LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012418\
Data File : BF102407.D
Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

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-BF012218.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	3.769	251	286	288	rVV	7694433	36723217	100.00%	9.895%
2	3.828	288	296	301	rVV	1174406	1923655	5.24%	0.518%
3	3.975	309	321	325	rBV	1539032	2708192	7.37%	0.730%
4	4.022	325	329	335	rVB	726811	976450	2.66%	0.263%
5	4.316	368	379	386	rVB2	4144613	7471145	20.34%	2.013%
6	4.422	389	397	402	rBV	677507	936045	2.55%	0.252%
7	4.740	446	451	456	rVB	1026945	1229397	3.35%	0.331%
8	4.846	462	469	474	rVB2	1838191	3571260	9.72%	0.962%
9	4.899	474	478	481	rBV	964977	1006227	2.74%	0.271%
10	5.104	508	513	517	rBV	1260655	1625778	4.43%	0.438%
11	5.187	522	527	531	rVV	4351725	5815821	15.84%	1.567%
12	5.222	531	533	540	rVB	931820	1500474	4.09%	0.404%
13	5.328	540	551	552	rBV2	7493187	18835413	51.29%	5.075%
14	5.481	573	577	581	rBV3	632207	923269	2.51%	0.249%
15	5.522	581	584	587	rBV	1046174	1029828	2.80%	0.277%
16	5.569	587	592	595	rVV	5711418	7654705	20.84%	2.063%
17	5.628	597	602	605	rVB	4455830	4562588	12.42%	1.229%
18	5.734	613	620	623	rBV4	1385687	1910646	5.20%	0.515%
19	5.781	623	628	631	rBV2	1032837	1531611	4.17%	0.413%
20	5.863	639	642	647	rVB3	2192358	3169168	8.63%	0.854%
21	5.916	647	651	653	rBV	874942	1025242	2.79%	0.276%
22	5.963	656	659	665	rBV4	4052294	5428570	14.78%	1.463%
23	6.016	665	668	671	rVB	1855004	1825338	4.97%	0.492%
24	6.157	686	692	694	rBV2	2536781	3895916	10.61%	1.050%
25	6.222	700	703	705	rVV	1986841	1836152	5.00%	0.495%
26	6.251	705	708	711	rVV2	4389881	5794331	15.78%	1.561%
27	6.281	711	713	716	rVB	2537198	2171333	5.91%	0.585%
28	6.334	716	722	724	rBV2	4102200	7124712	19.40%	1.920%
29	6.369	724	728	730	rBV2	2311188	2315288	6.30%	0.624%
30	6.410	733	735	739	rVB2	1669969	2035135	5.54%	0.548%
31	6.463	739	744	746	rBV3	2085955	3172874	8.64%	0.855%
32	6.498	746	750	755	rVB3	3229895	4448118	12.11%	1.199%
33	6.563	755	761	767	rVB4	6861944	14751488	40.17%	3.975%
34	6.669	772	779	780	rBV5	1516997	2654092	7.23%	0.715%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012418\
Data File : BF102407.D
Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

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-BF012218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.716	785	787	788	rVV	1401899	1346335	3.67%	0.363%
36	6.751	788	793	796	rVV3	4241392	5483656	14.93%	1.478%
37	6.787	796	799	802	rVV2	3806383	4787836	13.04%	1.290%
38	6.845	806	809	811	rVV	1883715	1721094	4.69%	0.464%
39	6.875	811	814	818	rVV2	3904388	5317946	14.48%	1.433%
40	6.904	818	819	822	rVB	2044768	1587970	4.32%	0.428%
41	6.957	825	828	830	rBV2	1115526	1440817	3.92%	0.388%
42	7.004	832	836	839	rVB4	3922766	5408990	14.73%	1.458%
43	7.051	839	844	846	rBV2	3656235	6447589	17.56%	1.737%
44	7.075	846	848	851	rVB2	3804219	3425941	9.33%	0.923%
45	7.122	851	856	859	rBV2	4779256	6614824	18.01%	1.782%
46	7.198	865	869	871	rBV	1439632	1770418	4.82%	0.477%
47	7.222	871	873	875	rVV	2132754	1778293	4.84%	0.479%
48	7.269	875	881	883	rVV3	4627338	7393078	20.13%	1.992%
49	7.304	883	887	889	rVV3	3136063	5386288	14.67%	1.451%
50	7.345	889	894	896	rVV	5664074	9723908	26.48%	2.620%
51	7.381	896	900	903	rVV4	3211634	5308241	14.45%	1.430%
52	7.416	903	906	907	rVV3	2186288	2322758	6.33%	0.626%
53	7.440	907	910	914	rVV3	3025361	4528550	12.33%	1.220%
54	7.481	914	917	919	rVV3	1596372	2274981	6.19%	0.613%
55	7.510	919	922	924	rVV2	3542415	4742944	12.92%	1.278%
56	7.534	924	926	930	rVV2	3855127	4649618	12.66%	1.253%
57	7.610	935	939	940	rVV2	1983881	2271703	6.19%	0.612%
58	7.634	940	943	945	rVV2	3987051	4895580	13.33%	1.319%
59	7.657	945	947	950	rVV2	3025789	4162078	11.33%	1.122%
60	7.692	950	953	956	rVV3	2955814	4251027	11.58%	1.145%
61	7.728	956	959	961	rVV4	3088058	3616470	9.85%	0.974%
62	7.757	961	964	966	rVV3	4378955	5758620	15.68%	1.552%
63	7.804	969	972	973	rVV	2718248	2646719	7.21%	0.713%
64	7.822	973	975	981	rVV5	2150483	3609642	9.83%	0.973%
65	7.881	981	985	988	rVV2	1446291	1559618	4.25%	0.420%
66	7.957	993	998	1000	rVV4	1644270	2755794	7.50%	0.743%
67	7.992	1000	1004	1007	rVV2	5107392	7343025	20.00%	1.979%
68	8.034	1007	1011	1013	rVV2	3929836	4782443	13.02%	1.289%
69	8.063	1013	1016	1019	rVB2	3177315	3516641	9.58%	0.948%
70	8.292	1047	1055	1059	rBV6	1474831	2064907	5.62%	0.556%
71	8.375	1066	1069	1073	rVB5	848942	1015910	2.77%	0.274%

LSC Area Percent Report

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Data File : BF102407.D
Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

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-BF012218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.416	1073	1076	1078	rBV	1305498	1185731	3.23%	0.320%
73	8.587	1102	1105	1108	rBV	1281208	1063611	2.90%	0.287%
74	8.992	1155	1174	1176	rBV	1581924	4681847	12.75%	1.262%
75	9.075	1183	1188	1191	rBV	3290856	2840927	7.74%	0.766%
76	9.410	1238	1245	1248	rVV3	659842	918447	2.50%	0.247%
77	9.751	1294	1303	1305	rBV2	1322646	1337215	3.64%	0.360%
78	9.945	1331	1336	1338	rBV	1134544	1407641	3.83%	0.379%
79	10.028	1338	1350	1352	rVB3	2297444	5846713	15.92%	1.575%
80	10.539	1434	1437	1441	rVB	1542880	1401559	3.82%	0.378%
81	10.928	1497	1503	1508	rBV	1063180	1497481	4.08%	0.404%
82	11.033	1518	1521	1524	rVV	1770704	1420666	3.87%	0.383%
83	11.233	1552	1555	1558	rVV	1072491	906885	2.47%	0.244%
84	11.816	1645	1654	1657	rBV	5051495	8660928	23.58%	2.334%
85	11.875	1661	1664	1667	rVV	1234679	1162891	3.17%	0.313%
86	11.939	1671	1675	1676	rVV	979817	918066	2.50%	0.247%
87	11.963	1676	1679	1682	rVV	2174702	1791495	4.88%	0.483%
88	12.016	1685	1688	1694	rVB	1975516	1706323	4.65%	0.460%
89	12.322	1737	1740	1743	rVB	2216536	1841526	5.01%	0.496%
90	12.645	1791	1795	1797	rBV	1671457	1605902	4.37%	0.433%
91	12.698	1800	1804	1807	rVB	2681073	2454882	6.68%	0.661%
92	12.822	1821	1825	1828	rVV	2058295	1871603	5.10%	0.504%
93	13.051	1860	1864	1867	rVB	2691207	2480509	6.75%	0.668%
94	13.269	1895	1901	1908	rBV3	984906	1608716	4.38%	0.433%
95	13.392	1919	1922	1929	rVB	2444726	2283133	6.22%	0.615%
96	13.721	1974	1978	1983	rBV	2108408	1969306	5.36%	0.531%
97	14.039	2028	2032	2034	rVV	1467960	1422003	3.87%	0.383%
98	14.339	2079	2083	2088	rBV	1254580	1205964	3.28%	0.325%
99	14.639	2130	2134	2141	rBV	931039	932649	2.54%	0.251%
100	15.304	2242	2247	2258	rVB2	676831	1393613	3.79%	0.376%

Sum of corrected areas: 371113962

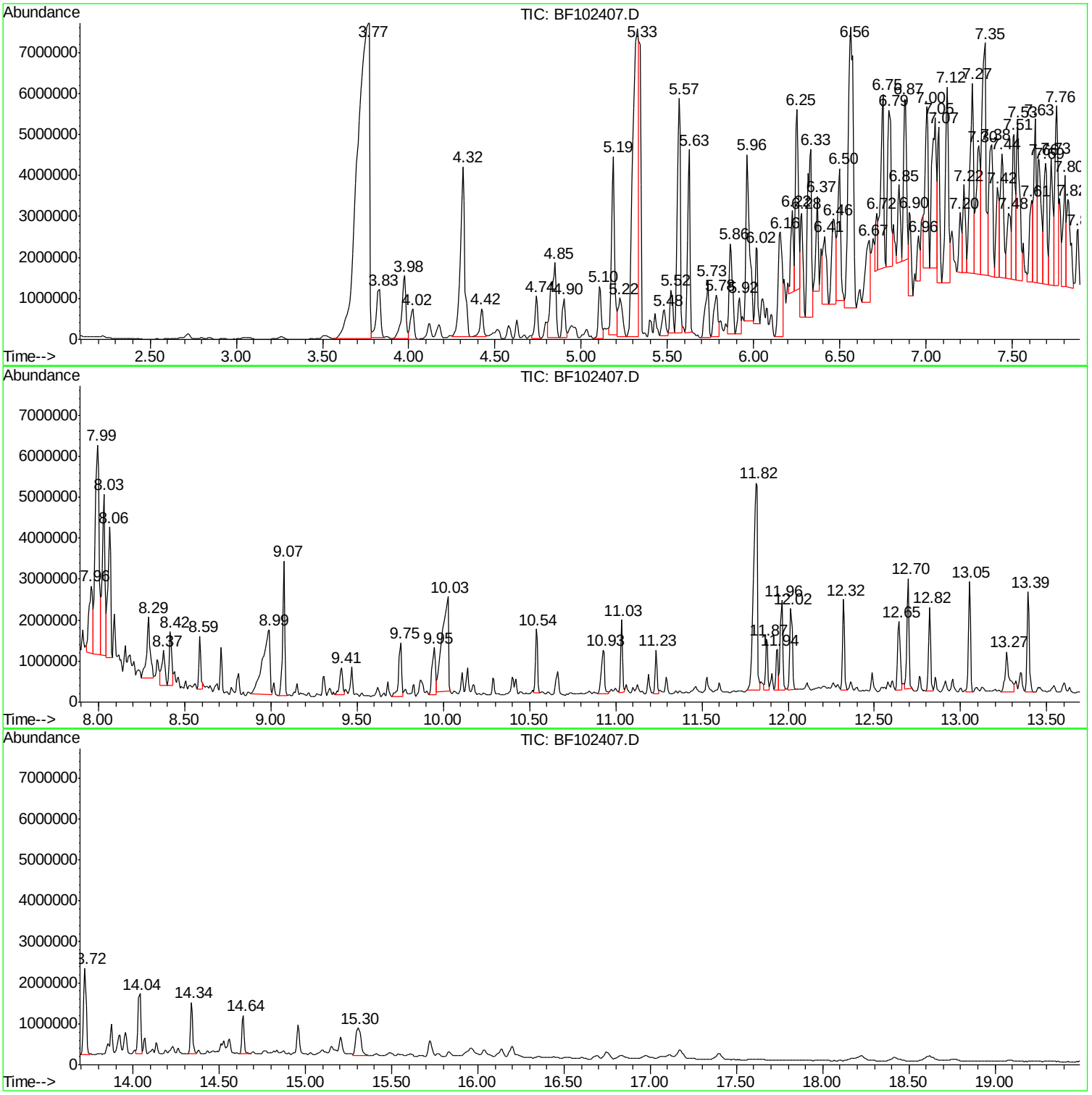
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012418\
Data File : BF102407.D
Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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\BF012418\
Data File : BF102407.D
Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

