LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
Data File : BF080646.D
Acq On : 25 Jul 2015 1:12
Operator : TP/UM
Sample : G3069-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

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-BF072415.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	5.093	260	263	266	rVB	780281	1084326	8.98%	0.382%
2	5.504	295	299	302	rVB2	1720151	1813564	15.02%	0.639%
3	6.465	381	383	387	rVB2	810250	1266686	10.49%	0.447%
4	6.545	387	390	392	rBV2	2034187	2444748	20.25%	0.862%
5	6.693	399	403	404	rBV	1929836	2120137	17.56%	0.747%
6	6.773	407	410	411	rBV2	2145134	2982675	24.71%	1.051%
7	6.956	422	426	428	rVV2	715307	1417775	11.74%	0.500%
8	6.990	428	429	431	rVV	1100690	923421	7.65%	0.326%
9	7.082	436	437	439	rBV	1592528	1867439	15.47%	0.658%
10	7.207	447	448	450	rVB	979585	1302133	10.79%	0.459%
11	7.253	450	452	453	rBV2	1398516	1565886	12.97%	0.552%
12	7.276	453	454	456	rVB	943188	853540	7.07%	0.301%
13	7.333	456	459	460	rBV	1323755	1481158	12.27%	0.522%
14	7.425	464	467	469	rBV2	758836	1219797	10.10%	0.430%
15	7.470	469	471	472	rBV	1756774	2066535	17.12%	0.729%
16	7.539	476	477	479	rVB	3921214	2780706	23.03%	0.980%
17	7.585	479	481	483	rVB2	1013409	1364072	11.30%	0.481%
18	7.733	489	494	497	rVB3	1607699	3427573	28.39%	1.208%
19	7.848	500	504	507	rBV4	1328437	3564732	29.53%	1.257%
20	7.893	507	508	511	rVB3	975677	1774952	14.70%	0.626%
21	7.962	511	514	518	rBV4	2591946	5681637	47.06%	2.003%
22	8.019	518	519	524	rVB4	1262288	2914277	24.14%	1.027%
23	8.088	524	525	528	rBV2	535843	1062400	8.80%	0.375%
24	8.179	530	533	534	rBV2	915617	1574215	13.04%	0.555%
25	8.213	534	536	537	rVV	3747327	4422023	36.63%	1.559%
26	8.248	537	539	540	rVV	1936393	2544093	21.07%	0.897%
27	8.282	540	542	544	rVB2	1548629	3139913	26.01%	1.107%
28	8.396	549	552	553	rBV2	748960	1402792	11.62%	0.495%
29	8.430	553	555	556	rVB2	837415	1088775	9.02%	0.384%
30	8.465	556	558	560	rBV3	539227	991381	8.21%	0.349%
31	8.522	560	563	566	rVV4	2229470	4177141	34.60%	1.473%
32	8.568	566	567	569	rVB2	1214725	1410681	11.68%	0.497%
33	8.602	569	570	572	rBV2	2146512	2492592	20.65%	0.879%
34	8.648	572	574	577	rBV	3558440	4887177	40.48%	1.723%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
Data File : BF080646.D
Acq On : 25 Jul 2015 1:12
Operator : TP/UM
Sample : G3069-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

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-BF072415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.693	577	578	579	rVB	1264469	867426	7.19%	0.306%
36	8.728	579	581	583	rBV2	2088096	2171935	17.99%	0.766%
37	8.773	583	585	587	rVV2	890450	1508808	12.50%	0.532%
38	8.819	587	589	591	rVV2	4018250	4423371	36.64%	1.559%
39	8.888	591	595	596	rVV3	1549749	3653971	30.27%	1.288%
40	8.945	596	600	601	rVB3	3347001	6221429	51.53%	2.193%
41	8.979	601	603	604	rBV	1057600	990536	8.20%	0.349%
42	9.036	604	608	610	rVV2	3956029	6222809	51.54%	2.194%
43	9.128	613	616	619	rVV5	1646477	5534418	45.84%	1.951%
44	9.185	619	621	623	rVV2	1428864	2331162	19.31%	0.822%
45	9.219	623	624	625	rVV	1115978	1320357	10.94%	0.465%
46	9.253	625	627	629	rVV	5278173	5435628	45.02%	1.916%
47	9.299	629	631	632	rVV	2397943	2315640	19.18%	0.816%
48	9.391	636	639	641	rVV2	4322298	6230376	51.61%	2.196%
49	9.448	641	644	647	rVV2	1579828	4338372	35.94%	1.529%
50	9.493	647	648	651	rVV	1954985	3074140	25.46%	1.084%
51	9.573	651	655	656	rVV	3952860	6448377	53.41%	2.273%
52	9.642	656	661	662	rVV	6298257	8418924	69.74%	2.968%
53	9.665	662	663	665	rVV	4433242	5624313	46.59%	1.983%
54	9.711	665	667	668	rVV	7746555	8718670	72.22%	3.074%
55	9.756	670	671	674	rVV2	2800137	4296235	35.59%	1.515%
56	9.836	677	678	681	rVV2	1332348	2703735	22.40%	0.953%
57	9.893	681	683	684	rVV2	1751365	2078993	17.22%	0.733%
58	9.916	684	685	687	rVV	3842525	3645456	30.20%	1.285%
59	9.962	687	689	692	rVV2	2464869	4728631	39.17%	1.667%
60	10.019	692	694	695	rVV2	1658148	2458828	20.37%	0.867%
61	10.088	698	700	702	rVV	2487964	3239135	26.83%	1.142%
62	10.156	702	706	707	rVV4	1196655	3045287	25.22%	1.074%
63	10.179	707	708	710	rVV	3930166	4381808	36.30%	1.545%
64	10.225	710	712	717	rVV4	3365208	6612139	54.77%	2.331%
65	10.305	717	719	720	rVV	1989295	2670891	22.12%	0.942%
66	10.328	720	721	722	rVV	2533579	1912882	15.84%	0.674%
67	10.351	722	723	725	rVV	857053	1465251	12.14%	0.517%
68	10.419	725	729	730	rVV3	3132880	5907808	48.94%	2.083%
69	10.442	730	731	732	rVV	1118191	1243208	10.30%	0.438%
70	10.476	732	734	736	rVV2	1411483	1877346	15.55%	0.662%
71	10.522	736	738	739	rVV2	1830530	1922786	15.93%	0.678%

LSC Area Percent Report

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Data File : BF080646.D
Acq On : 25 Jul 2015 1:12
Operator : TP/UM
Sample : G3069-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

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-BF072415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.545	739	740	742	rVV2	1321380	2152673	17.83%	0.759%
73	10.591	742	744	745	rVV2	966374	1646462	13.64%	0.580%
74	10.636	746	748	751	rVV	5095973	7432931	61.57%	2.620%
75	10.682	751	752	754	rVV2	957661	1295162	10.73%	0.457%
76	10.751	757	758	761	rVV3	1638932	2816290	23.33%	0.993%
77	10.808	761	763	766	rVB3	921630	1712340	14.18%	0.604%
78	10.854	766	767	769	rBV2	536848	975093	8.08%	0.344%
79	10.911	769	772	775	rVB	9491477	12072595	100.00%	4.256%
80	10.968	775	777	780	rBV2	1110643	1375641	11.39%	0.485%
81	11.082	785	787	788	rBV2	1125943	1397343	11.57%	0.493%
82	11.105	788	789	792	rVV3	1218556	1753570	14.53%	0.618%
83	11.231	798	800	802	rVB2	1651342	1906185	15.79%	0.672%
84	11.345	807	810	811	rVV3	1591302	2776318	23.00%	0.979%
85	11.379	811	813	815	rVB	4105003	5925915	49.09%	2.089%
86	11.494	820	823	824	rBV3	1777840	2344805	19.42%	0.827%
87	11.585	829	831	832	rBV	821368	1031695	8.55%	0.364%
88	11.722	841	843	845	rVB2	1996252	1934890	16.03%	0.682%
89	11.768	845	847	848	rBV	1658078	1310410	10.85%	0.462%
90	11.928	859	861	864	rBV3	628208	1389307	11.51%	0.490%
91	11.974	864	865	866	rVV	1348684	1109947	9.19%	0.391%
92	12.077	872	874	876	rBV2	1131464	1691495	14.01%	0.596%
93	12.179	881	883	884	rBV	872810	1004774	8.32%	0.354%
94	12.339	895	897	901	rVB4	458993	980556	8.12%	0.346%
95	12.419	901	904	905	rVV2	825996	1292084	10.70%	0.456%
96	12.454	905	907	911	rVV2	1102452	2373125	19.66%	0.837%
97	12.534	911	914	915	rVV	1270325	1827332	15.14%	0.644%
98	12.568	915	917	920	rVV	1243526	1651404	13.68%	0.582%
99	12.957	950	951	953	rVV	846700	824180	6.83%	0.291%
100	13.082	960	962	967	rVB	2113778	2504586	20.75%	0.883%

Sum of corrected areas: 283661141

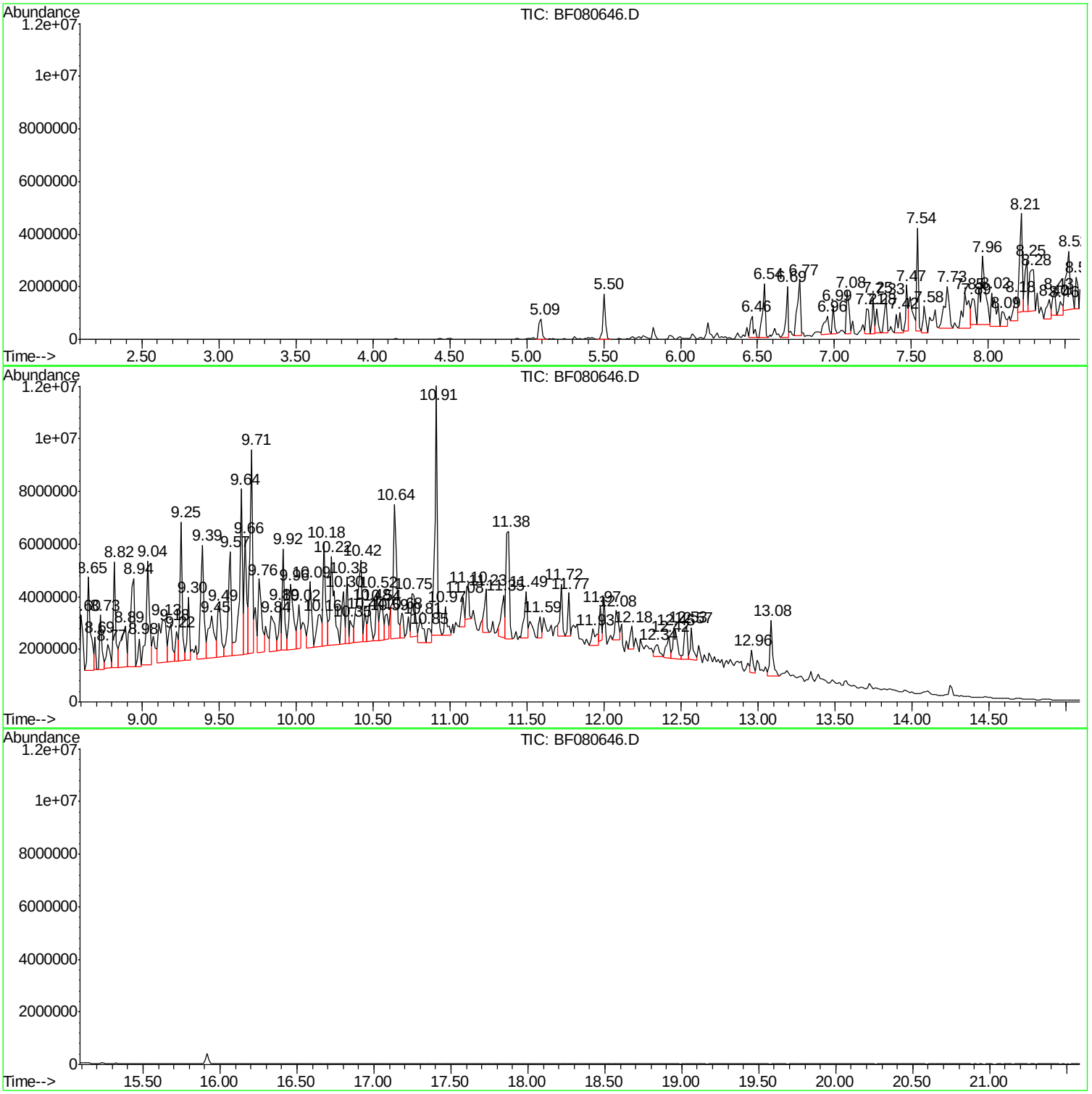
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
Data File : BF080646.D
Acq On : 25 Jul 2015 1:12
Operator : TP/UM
Sample : G3069-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SA(2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
Data File : BF080646.D
Acq On : 25 Jul 2015 1:12
Operator : TP/UM
Sample : G3069-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

