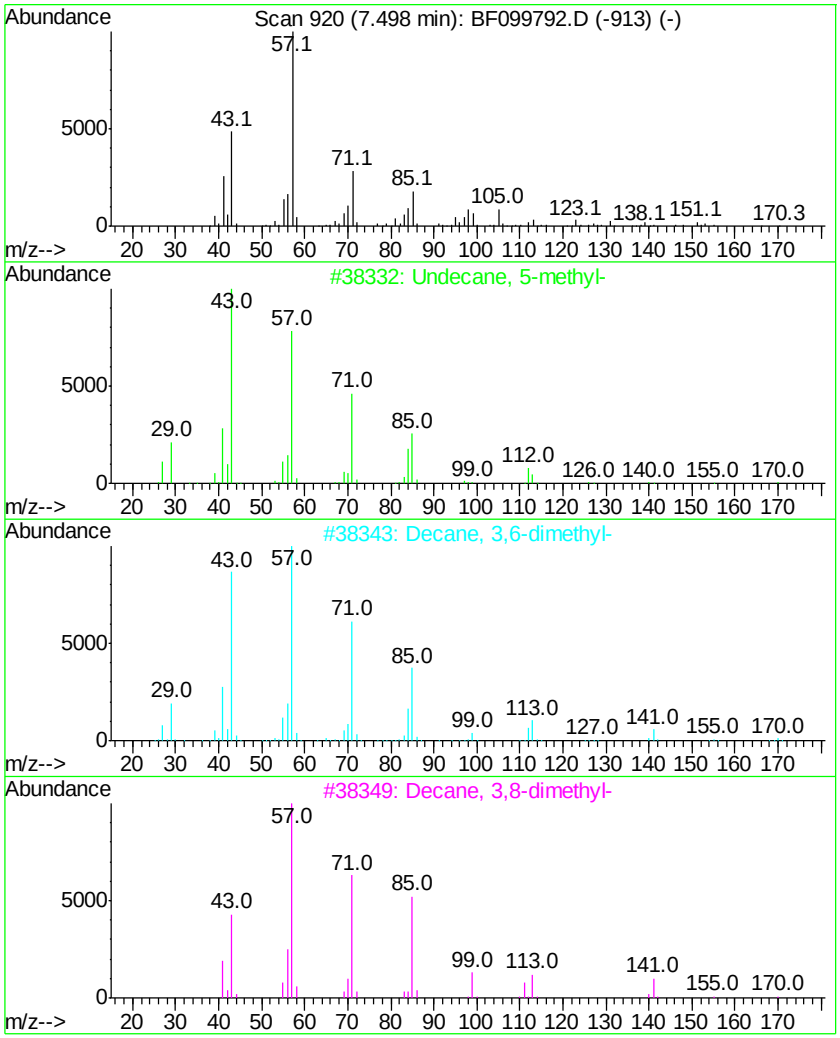
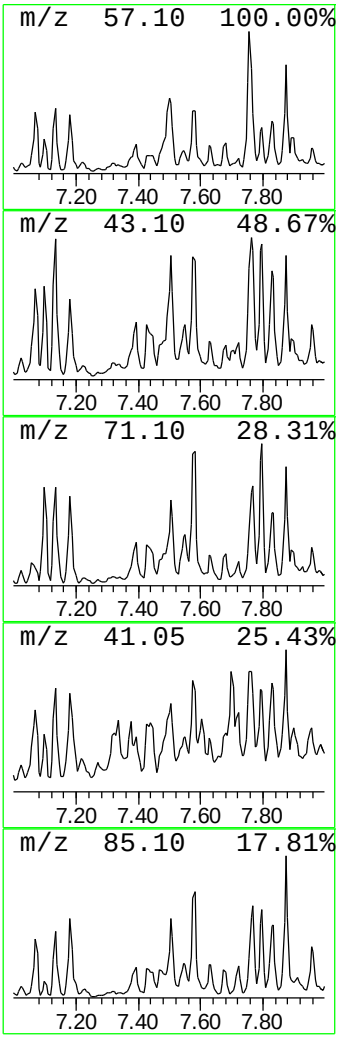
Peak Number 6 Undecane, 5-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	16.99 ng	1339290	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-methyl-	170	C12H26	001632-70-8	64
2	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	59
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	50
4	Tridecane, 3-methyl-	198	C14H30	006418-41-3	50
5	Octacosane	394	C28H58	000630-02-4	47





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Instrument : BNA_F
ClientSampleId : SB-01

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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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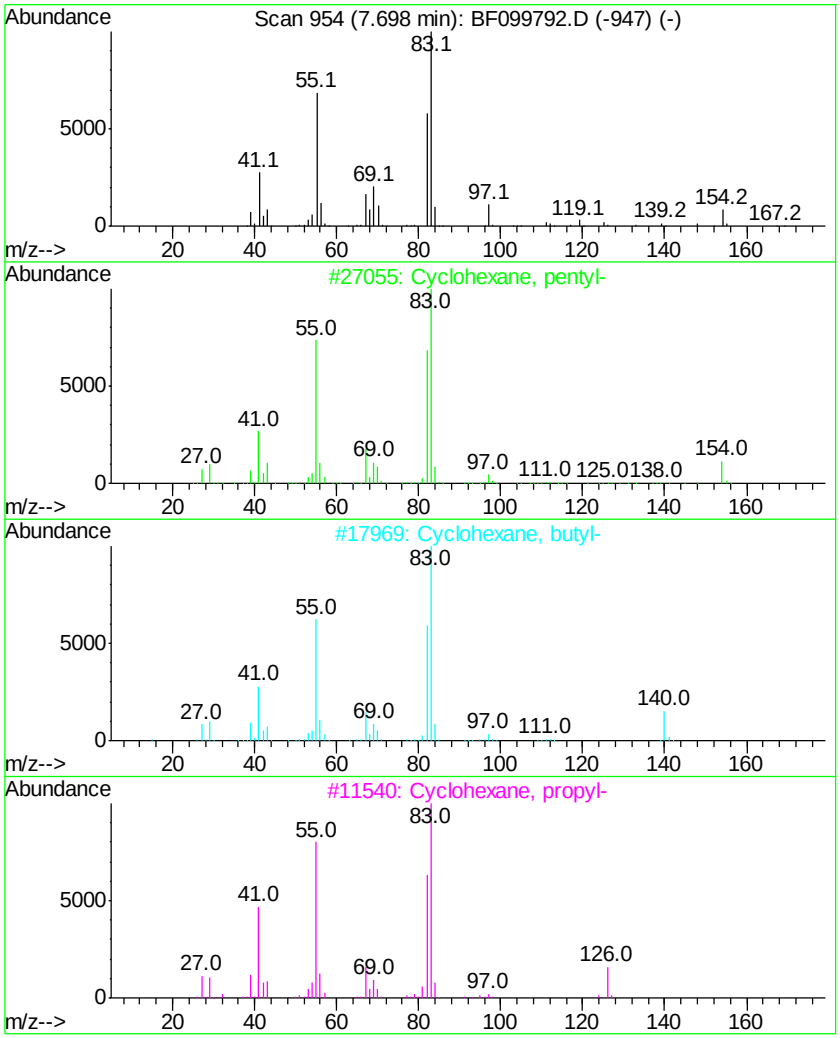
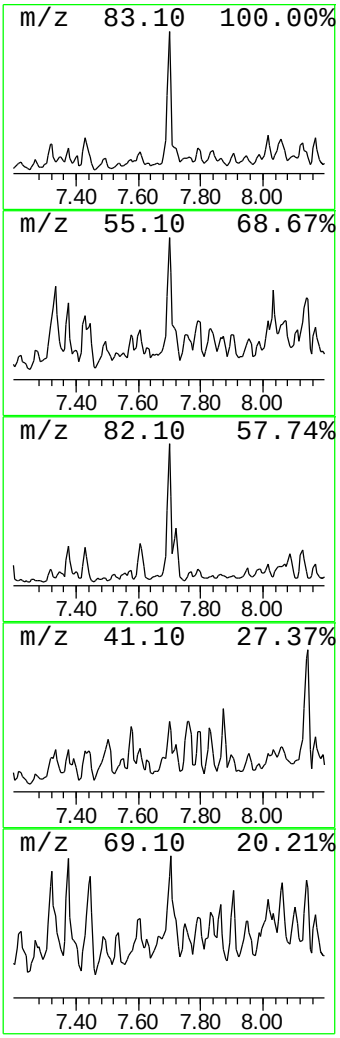
Peak Number 7 Cyclohexane, pentyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	13.09 ng	1031890	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	91
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	78
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	78
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72





