LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089274.D
Acq On : 25 Jul 2016 12:43
Operator : UM/SJ
Sample : H4129-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-09-5.0-7.0

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-BF072016.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	1.701	9	10	57	rVB	1325845	2885973	60.51%	2.452%
2	4.581	260	262	266	rVB	90984	129162	2.71%	0.110%
3	4.890	286	289	291	rBV	80943	129703	2.72%	0.110%
4	5.141	309	311	314	rBV	1164301	1405030	29.46%	1.194%
5	5.370	329	331	335	rVB3	72343	122805	2.57%	0.104%
6	5.542	342	346	348	rBV2	133098	182345	3.82%	0.155%
7	5.610	348	352	356	rBV4	60411	186073	3.90%	0.158%
8	5.690	356	359	361	rBV3	164930	308858	6.48%	0.262%
9	5.747	361	364	366	rBV2	83593	131273	2.75%	0.112%
10	5.793	366	368	371	rBV2	448444	722844	15.16%	0.614%
11	5.850	371	373	377	rBV	184634	332281	6.97%	0.282%
12	5.907	377	378	382	rVB3	83511	131035	2.75%	0.111%
13	5.999	382	386	389	rBV3	237651	477736	10.02%	0.406%
14	6.067	389	392	395	rBV3	468857	698717	14.65%	0.594%
15	6.159	398	400	402	rBV2	94014	161094	3.38%	0.137%
16	6.227	402	406	408	rBV	1338286	1834696	38.47%	1.559%
17	6.296	410	412	413	rBV	265048	356300	7.47%	0.303%
18	6.330	413	415	418	rVV	1358731	1938641	40.65%	1.647%
19	6.422	420	423	424	rBV2	132900	187662	3.93%	0.159%
20	6.524	429	432	433	rBV2	206545	429139	9.00%	0.365%
21	6.570	433	436	437	rBV	328950	505137	10.59%	0.429%
22	6.593	437	438	440	rVB	624699	717869	15.05%	0.610%
23	6.639	440	442	446	rBV3	183186	532738	11.17%	0.453%
24	6.719	446	449	454	rVB2	1726290	2923572	61.30%	2.484%
25	6.833	454	459	460	rBV3	494765	1153142	24.18%	0.980%
26	6.856	460	461	463	rVB2	301980	413037	8.66%	0.351%
27	6.902	463	465	467	rBV3	188489	463145	9.71%	0.394%
28	6.959	468	470	471	rVB	459821	390879	8.20%	0.332%
29	6.993	471	473	474	rBV	266497	218212	4.57%	0.185%
30	7.119	477	484	491	rBV3	1323193	4769666	100.00%	4.053%
31	7.222	491	493	496	rVB3	506458	903258	18.94%	0.767%
32	7.302	496	500	502	rBV2	557120	1338102	28.05%	1.137%
33	7.347	502	504	505	rBV2	489430	622183	13.04%	0.529%
34	7.382	505	507	509	rVB	1191753	1279917	26.83%	1.088%

LSC Area Percent Report

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Acq On : 25 Jul 2016 12:43
Operator : UM/SJ
Sample : H4129-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-09-5.0-7.0