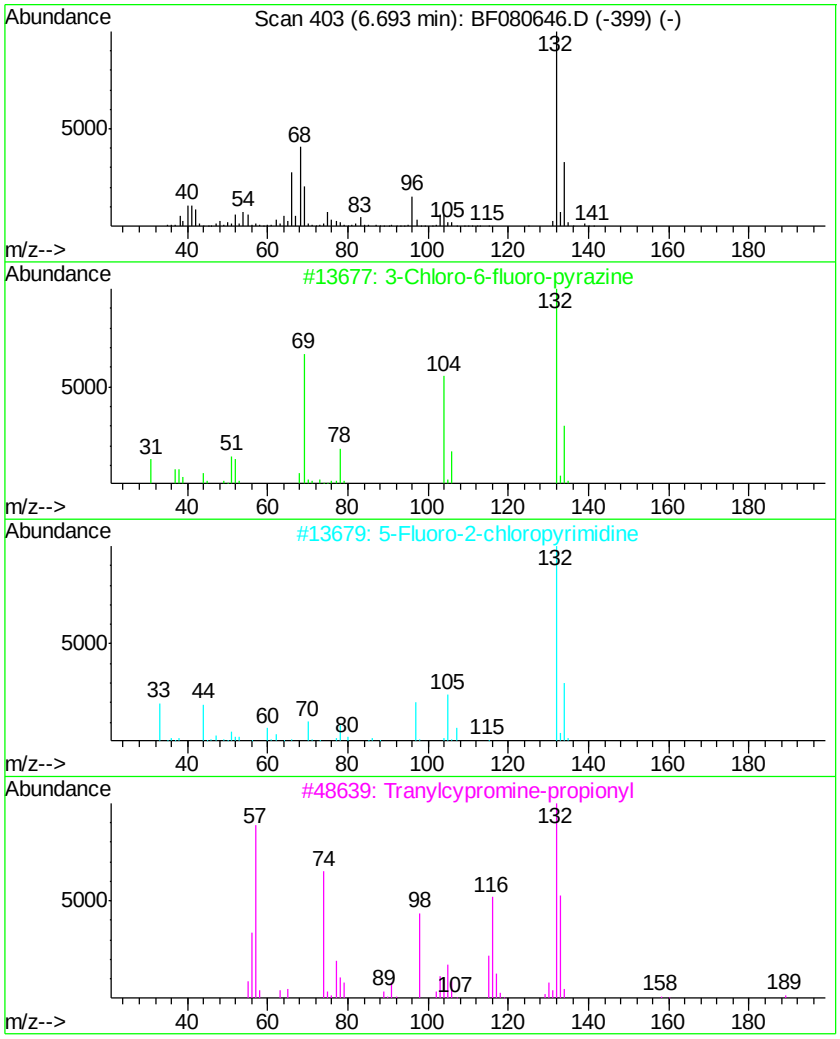
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

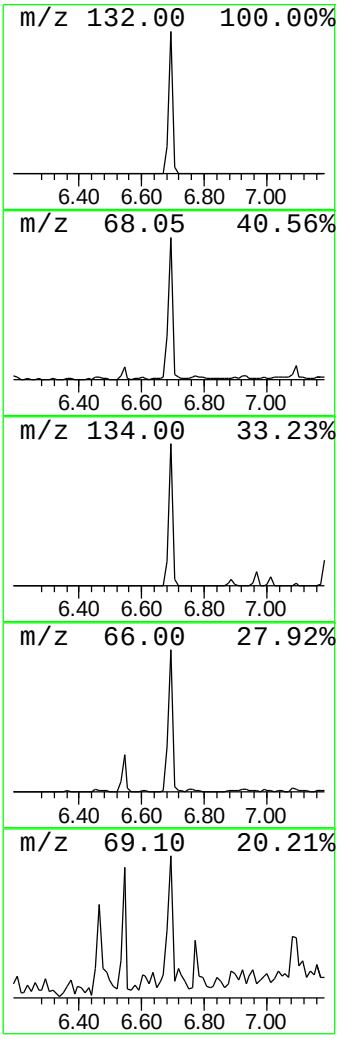
****

Peak Number 1 unknown6.69 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	29.91 ng	2120140	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Xenon	132	Xe	007440-63-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
Data File : BF080646.D
Acq On : 25 Jul 2015 1:12
Operator : TP/UM
Sample : G3069-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

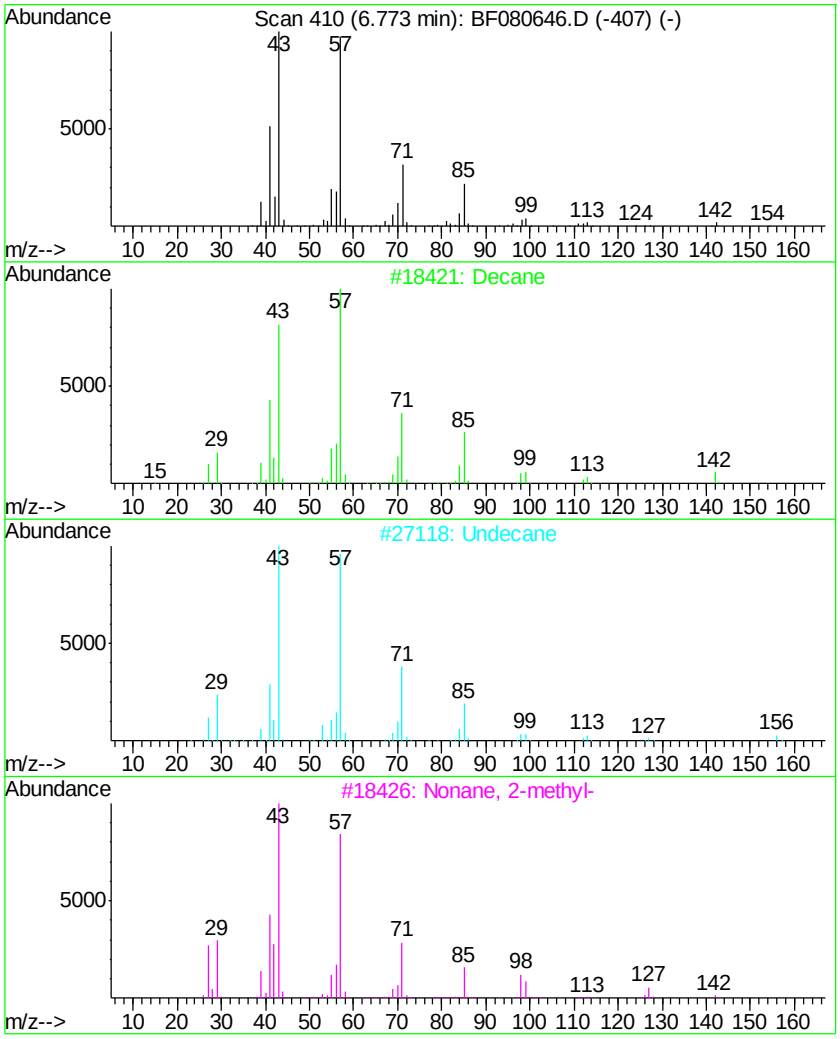
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