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ClientSampleId : SB-01

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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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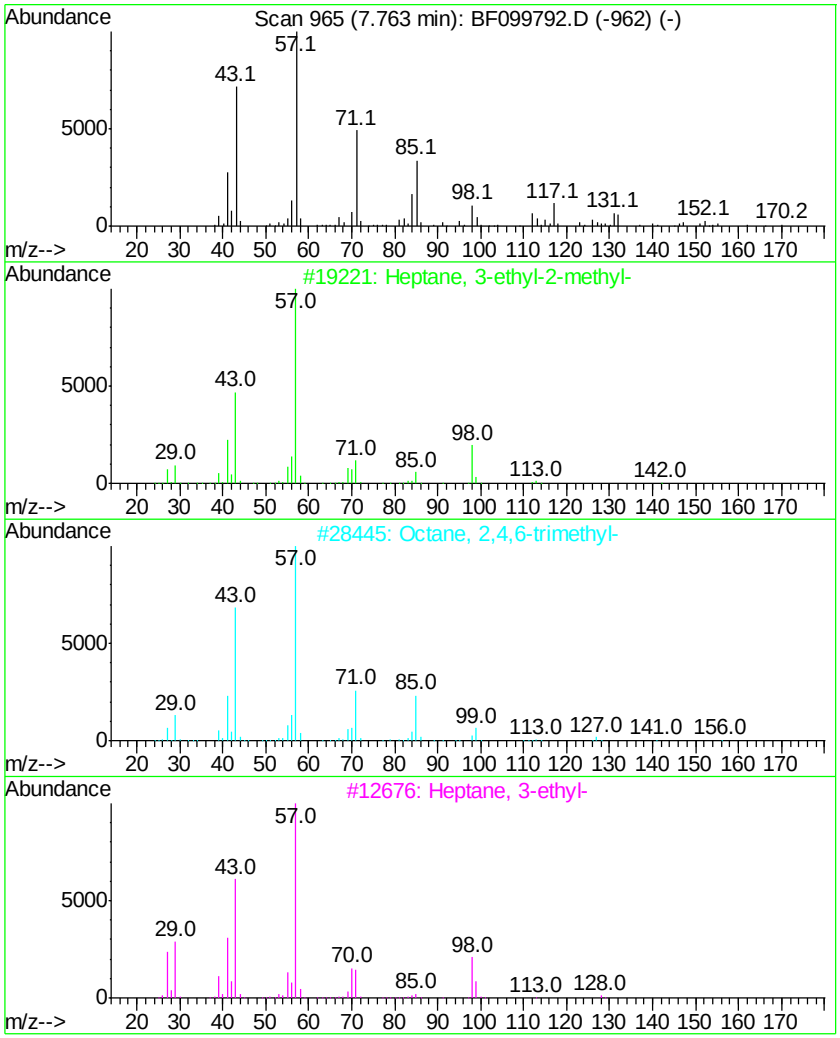
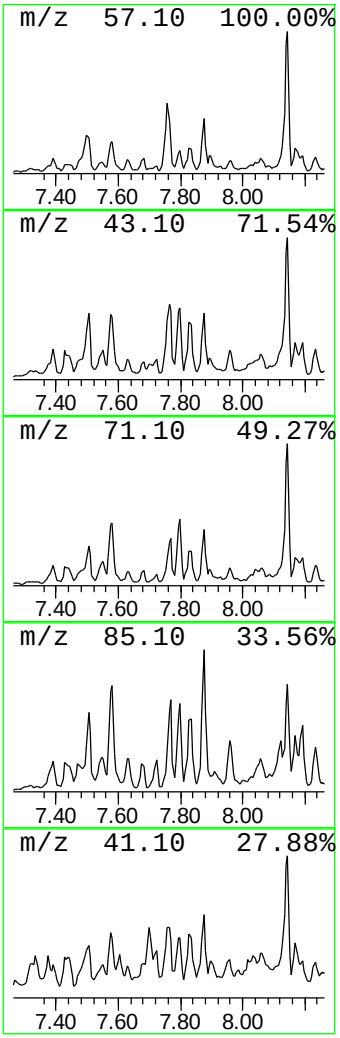
Peak Number 8 Heptane, 3-ethyl-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	11.20 ng	883189	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
2	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50
3	Heptane, 3-ethyl-	128	C9H20	015869-80-4	50
4	Undecane, 6-methyl-	170	C12H26	017302-33-9	49
5	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	47





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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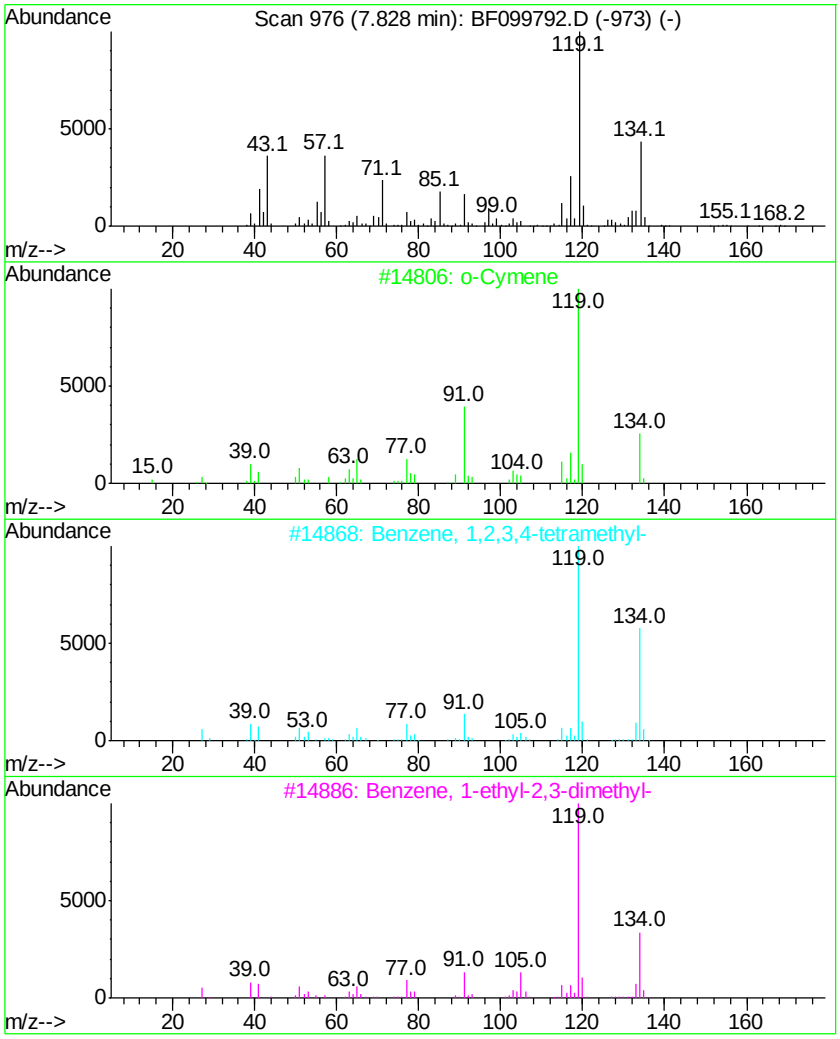
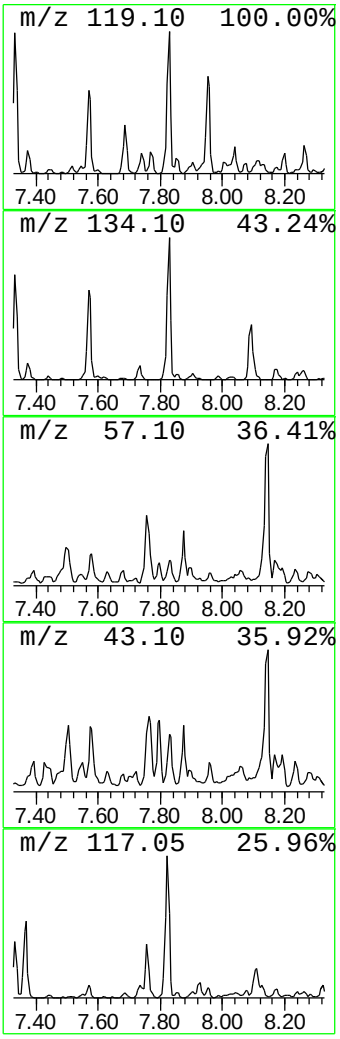
Peak Number 9 o-Cymene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	16.90 ng	1332680	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	70
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70