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-BF072016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.439	509	512	513	rBV	396496	499554	10.47%	0.424%
36	7.485	513	516	518	rBV3	990584	1994046	41.81%	1.694%
37	7.519	518	519	521	rVB2	260014	302118	6.33%	0.257%
38	7.553	521	522	524	rBV2	127609	172626	3.62%	0.147%
39	7.599	524	526	531	rVB3	932350	2051348	43.01%	1.743%
40	7.690	531	534	536	rBV3	576450	857298	17.97%	0.728%
41	7.759	536	540	542	rBV2	489209	1209594	25.36%	1.028%
42	7.850	542	548	550	rBV4	1231848	2762169	57.91%	2.347%
43	7.907	550	553	554	rBV3	577003	1117378	23.43%	0.949%
44	7.953	554	557	559	rVB2	1664638	1689217	35.42%	1.435%
45	7.999	560	561	562	rVB	560071	383929	8.05%	0.326%
46	8.079	566	568	570	rVB2	815064	914037	19.16%	0.777%
47	8.159	570	575	577	rBV5	955041	2653102	55.62%	2.254%
48	8.205	577	579	580	rBV	290384	416649	8.74%	0.354%
49	8.250	580	583	586	rVB4	459045	955731	20.04%	0.812%
50	8.319	586	589	592	rBV2	2409600	4047980	84.87%	3.439%
51	8.410	595	597	599	rBV3	557851	787895	16.52%	0.669%
52	8.525	605	607	609	rBV3	378049	611620	12.82%	0.520%
53	8.570	609	611	613	rVB2	1166666	2047288	42.92%	1.740%
54	8.616	613	615	616	rBV2	472273	951528	19.95%	0.808%
55	8.673	618	620	622	rVB	1273685	1754042	36.77%	1.490%
56	8.788	628	630	631	rVB	798742	793620	16.64%	0.674%
57	8.856	634	636	637	rVB2	526133	662890	13.90%	0.563%
58	8.913	637	641	642	rBV2	2539751	3857397	80.87%	3.278%
59	8.948	642	644	647	rVB	1135203	1556679	32.64%	1.323%
60	9.028	649	651	653	rBV2	492199	917938	19.25%	0.780%
61	9.062	653	654	655	rBV	507192	400676	8.40%	0.340%
62	9.096	655	657	658	rBV2	416889	543899	11.40%	0.462%
63	9.210	664	667	670	rBV2	1639968	3420643	71.72%	2.906%
64	9.290	670	674	675	rVV	2029258	3644953	76.42%	3.097%
65	9.370	679	681	682	rVV2	2295340	2776814	58.22%	2.359%
66	9.393	682	683	686	rVB2	819315	1411441	29.59%	1.199%
67	9.473	688	690	693	rBV4	603349	1019200	21.37%	0.866%
68	9.531	693	695	697	rVB3	978011	1133936	23.77%	0.963%
69	9.611	699	702	704	rBV3	1099051	1729452	36.26%	1.469%
70	9.725	710	712	715	rBV3	1031367	1986322	41.64%	1.688%
71	9.828	718	721	723	rVV3	1576592	2665201	55.88%	2.265%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H4129-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-09-5.0-7.0

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
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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.862	723	724	726	rVV	825341	1175868	24.65%	0.999%
73	9.896	726	727	729	rVB2	1308492	967953	20.29%	0.822%
74	9.942	729	731	734	rBV3	1123872	2237493	46.91%	1.901%
75	10.022	736	738	742	rVV3	1000652	2048422	42.95%	1.740%
76	10.113	744	746	748	rVV3	691339	1129212	23.67%	0.959%
77	10.159	748	750	751	rVV2	633868	671155	14.07%	0.570%
78	10.182	751	752	754	rVV2	683708	1033793	21.67%	0.878%
79	10.228	754	756	759	rVV3	638786	967419	20.28%	0.822%
80	10.296	759	762	763	rVV2	1868009	2906747	60.94%	2.470%
81	10.331	763	765	767	rVB3	609018	962977	20.19%	0.818%
82	10.399	769	771	773	rVB3	781599	1216117	25.50%	1.033%
83	10.445	773	775	778	rBV3	335737	561894	11.78%	0.477%
84	10.559	780	785	787	rVV2	2462148	3442960	72.18%	2.925%
85	10.605	787	789	790	rVB	492476	482477	10.12%	0.410%
86	10.731	799	800	802	rBV	582208	707297	14.83%	0.601%
87	11.016	823	825	828	rVB	2288034	2599473	54.50%	2.209%
88	11.119	832	834	840	rVB3	529757	1044336	21.90%	0.887%
89	11.359	853	855	857	rVB2	600695	753464	15.80%	0.640%
90	11.416	858	860	861	rVV	489851	533649	11.19%	0.453%
91	11.496	865	867	870	rVB3	439078	703805	14.76%	0.598%
92	11.588	873	875	880	rVB2	535413	1308066	27.42%	1.111%
93	11.691	882	884	889	rVB3	490047	1190722	24.96%	1.012%
94	11.771	889	891	893	rVB2	264831	284546	5.97%	0.242%
95	11.816	893	895	897	rVB	274783	287359	6.02%	0.244%
96	12.125	920	922	924	rBV2	365790	473537	9.93%	0.402%
97	12.285	934	936	939	rBV4	122443	141771	2.97%	0.120%
98	12.651	966	968	971	rVB	1137271	1453674	30.48%	1.235%
99	13.679	1056	1058	1071	rVB	336982	459880	9.64%	0.391%
100	15.017	1173	1175	1178	rBV	227022	263787	5.53%	0.224%