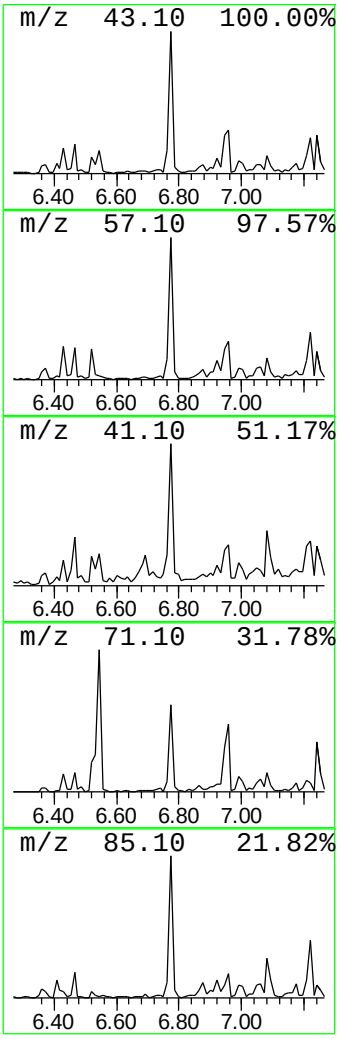
****

Peak Number 2 Decane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	42.08 ng	2982680	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Undecane	156	C11H24	001120-21-4	83
3	Nonane, 2-methyl-	142	C10H22	000871-83-0	72
4	Nonane	128	C9H20	000111-84-2	64
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
Data File : BF080646.D
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Operator : TP/UM
Sample : G3069-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SA(2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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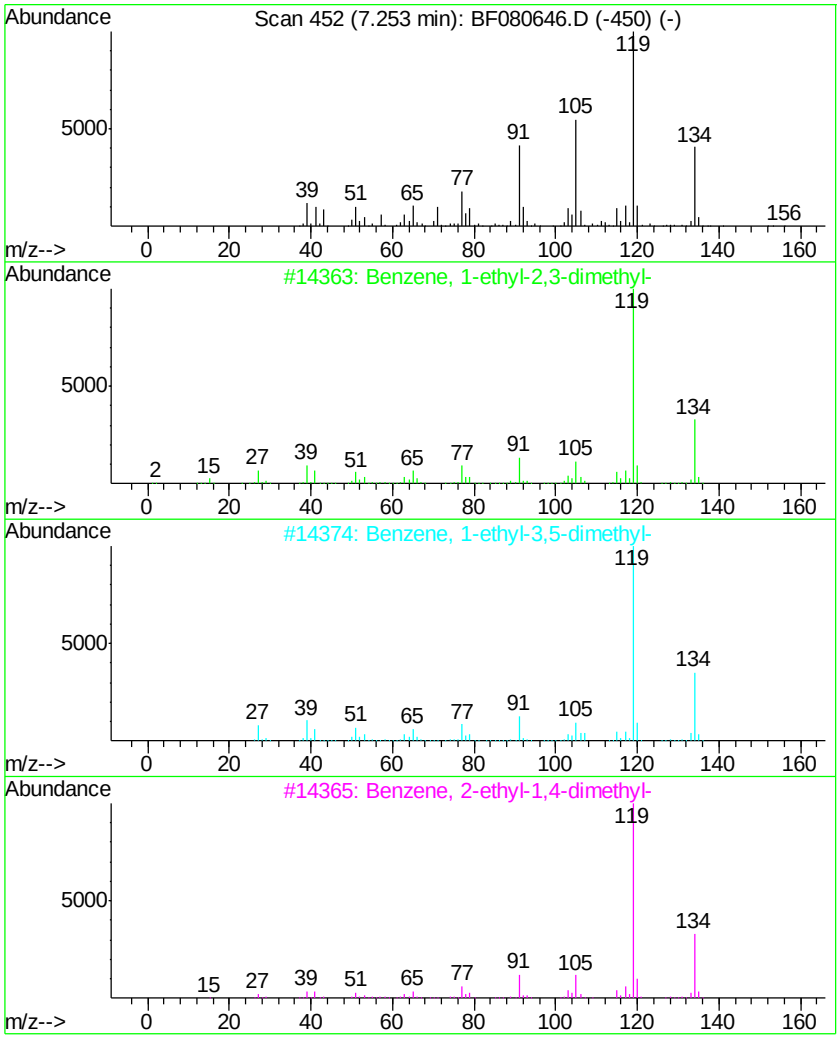
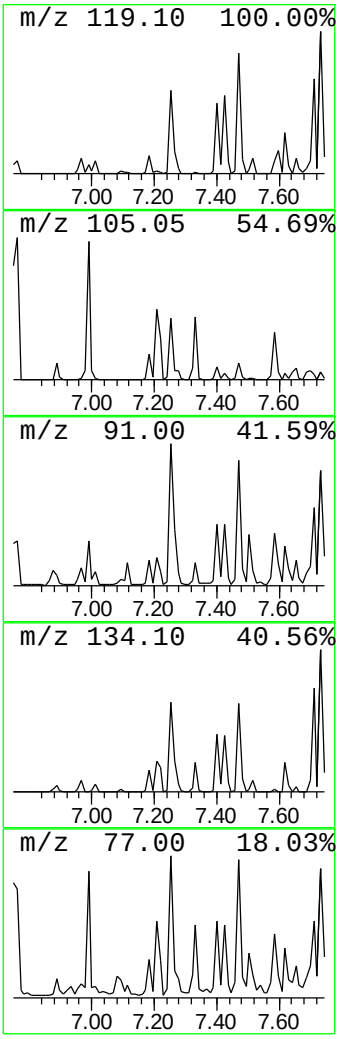
Peak Number 4 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	22.09 ng	1565890	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	93
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
Data File : BF080646.D
Acq On : 25 Jul 2015 1:12
Operator : TP/UM
Sample : G3069-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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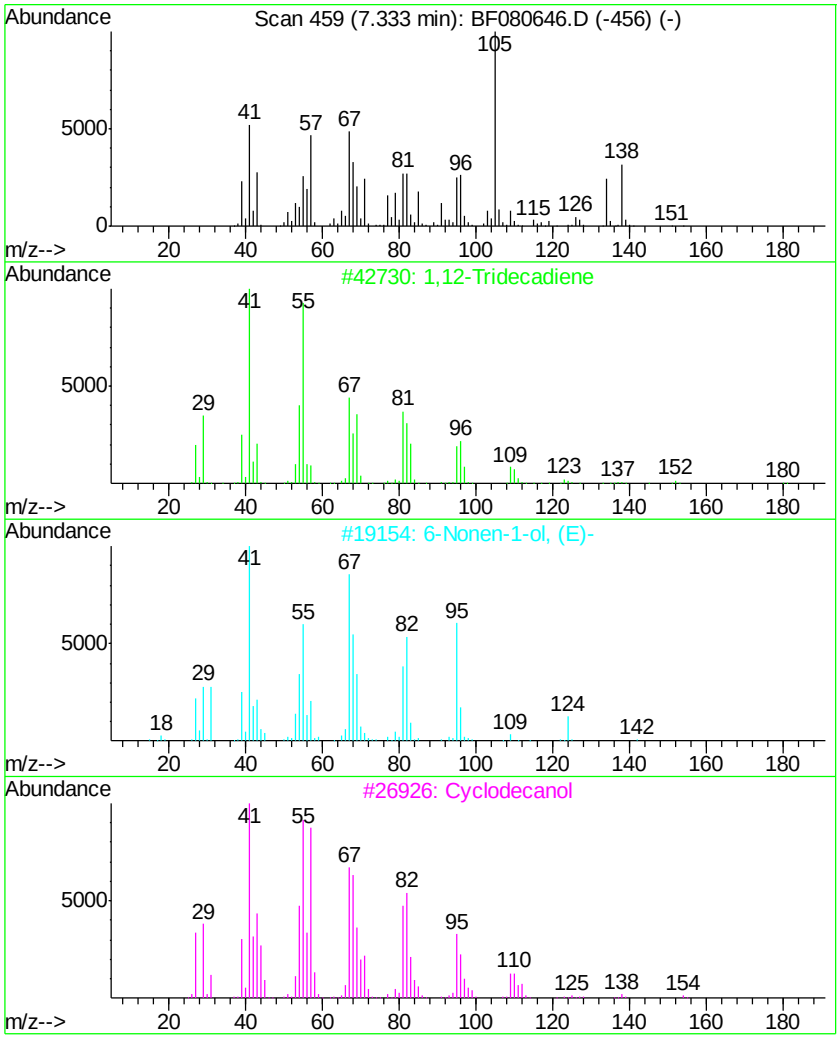
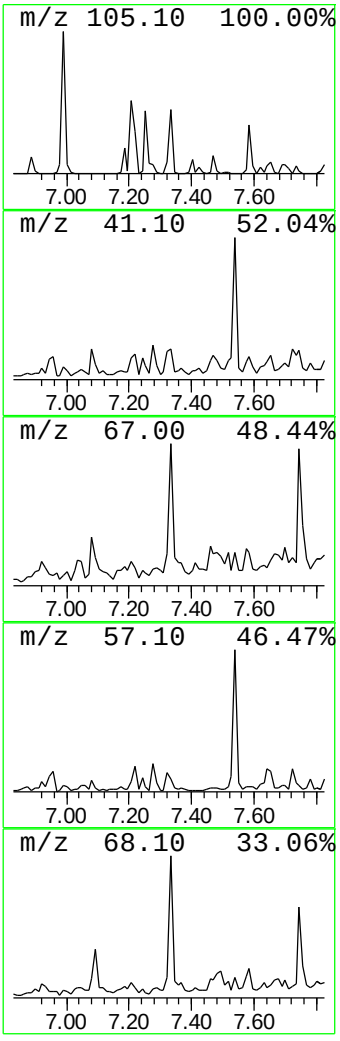
Peak Number 5 unknown7.33 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	20.89 ng	1481160	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,12-Tridecadiene	180	C13H24	021964-48-7	37
2	6-Nonen-1-ol, (E)-	142	C9H18O	031502-19-9	32
3	Cyclodecanol	156	C10H20O	001502-05-2	32
4	Cyclopropane, hexylidene-	124	C9H16	091509-06-7	27
5	Bicyclo[8.2.0]dodecane, 11,11-di...	194	C14H26	062338-29-8	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
Data File : BF080646.D
Acq On : 25 Jul 2015 1:12
Operator : TP/UM
Sample : G3069-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SA(2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

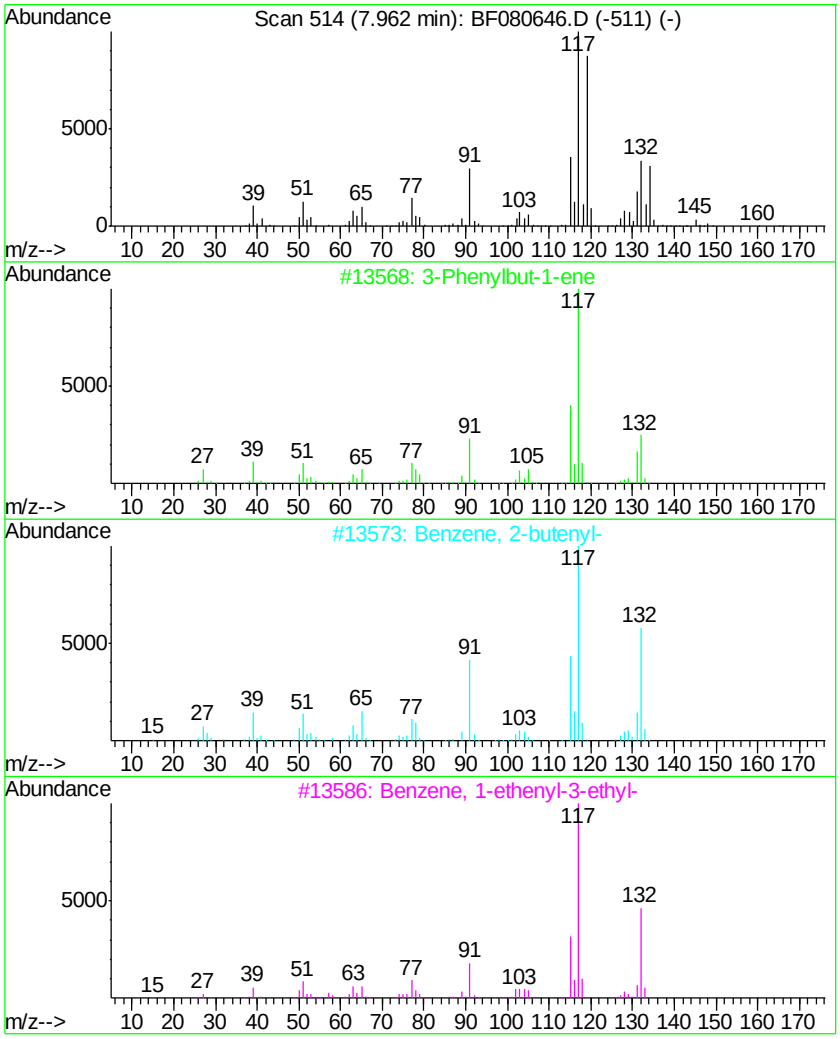
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

