LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083390.D
Acq On : 1 Dec 2015 23:59
Operator : UM/IZ
Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

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-BF113015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.270	41	51	55	rVB	131321	365317	4.81%	0.231%
2	2.578	70	78	83	rVB3	68242	188362	2.48%	0.119%
3	3.504	151	159	162	rBV2	208139	606043	7.98%	0.383%
4	3.699	171	176	180	rBV2	75062	234727	3.09%	0.148%
5	3.779	180	183	187	rVB	98735	228376	3.01%	0.144%
6	3.950	192	198	203	rBV2	290892	716754	9.44%	0.453%
7	4.087	206	210	214	rBV2	192777	415047	5.46%	0.262%
8	4.476	242	244	246	rBV	368071	559327	7.36%	0.353%
9	4.533	246	249	250	rVV2	248210	431984	5.69%	0.273%
10	4.567	250	252	255	rVB	760523	930081	12.24%	0.588%
11	4.659	255	260	267	rBV2	1683146	4575268	60.23%	2.891%
12	4.784	267	271	276	rVB2	281347	594794	7.83%	0.376%
13	4.864	276	278	281	rBV2	635833	1088213	14.33%	0.688%
14	4.910	281	282	286	rVB3	278309	574669	7.57%	0.363%
15	4.979	286	288	289	rBV	257036	311240	4.10%	0.197%
16	5.002	289	290	292	rBV	343100	348356	4.59%	0.220%
17	5.059	293	295	296	rBV2	267926	242529	3.19%	0.153%
18	5.082	296	297	300	rVB	626547	737211	9.70%	0.466%
19	5.139	300	302	308	rBV	4686186	6023352	79.29%	3.806%
20	5.264	311	313	315	rBV	583691	847922	11.16%	0.536%
21	5.310	315	317	319	rVB	575849	546838	7.20%	0.346%
22	5.356	319	321	326	rVB4	459718	1082833	14.25%	0.684%
23	5.436	326	328	331	rVB	239588	319920	4.21%	0.202%
24	5.527	331	336	338	rBV2	879295	1621123	21.34%	1.024%
25	5.607	338	343	346	rVB5	270662	995766	13.11%	0.629%
26	5.676	346	349	352	rBV3	729637	1502087	19.77%	0.949%
27	5.744	352	355	356	rBV	499613	783097	10.31%	0.495%
28	5.790	356	359	362	rVB2	1790223	2844383	37.44%	1.797%
29	5.847	362	364	367	rBV	1055574	1513228	19.92%	0.956%
30	5.984	372	376	379	rBV3	934137	1981402	26.08%	1.252%
31	6.053	379	382	384	rBV3	1554053	2668813	35.13%	1.686%
32	6.144	388	390	392	rBV2	1111989	1307323	17.21%	0.826%
33	6.190	392	394	395	rBV2	444608	649478	8.55%	0.410%
34	6.224	395	397	401	rVB	5172890	7072404	93.10%	4.469%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083390.D
Acq On : 1 Dec 2015 23:59
Operator : UM/IZ
Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

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-BF113015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.293	401	403	404	rBV2	865997	1459407	19.21%	0.922%
36	6.327	404	406	408	rVB	5358153	5686869	74.86%	3.594%
37	6.373	408	410	411	rVB2	292529	192026	2.53%	0.121%
38	6.407	411	413	414	rBV2	432053	509297	6.70%	0.322%
39	6.510	419	422	423	rBV2	519439	1060162	13.96%	0.670%
40	6.556	423	426	427	rVV2	1136107	1607447	21.16%	1.016%
41	6.590	427	429	430	rVB	1878604	1890999	24.89%	1.195%
42	6.625	430	432	434	rBV3	403506	853248	11.23%	0.539%
43	6.705	436	439	444	rVB2	4861202	7596389	100.00%	4.800%
44	6.819	444	449	450	rBV4	840780	2064325	27.18%	1.304%
45	6.853	450	452	453	rVB2	1126125	1078008	14.19%	0.681%
46	6.887	453	455	456	rVB	840208	964045	12.69%	0.609%
47	6.910	456	457	458	rBV	247739	253130	3.33%	0.160%
48	6.945	458	460	465	rVB3	1291495	2293427	30.19%	1.449%
49	7.047	467	469	470	rBV2	125858	253993	3.34%	0.161%
50	7.127	470	476	477	rBV2	3623119	6190186	81.49%	3.912%
51	7.219	481	484	486	rVB2	1346121	2170267	28.57%	1.371%
52	7.287	486	490	492	rBV3	1316035	2675859	35.23%	1.691%
53	7.333	492	494	495	rBV	807567	924292	12.17%	0.584%
54	7.367	495	497	500	rVB	2154988	2409923	31.72%	1.523%
55	7.425	500	502	503	rBV2	585764	662698	8.72%	0.419%
56	7.470	503	506	508	rBV3	2125503	3423873	45.07%	2.164%
57	7.550	511	513	514	rBV2	757395	1001935	13.19%	0.633%
58	7.585	514	516	517	rVB2	781624	916120	12.06%	0.579%
59	7.619	517	519	521	rVB2	891151	1172730	15.44%	0.741%
60	7.676	521	524	526	rBV3	699228	1268202	16.69%	0.801%
61	7.722	526	528	529	rBV	439284	522979	6.88%	0.330%
62	7.836	532	538	540	rVB3	2585254	4604664	60.62%	2.910%
63	7.882	540	542	544	rBV2	848366	1844170	24.28%	1.165%
64	7.928	544	546	552	rVB	3317817	4795858	63.13%	3.031%
65	8.030	552	555	556	rBV2	451140	902510	11.88%	0.570%
66	8.053	556	557	559	rVB2	479837	614974	8.10%	0.389%
67	8.145	562	565	567	rVV2	1216189	1472713	19.39%	0.931%
68	8.179	567	568	569	rVB	363338	254160	3.35%	0.161%
69	8.293	575	578	581	rBV	2834361	4280479	56.35%	2.705%
70	8.385	584	586	588	rVV3	302351	442329	5.82%	0.280%
71	8.465	590	593	594	rBV2	579677	1100594	14.49%	0.695%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083390.D
Acq On : 1 Dec 2015 23:59
Operator : UM/IZ
Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

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-BF113015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.545	598	600	602	rVB3	925117	1780605	23.44%	1.125%
73	8.579	602	603	605	rBV2	328779	595251	7.84%	0.376%
74	8.648	608	609	613	rVB4	441642	690976	9.10%	0.437%
75	8.762	615	619	621	rBV2	972070	1293731	17.03%	0.818%
76	8.830	623	625	626	rBV	544734	521704	6.87%	0.330%
77	8.888	626	630	631	rBV	2573266	2778405	36.58%	1.756%
78	8.922	631	633	636	rVB	5117001	5111990	67.30%	3.230%
79	8.990	637	639	641	rBV3	583661	1055641	13.90%	0.667%
80	9.036	641	643	644	rBV	311731	328619	4.33%	0.208%
81	9.253	661	662	665	rBV3	495894	944348	12.43%	0.597%
82	9.299	665	666	667	rVV	1752330	1304082	17.17%	0.824%
83	9.345	667	670	674	rVB3	1910882	3799685	50.02%	2.401%
84	9.459	678	680	681	rBV2	686986	1156948	15.23%	0.731%
85	9.505	681	684	686	rVB	1525060	1960262	25.81%	1.239%
86	9.539	686	687	688	rBV	416773	433056	5.70%	0.274%
87	9.585	688	691	694	rVB3	1652877	2498500	32.89%	1.579%
88	9.631	694	695	698	rVB	696571	660667	8.70%	0.417%
89	9.699	699	701	704	rVB4	327290	564001	7.42%	0.356%
90	9.756	704	706	707	rBV	423229	453012	5.96%	0.286%
91	9.871	714	716	718	rBV2	928828	897125	11.81%	0.567%
92	9.928	718	721	722	rBV2	946363	1725956	22.72%	1.091%
93	9.962	722	724	725	rVV	592798	569469	7.50%	0.360%
94	9.996	725	727	729	rVV	1945156	1923311	25.32%	1.215%
95	10.042	729	731	734	rVV3	538368	1092427	14.38%	0.690%
96	10.271	749	751	752	rBV	535287	496040	6.53%	0.313%
97	10.385	758	761	762	rBV	2342072	2842475	37.42%	1.796%
98	10.522	771	773	774	rBV	647211	1026237	13.51%	0.648%
99	11.139	825	827	829	rBV	929248	1087717	14.32%	0.687%
100	17.986	1424	1426	1431	rVB2	1151726	2335661	30.75%	1.476%

Sum of corrected areas: 158250455

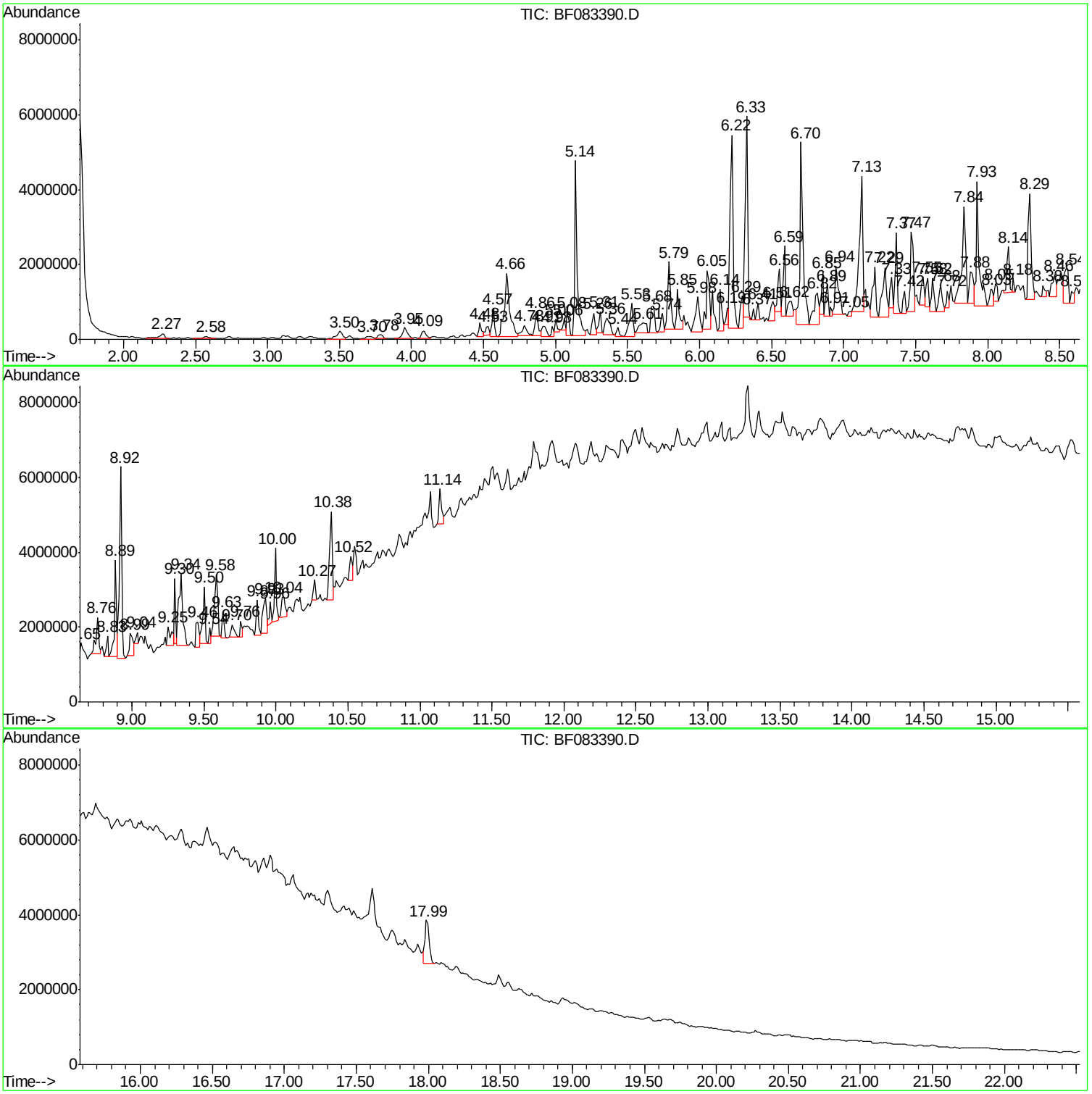
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083390.D
Acq On : 1 Dec 2015 23:59
Operator : UM/IZ
Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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\BF120115\
Data File : BF083390.D
Acq On : 1 Dec 2015 23:59
Operator : UM/IZ
Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