Sum of corrected areas: 117692287

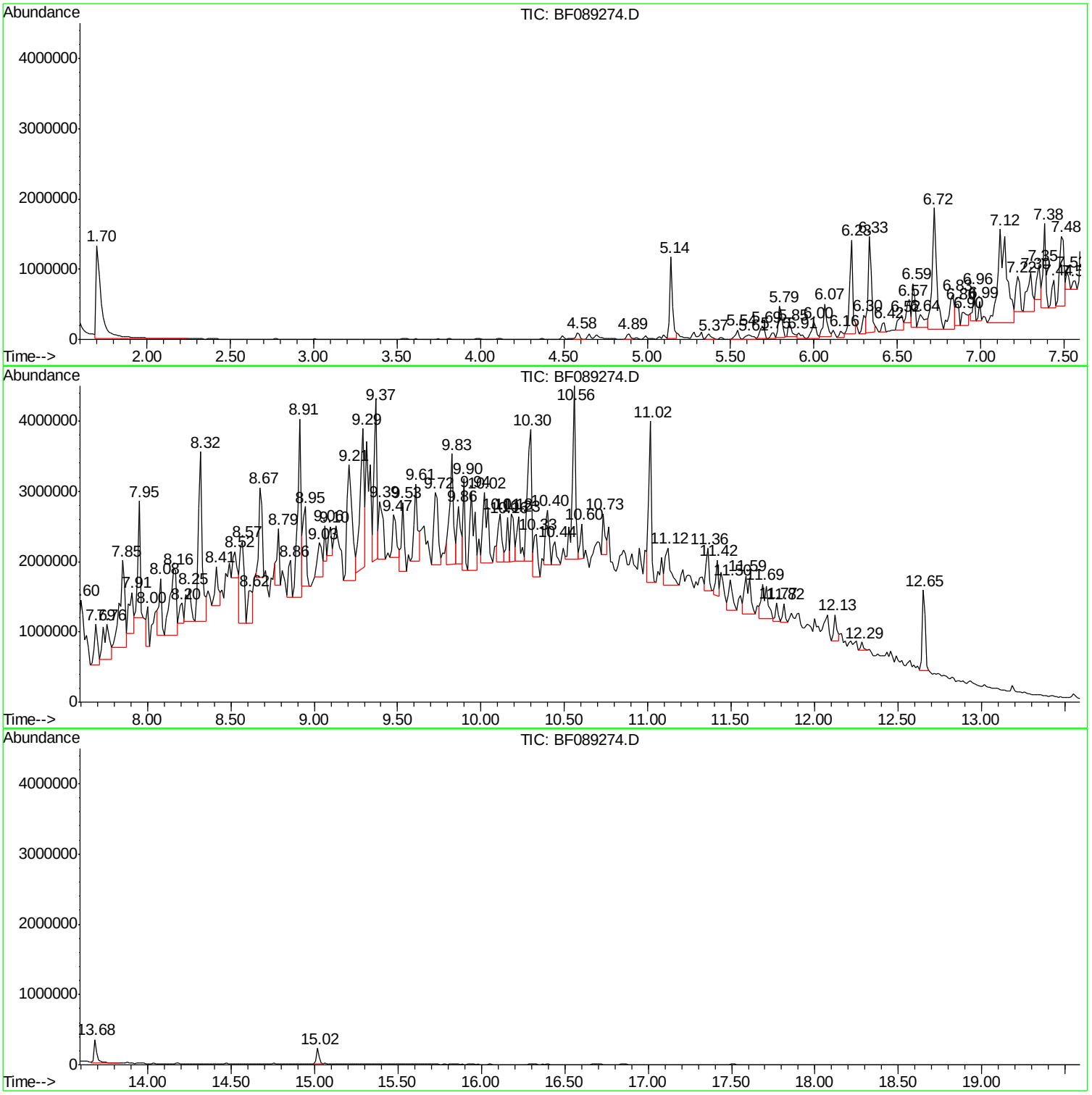
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089274.D
Acq On : 25 Jul 2016 12:43
Operator : UM/SJ
Sample : H4129-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-09-5.0-7.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089274.D
Acq On : 25 Jul 2016 12:43
Operator : UM/SJ
Sample : H4129-05
Misc :
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Instrument : BNA_F
ClientSampleId : KSB-09-5.0-7.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