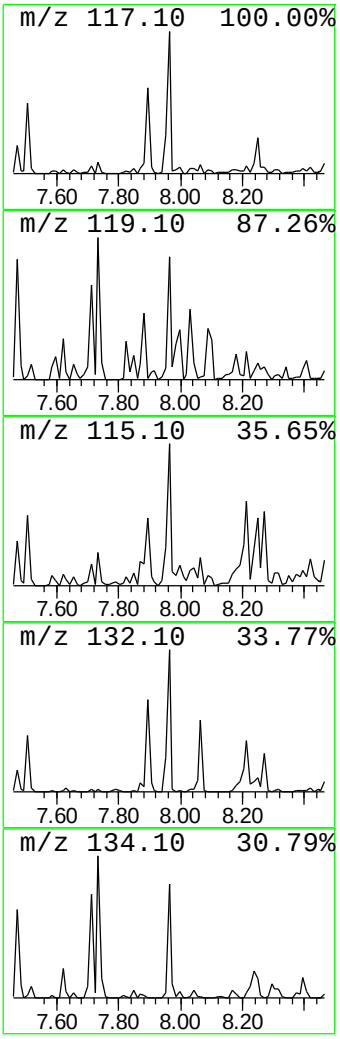
****

Peak Number 6 3-Phenylbut-1-ene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	25.70 ng	5681640	Naphthalene-d8	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	55
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	55
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
Data File : BF080646.D
Acq On : 25 Jul 2015 1:12
Operator : TP/UM
Sample : G3069-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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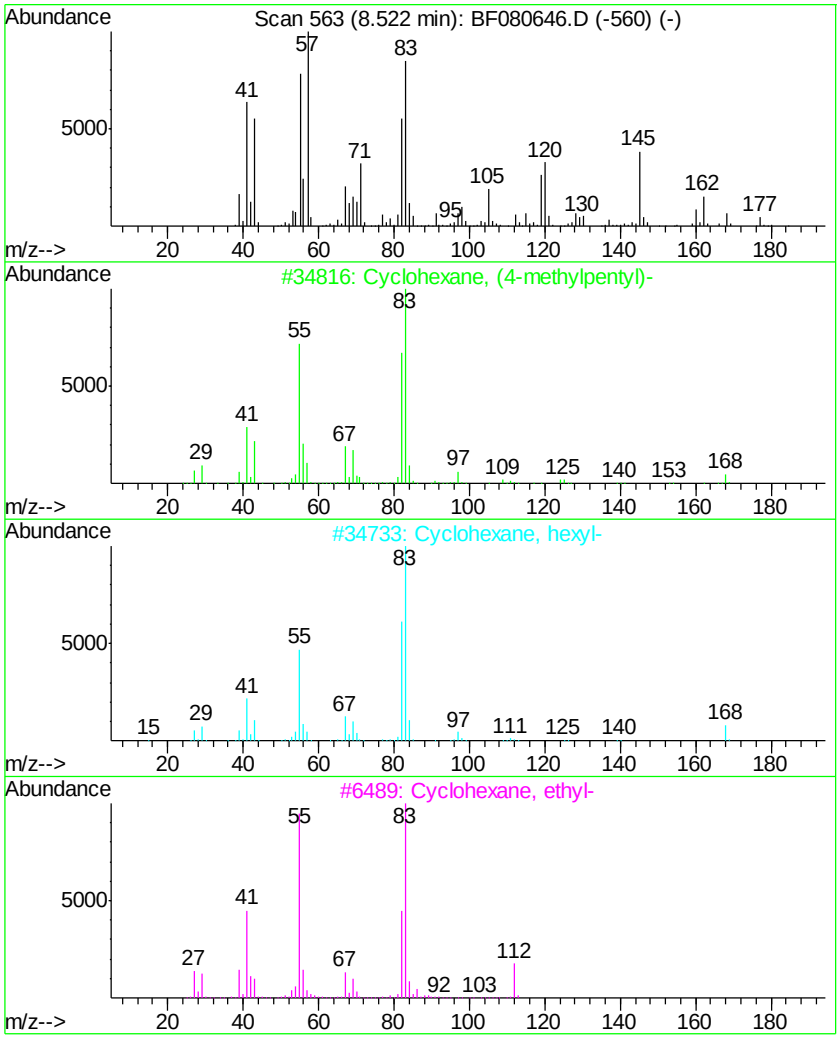
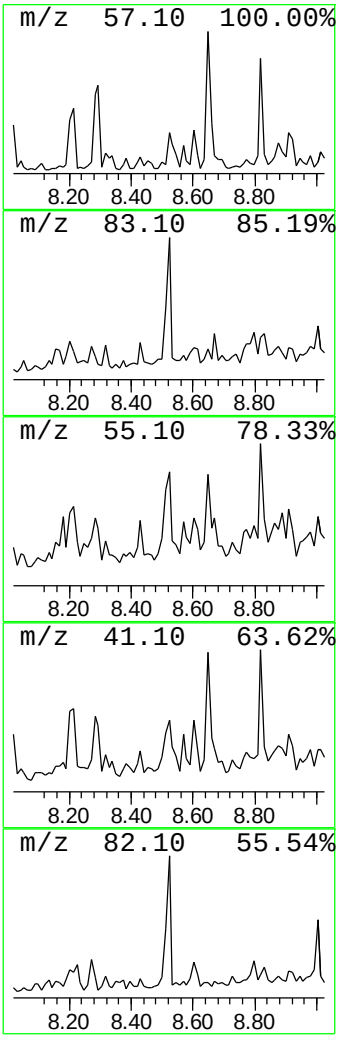
Peak Number 7 unknown8.52 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	18.89 ng	4177140	Naphthalene-d8	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	46
2	Cyclohexane, hexyl-	168	C12H24	004292-75-5	43
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	38
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	35
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	35





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Sample : G3069-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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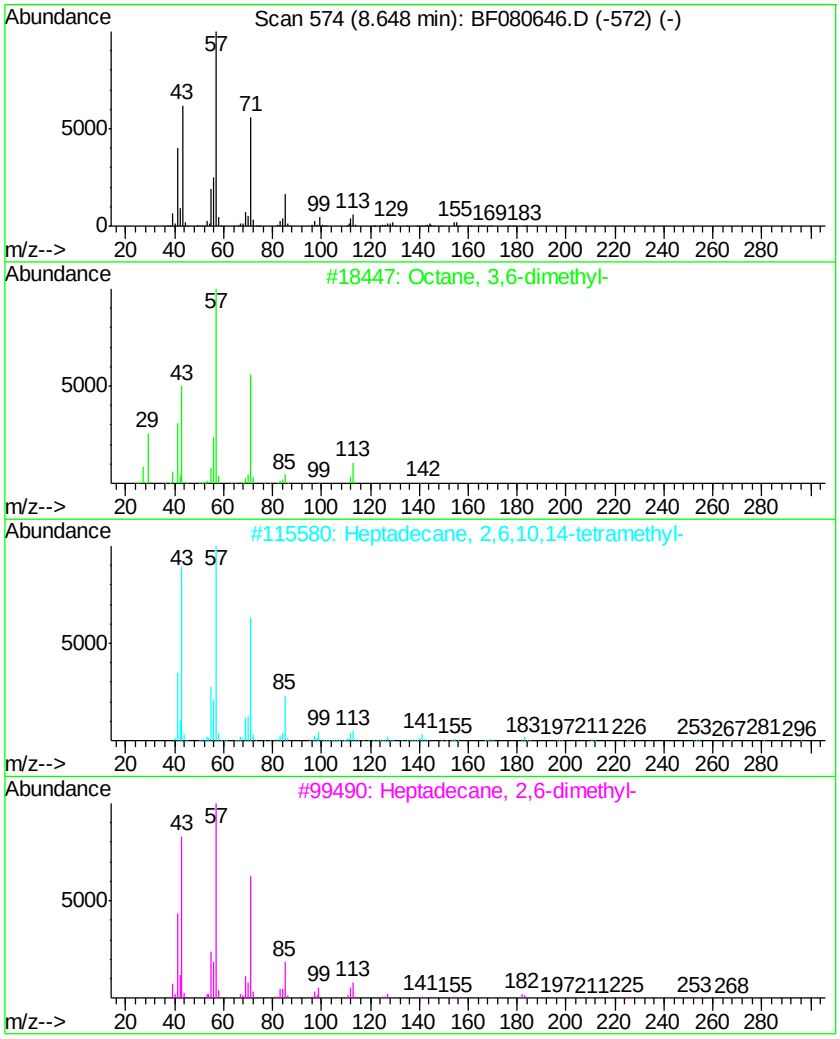
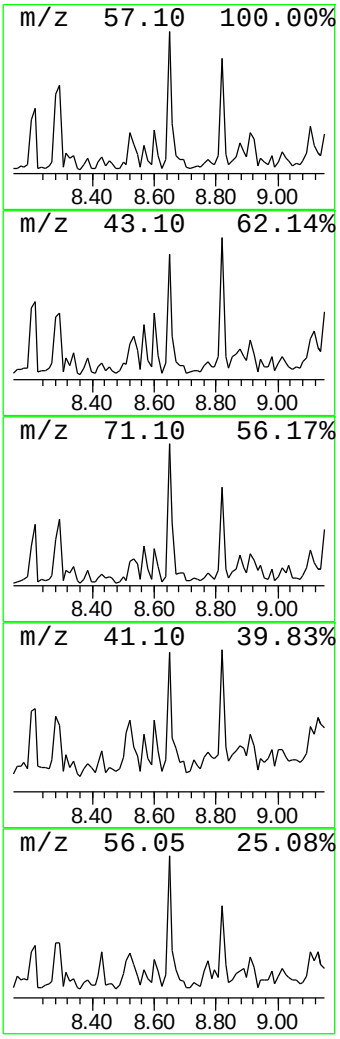
Peak Number 8 Octane, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	22.10 ng	4887180	Naphthalene-d8	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
2	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64
3	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	64
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
5	Octane, 2-methyl-	128	C9H20	003221-61-2	58