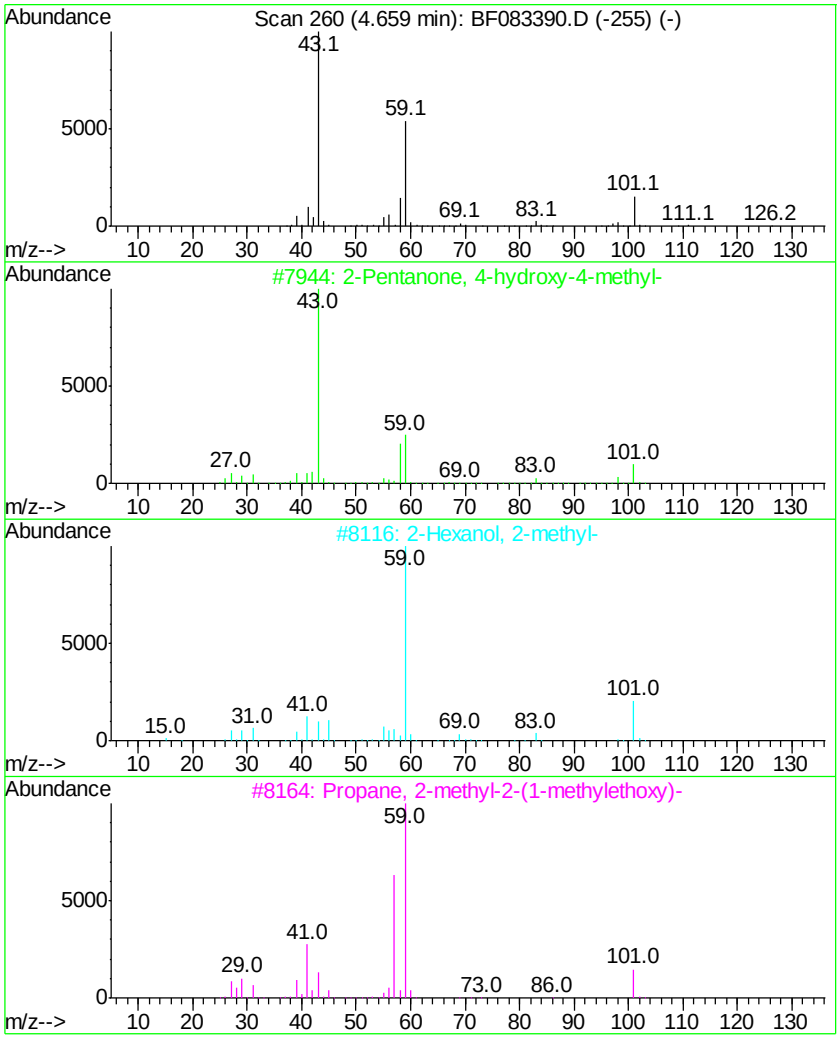
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

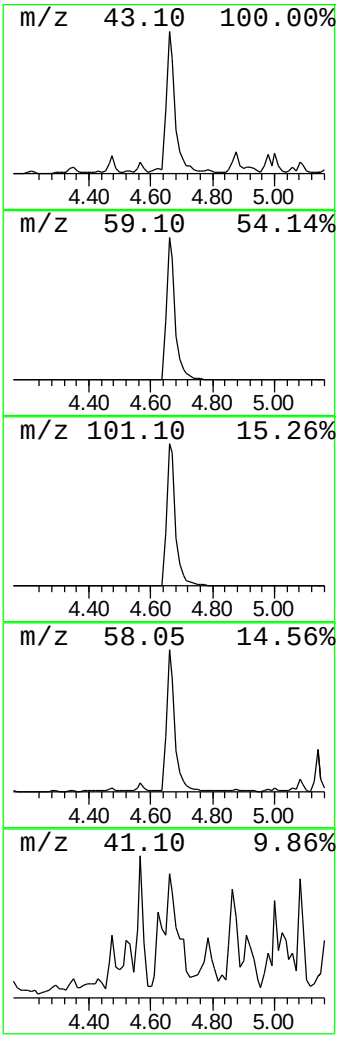
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.66	56.93 ng	4575270	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4	3-Octanol	130	C8H18O	000589-98-0	28
5	3-Hexanol, 4-ethyl-	130	C8H18O	019780-44-0	28





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083390.D
Acq On : 1 Dec 2015 23:59
Operator : UM/IZ
Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

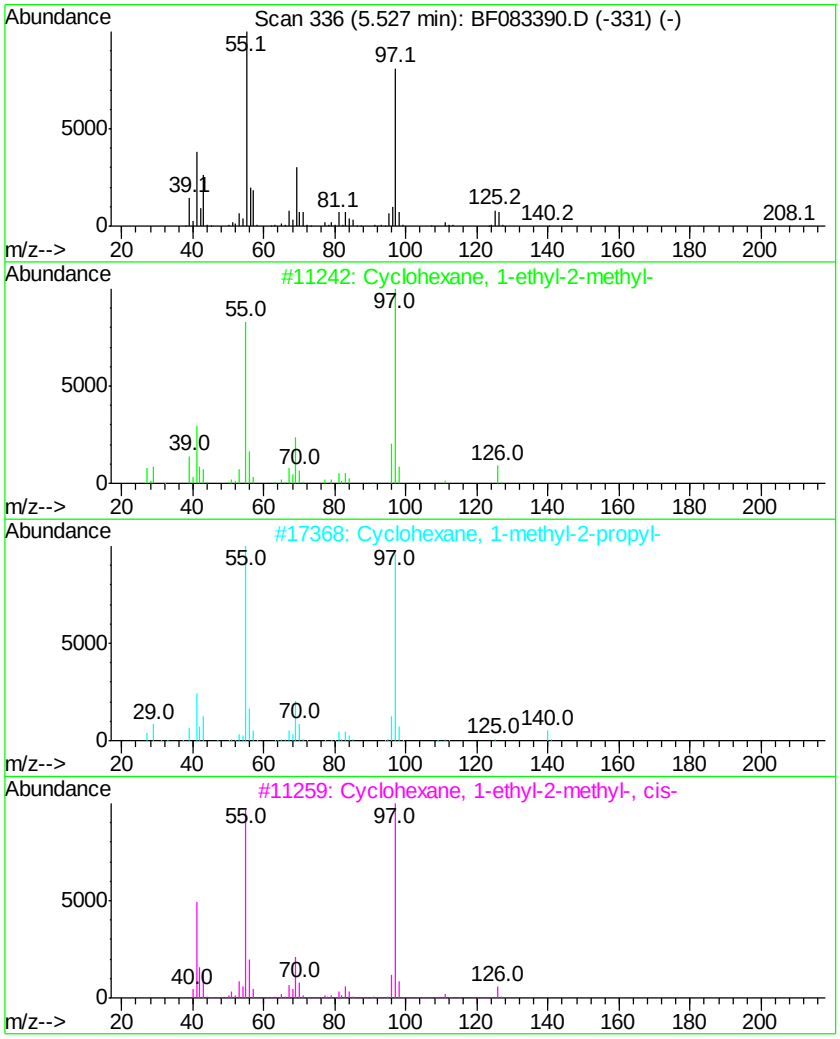
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

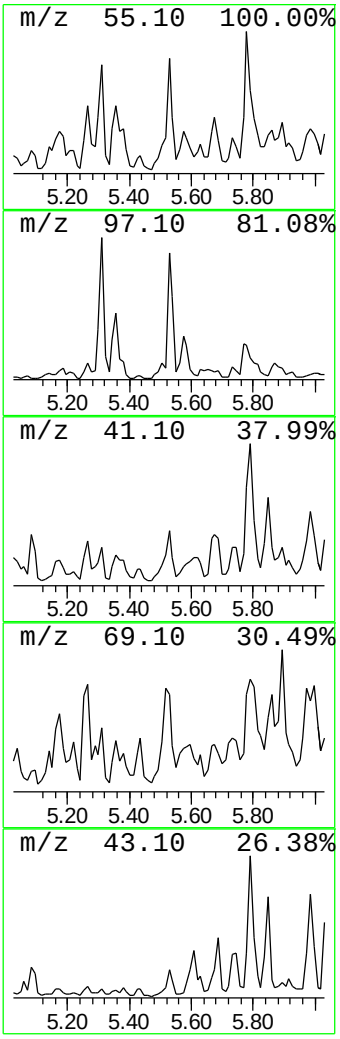
****

Peak Number 2 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	20.17 ng	1621120	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	83
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	64
4	1,3-Dimethylcyclohexane,c&t	112	C8H16	000591-21-9	64
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083390.D
Acq On : 1 Dec 2015 23:59
Operator : UM/IZ
Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