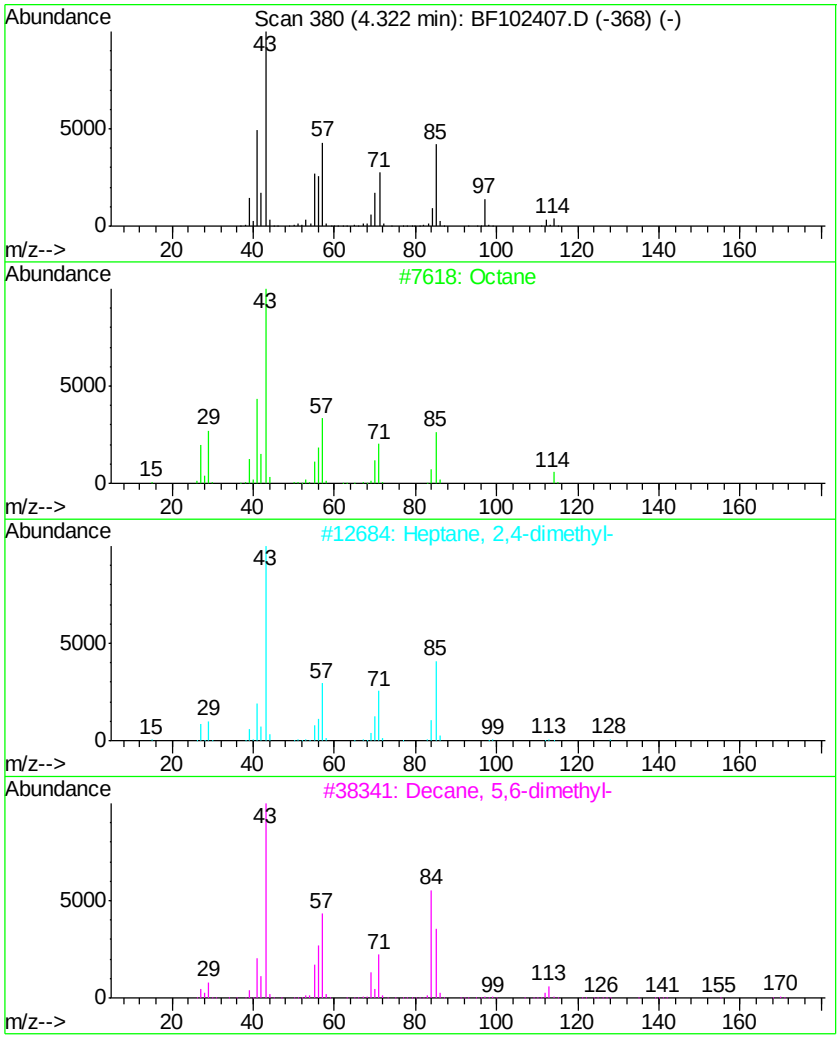
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

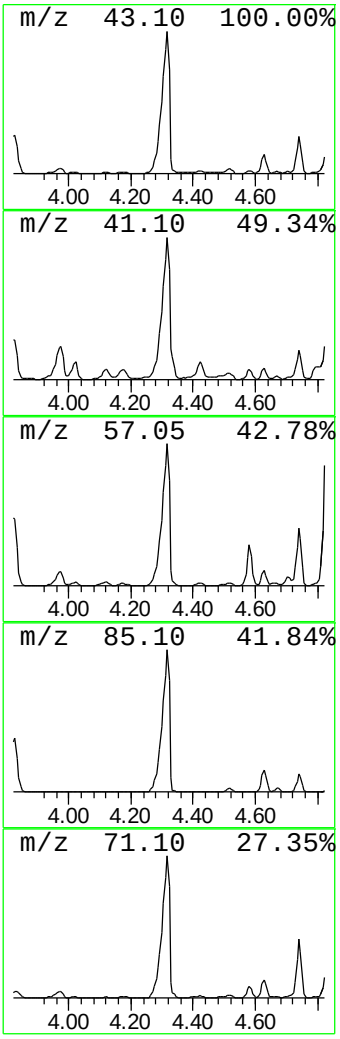
****

Peak Number 2 Octane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.32	110.99 ng	7471150	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
3	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	72
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	59
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012418\
Data File : BF102407.D
Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

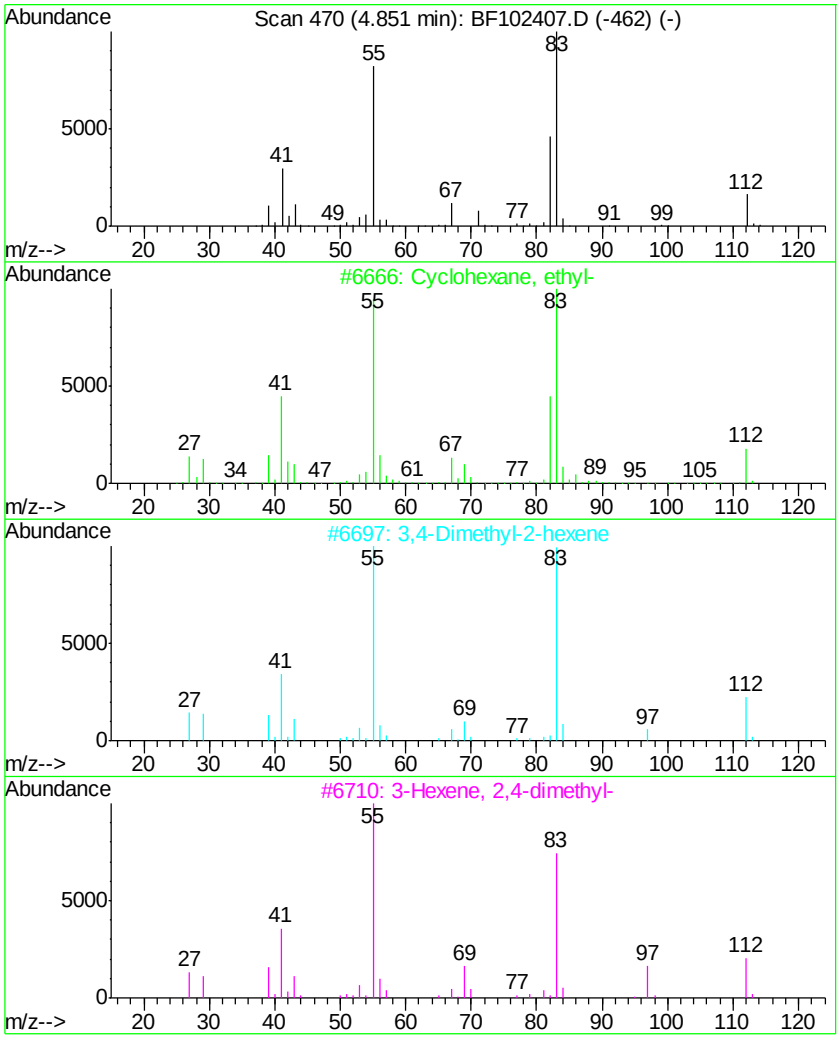
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