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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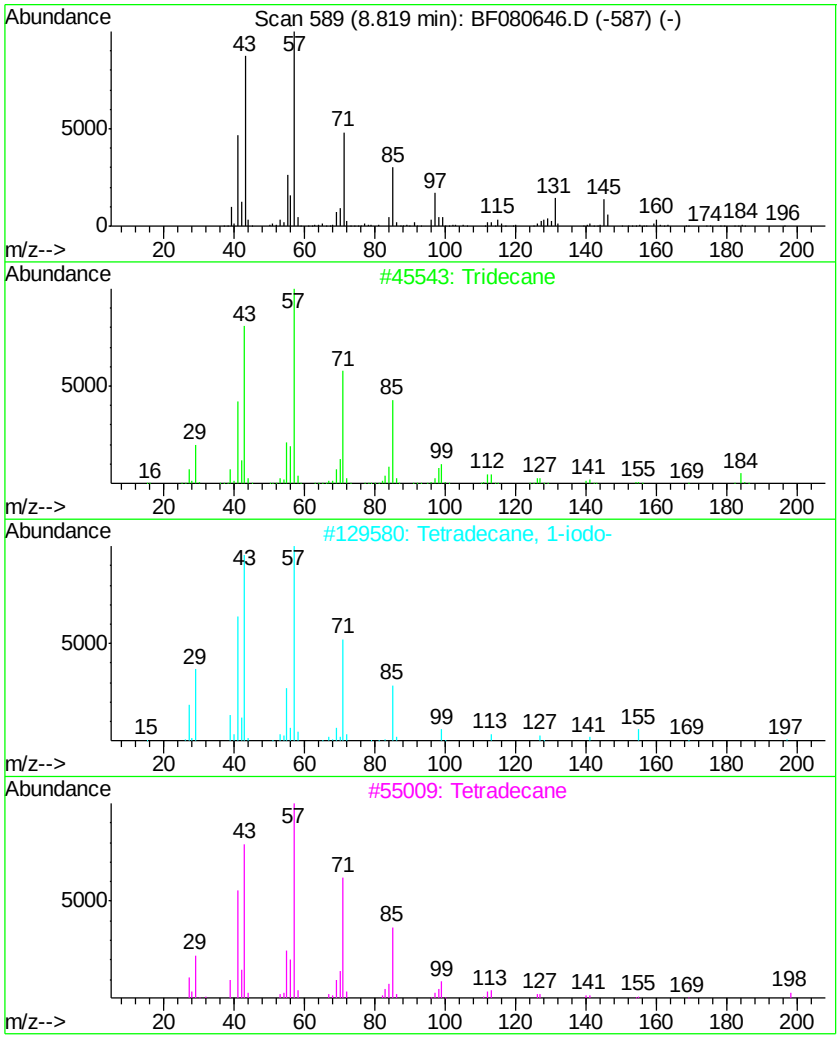
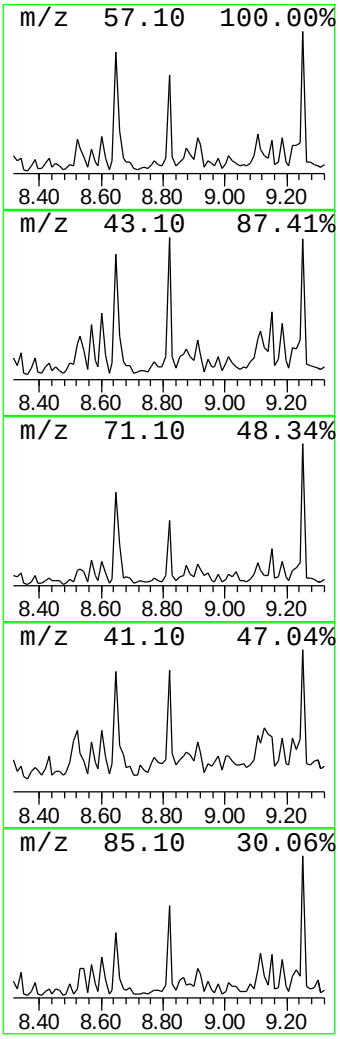
Peak Number 9 Tridecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	20.01 ng	4423370	Naphthalene-d8	8.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	52
3	Tetradecane	198	C14H30	000629-59-4	52
4	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	52
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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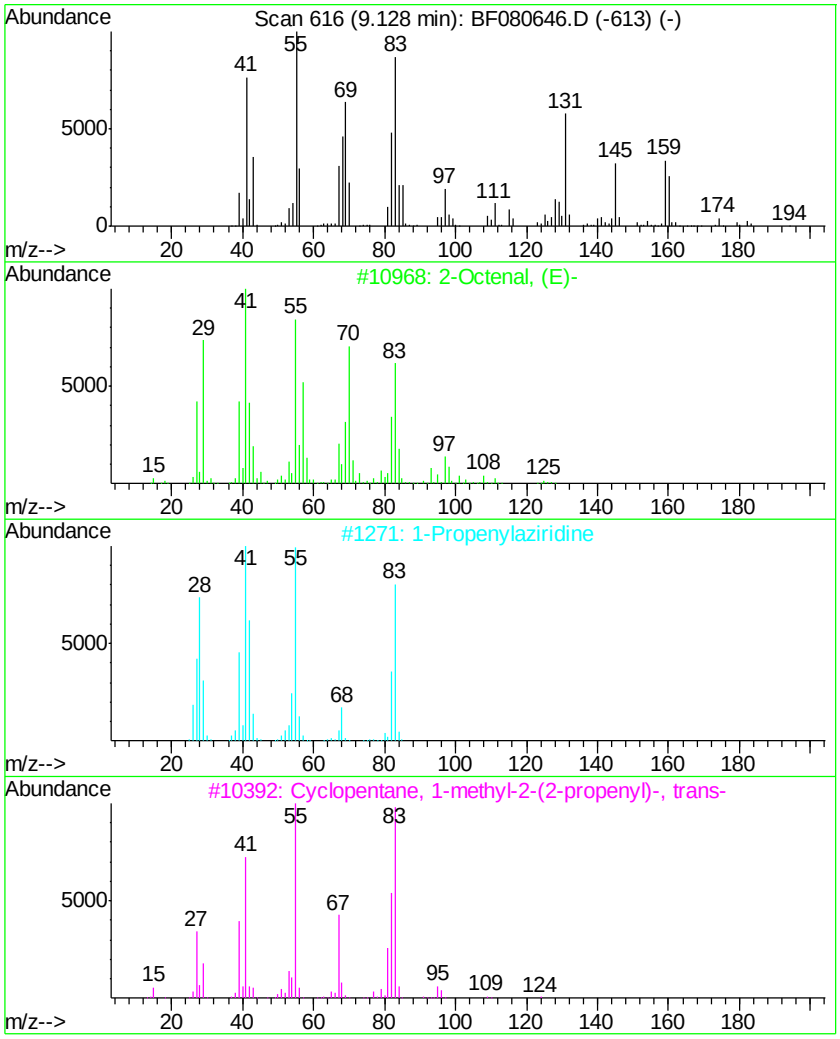
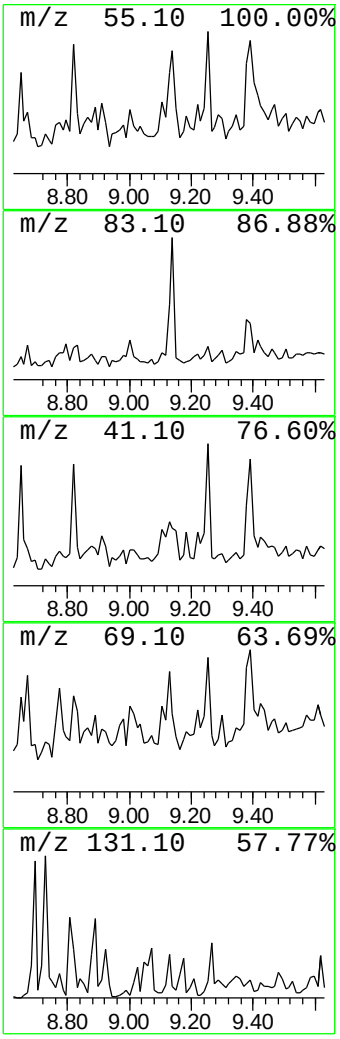
Peak Number 11 unknown9.13 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	23.41 ng	5534420	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octenal, (E)-	126	C8H14O	002548-87-0	45
2	1-Propenylaziridine	83	C5H9N	1000192-51-0	30
3	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	27
4	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	27
5	Cyclohexane, isothiocyanato-	141	C7H11NS	001122-82-3	27





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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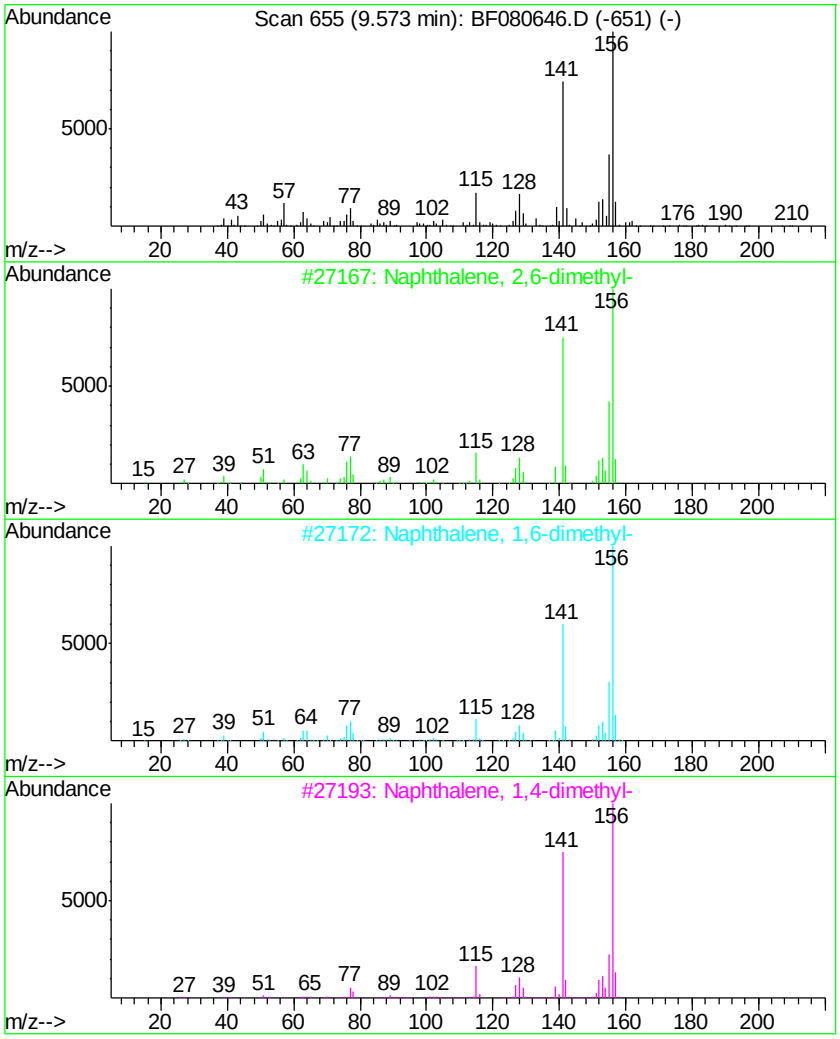
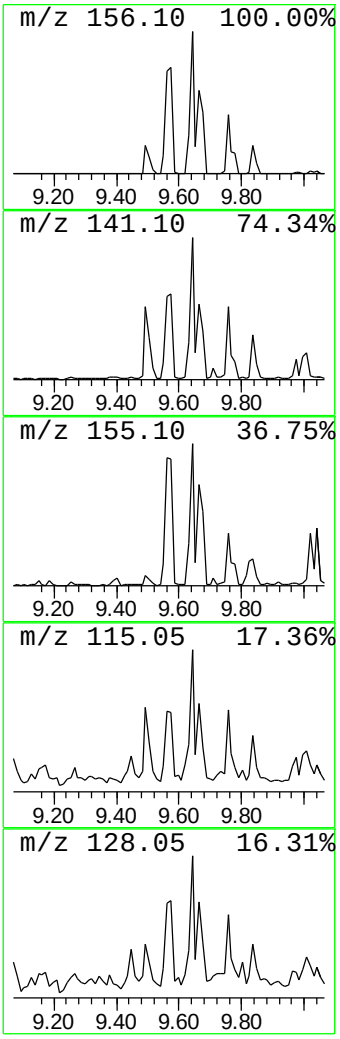
Peak Number 12 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	27.27 ng	6448380	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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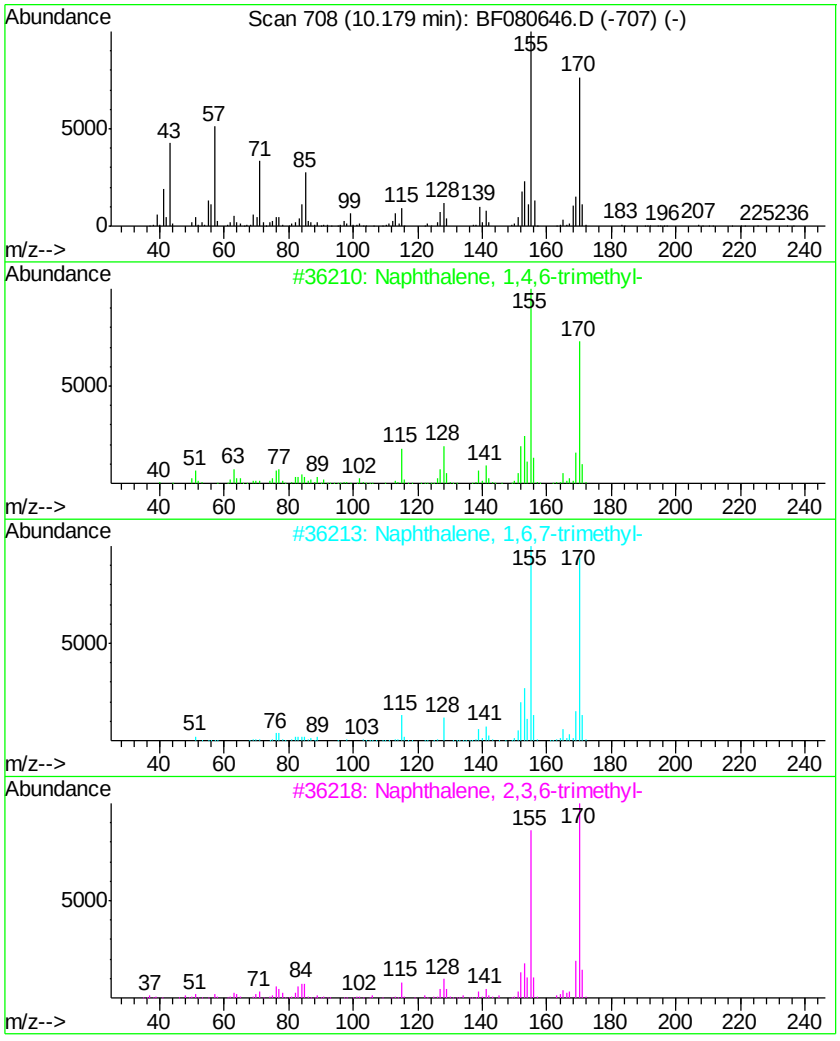
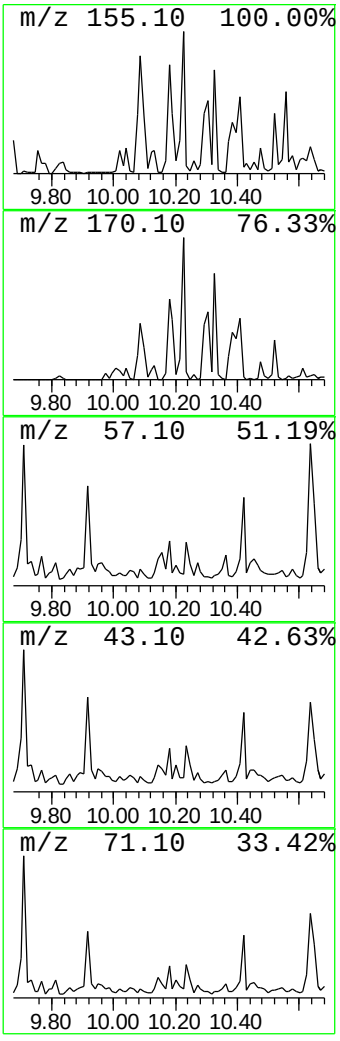
Peak Number 13 Naphthalene, 1,4,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	18.53 ng	4381810	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	87
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	87