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ClientSampleId : SB-01

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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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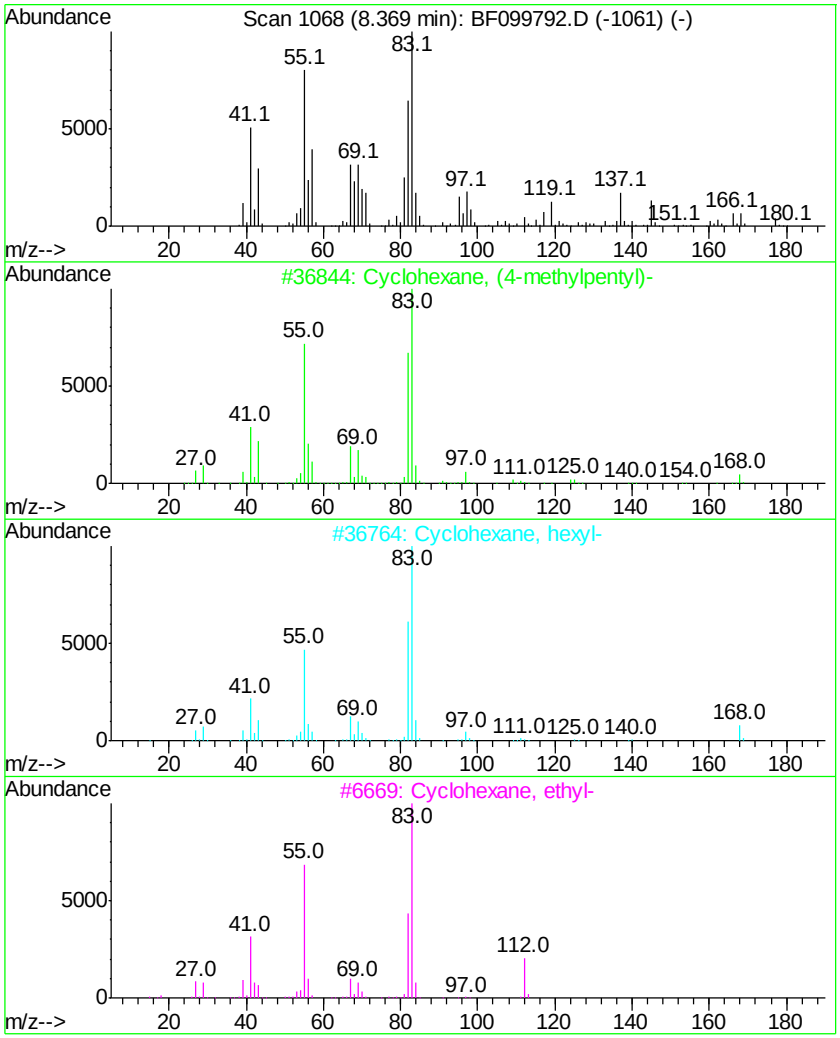
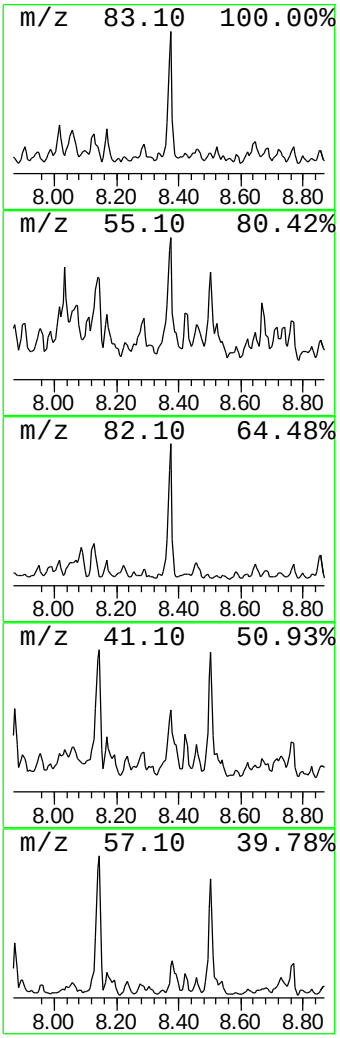
Peak Number 10 Cyclohexane, (4-methylpentyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	24.24 ng	1911080	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	64
2	Cyclohexane, hexyl-	168	C12H24	004292-75-5	50
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	47
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	47
5	1-Butanone, 1-cyclohexyl-	154	C10H18O	001462-27-7	38





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

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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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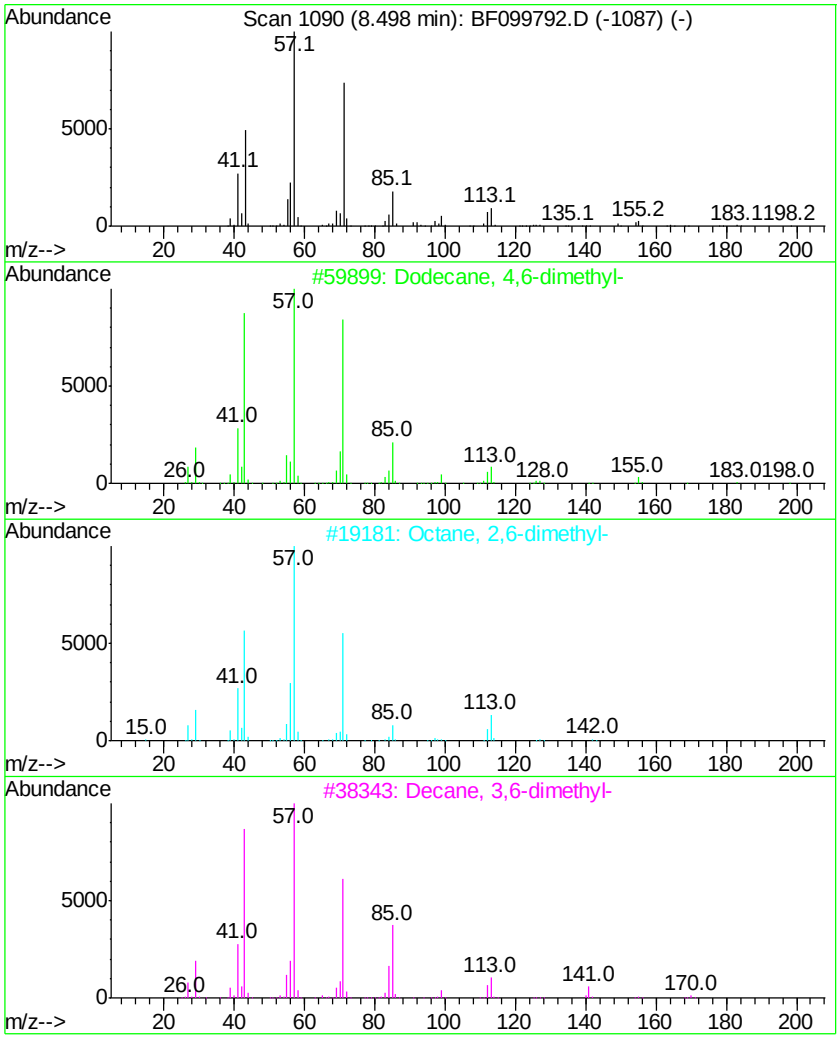
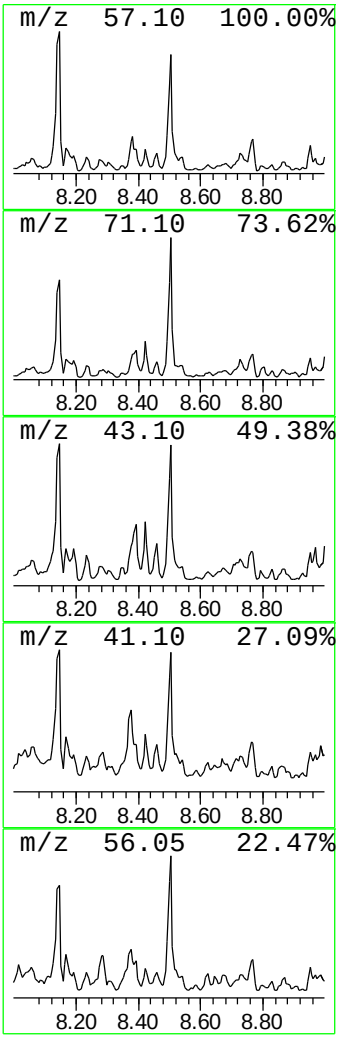
Peak Number 11 Dodecane, 4,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	20.88 ng	1645910	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	83
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	78
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72