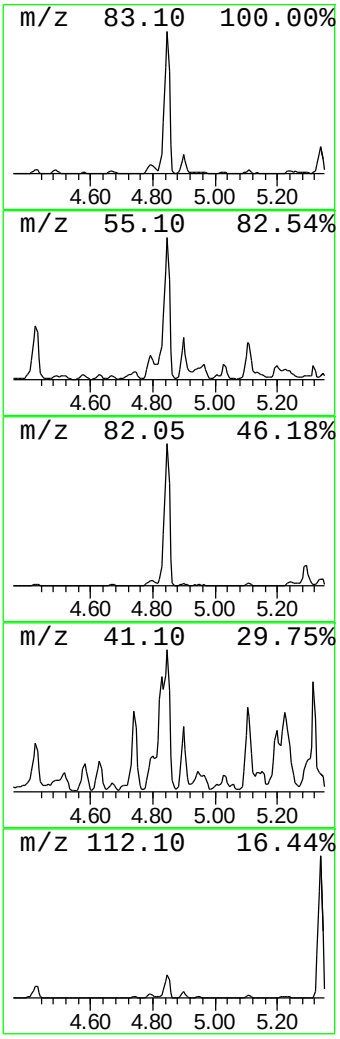
****

Peak Number 3 Cyclohexane, ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	53.05 ng	3571260	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	58
3	3-Hexene, 2,4-dimethyl-	112	C8H16	082085-14-1	53
4	Oxalic acid, cyclohexyl isobutyl...	228	C12H20O4	1000309-30-4	53
5	3-Hexene, 2,2-dimethyl-, (Z)-	112	C8H16	000690-92-6	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012418\
Data File : BF102407.D
Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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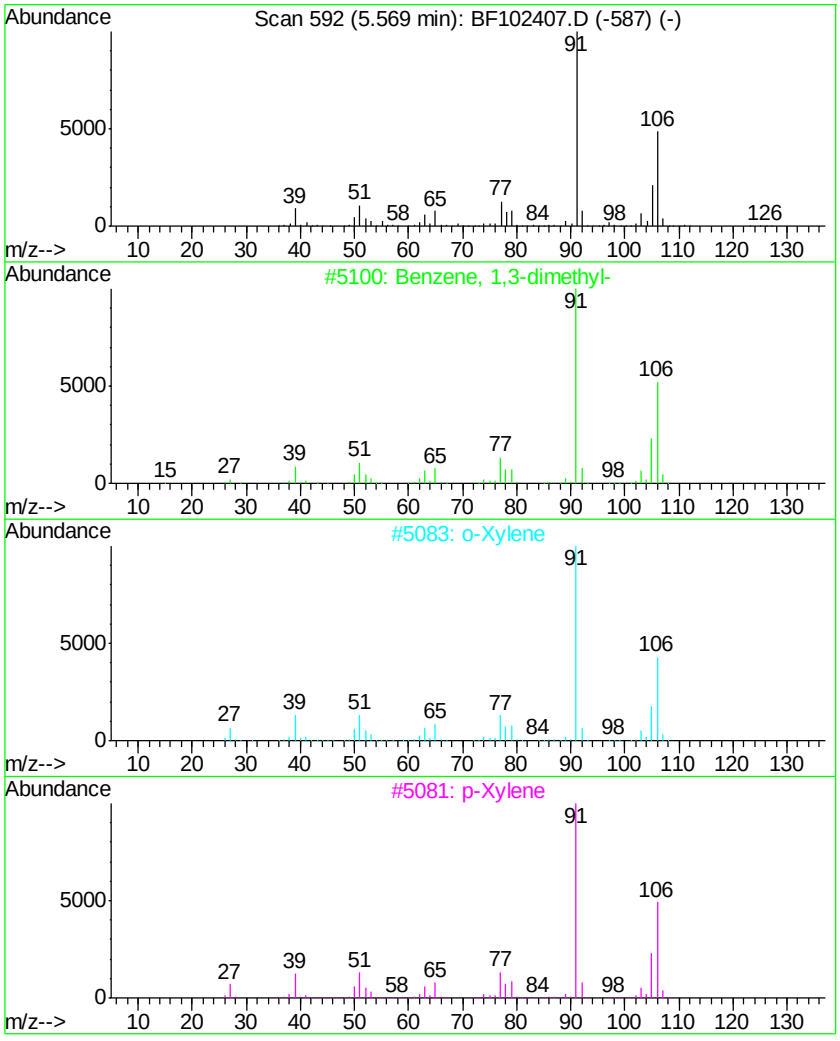
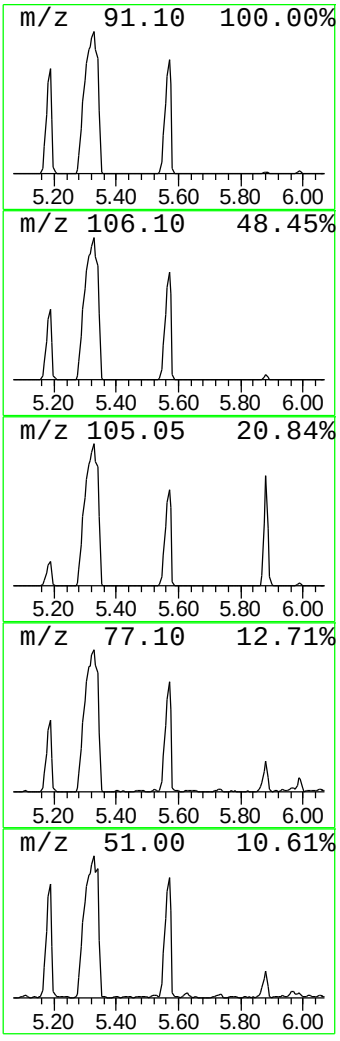
Peak Number 5 Benzene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.57	113.71 ng	7654710	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	o-Xylene	106	C8H10	000095-47-6	97
3	p-Xylene	106	C8H10	000106-42-3	97
4	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	90
5	Cyclopentene, 1-ethenyl-3-methyl...	106	C8H10	061142-07-2	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012418\
Data File : BF102407.D
Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

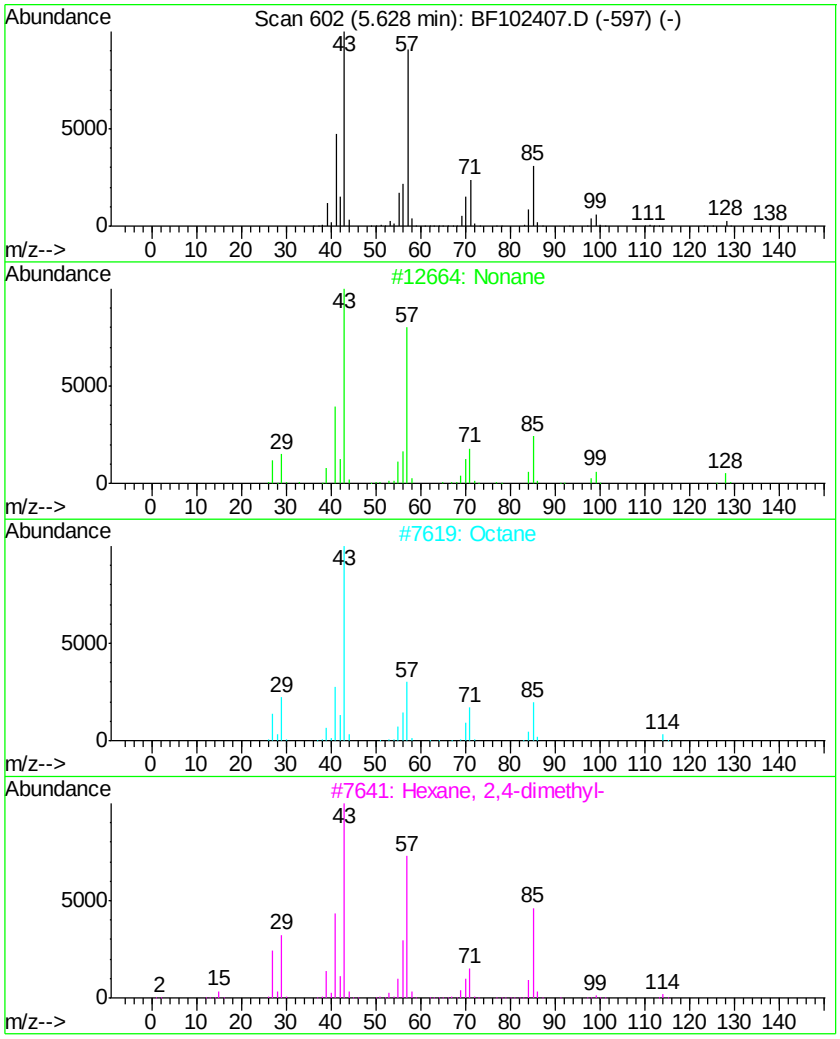
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

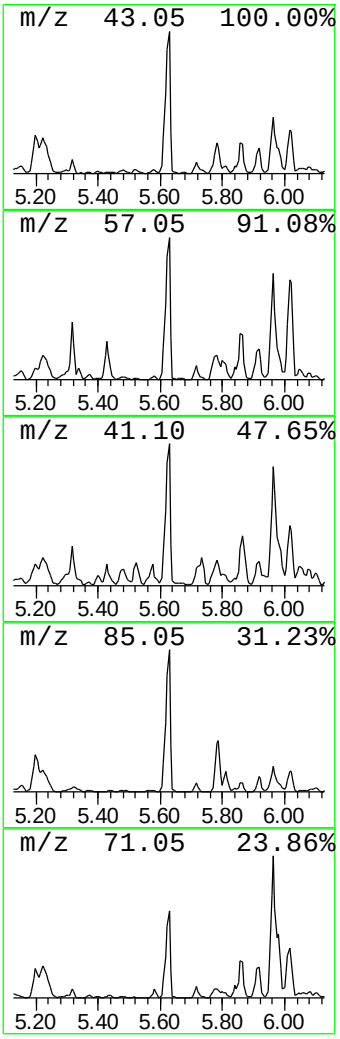
****

Peak Number 6 Nonane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	67.78 ng	4562590	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	91
2	Octane	114	C8H18	000111-65-9	80
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
4	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	59
5	Octane, 4-methyl-	128	C9H20	002216-34-4	58





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012418\
Data File : BF102407.D
Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

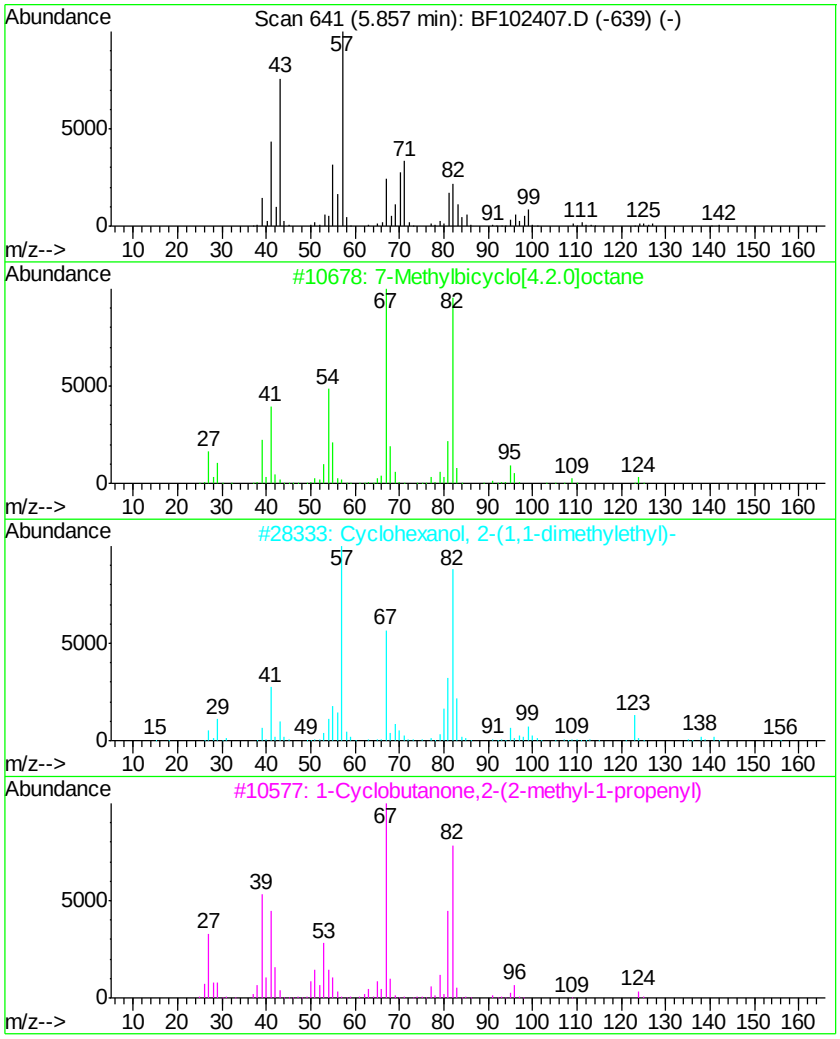
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

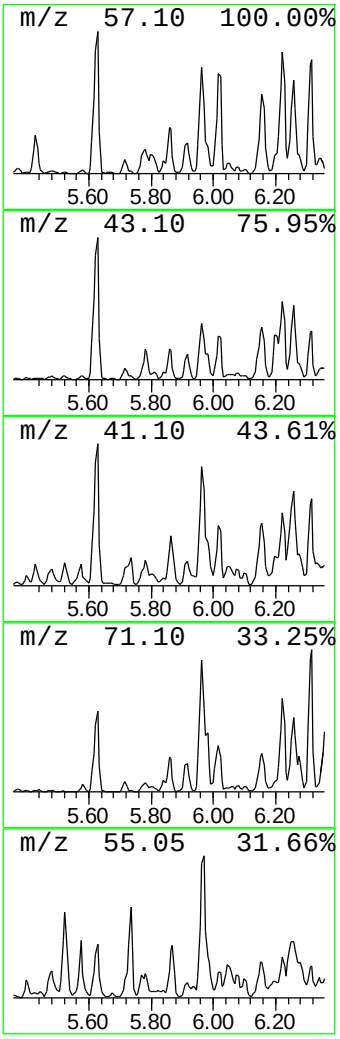
****

Peak Number 7 7-Methylbicyclo[4.2.0]octane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.86	47.08 ng	3169170	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	53
2	Cyclohexanol, 2-(1,1-dimethyleth...	156	C10H20O	013491-79-7	53
3	1-Cyclobutanone,2-(2-methyl-1-pr...	124	C8H12O	091531-45-2	46
4	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	43
5	1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	43