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Instrument : BNA_F
ClientSampleId : SA(2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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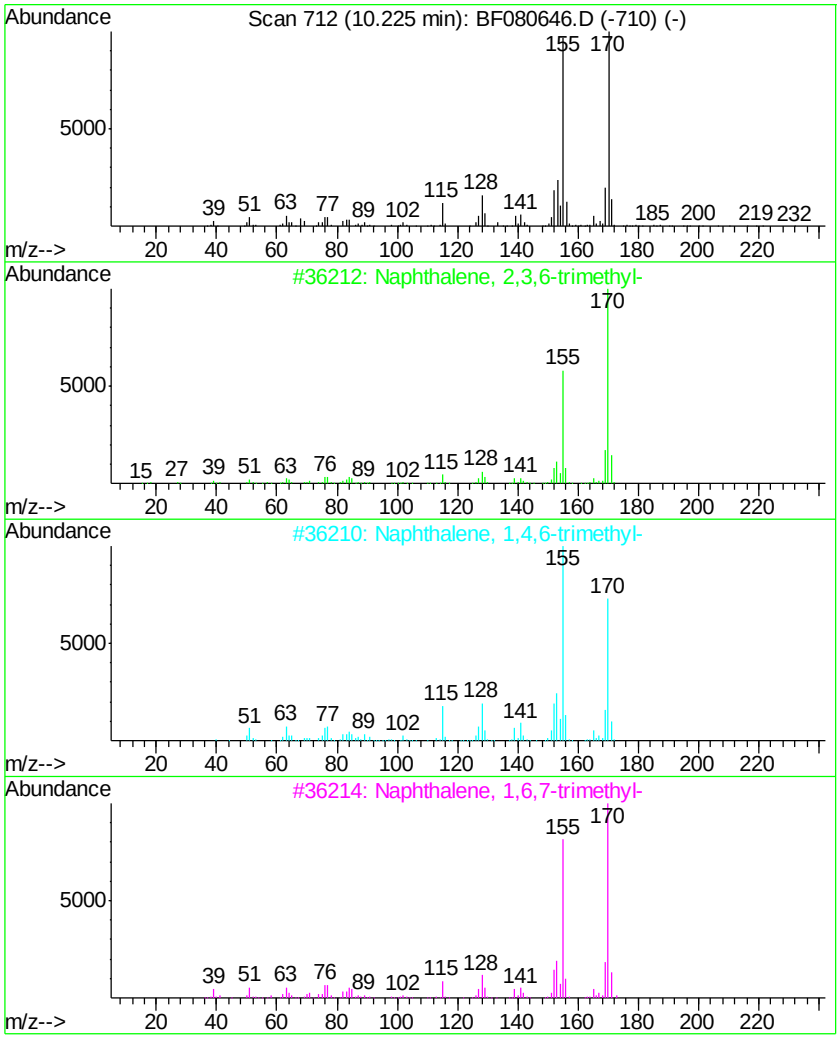
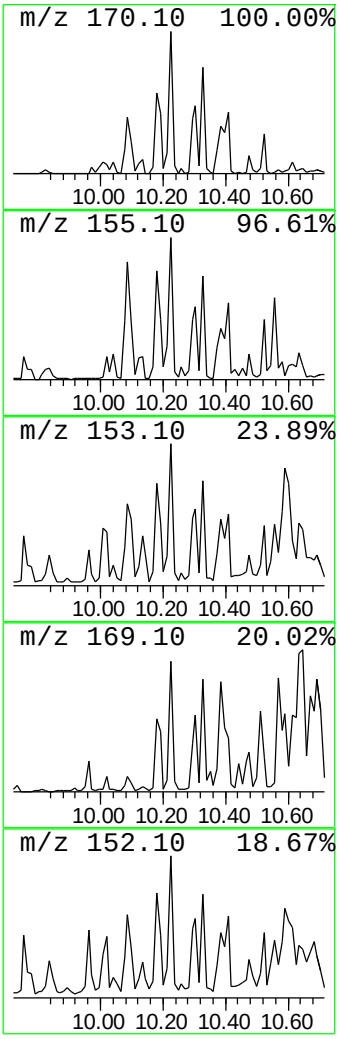
Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	27.97 ng	6612140	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	94
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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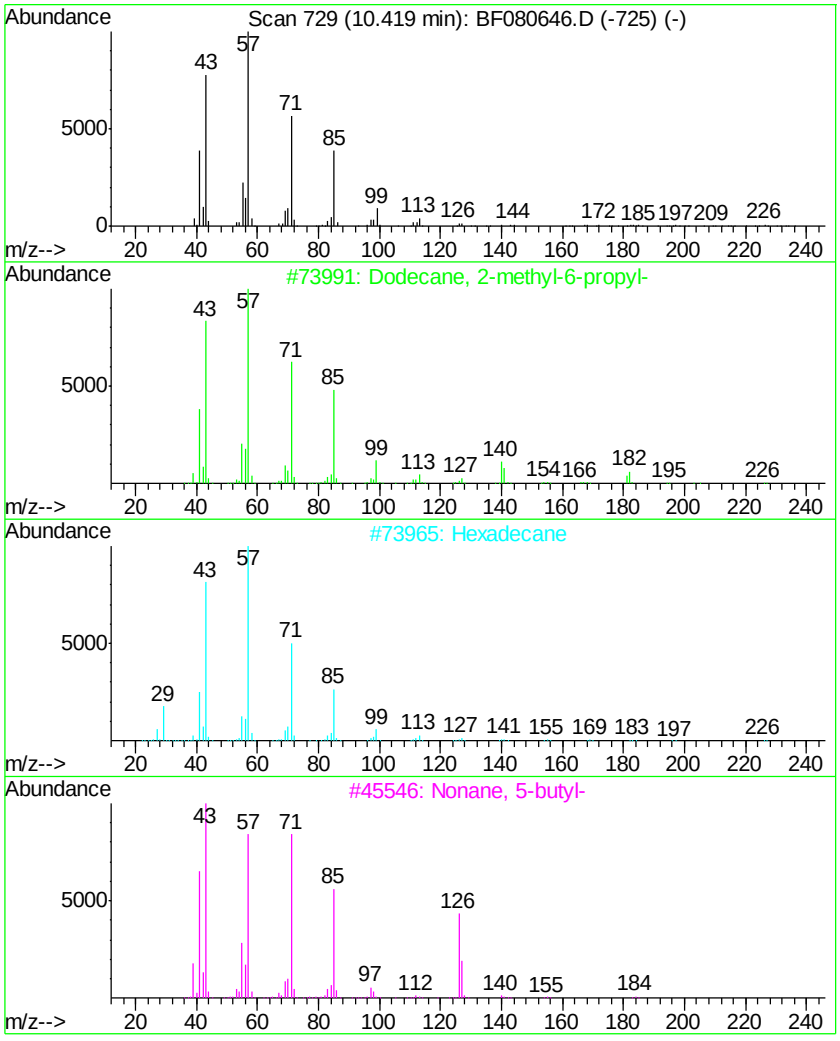
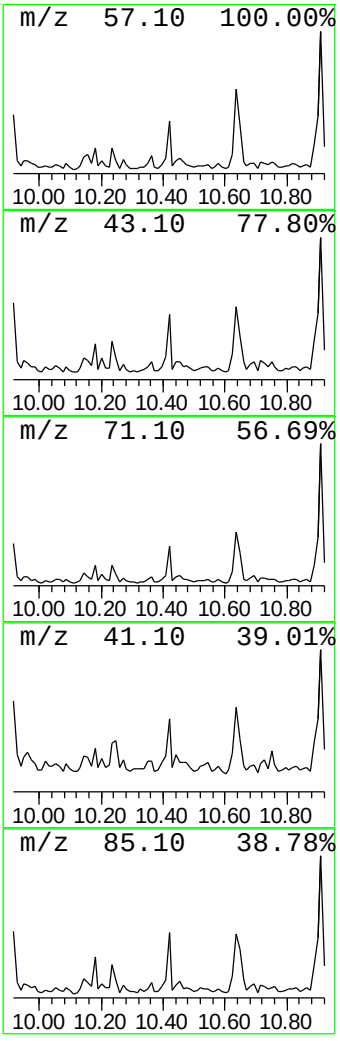
Peak Number 15 Dodecane, 2-methyl-6-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	24.99 ng	5907810	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
2	Hexadecane	226	C16H34	000544-76-3	80
3	Nonane, 5-butyl-	184	C13H28	017312-63-9	80
4	Eicosane	282	C20H42	000112-95-8	80
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	76