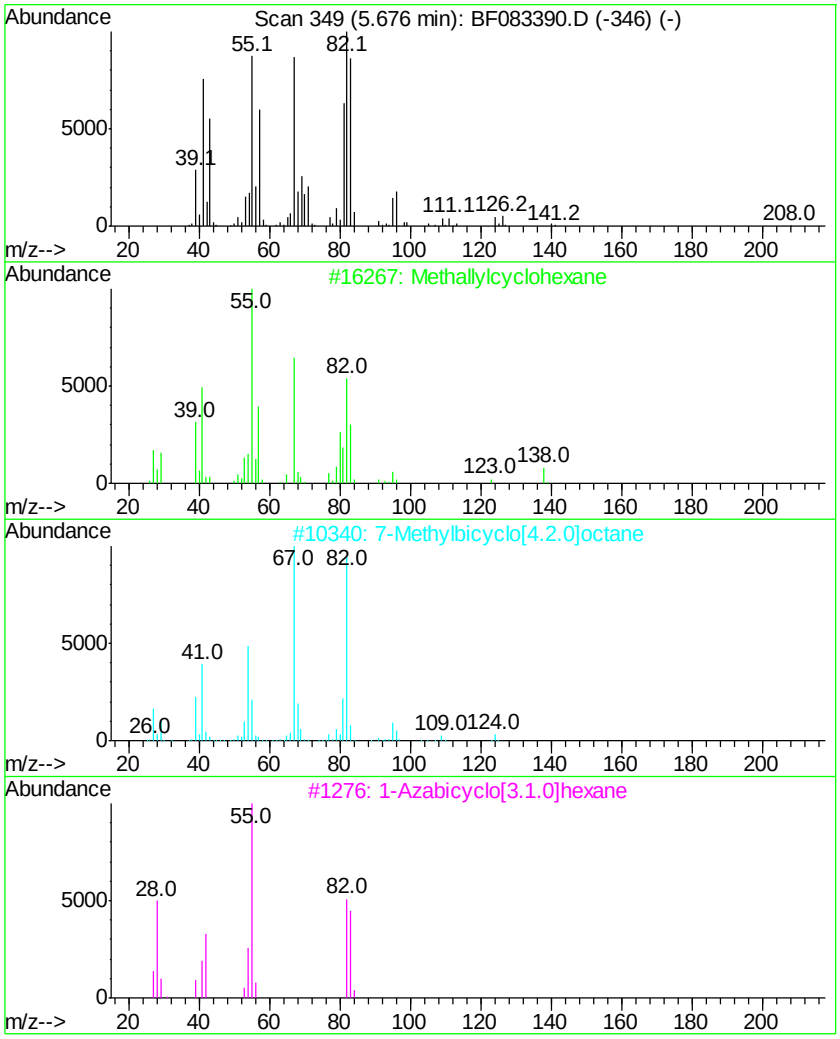
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

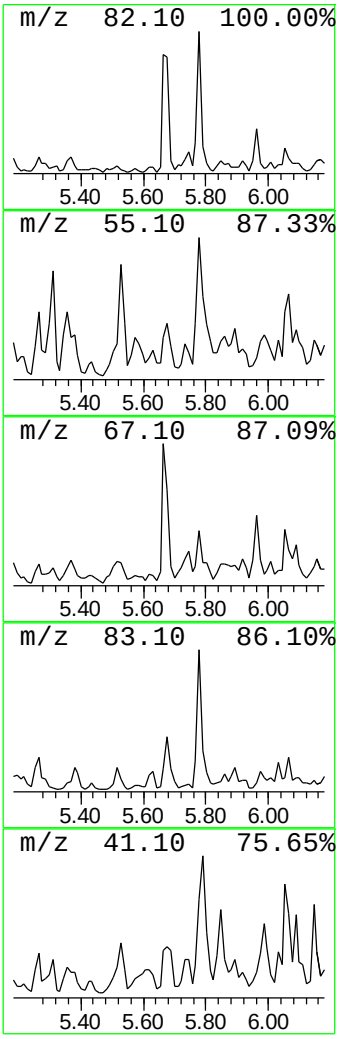
****

Peak Number 3 Methallylcyclohexane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.68	18.69 ng	1502090	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methallylcyclohexane	138	C10H18	003990-93-0	59
2	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	55
3	1-Azabicyclo[3.1.0]hexane	83	C5H9N	000285-76-7	43
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	43
5	Cis-bicyclo[4.2.0]octane	110	C8H14	028282-35-1	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083390.D
Acq On : 1 Dec 2015 23:59
Operator : UM/IZ
Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

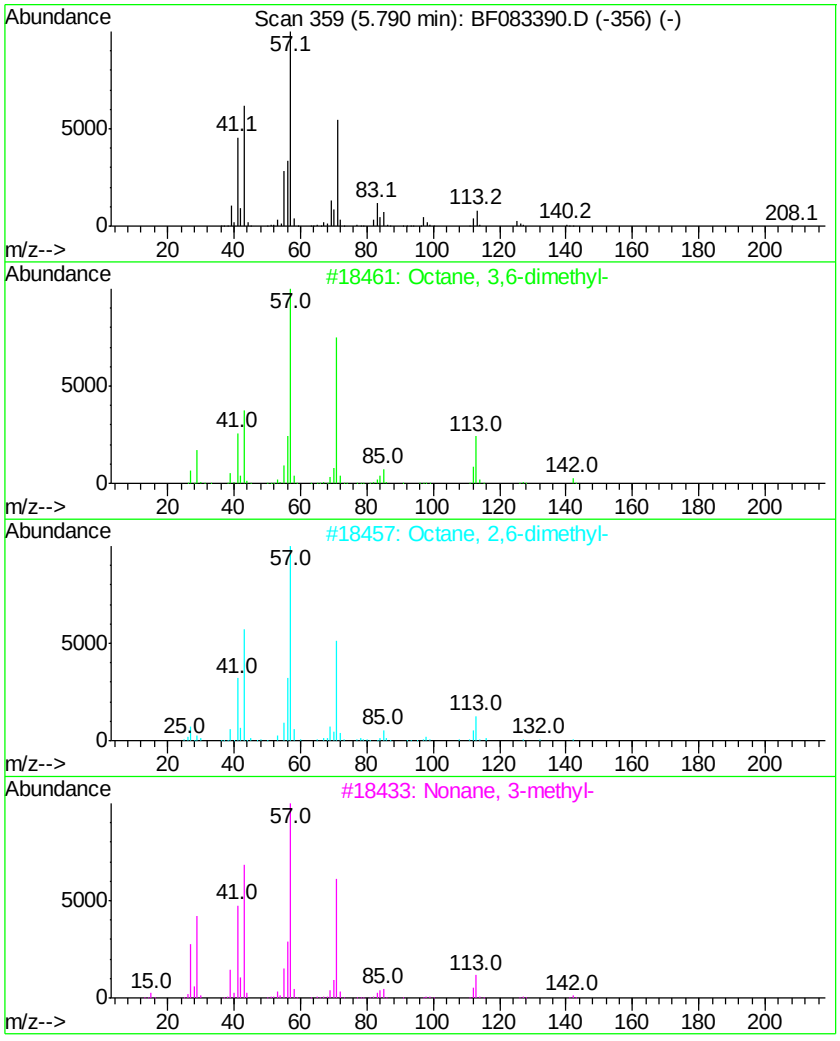
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

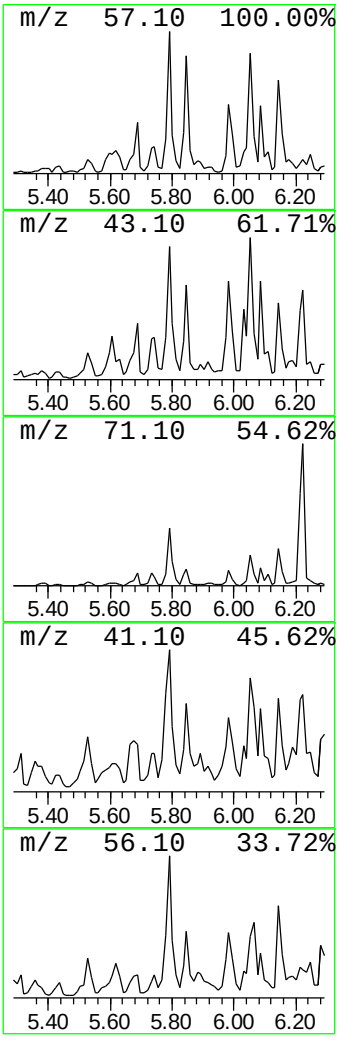
****

Peak Number 4 Octane, 3,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.79	35.39 ng	2844380	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	74
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	64
4	Octadecane	254	C18H38	000593-45-3	64
5	Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083390.D
Acq On : 1 Dec 2015 23:59
Operator : UM/IZ
Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

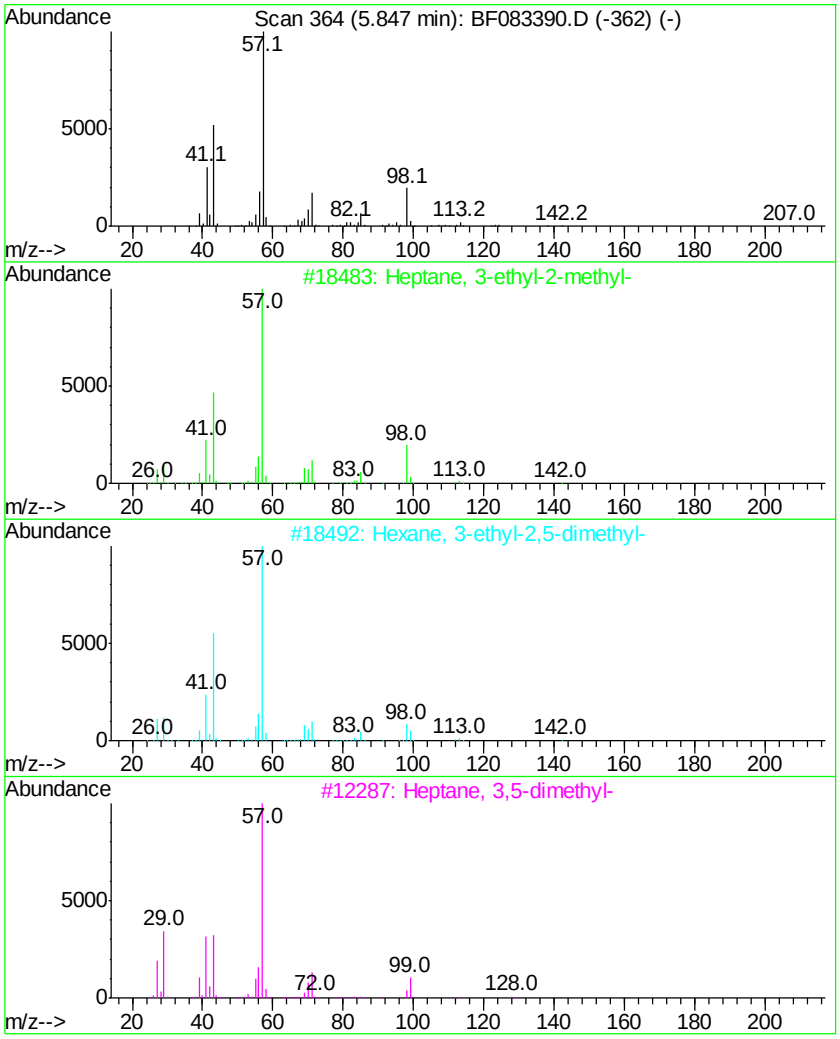
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