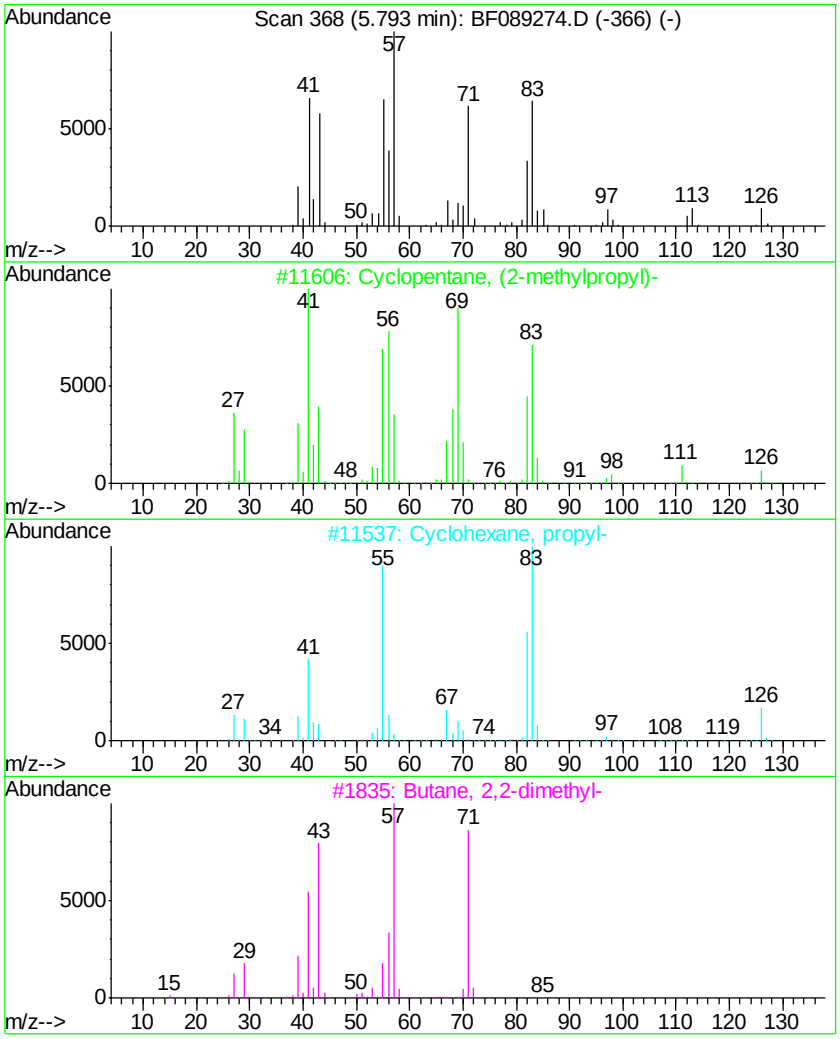
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

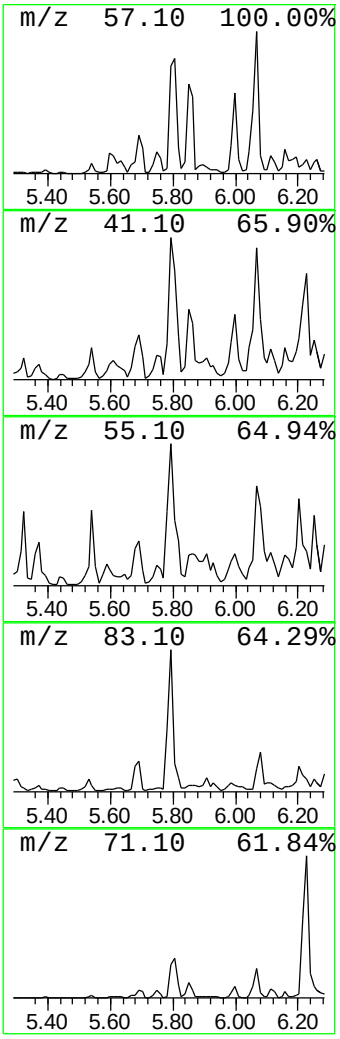
****

Peak Number 2 unknown5.79 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.79	28.62 ng	722844	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	49
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	38
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	38
4	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	38
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089274.D
Acq On : 25 Jul 2016 12:43
Operator : UM/SJ
Sample : H4129-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-09-5.0-7.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