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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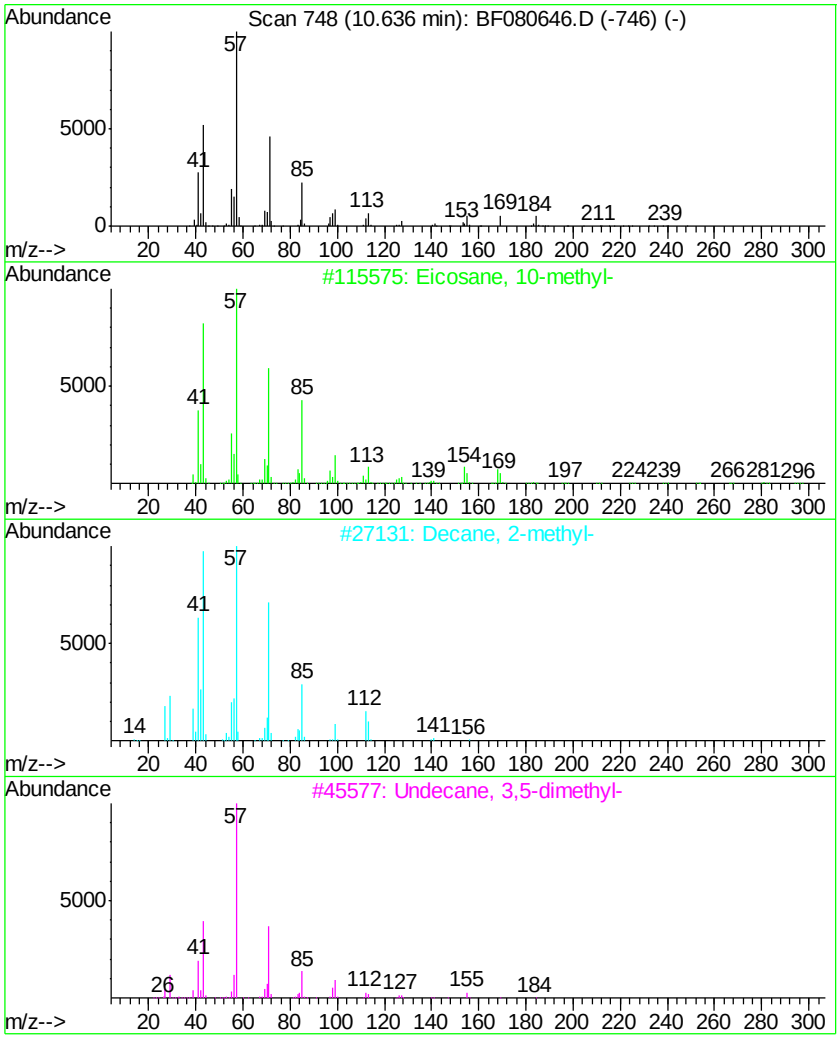
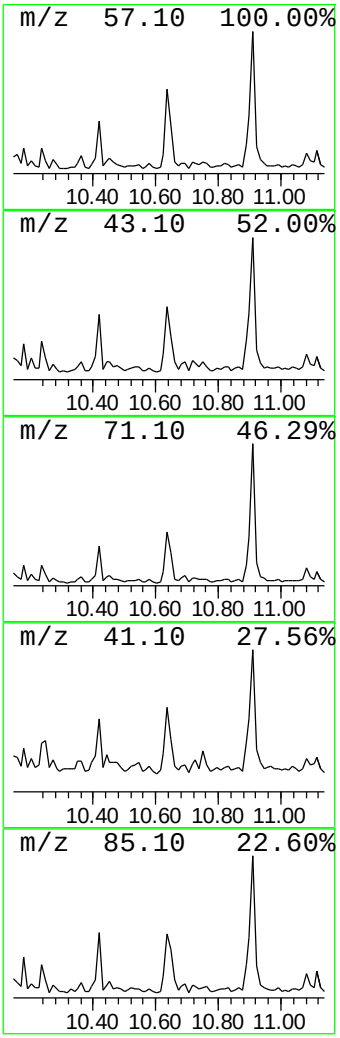
Peak Number 16 Eicosane, 10-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	31.44 ng	7432930	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	72
2	Decane, 2-methyl-	156	C11H24	006975-98-0	70
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	64
4	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	62
5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	59





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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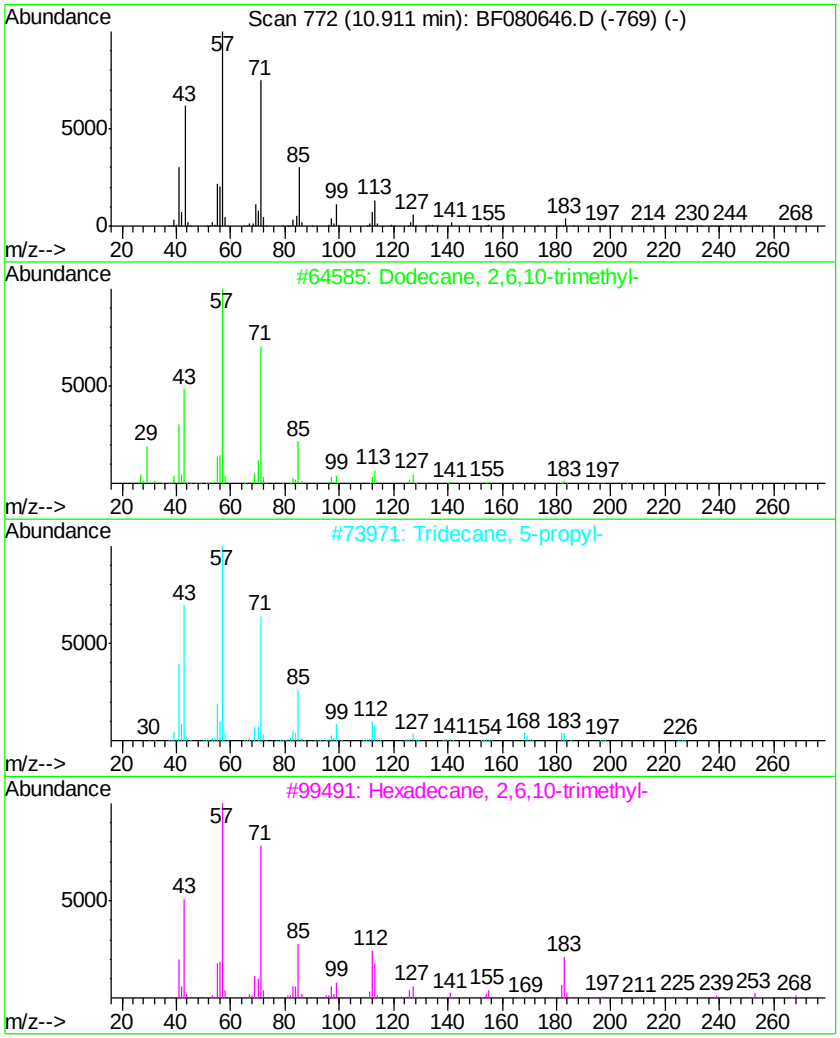
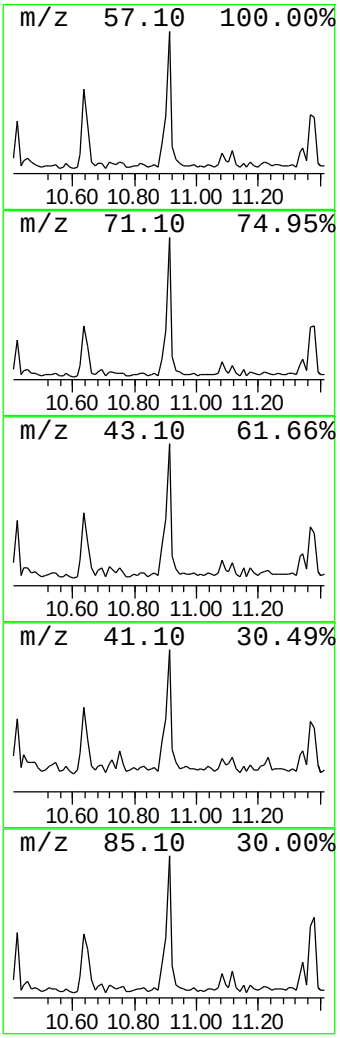
Peak Number 17 Dodecane, 2,6,10-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	102.97 ng	12072600	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	80
3	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	80
4	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	78
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72