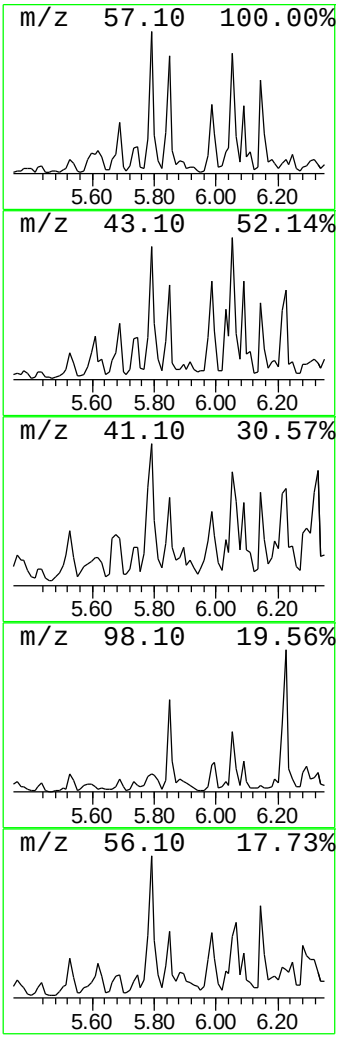
****

Peak Number 5 Heptane, 3-ethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.85	18.83 ng	1513230	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	78
2	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	58
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	47
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	47
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083390.D
Acq On : 1 Dec 2015 23:59
Operator : UM/IZ
Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

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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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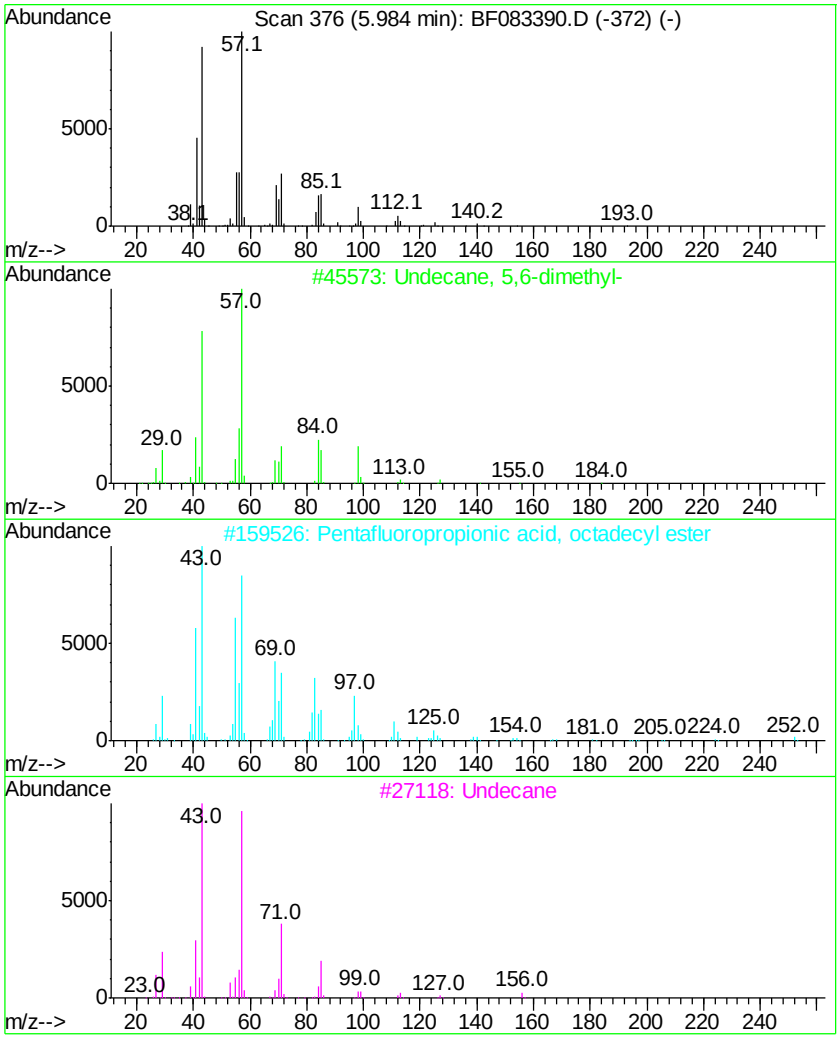
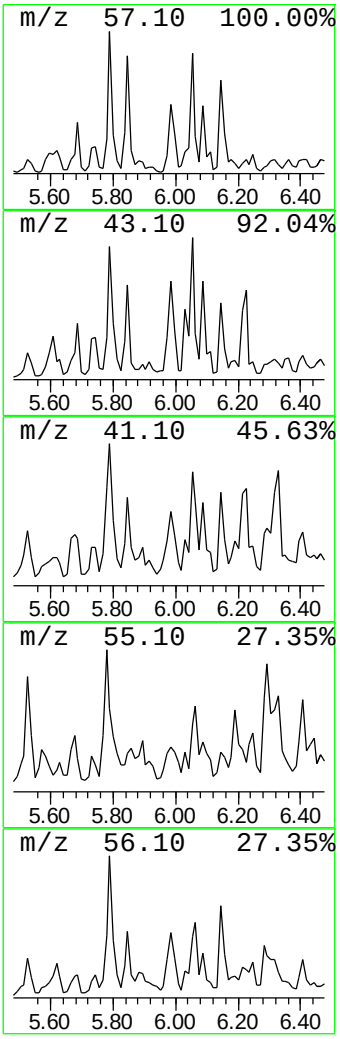
Peak Number 6 Undecane, 5,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	24.65 ng	1981400	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	72
2	Pentafluoropropionic acid, octad...	416	C21H37F5O2	1000280-07-7	64
3	Undecane	156	C11H24	001120-21-4	64
4	Decane	142	C10H22	000124-18-5	64
5	Ether, heptyl hexyl	200	C13H28O	007289-40-9	50





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Acq On : 1 Dec 2015 23:59
Operator : UM/IZ
Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

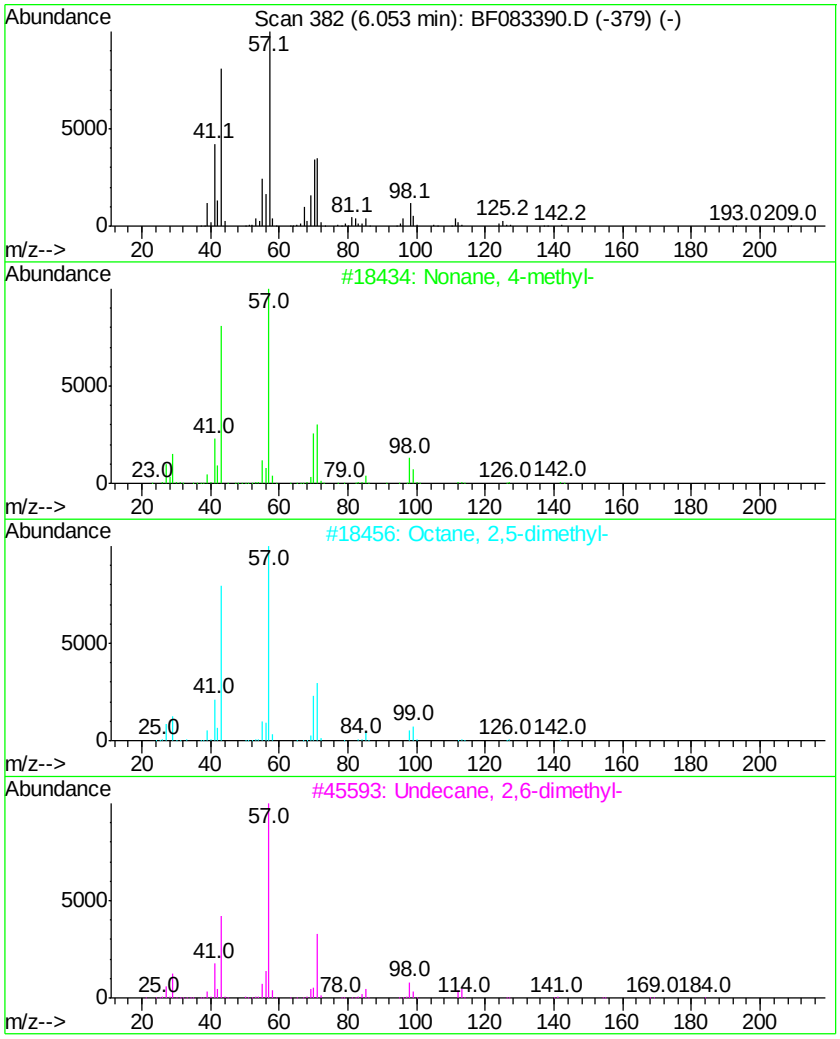
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

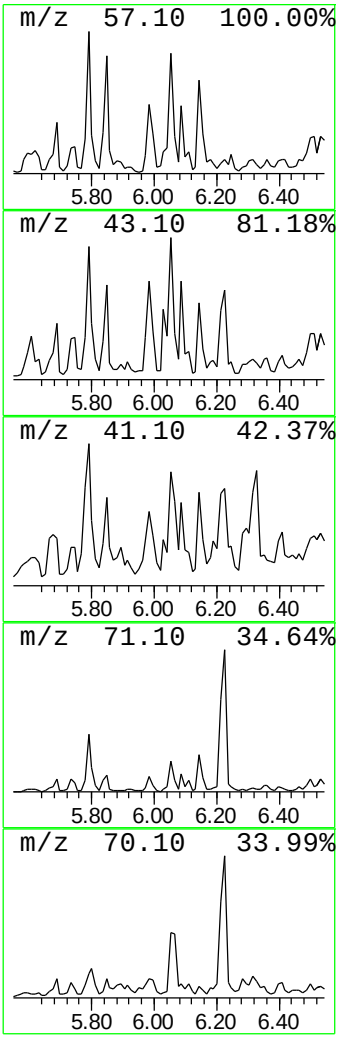
****

Peak Number 7 Nonane, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	33.21 ng	2668810	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	59
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	47
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	47
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
5	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	43





Library Search Compound Report

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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