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Sample : I6019-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

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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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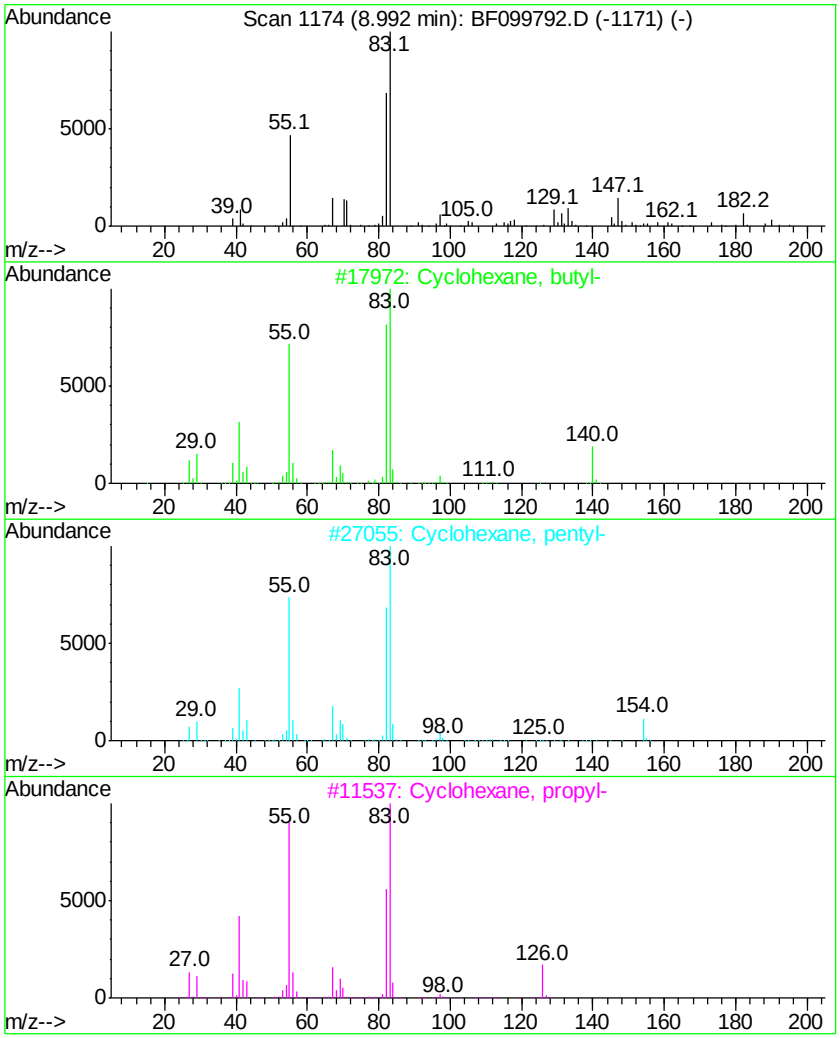
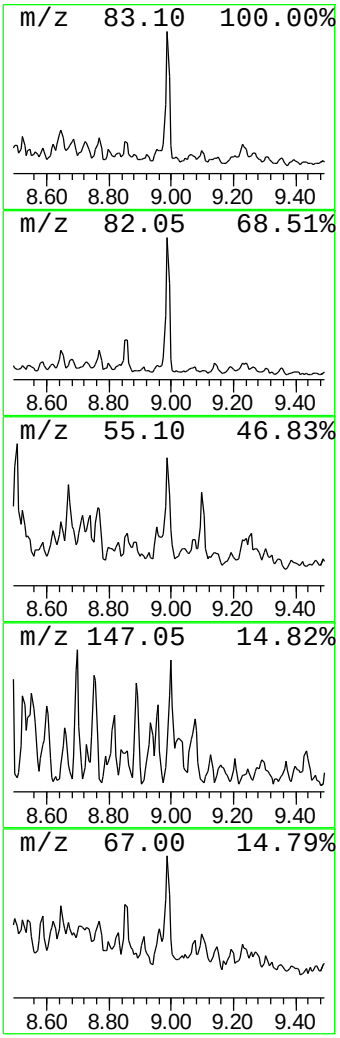
Peak Number 12 Cyclohexane, butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	18.84 ng	597977	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4	Cyclohexane, hexyl-	168	C12H24	004292-75-5	56
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	56





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

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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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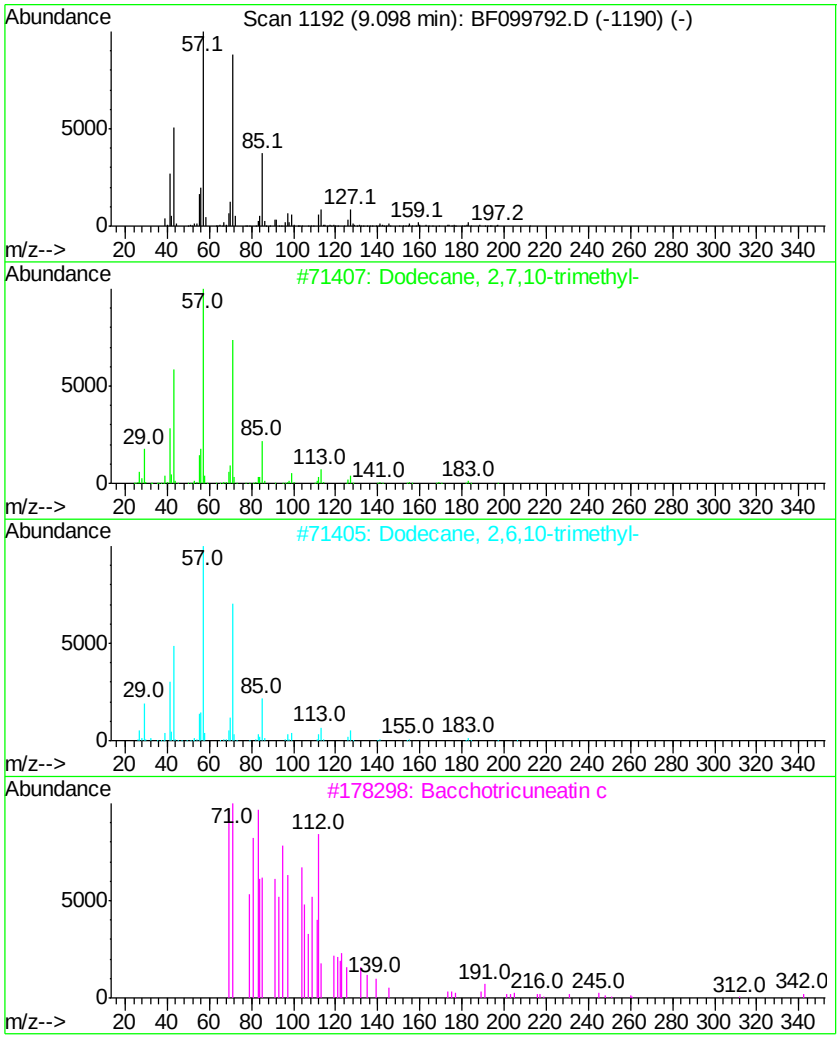
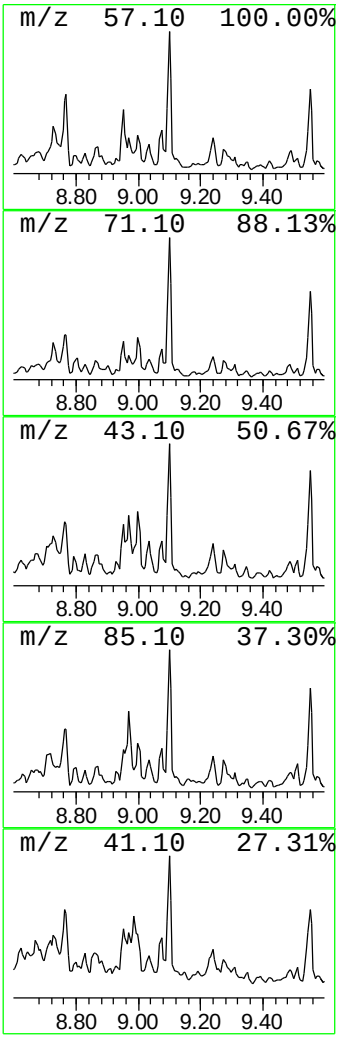
Peak Number 13 Dodecane, 2,7,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	23.42 ng	743480	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	87
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80