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TIC Library : C:\DATABASE\NIST02.L
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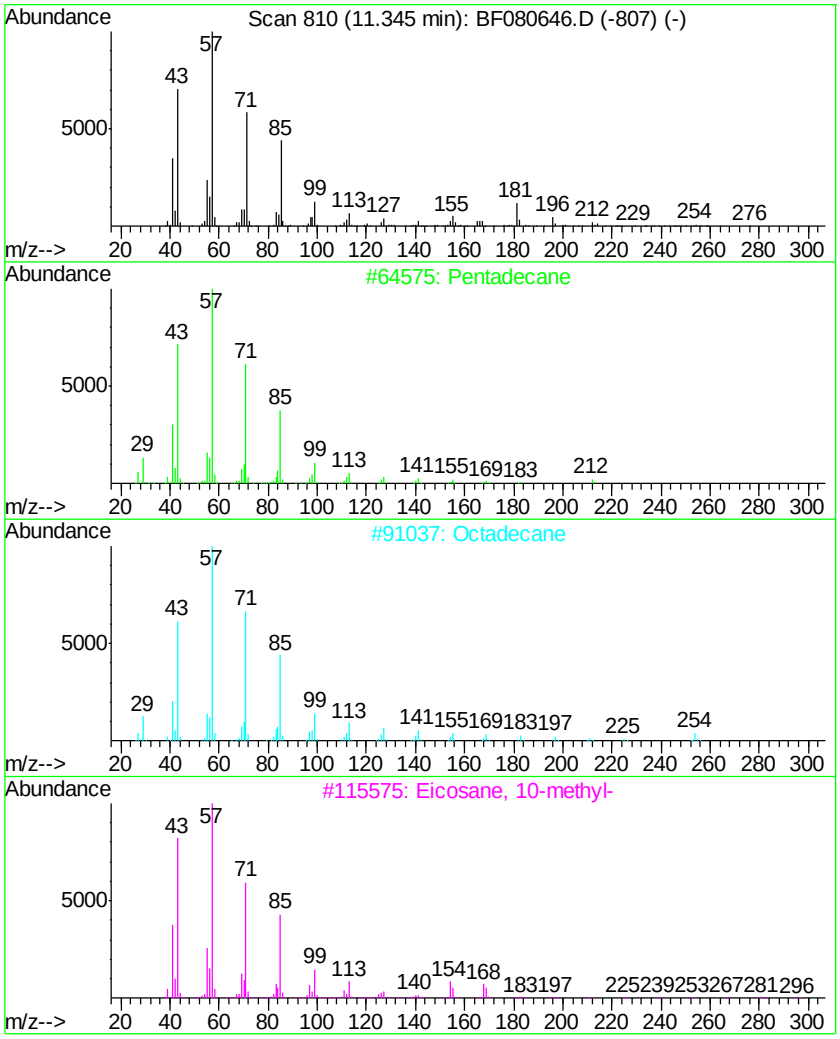
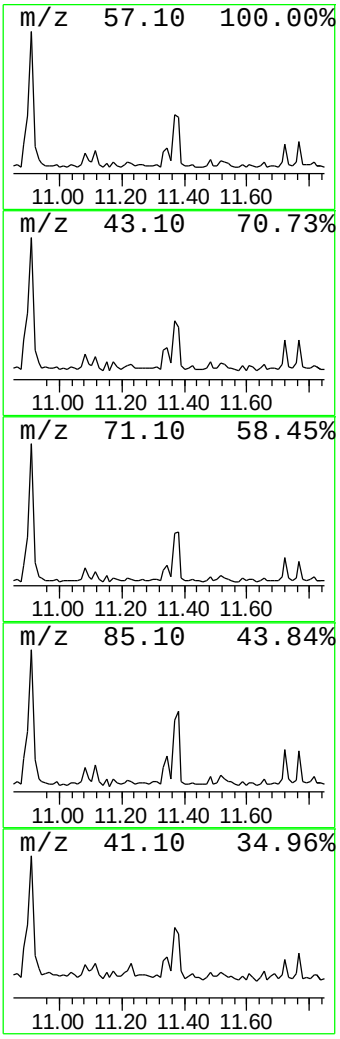
Peak Number 18 Pentadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	23.68 ng	2776320	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	Octadecane	254	C18H38	000593-45-3	91
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	74
4	Heptacosane	380	C27H56	000593-49-7	74
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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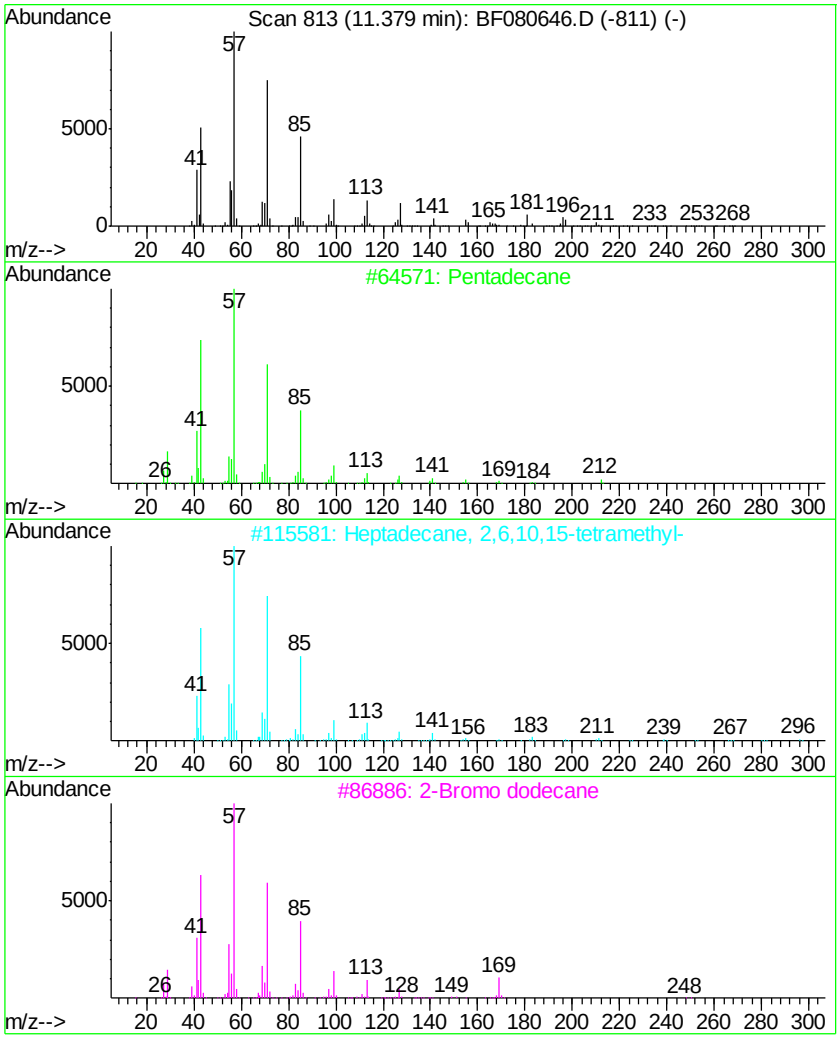
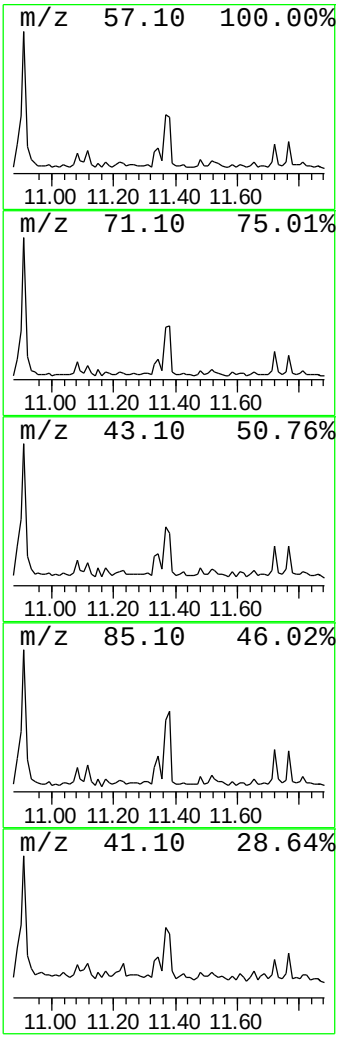
Peak Number 19 Heptadecane, 2,6,10,15-tetr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	50.55 ng	5925920	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	90
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	80
4	Heptacosane	380	C27H56	000593-49-7	80
5	Heptadecane	240	C17H36	000629-78-7	78





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
Data File : BF080646.D
Acq On : 25 Jul 2015 1:12
Operator : TP/UM
Sample : G3069-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

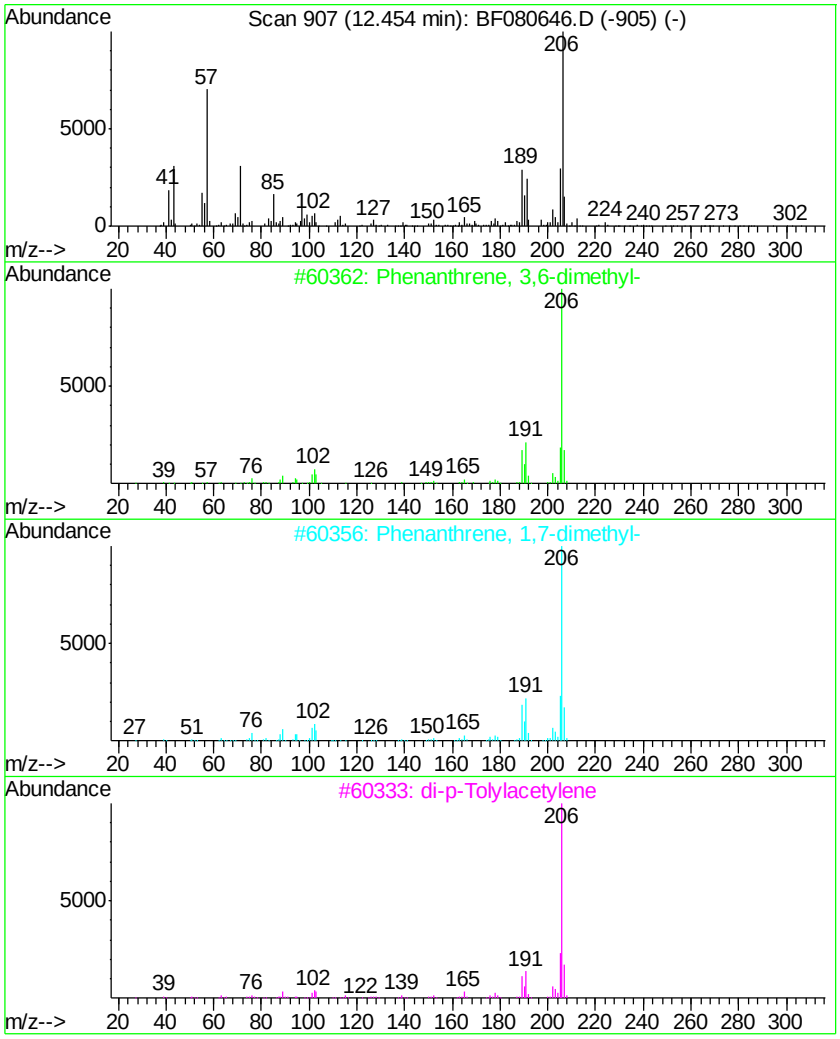
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

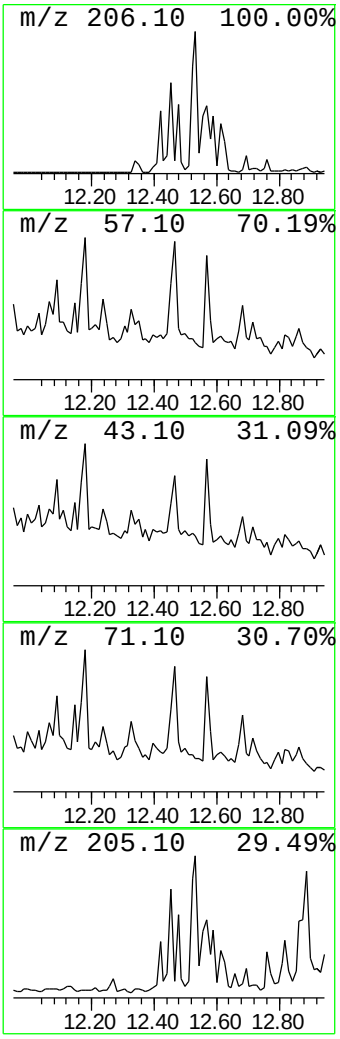
****

Peak Number 20 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	20.24 ng	2373130	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	59
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
Data File : BF080646.D
Acq On : 25 Jul 2015 1:12
Operator : TP/UM
Sample : G3069-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA(2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.69	6.69	29.9	ng	2120140	1	6.93	1417780	20.0
Decane	6.77	42.1	ng	2982680	1	6.93	1417780	20.0
Benzene, 1-ethyl-...	7.25	22.1	ng	1565890	1	6.93	1417780	20.0
unknown7.33	7.33	20.9	ng	1481160	1	6.93	1417780	20.0
3-Phenylbut-1-ene	7.96	25.7	ng	5681640	2	8.22	4422020	20.0
unknown8.52	8.52	18.9	ng	4177140	2	8.22	4422020	20.0
Octane, 3,6-dimet...	8.65	22.1	ng	4887180	2	8.22	4422020	20.0
Tridecane	8.82	20.0	ng	4423370	2	8.22	4422020	20.0
unknown9.13	9.13	23.4	ng	5534420	3	9.98	4728630	20.0
Naphthalene, 2,6-...	9.57	27.3	ng	6448380	3	9.98	4728630	20.0
Naphthalene, 1,4,...	10.18	18.5	ng	4381810	3	9.98	4728630	20.0
Naphthalene, 2,3,...	10.22	28.0	ng	6612140	3	9.98	4728630	20.0
Dodecane, 2-methy...	10.42	25.0	ng	5907810	3	9.98	4728630	20.0
Eicosane, 10-methyl-	10.64	31.4	ng	7432930	3	9.98	4728630	20.0
Dodecane, 2,6,10-...	10.91	103.0	ng	12072600	4	11.47	2344810	20.0
Pentadecane	11.35	23.7	ng	2776320	4	11.47	2344810	20.0
Heptadecane, 2,6,...	11.38	50.5	ng	5925920	4	11.47	2344810	20.0
Phenanthrene, 3,6...	12.45	20.2	ng	2373130	4	11.47	2344810	20.0