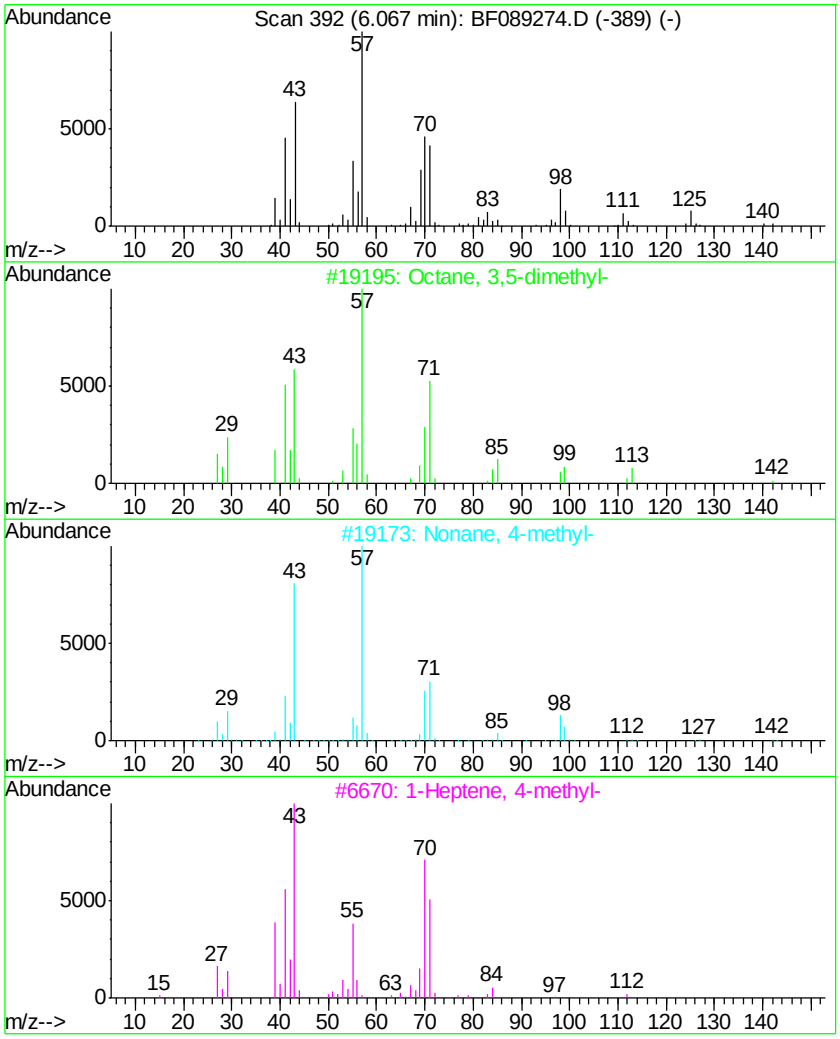
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

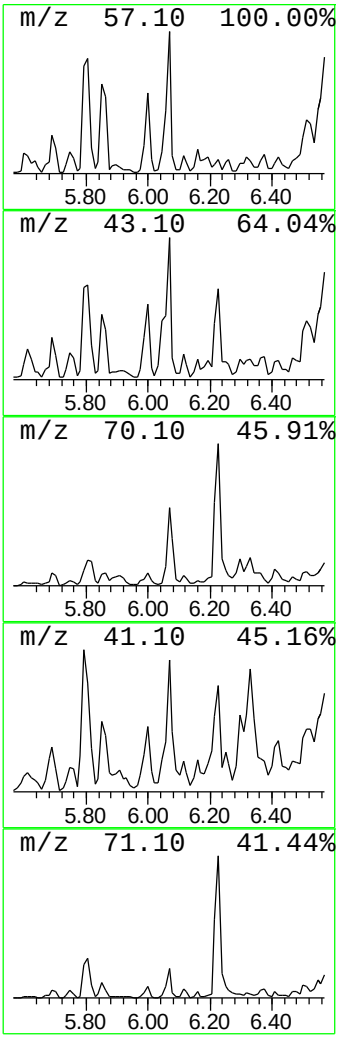
****

Peak Number 3 Octane, 3,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.07	27.66 ng	698717	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	58
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	58
3	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	52
4	Nonane, 2-methyl-	142	C10H22	000871-83-0	50
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50





Library Search Compound Report

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Sample : H4129-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-09-5.0-7.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