Library Search Compound Report

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ClientSampleId : SB-01

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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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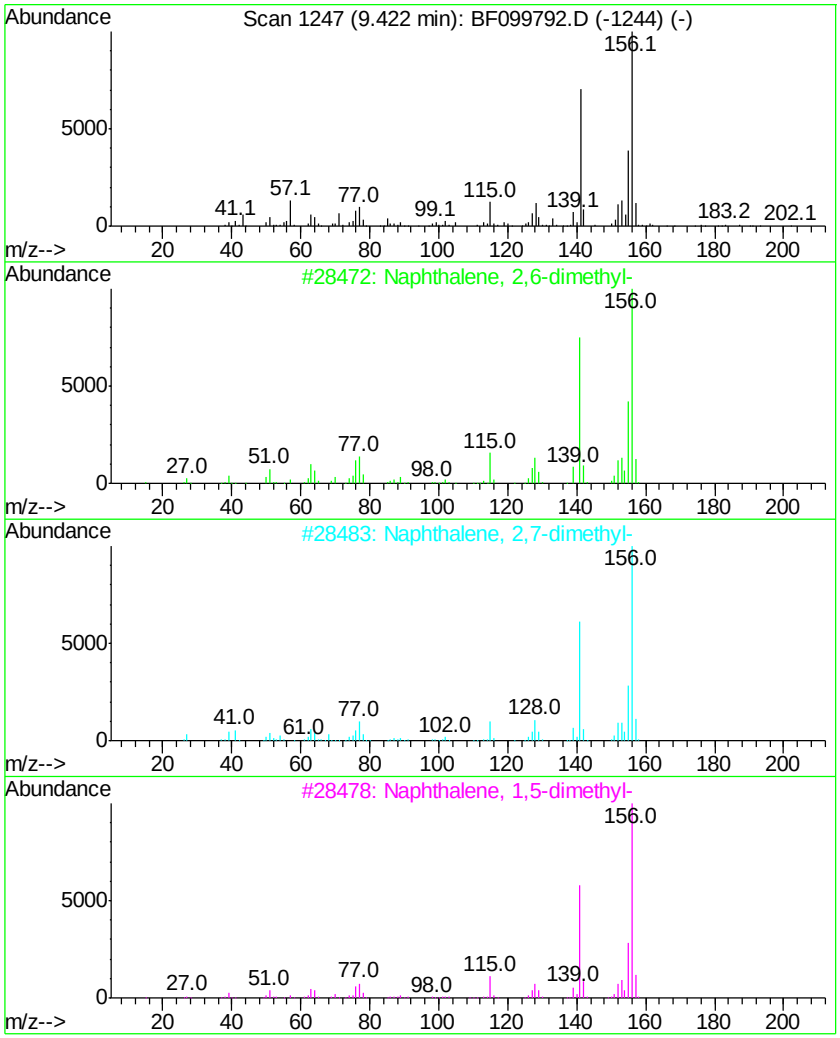
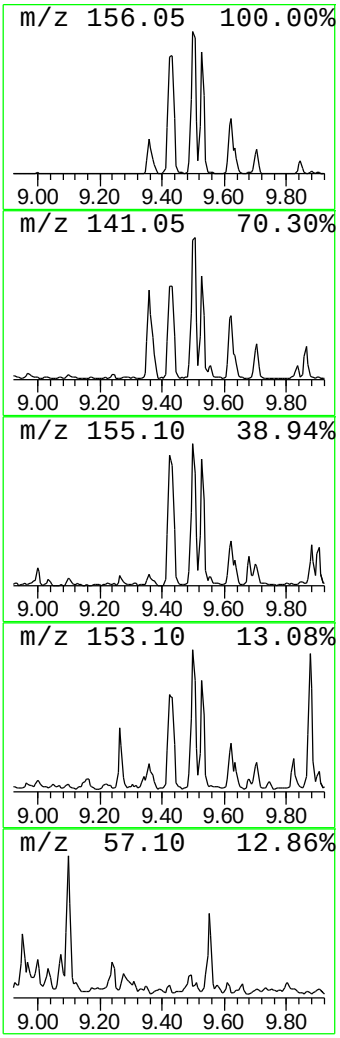
Peak Number 14 Naphthalene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	17.97 ng	570344	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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ClientSampleId : SB-01