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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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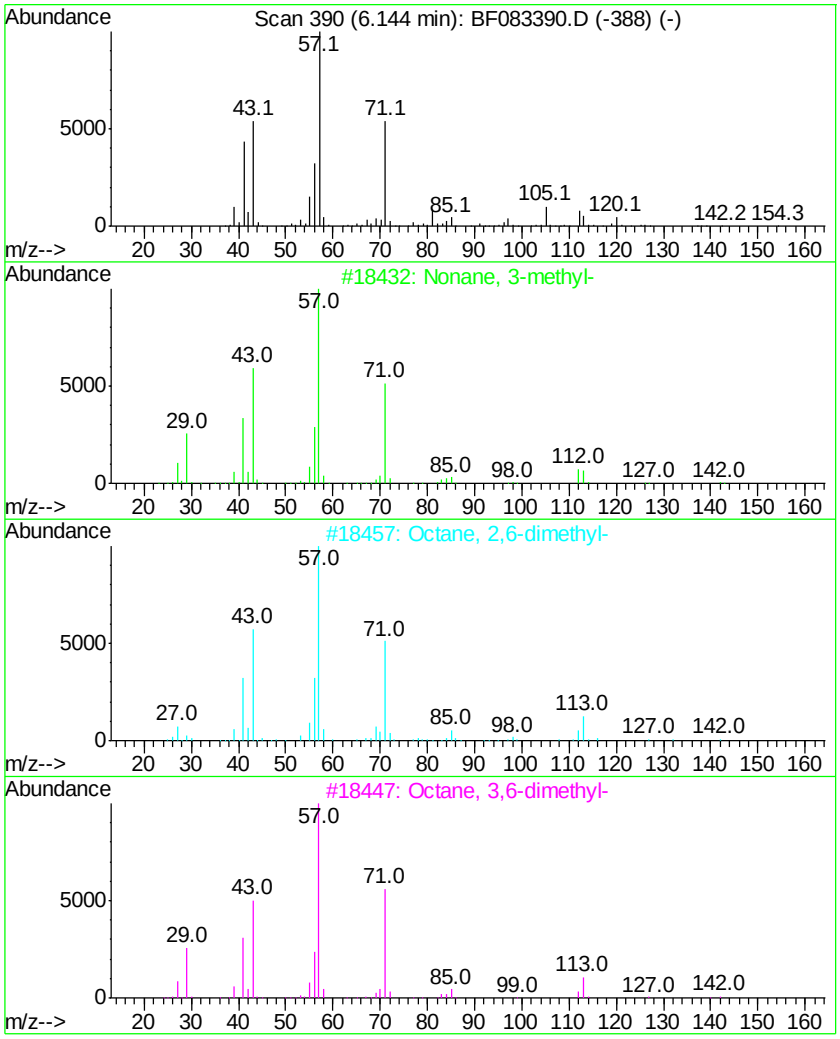
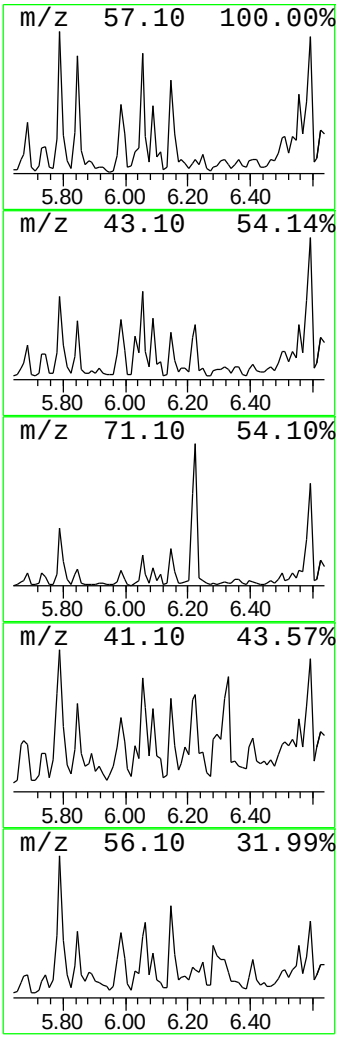
Peak Number 8 Nonane, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.14	16.27 ng	1307320	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53
4	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	53
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	50





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ClientSampleId : TP3(7-9)

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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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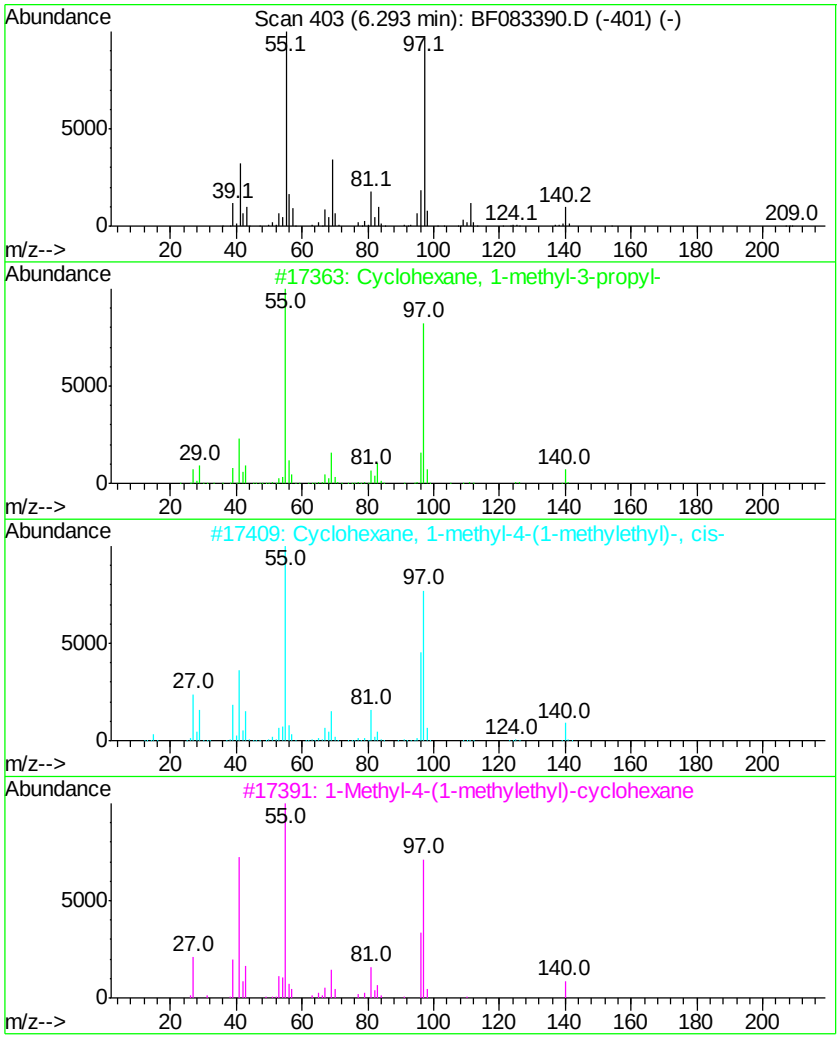
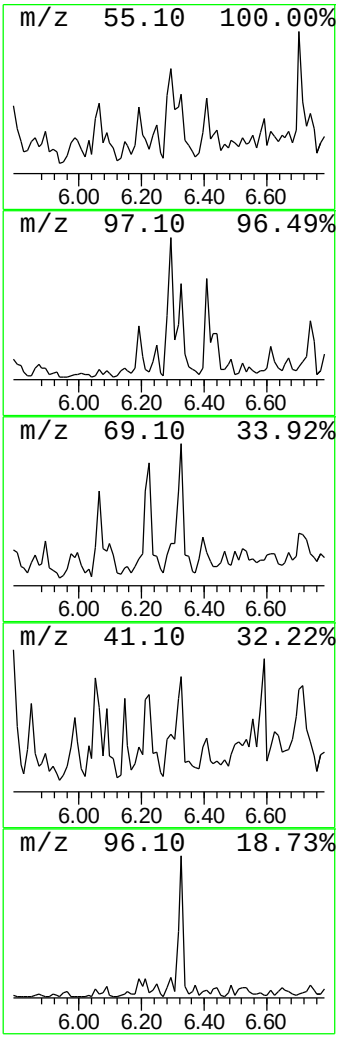
Peak Number 9 Cyclohexane, 1-methyl-3-pro... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	18.16 ng	1459410	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	87
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	74
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	72
4	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	72





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Acq On : 1 Dec 2015 23:59
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Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

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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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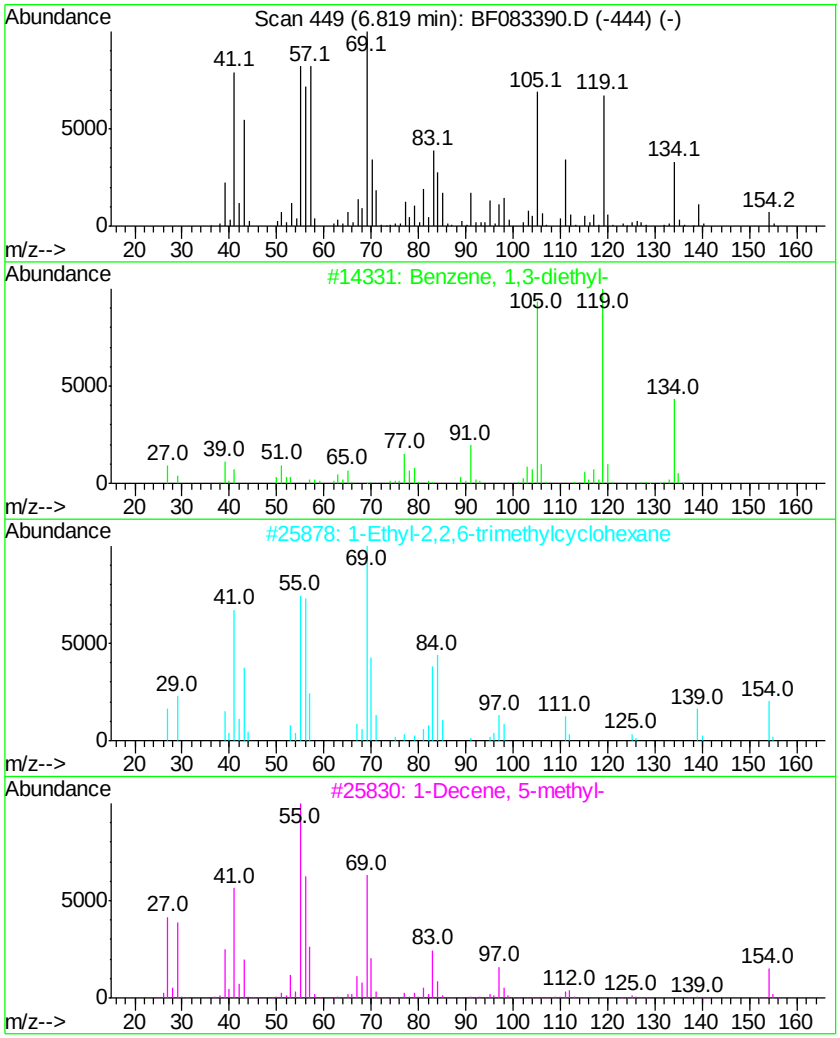
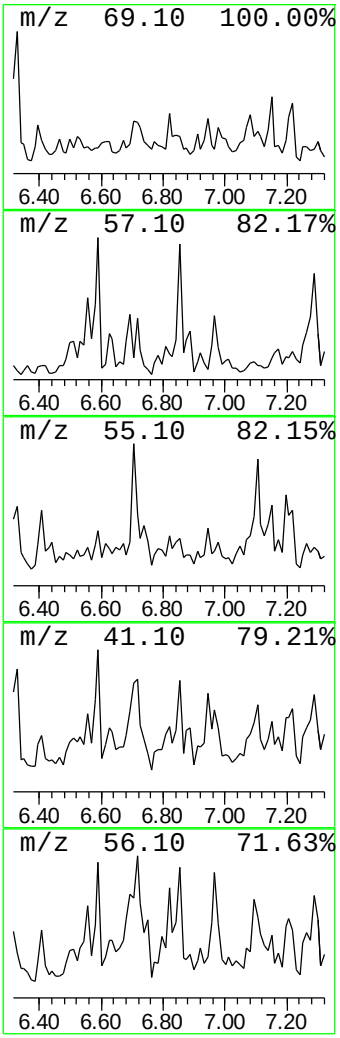
Peak Number 12 Benzene, 1,3-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	25.68 ng	2064330	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
2	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	64
3	1-Decene, 5-methyl-	154	C11H22	054244-79-0	60
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	46
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	45