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Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
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Instrument : BNA_F
ClientSampleId : 20A-5

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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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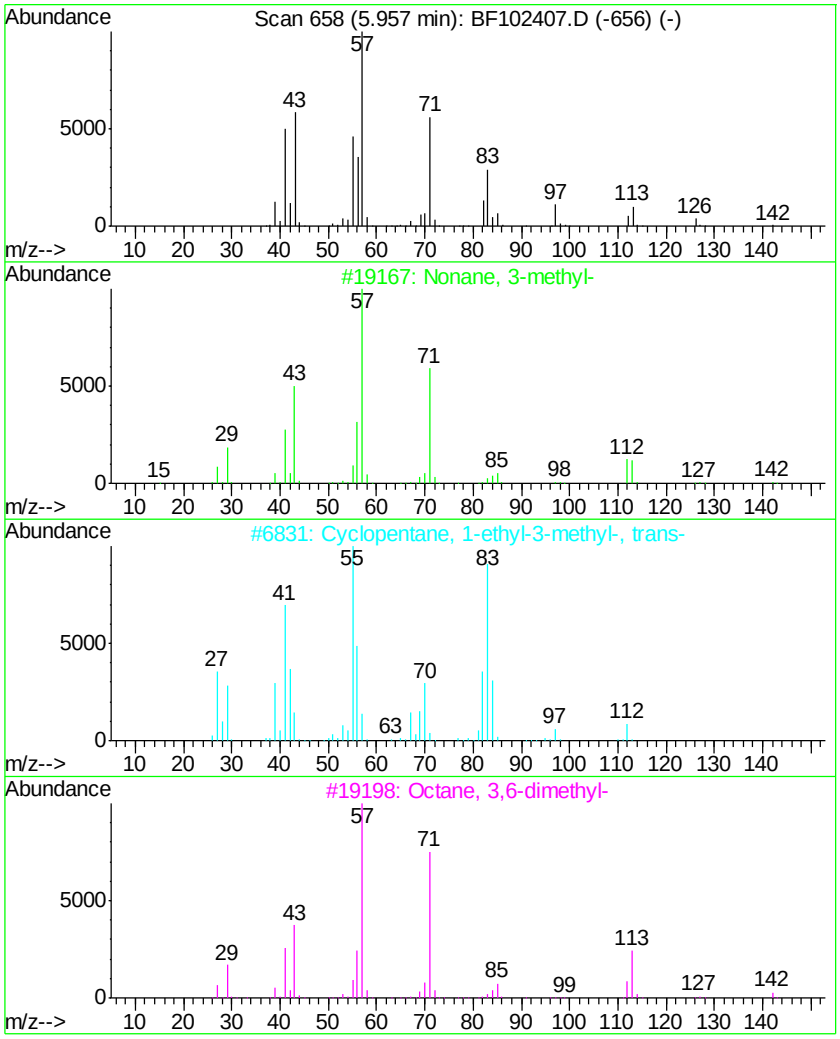
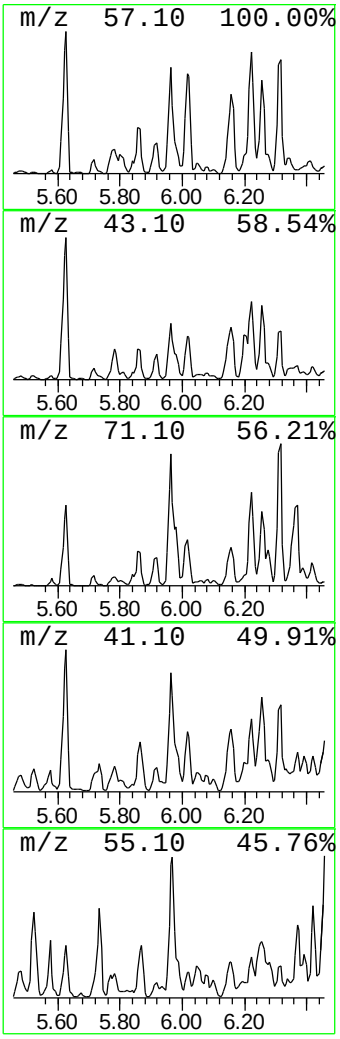
Peak Number 8 unknown5.96 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	80.64 ng	5428570	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	49
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	46
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46
4	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	46
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46





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Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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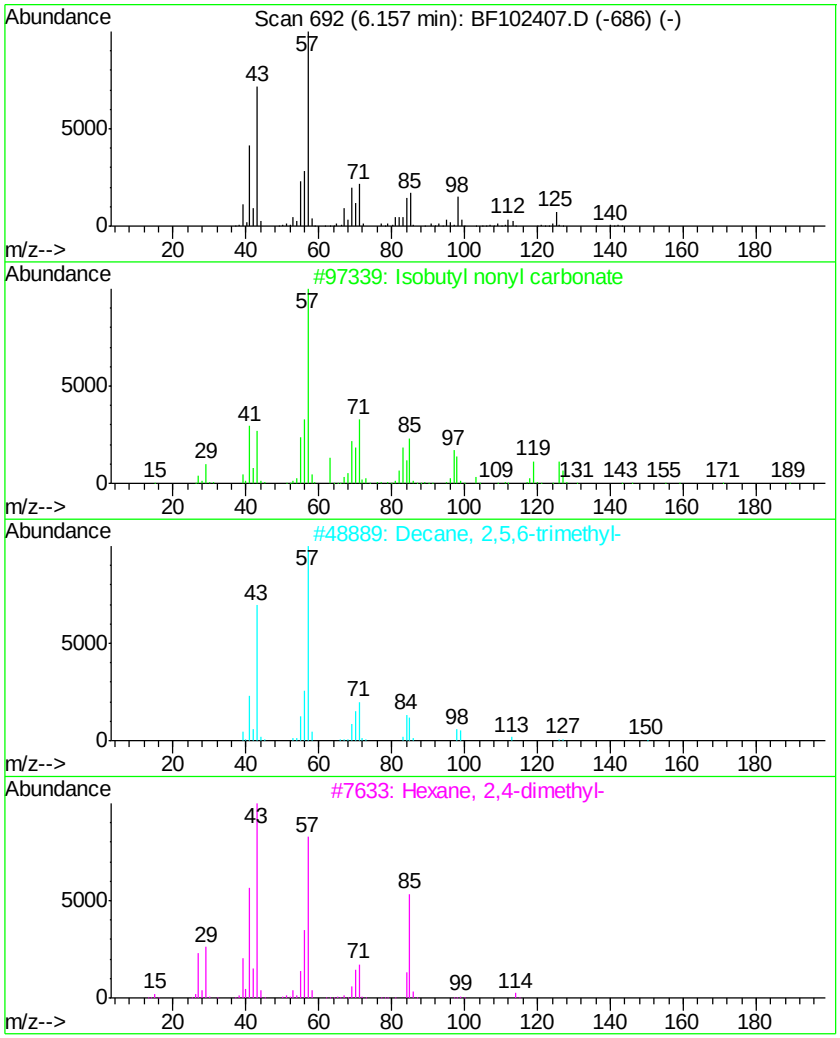
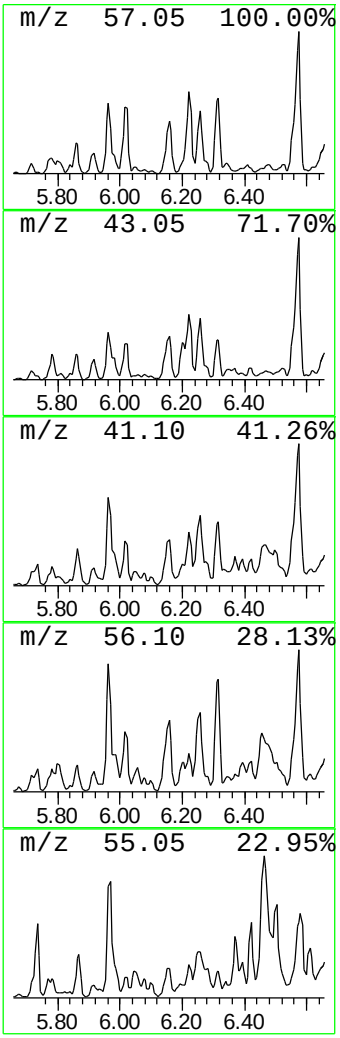
Peak Number 9 Isobutyl nonyl carbonate Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.16	57.87 ng	3895920	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	59
2	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	50
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
4	Carbonic acid, butyl 2-ethylhexy...	230	C13H26O3	1000357-84-4	47
5	Decane	142	C10H22	000124-18-5	47





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Instrument : BNA_F
ClientSampleId : 20A-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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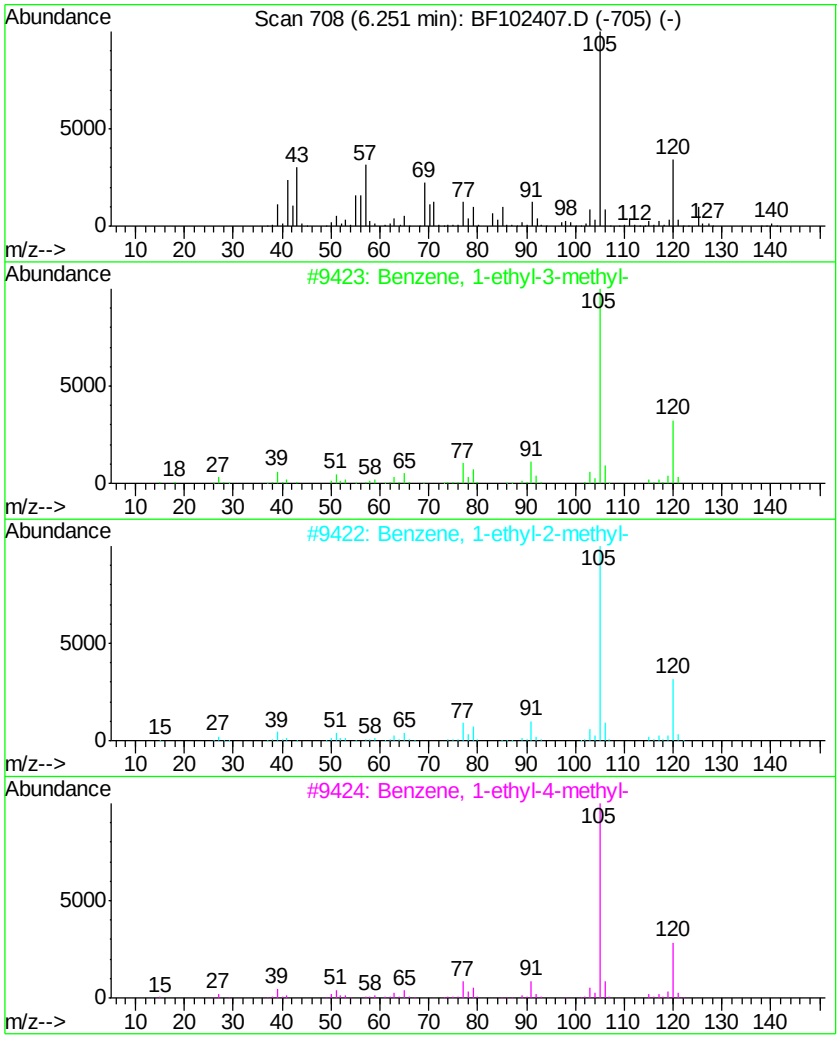
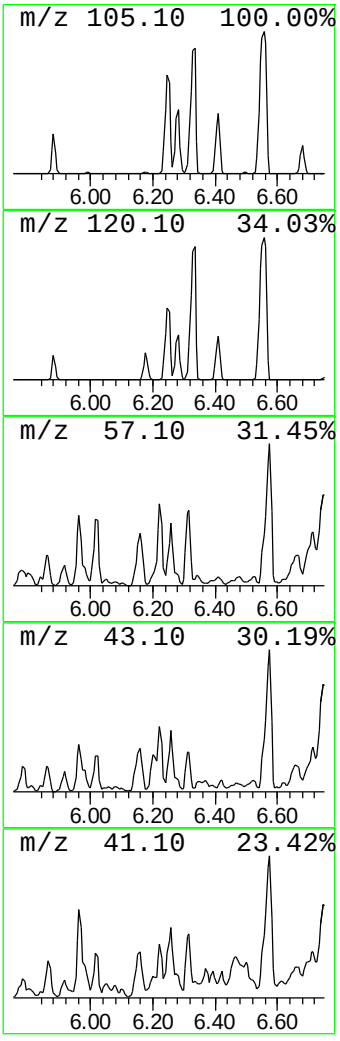
Peak Number 10 Benzene, 1-ethyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.25	86.08 ng	5794330	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	70
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	64
5	Mesitylene	120	C9H12	000108-67-8	64