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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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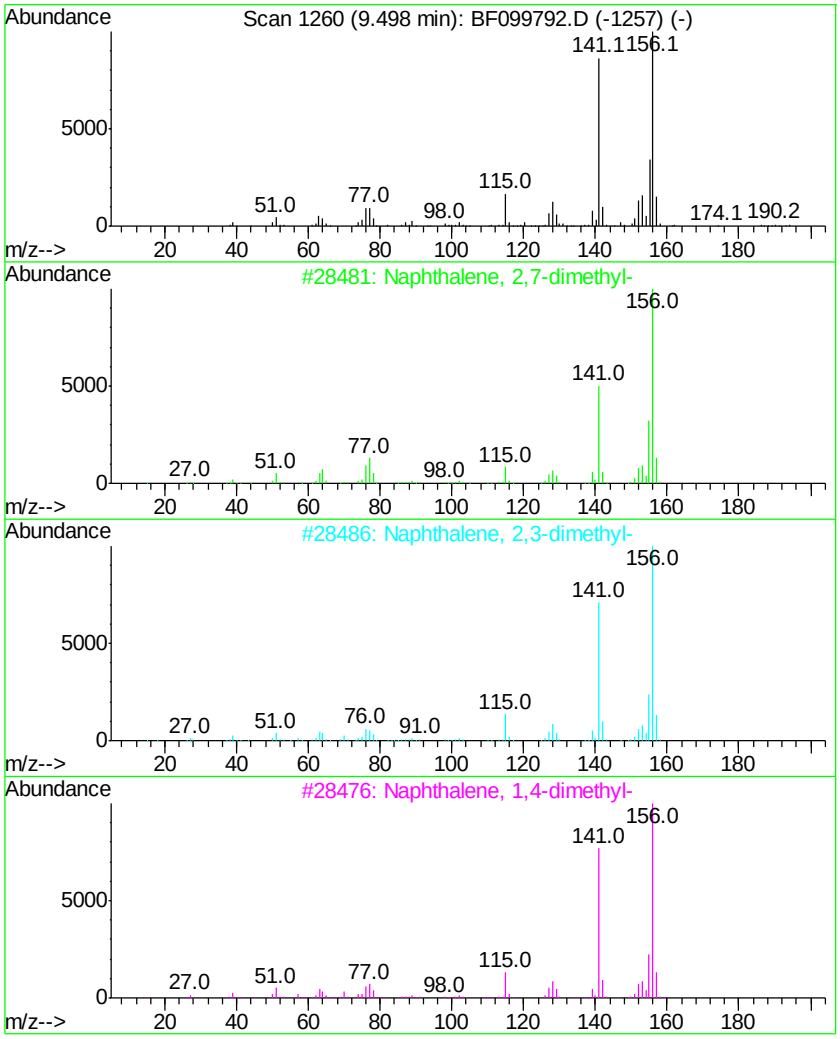
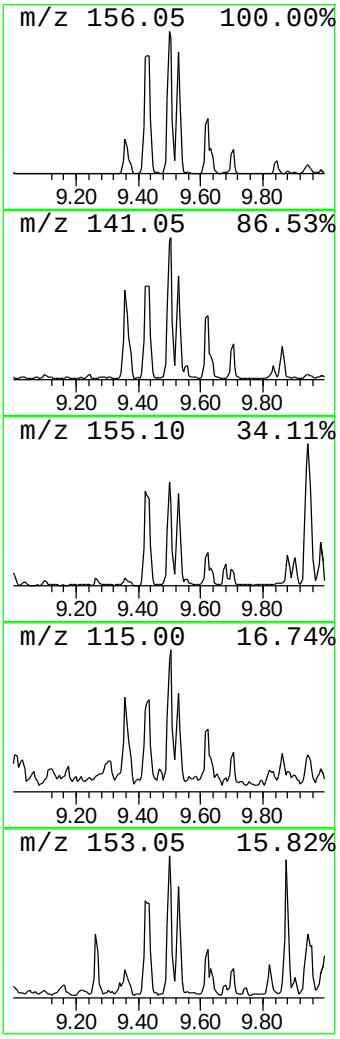
Peak Number 15 Naphthalene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	18.26 ng	579588	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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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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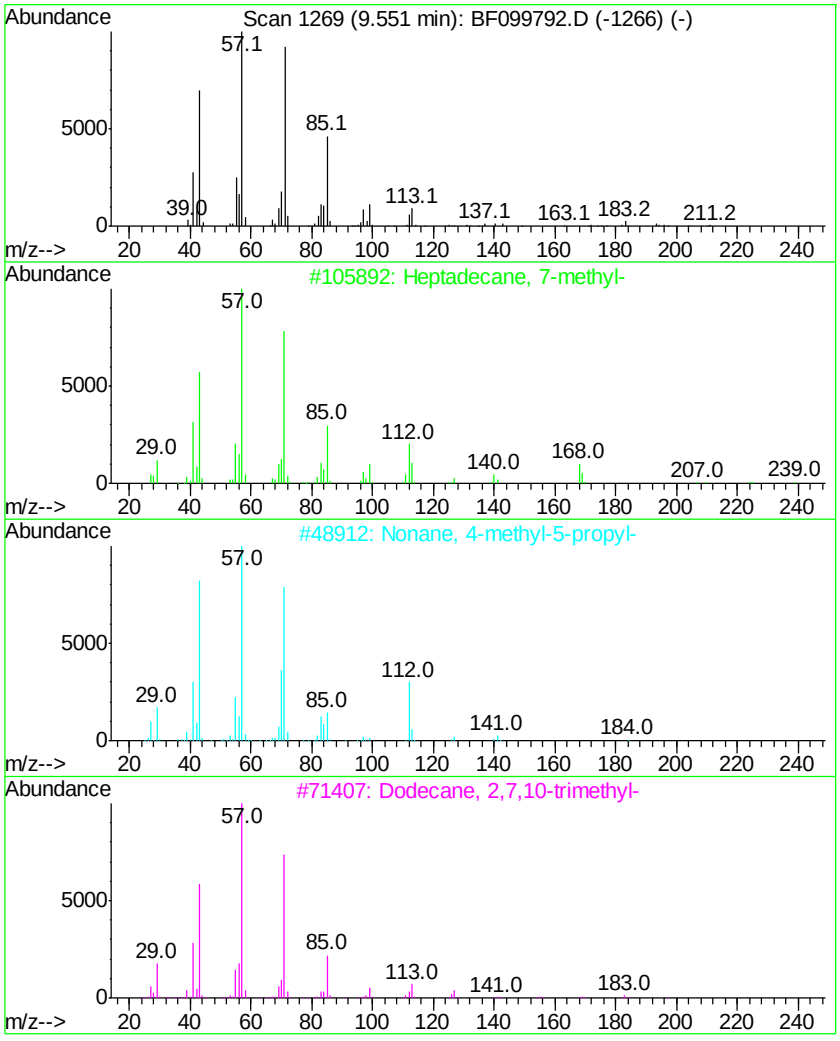
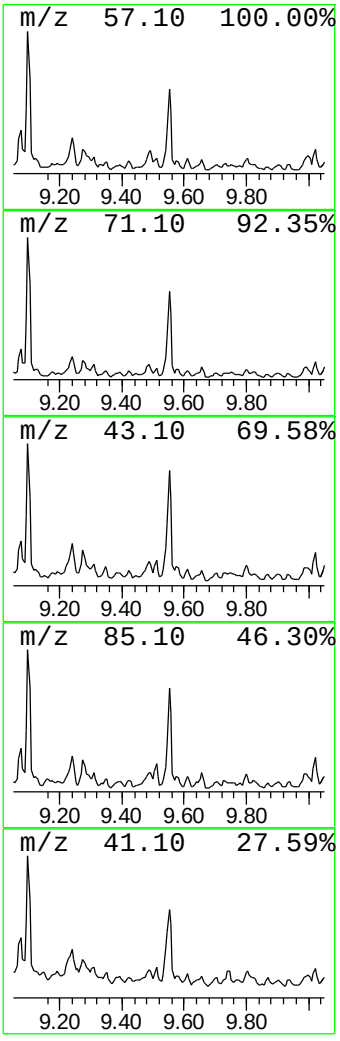
Peak Number 16 Heptadecane, 7-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	25.48 ng	808814	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	72
2	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	68
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
4	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	64
5	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	64





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Sample : I6019-01 10X
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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

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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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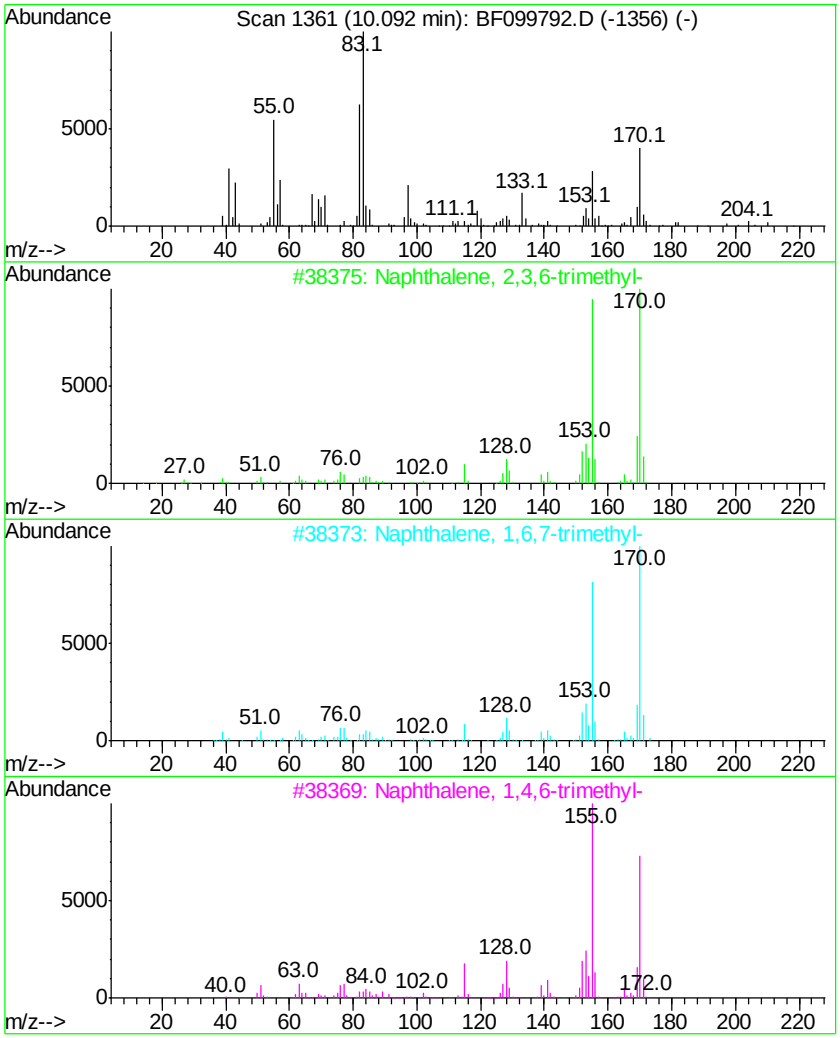
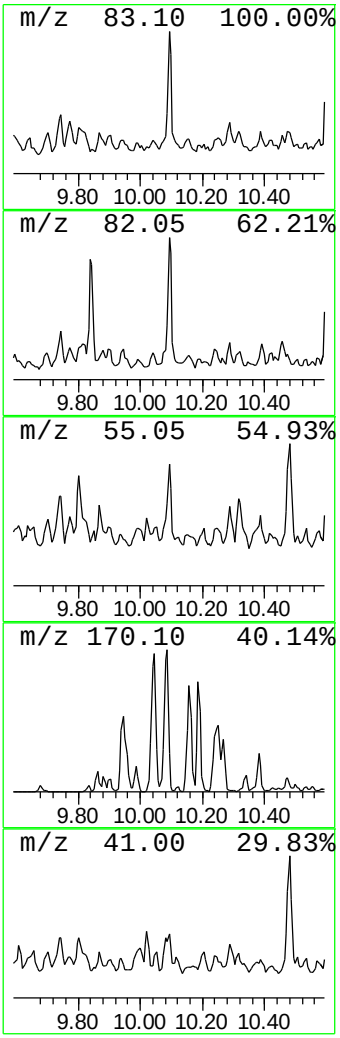
Peak Number 17 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	11.81 ng	375016	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90