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

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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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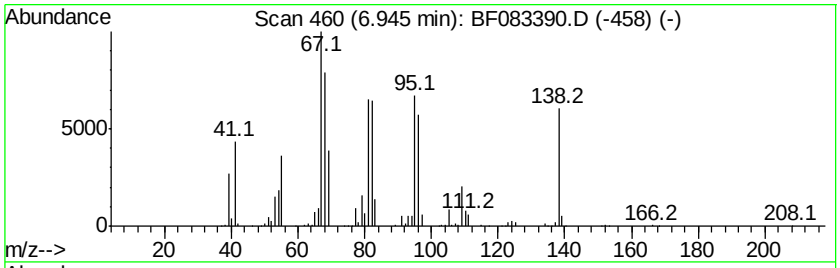
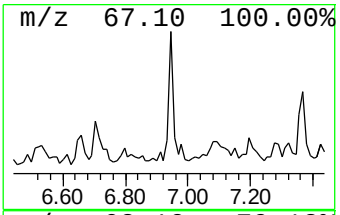
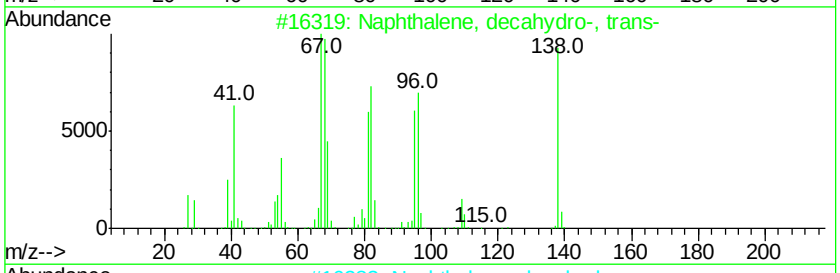
Peak Number 13 Naphthalene, decahydro-, tr... Concentration Rank 6

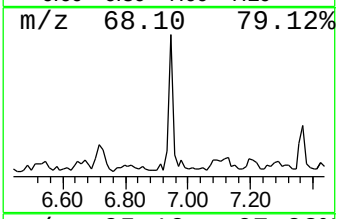
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	28.54 ng	2293430	1,4-Dichlorobenzene-d4	6.54

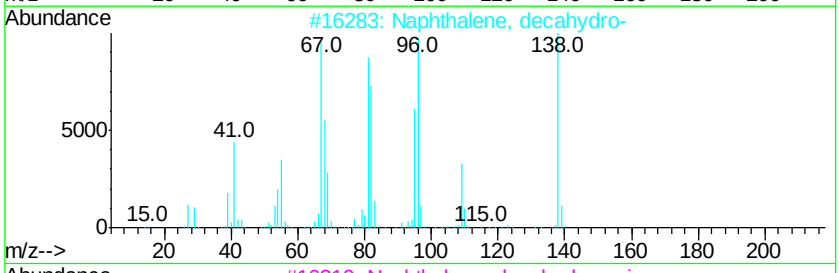
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	90
4	Spiro[4.5]decane	138	C10H18	000176-63-6	70
5	Cyclodecene	138	C10H18	003618-12-0	68

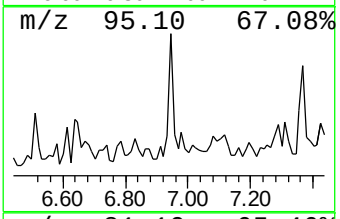


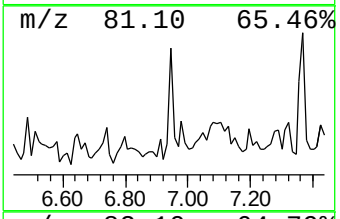


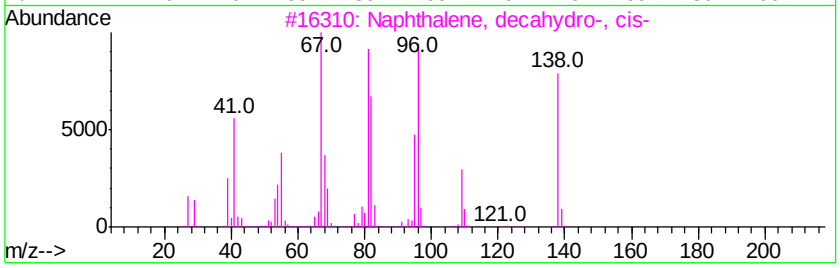


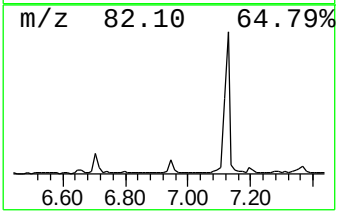












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Operator : UM/IZ
Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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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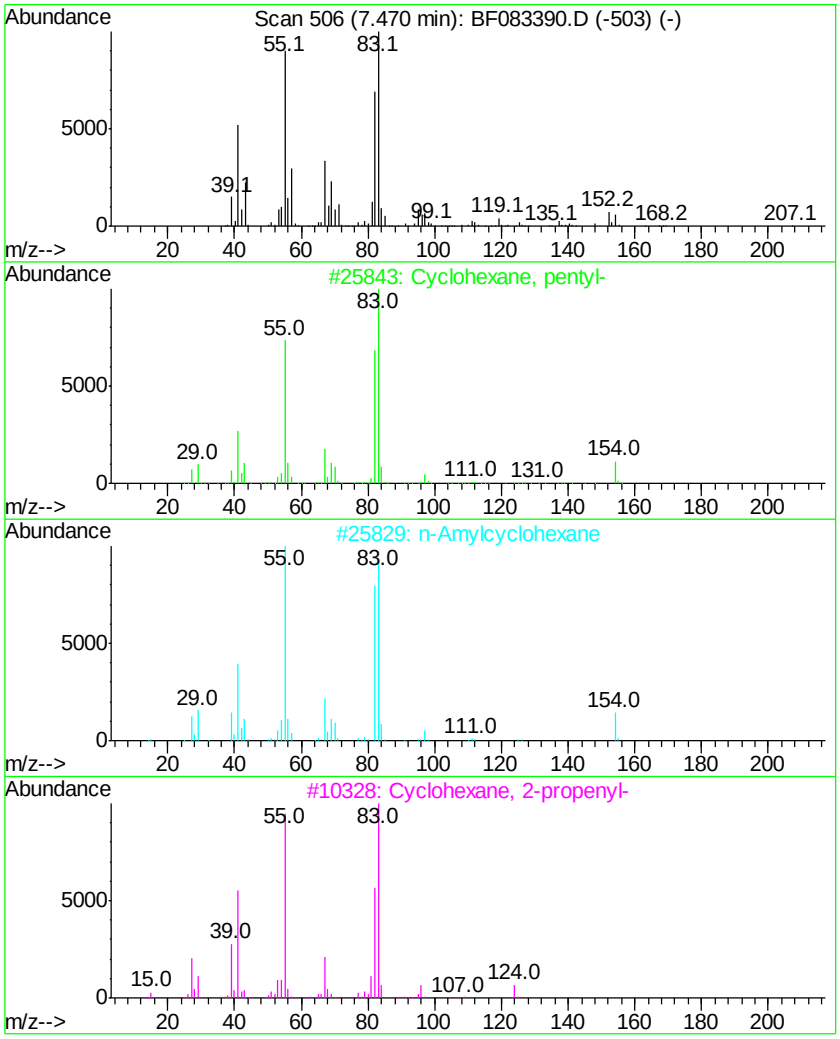
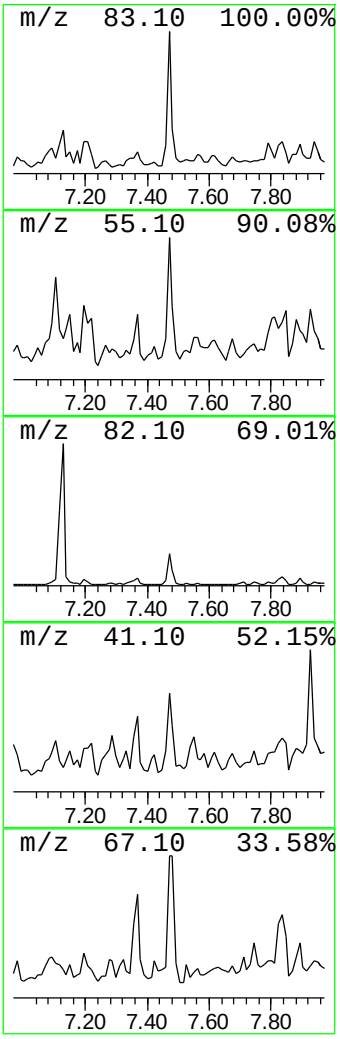
Peak Number 14 Cyclohexane, pentyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	14.87 ng	3423870	Naphthalene-d8	7.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	87
2	n-Amylcyclohexane	154	C11H22	029949-27-7	83
3	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	78
4	Cyclohexane, (1-ethylpropyl)-	154	C11H22	026321-98-2	78
5	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	78