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Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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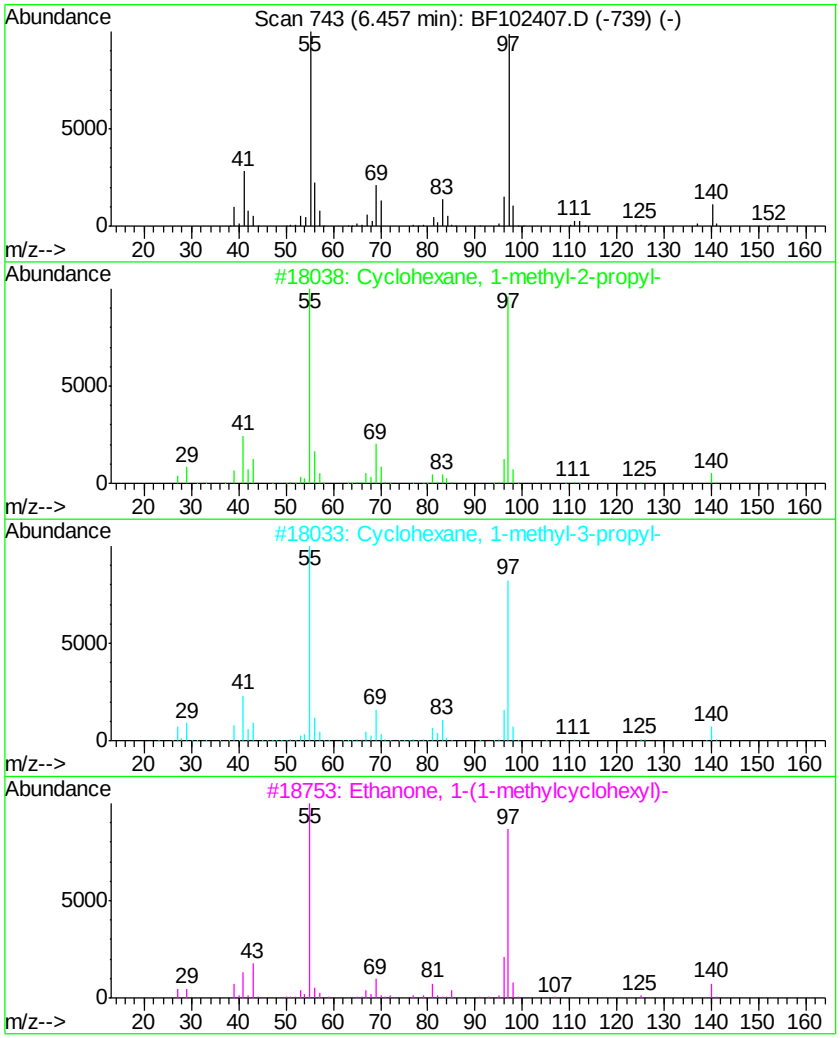
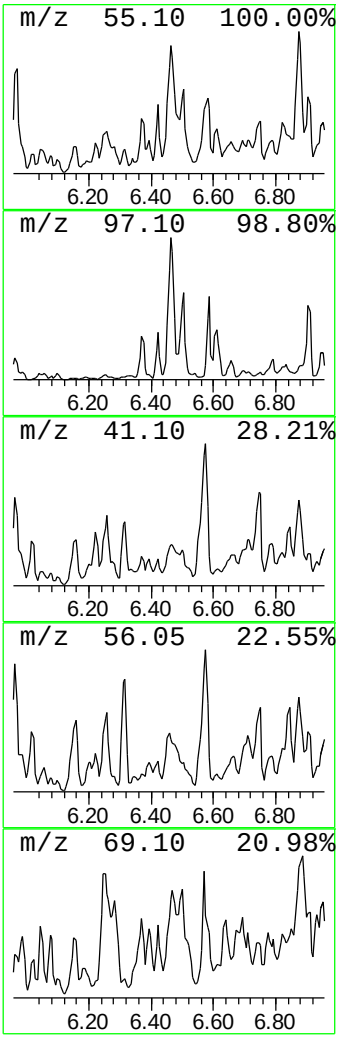
Peak Number 11 Cyclohexane, 1-methyl-2-pro... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	47.13 ng	3172870	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	90
2	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	90
3	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	80
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	80
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72





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Operator : SJ/JU
Sample : J1236-04
Misc :
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Instrument : BNA_F
ClientSampleId : 20A-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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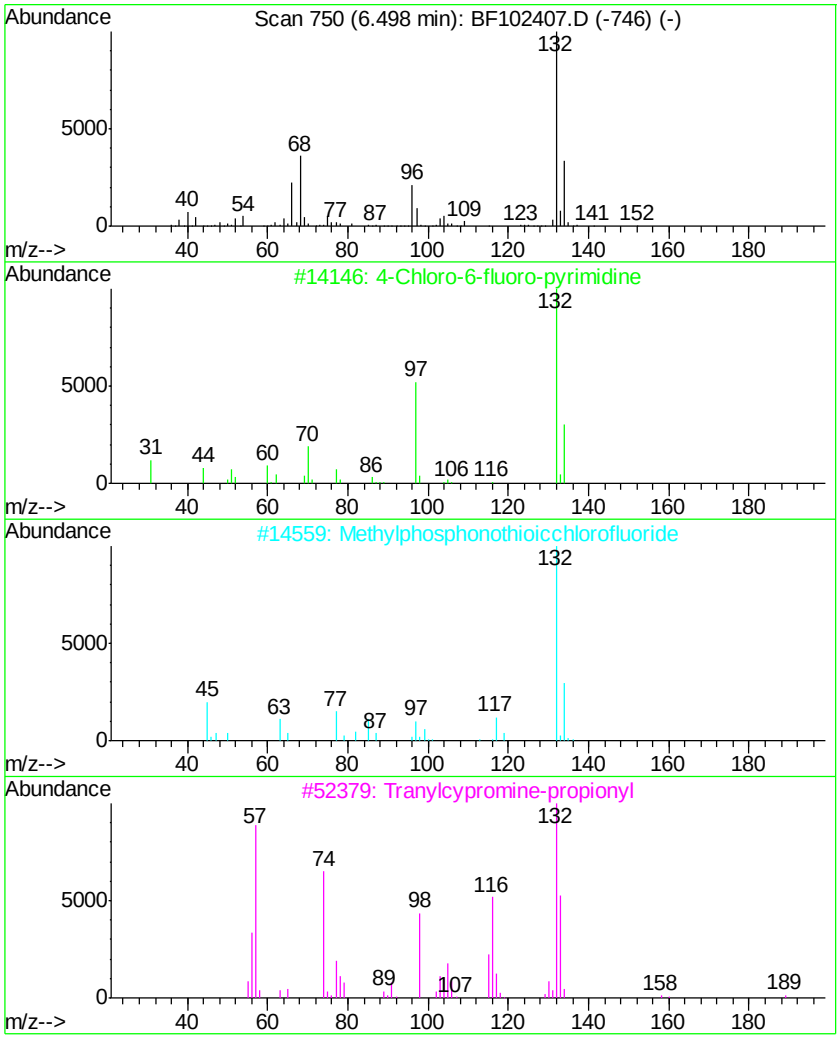
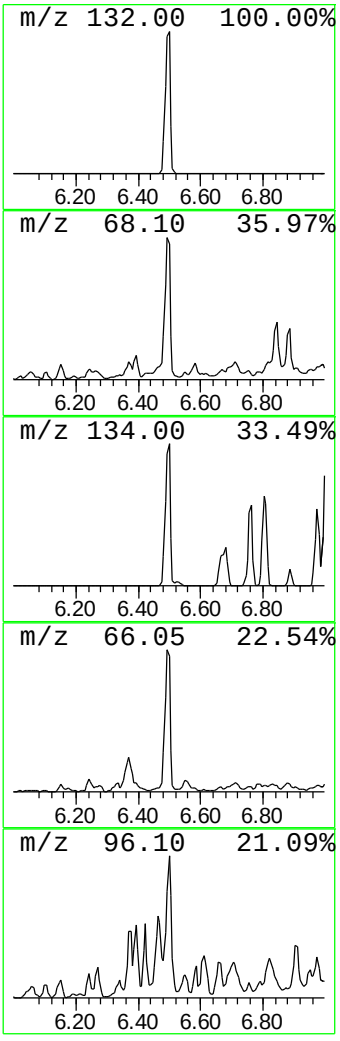
Peak Number 12 unknown6.50 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	66.08 ng	4448120	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	35
2	Methylphosphonothioicchlorofluoride	132	CH3ClFPS	027127-27-1	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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Acq On : 24 Jan 2018 23:14
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Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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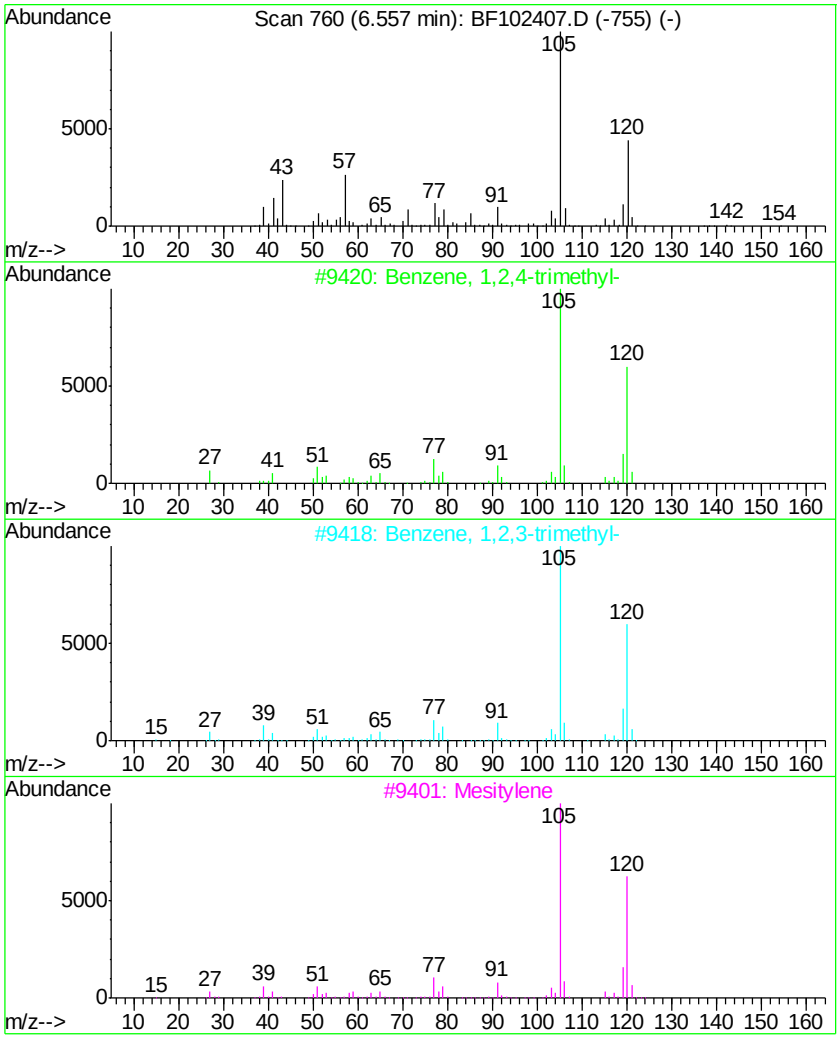
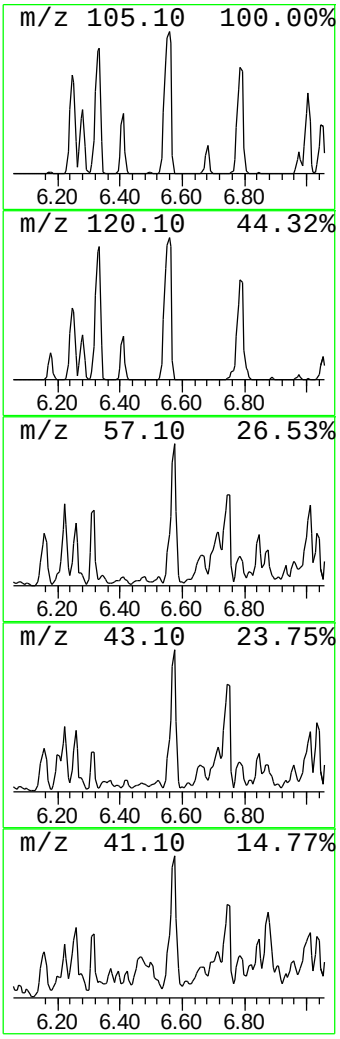
Peak Number 13 Benzene, 1,2,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	219.14 ng	14751500	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3	Mesitylene	120	C9H12	000108-67-8	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87