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Data File : BF099792.D
Acq On : 24 Oct 2017 17:07
Operator : SJ/JU
Sample : I6019-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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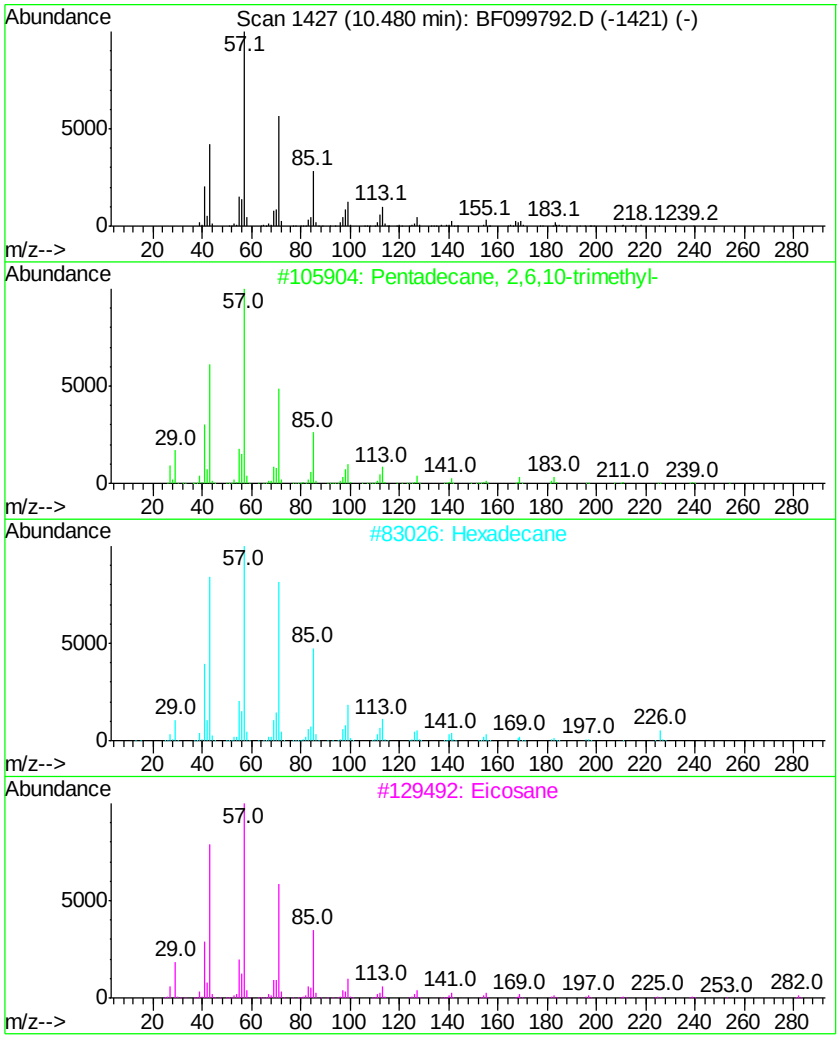
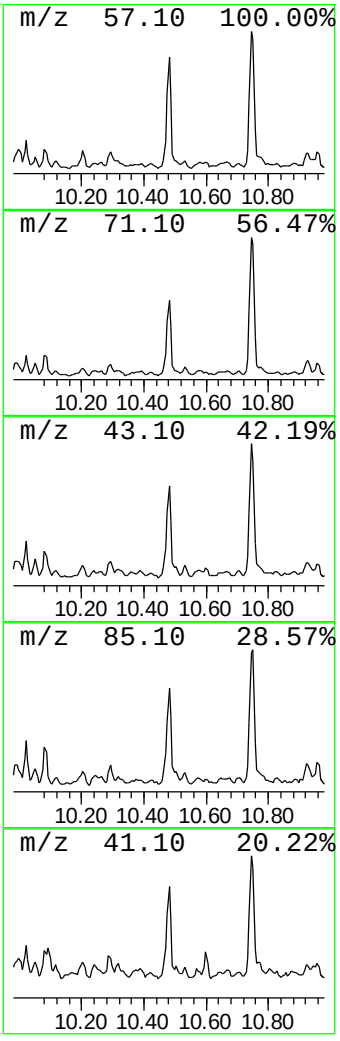
Peak Number 18 Pentadecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	20.38 ng	646916	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2	Hexadecane	226	C16H34	000544-76-3	87
3	Eicosane	282	C20H42	000112-95-8	86
4	Heptacosane	380	C27H56	000593-49-7	86
5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	81





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Data File : BF099792.D
Acq On : 24 Oct 2017 17:07
Operator : SJ/JU
Sample : I6019-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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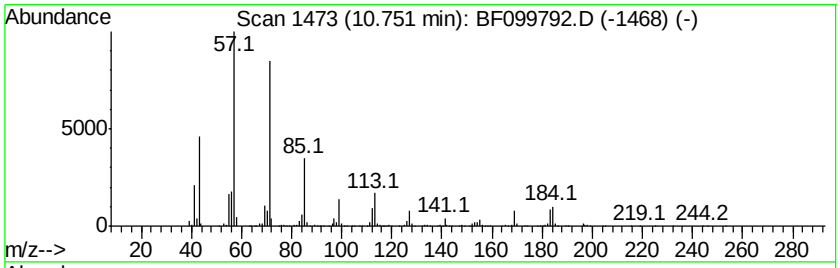
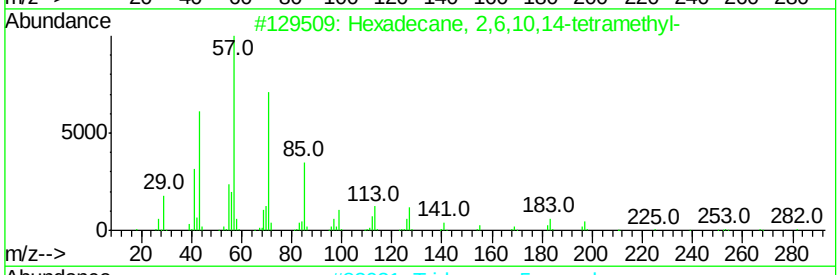
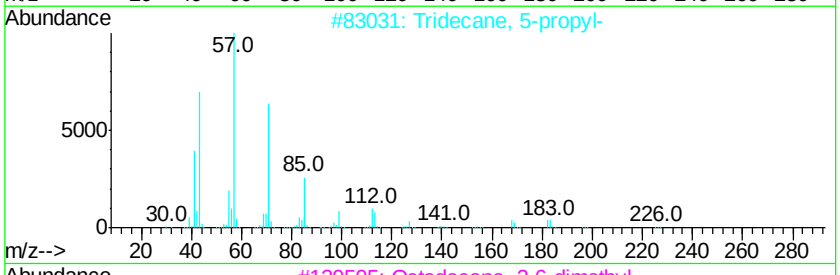
Peak Number 19 Hexadecane, 2,6,10,14-tetra... Concentration Rank 1