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

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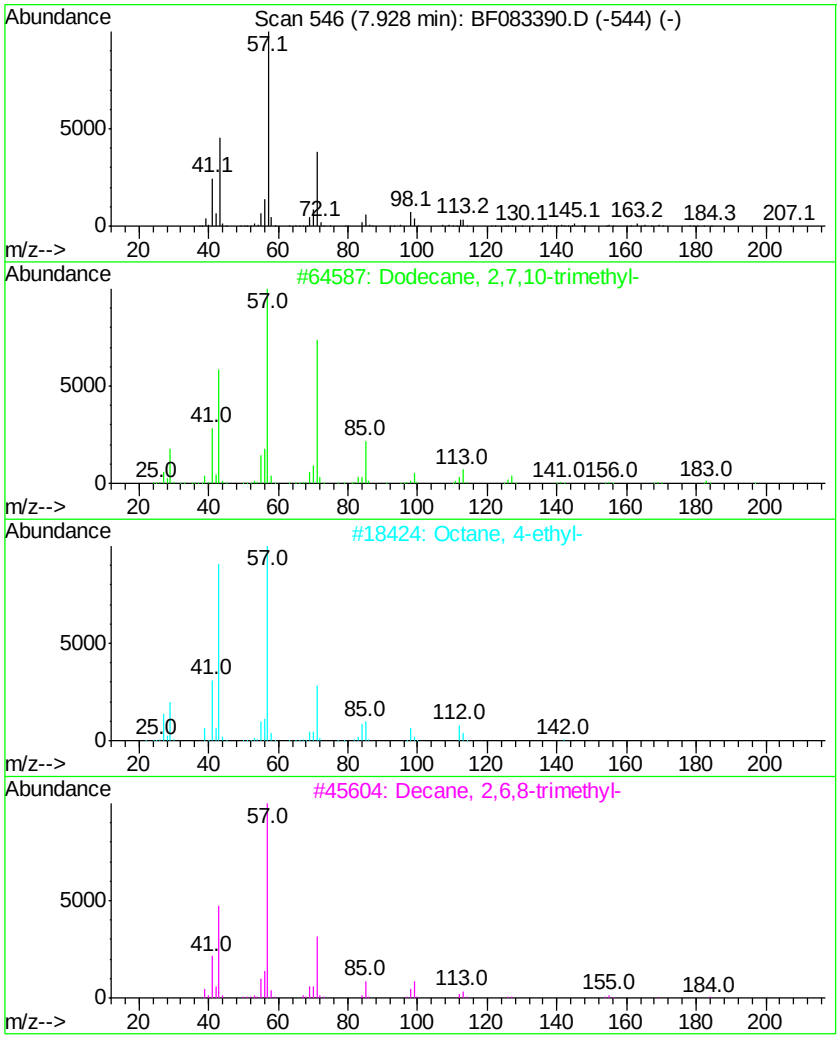
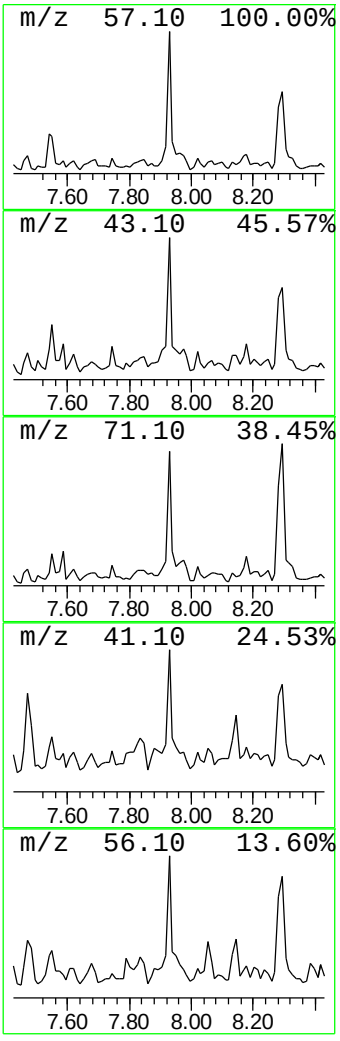
Peak Number 15 Dodecane, 2,7,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	20.83 ng	4795860	Naphthalene-d8	7.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
2	Octane, 4-ethyl-	142	C10H22	015869-86-0	64
3	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	64
4	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	59
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59





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Instrument : BNA_F
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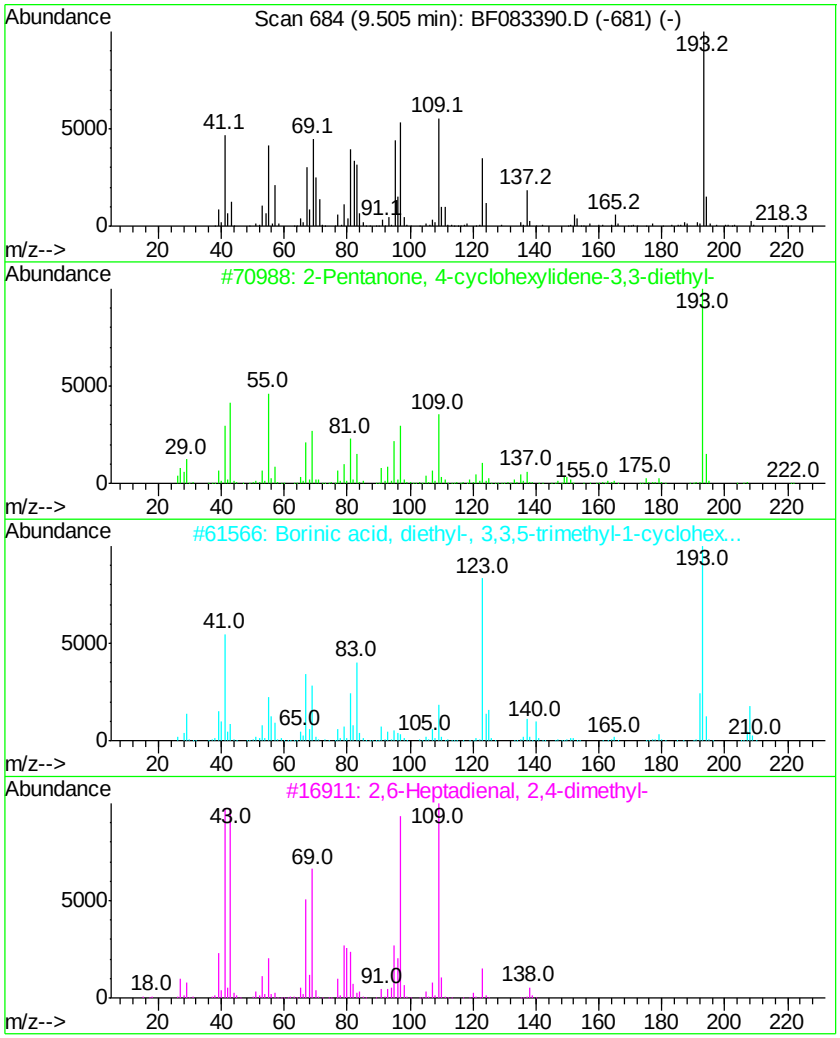
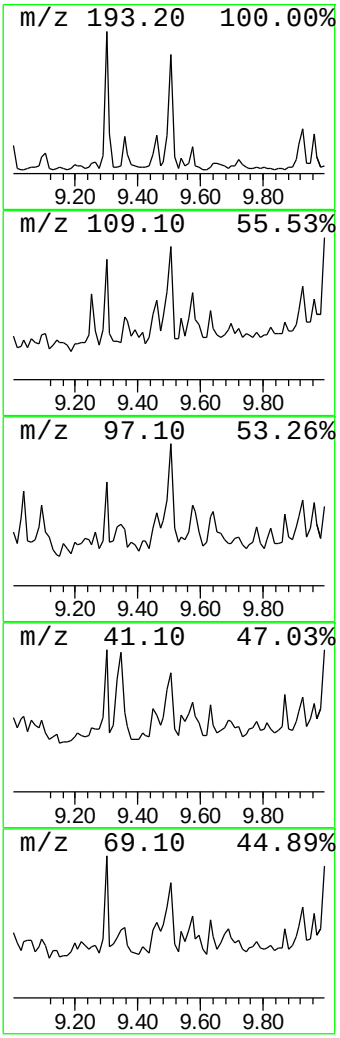
Peak Number 17 2-Pentanone, 4-cyclohexylid... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	15.69 ng	1960260	Acenaphthene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	56
2	Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	32
3	2,6-Heptadienal, 2,4-dimethyl-	138	C9H14O	085136-08-9	25
4	6-Methylphenanthridine	193	C14H11N	003955-65-5	22
5	3-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	040702-26-9	22





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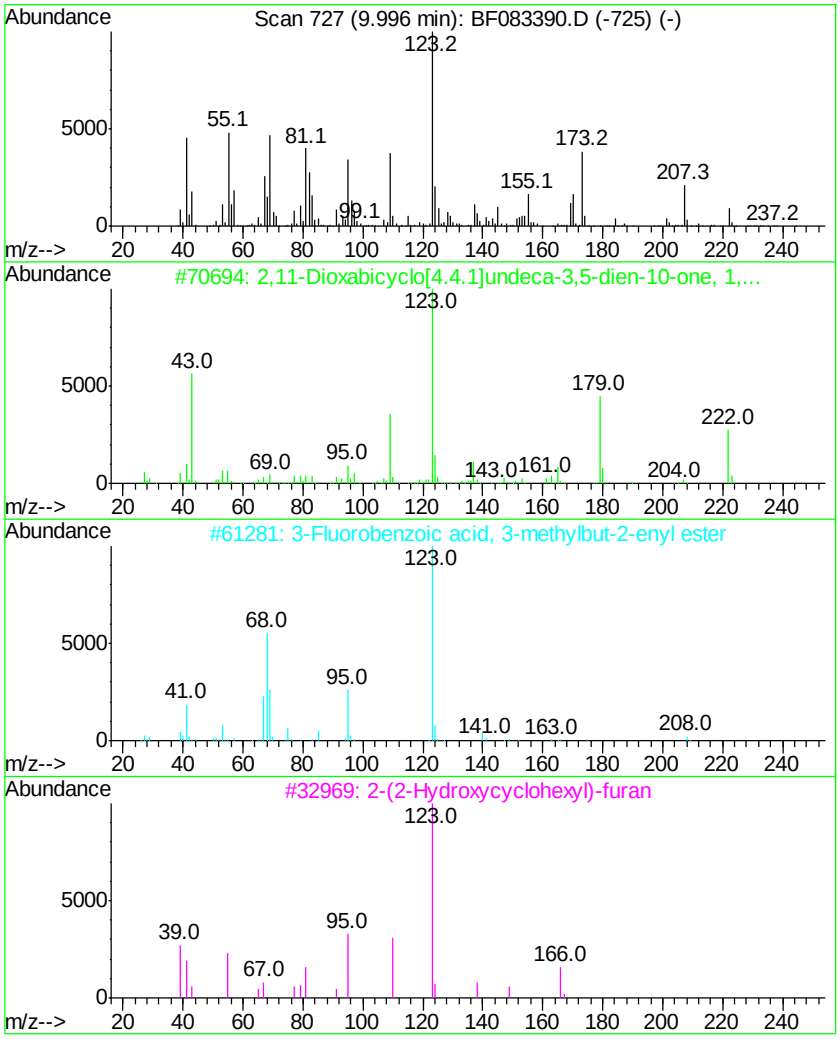
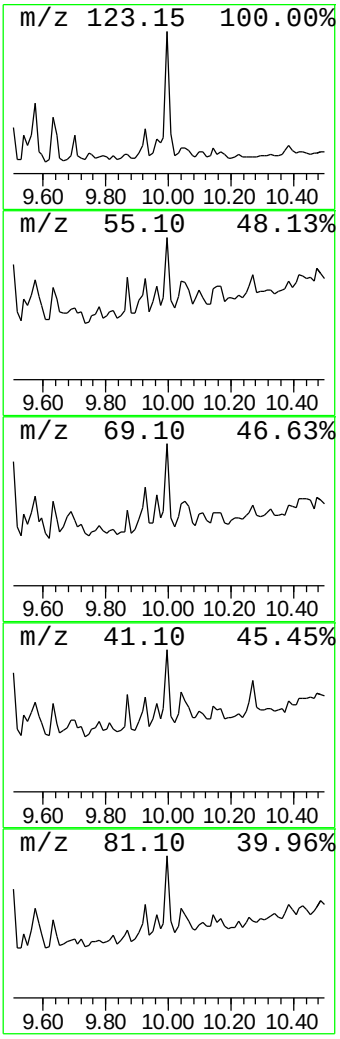
Peak Number 18 unknown10.00 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	15.40 ng	1923310	Acenaphthene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,11-Dioxabicyclo[4.4.1]undeca-3...	222	C13H18O3	070412-52-1	43
2	3-Fluorobenzoic acid, 3-methylbu...	208	C12H13FO2	154559-38-3	35
3	2-(2-Hydroxycyclohexyl)-furan	166	C10H14O2	1000145-92-8	35
4	4-Fluorobenzoic acid, 2,2-dimeth...	210	C12H15FO2	069912-03-4	35
5	Bicyclo[2.2.2]octane, 1-methyl-4...	202	C10H18O2S	069855-48-7	27