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Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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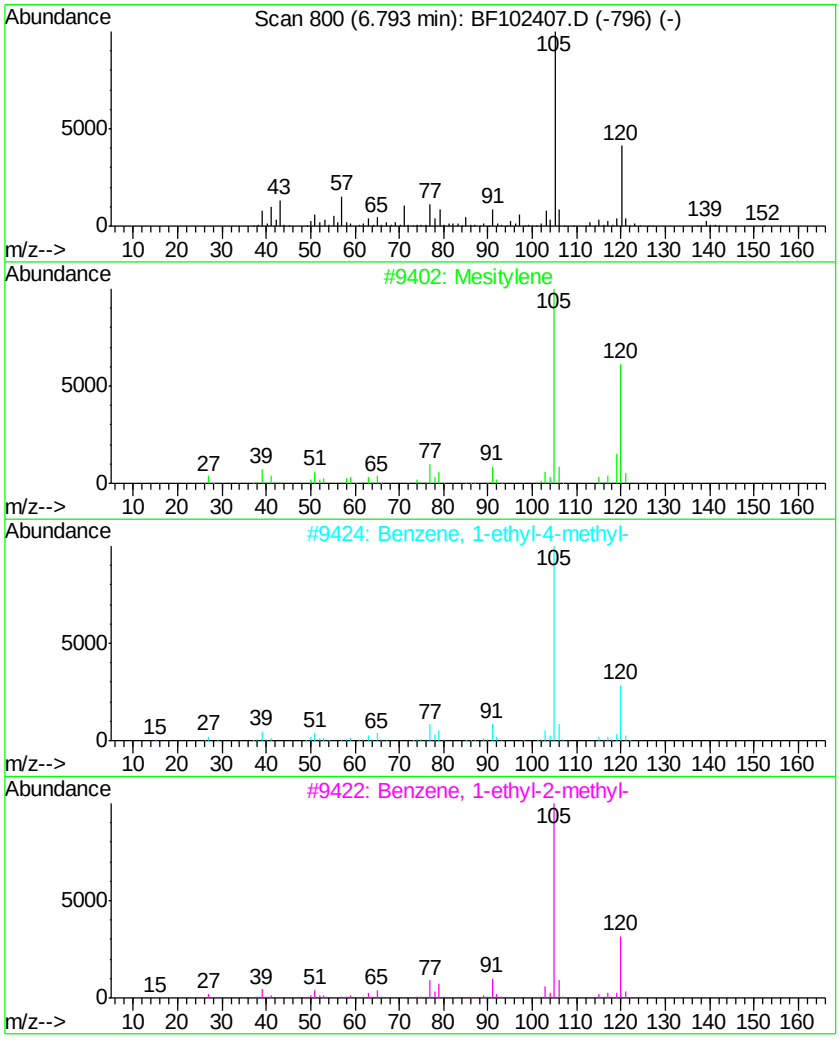
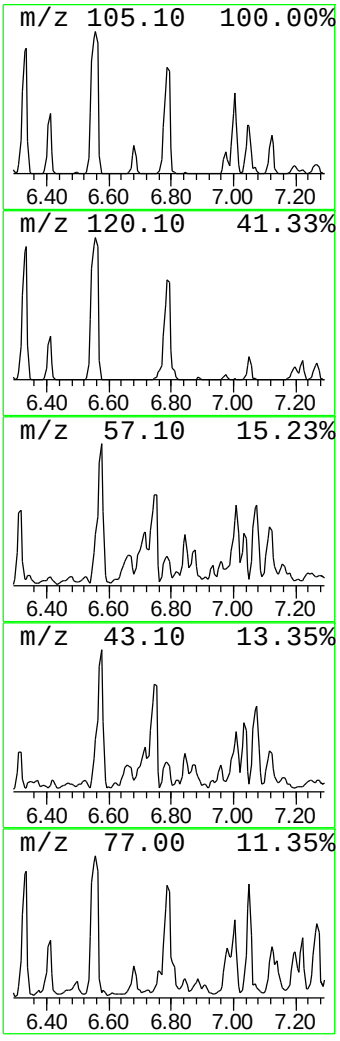
Peak Number 14 Mesitylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	71.12 ng	4787840	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	76
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	68
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	68
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	64
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	64





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Sample : J1236-04
Misc :
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Instrument : BNA_F
ClientSampleId : 20A-5

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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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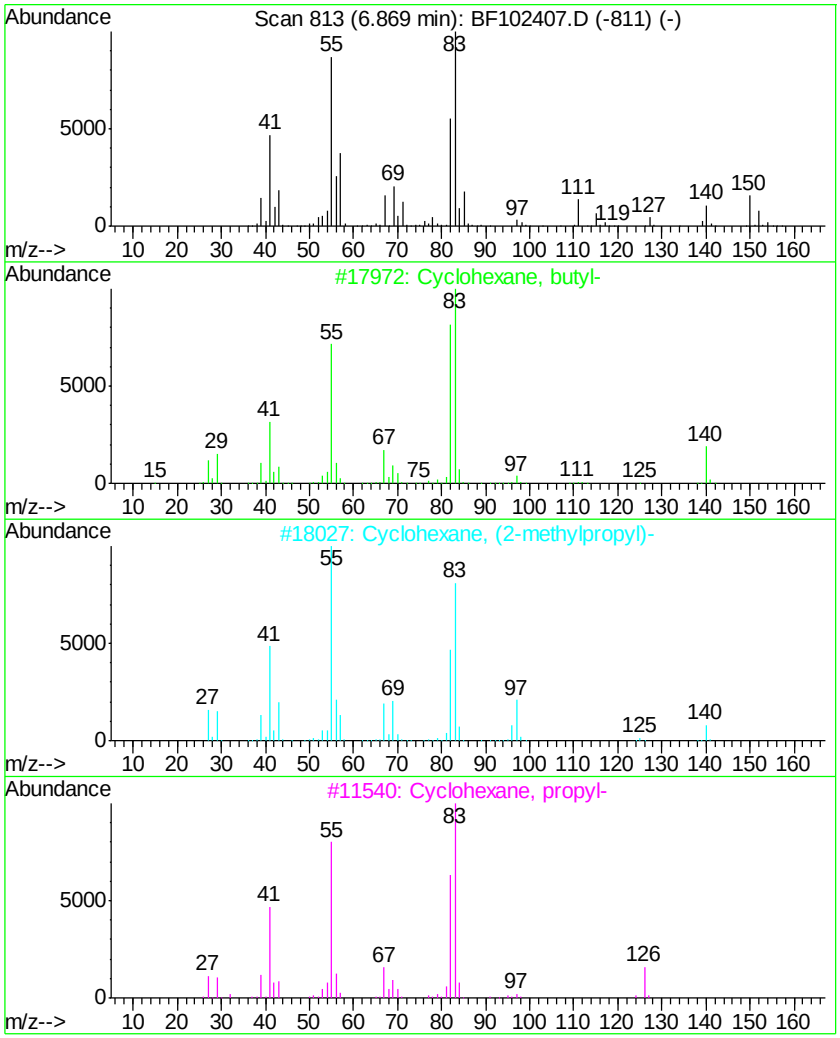
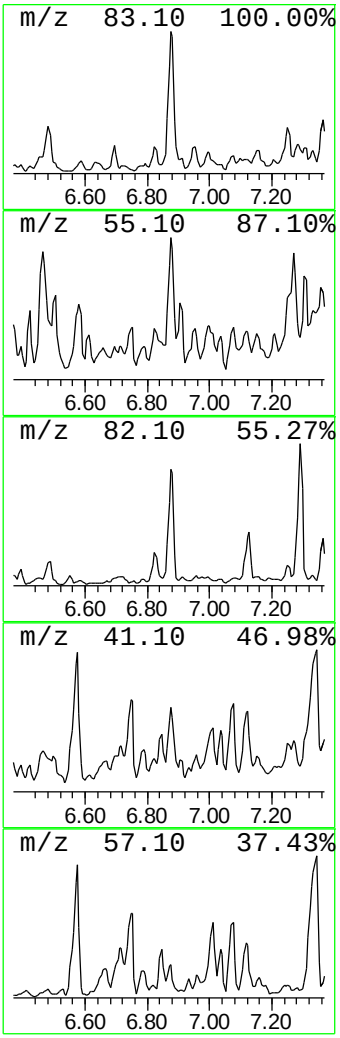
Peak Number 15 Cyclohexane, butyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	79.00 ng	5317950	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	70
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	52
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	50
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	50





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Misc :
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Instrument : BNA_F
ClientSampleId : 20A-5