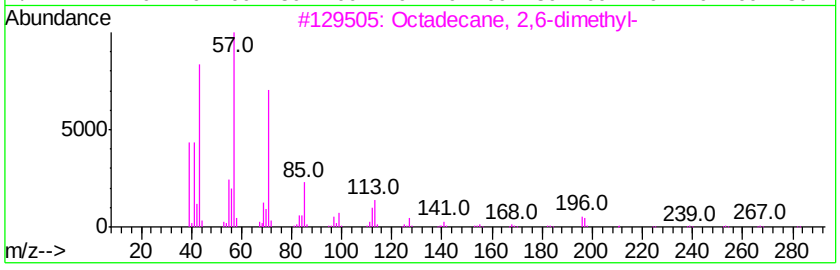
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	27.78 ng	961337	Phenanthrene-d10	11.33

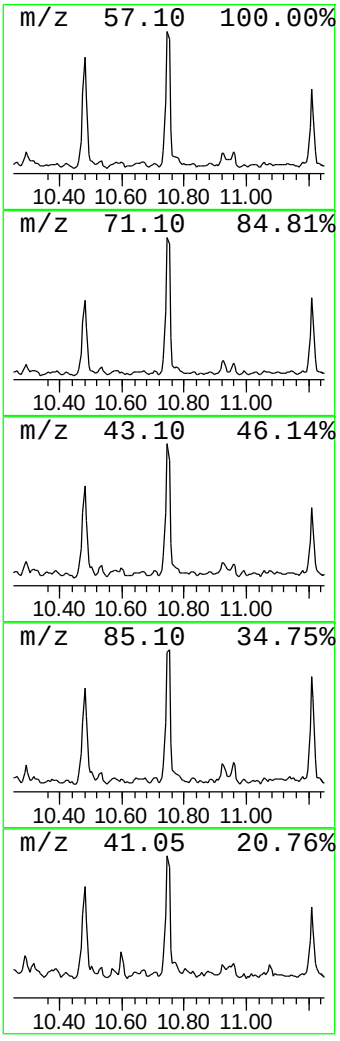
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
3	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	80
4	Heptacosane	380	C27H56	000593-49-7	78
5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	76











Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099792.D
Acq On : 24 Oct 2017 17:07
Operator : SJ/JU
Sample : I6019-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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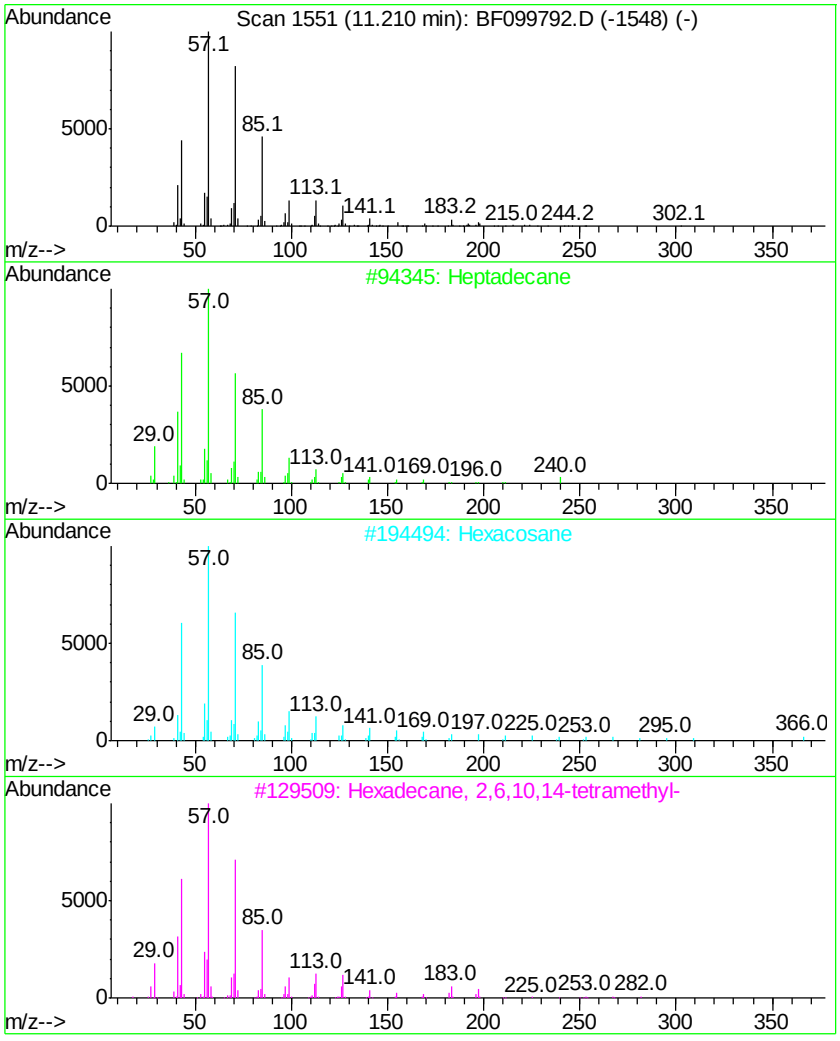
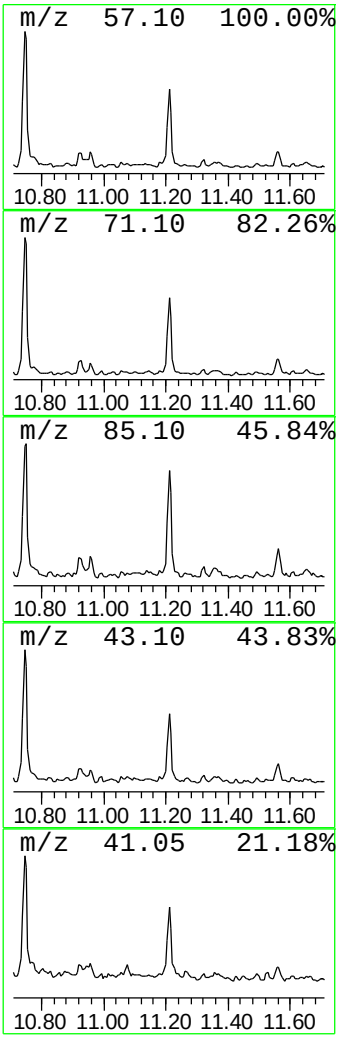
Peak Number 20 Heptadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	11.97 ng	414237	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Hexacosane	366	C26H54	000630-01-3	90
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
5	Octadecane	254	C18H38	000593-45-3	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102417\
Data File : BF099792.D
Acq On : 24 Oct 2017 17:07
Operator : SJ/JU
Sample : I6019-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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
Cyclohexane, (2-m...	6.94	11.4	ng	638571	1	6.80	1117220	20.0
Ether, heptyl hexyl	7.07	12.7	ng	711703	1	6.80	1117220	20.0
Decane, 2-methyl-	7.13	11.6	ng	648175	1	6.80	1117220	20.0
Decane, 3-methyl-	7.18	14.1	ng	785759	1	6.80	1117220	20.0
unknown7.44	7.44	17.3	ng	966691	1	6.80	1117220	20.0
Undecane, 5-methyl-	7.50	17.0	ng	1339290	2	8.09	1576710	20.0
Cyclohexane, pentyl-	7.70	13.1	ng	1031890	2	8.09	1576710	20.0
Heptane, 3-ethyl-...	7.76	11.2	ng	883189	2	8.09	1576710	20.0
o-Cymene	7.83	16.9	ng	1332680	2	8.09	1576710	20.0
Cyclohexane, (4-m...	8.37	24.2	ng	1911080	2	8.09	1576710	20.0
Dodecane, 4,6-dim...	8.50	20.9	ng	1645910	2	8.09	1576710	20.0
Cyclohexane, butyl-	8.99	18.8	ng	597977	3	9.85	634851	20.0
Dodecane, 2,7,10-...	9.10	23.4	ng	743480	3	9.85	634851	20.0
Naphthalene, 2,6-...	9.42	18.0	ng	570344	3	9.85	634851	20.0
Naphthalene, 2,7-...	9.50	18.3	ng	579588	3	9.85	634851	20.0
Heptadecane, 7-me...	9.55	25.5	ng	808814	3	9.85	634851	20.0
Naphthalene, 2,3,...	10.09	11.8	ng	375016	3	9.85	634851	20.0
Pentadecane, 2,6,...	10.48	20.4	ng	646916	3	9.85	634851	20.0
Hexadecane, 2,6,1...	10.75	27.8	ng	961337	4	11.33	691995	20.0
Heptadecane	11.21	12.0	ng	414237	4	11.33	691995	20.0