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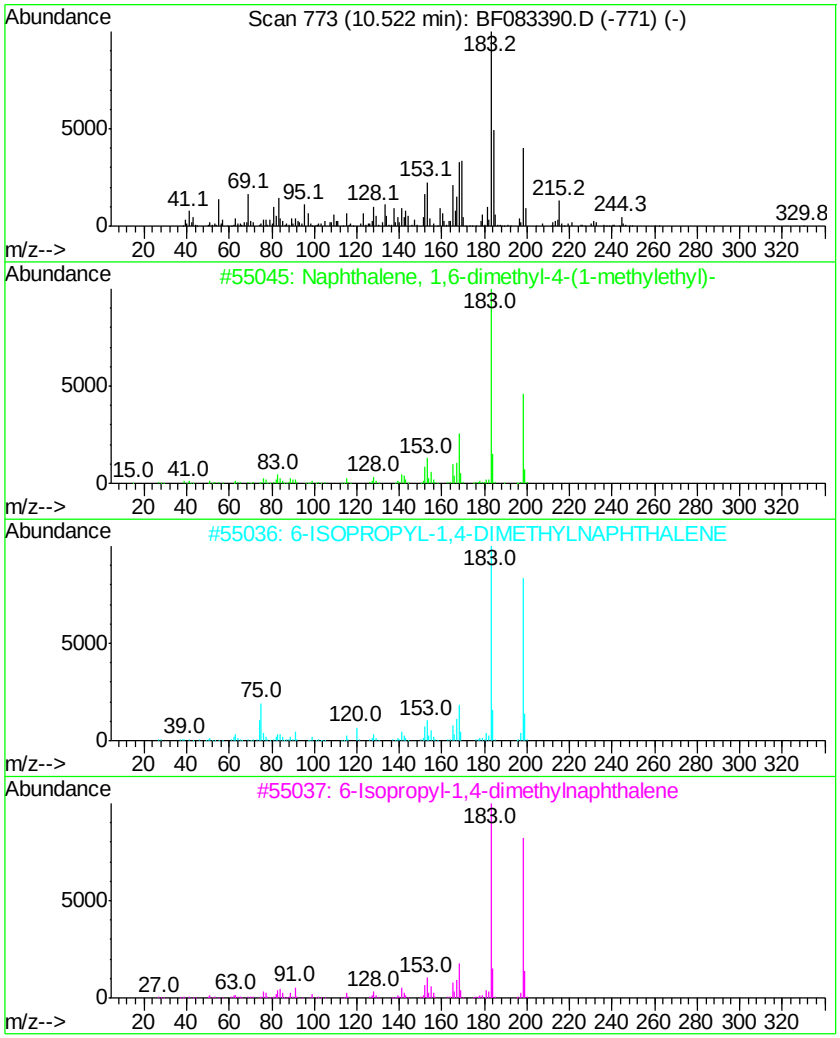
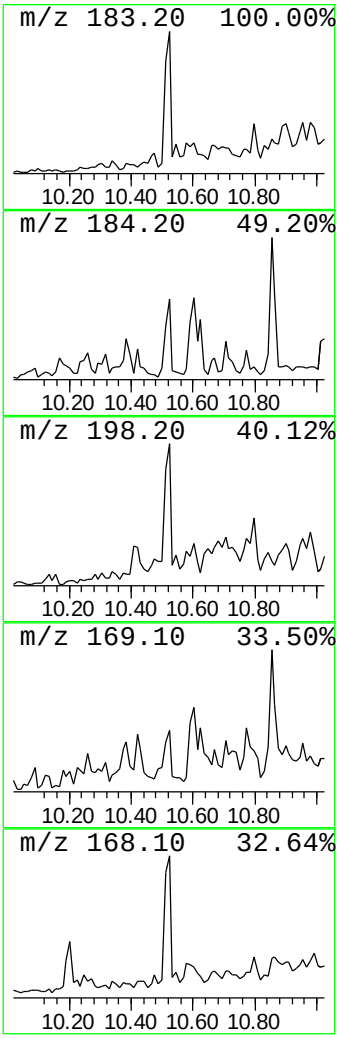
Peak Number 19 Naphthalene, 1,6-dimethyl-4... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	18.87 ng	1026240	Phenanthrene-d10	11.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-4-(1-m...	198	C15H18	000483-78-3	70
2	6-ISOPROPYL-1,4-DIMETHYLNAPHTHALENE	198	C15H18	1000243-31-9	70
3	6-Isopropyl-1,4-dimethylnaphthalene	198	C15H18	000489-77-0	70
4	Azulene, 1,4-dimethyl-7-(1-methy...	198	C15H18	000489-84-9	68
5	Cyclopropane, 1,1,2,2-tetramethy...	198	C15H18	1000264-08-5	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083390.D
Acq On : 1 Dec 2015 23:59
Operator : UM/IZ
Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

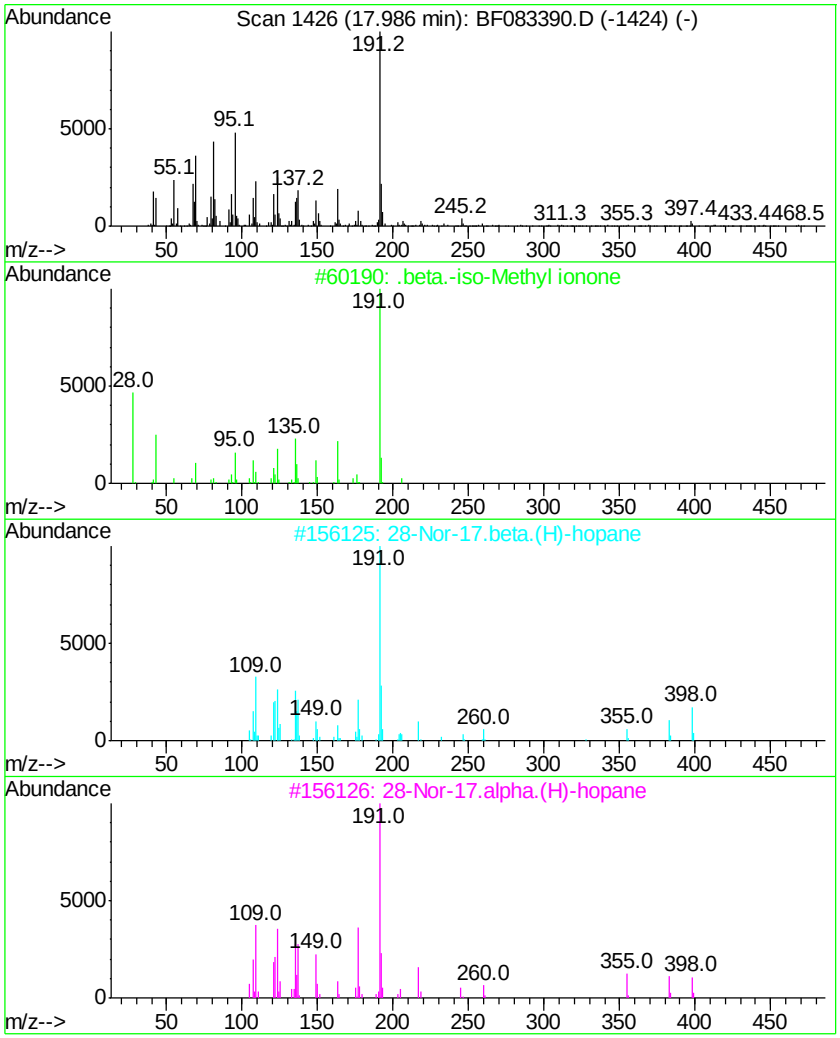
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

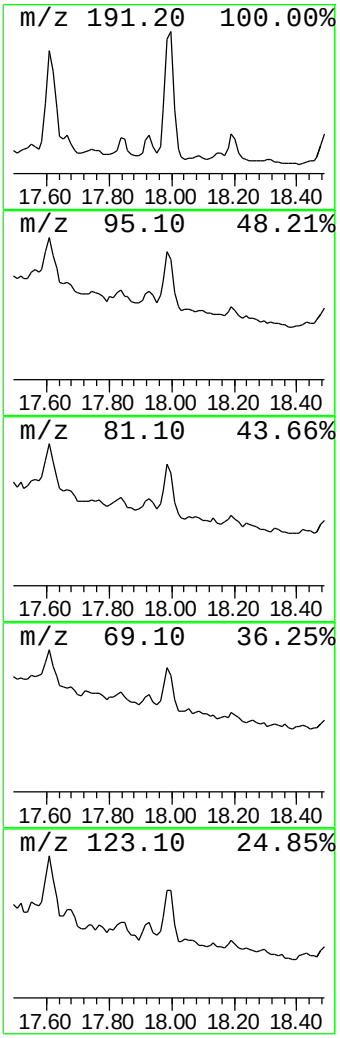
****

Peak Number 20 .beta.-iso-Methyl ionone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	20.00 ng	2335660	Perylene-d12	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	64
2	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	64
3	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	56
4	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	49
5	4-(3H-Imidazo[4,5-b]pyridin-2-yl...	342	C15H18N8S	1000276-08-2	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120115\
Data File : BF083390.D
Acq On : 1 Dec 2015 23:59
Operator : UM/IZ
Sample : G4527-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP3(7-9)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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
2-Pentanone, 4-hy...	4.66	56.9	ng	4575270	1	6.54	1607450	20.0
Cyclohexane, 1-et...	5.53	20.2	ng	1621120	1	6.54	1607450	20.0
Methallylcyclohexane	5.68	18.7	ng	1502090	1	6.54	1607450	20.0
Octane, 3,6-dimet...	5.79	35.4	ng	2844380	1	6.54	1607450	20.0
Heptane, 3-ethyl-...	5.85	18.8	ng	1513230	1	6.54	1607450	20.0
Undecane, 5,6-dim...	5.98	24.6	ng	1981400	1	6.54	1607450	20.0
Nonane, 4-methyl-	6.05	33.2	ng	2668810	1	6.54	1607450	20.0
Nonane, 3-methyl-	6.14	16.3	ng	1307320	1	6.54	1607450	20.0
Cyclohexane, 1-me...	6.29	18.2	ng	1459410	1	6.54	1607450	20.0
Benzene, 1,3-diet...	6.82	25.7	ng	2064330	1	6.54	1607450	20.0
Naphthalene, deca...	6.94	28.5	ng	2293430	1	6.54	1607450	20.0
Cyclohexane, pentyl-	7.47	14.9	ng	3423870	2	7.84	4604660	20.0
Dodecane, 2,7,10-...	7.93	20.8	ng	4795860	2	7.84	4604660	20.0
2-Pentanone, 4-cy...	9.50	15.7	ng	1960260	3	9.58	2498500	20.0
unknown10.00	10.00	15.4	ng	1923310	3	9.58	2498500	20.0
Naphthalene, 1,6-...	10.52	18.9	ng	1026240	4	11.14	1087720	20.0
.beta.-iso-Methyl...	17.99	20.0	ng	2335660	6	16.90	2335660	20.0