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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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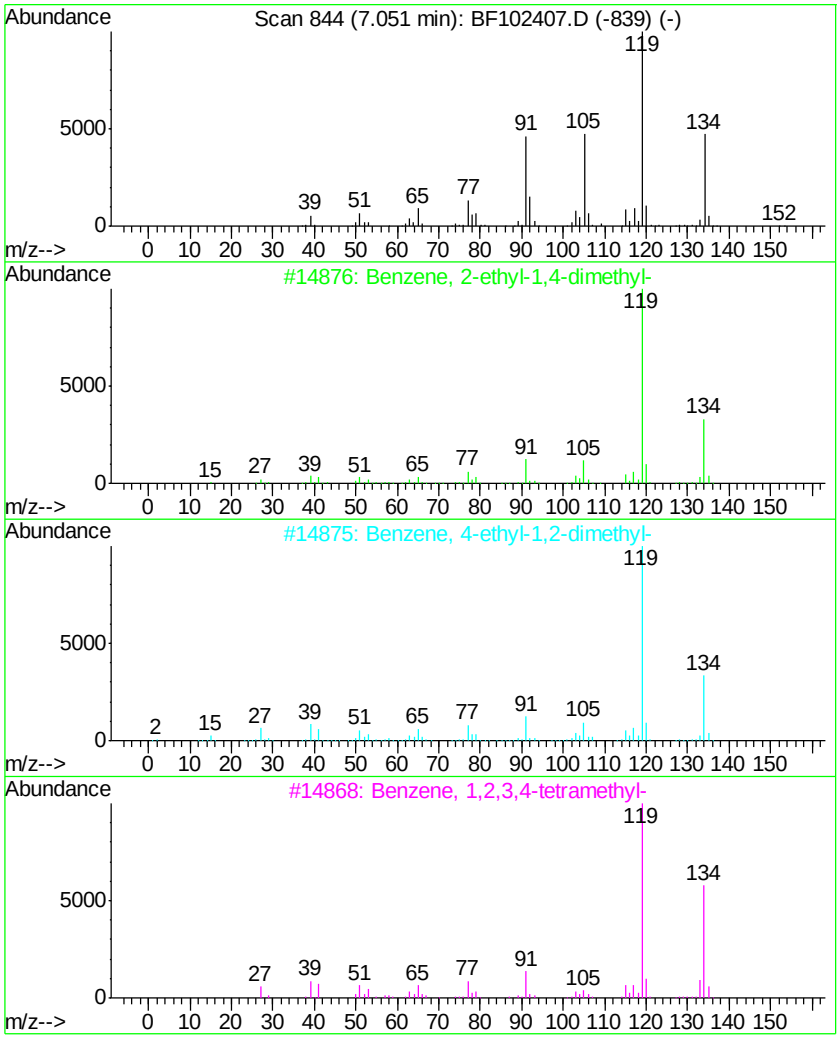
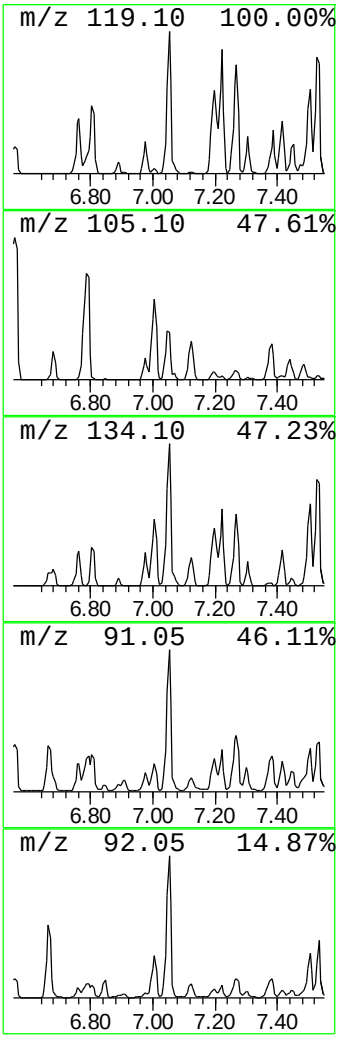
Peak Number 16 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	95.78 ng	6447590	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





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Misc :
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Instrument : BNA_F
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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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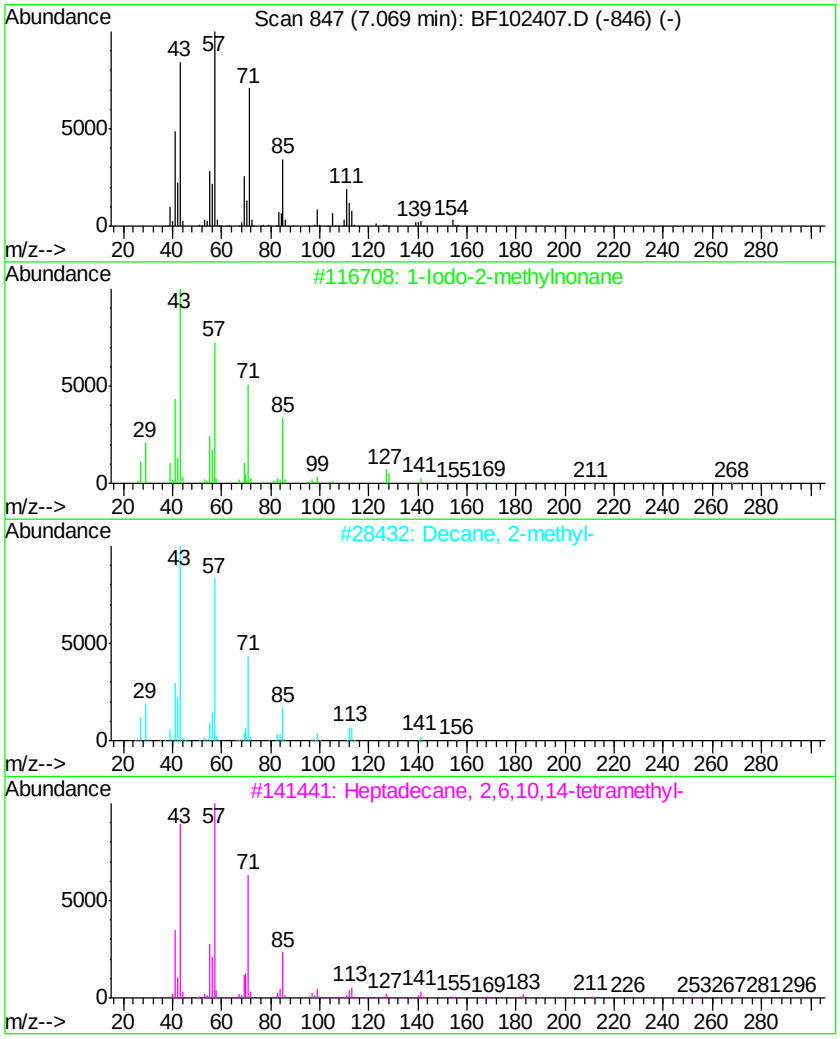
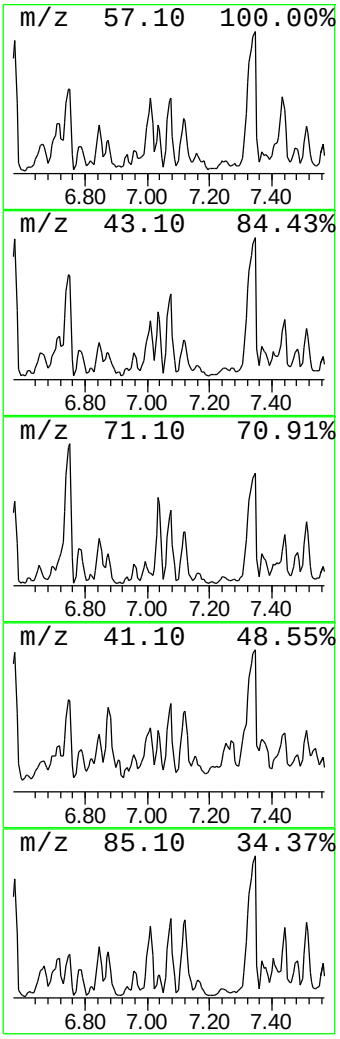
Peak Number 17 1-Iodo-2-methylnonane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	50.89 ng	3425940	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	64
2	Decane, 2-methyl-	156	C11H24	006975-98-0	58
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	52
4	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	50
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	49





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ClientSampleId : 20A-5

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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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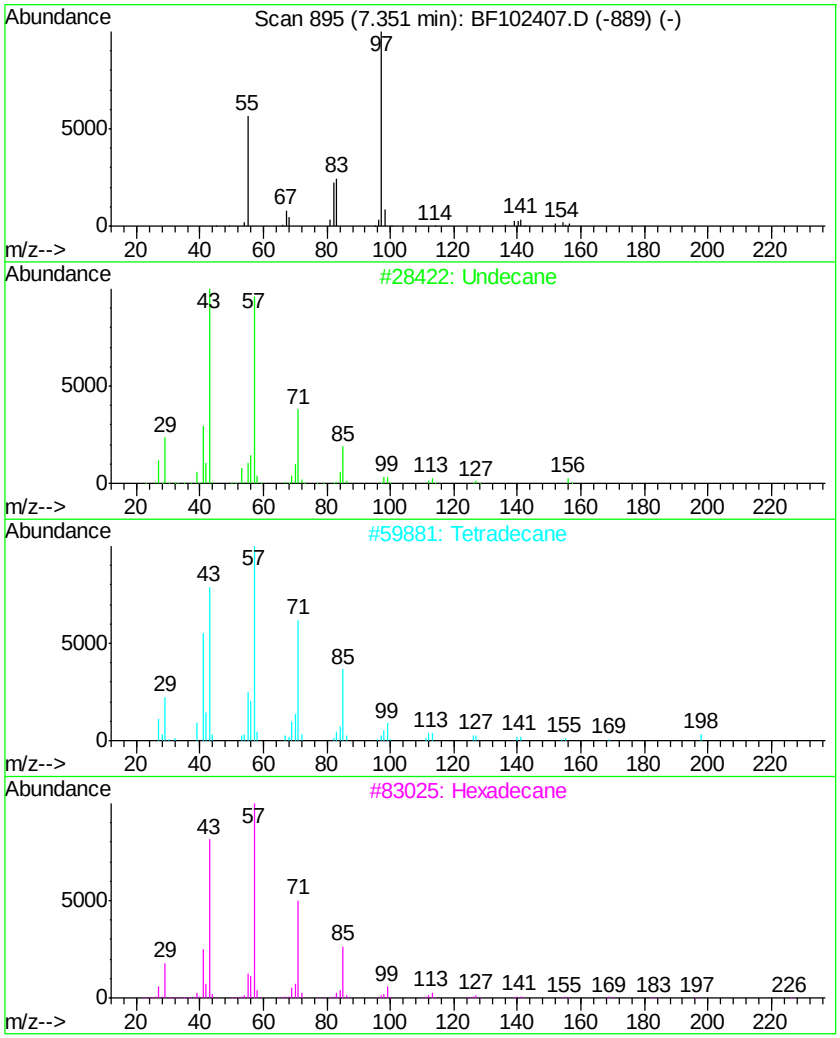
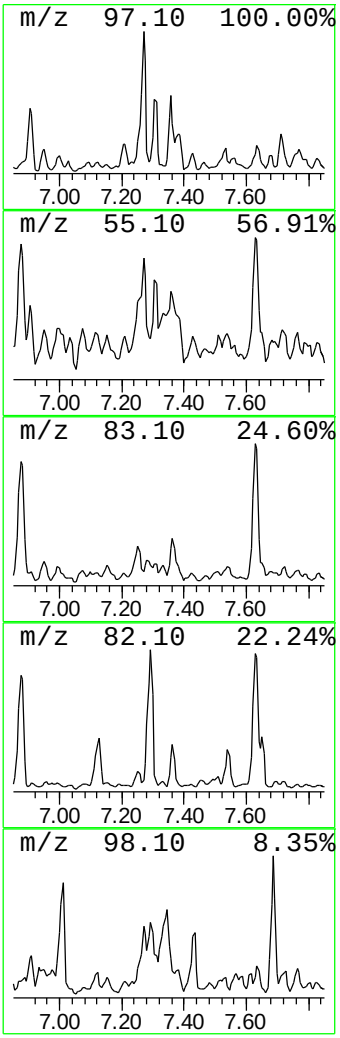
Peak Number 18 Undecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	144.45 ng	9723910	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Tetradecane	198	C14H30	000629-59-4	90
3	Hexadecane	226	C16H34	000544-76-3	78
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	78
5	Octacosane	394	C28H58	000630-02-4	78





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Instrument : BNA_F
ClientSampleId : 20A-5

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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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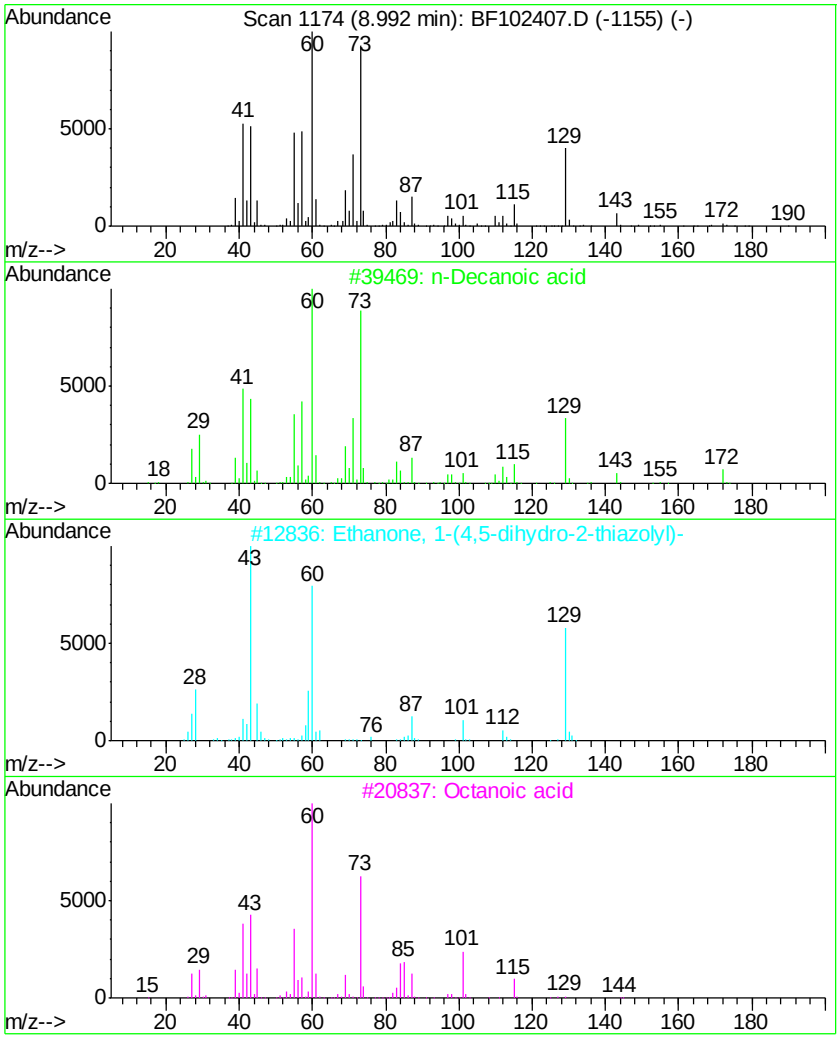
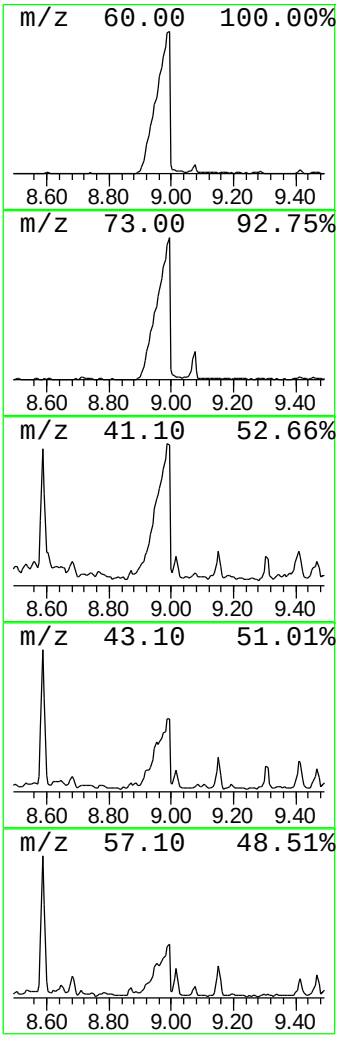
Peak Number 19 n-Decanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	70.02 ng	4681850	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	90
2	Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	029926-41-8	53
3	Octanoic acid	144	C8H16O2	000124-07-2	53
4	Hexanoic acid	116	C6H12O2	000142-62-1	49
5	Heptanoic acid	130	C7H14O2	000111-14-8	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012418\
Data File : BF102407.D
Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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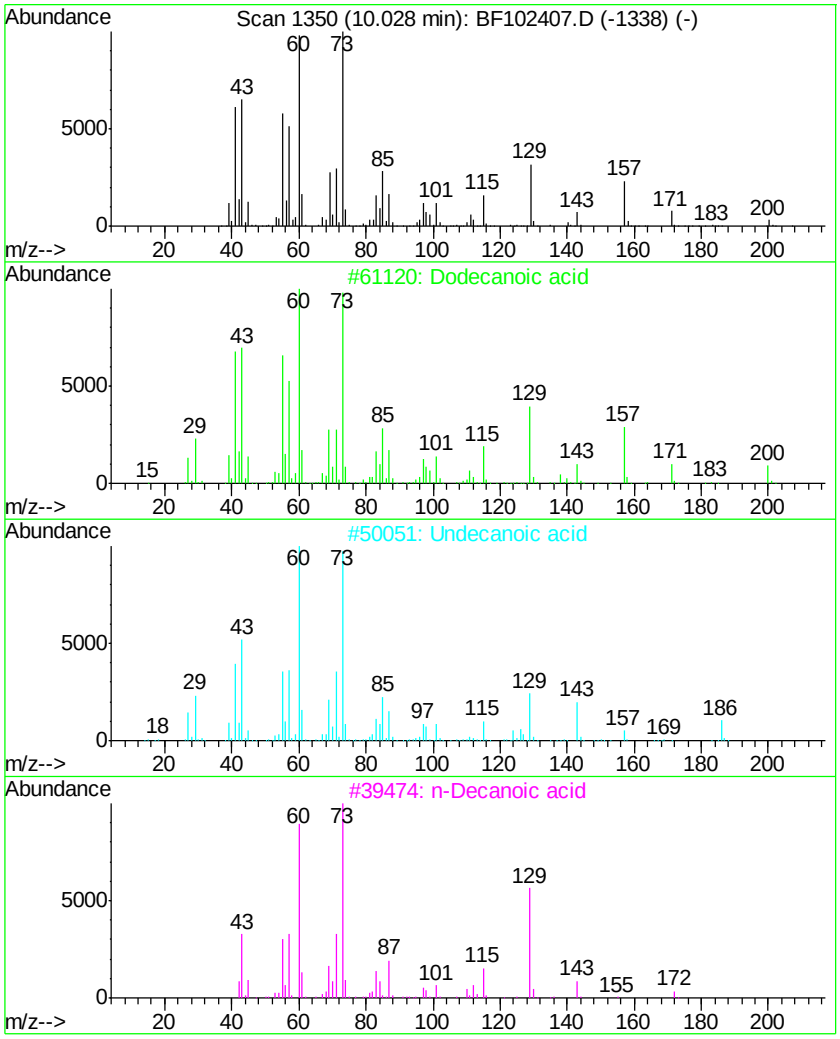
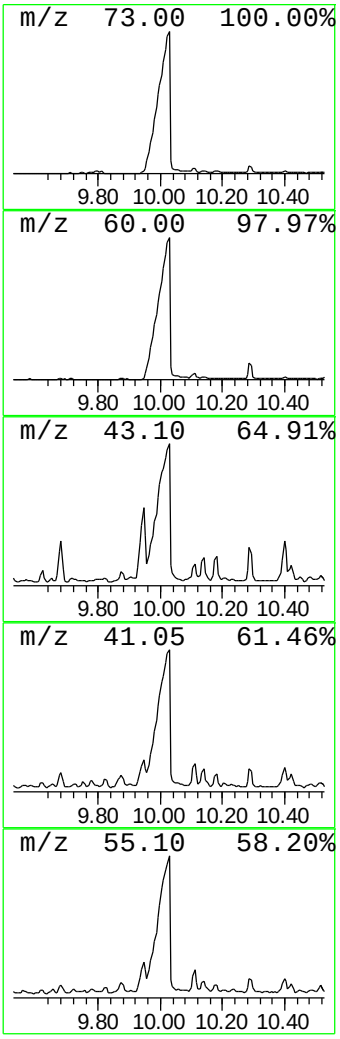
Peak Number 20 Dodecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	87.45 ng	5846710	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	97
2	Undecanoic acid	186	C11H22O2	000112-37-8	86
3	n-Decanoic acid	172	C10H20O2	000334-48-5	76
4	Hexanoic acid	116	C6H12O2	000142-62-1	38
5	Butanoic acid	88	C4H8O2	000107-92-6	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012418\
Data File : BF102407.D
Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20A-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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
Octane	4.32	111.0	ng	7471150	1	6.73	1346340	20.0
Cyclohexane, ethyl-	4.85	53.0	ng	3571260	1	6.73	1346340	20.0
Benzene, 1,3-dime...	5.57	113.7	ng	7654710	1	6.73	1346340	20.0
Nonane	5.63	67.8	ng	4562590	1	6.73	1346340	20.0
7-Methylbicyclo[4...	5.86	47.1	ng	3169170	1	6.73	1346340	20.0
unknown5.96	5.96	80.6	ng	5428570	1	6.73	1346340	20.0
Isobutyl nonyl ca...	6.16	57.9	ng	3895920	1	6.73	1346340	20.0
Benzene, 1-ethyl-...	6.25	86.1	ng	5794330	1	6.73	1346340	20.0
Cyclohexane, 1-me...	6.46	47.1	ng	3172870	1	6.73	1346340	20.0
unknown6.50	6.50	66.1	ng	4448120	1	6.73	1346340	20.0
Benzene, 1,2,4-tr...	6.56	219.1	ng	14751500	1	6.73	1346340	20.0
Mesitylene	6.79	71.1	ng	4787840	1	6.73	1346340	20.0
Cyclohexane, butyl-	6.87	79.0	ng	5317950	1	6.73	1346340	20.0
Benzene, 2-ethyl-...	7.05	95.8	ng	6447590	1	6.73	1346340	20.0
1-Iodo-2-methylno...	7.07	50.9	ng	3425940	1	6.73	1346340	20.0
Undecane	7.35	144.4	ng	9723910	1	6.73	1346340	20.0
n-Decanoic acid	8.99	70.0	ng	4681850	3	9.75	1337220	20.0
Dodecanoic acid	10.03	87.5	ng	5846710	3	9.75	1337220	20.0