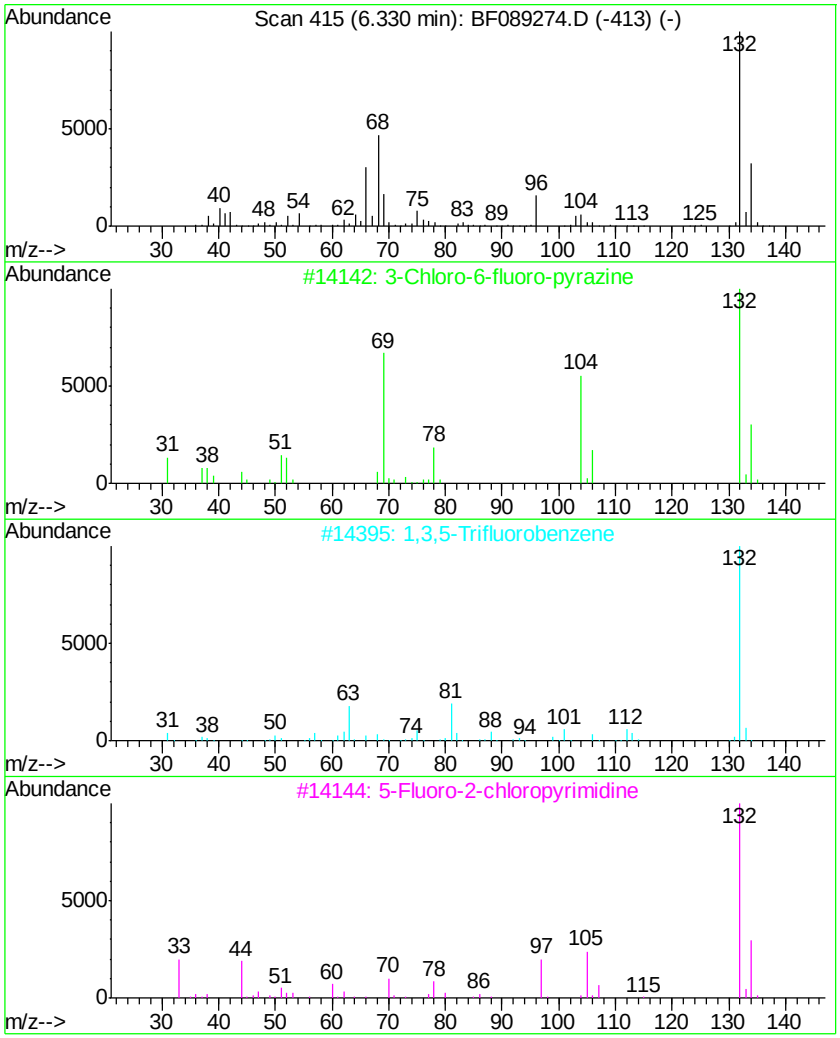
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

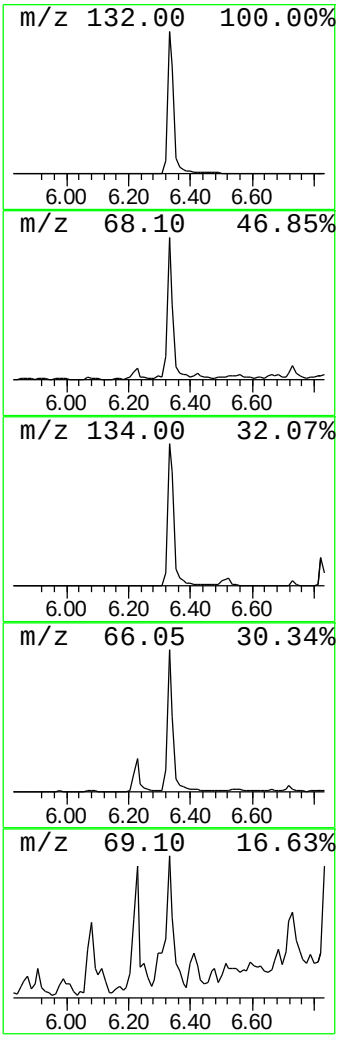
****

Peak Number 4 unknown6.33 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	76.76 ng	1938640	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	14
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	N-(-3,4-Methylenedioxyphenylisop...	267	C17H17NO2	1000378-96-6	10
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089274.D
Acq On : 25 Jul 2016 12:43
Operator : UM/SJ
Sample : H4129-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-09-5.0-7.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

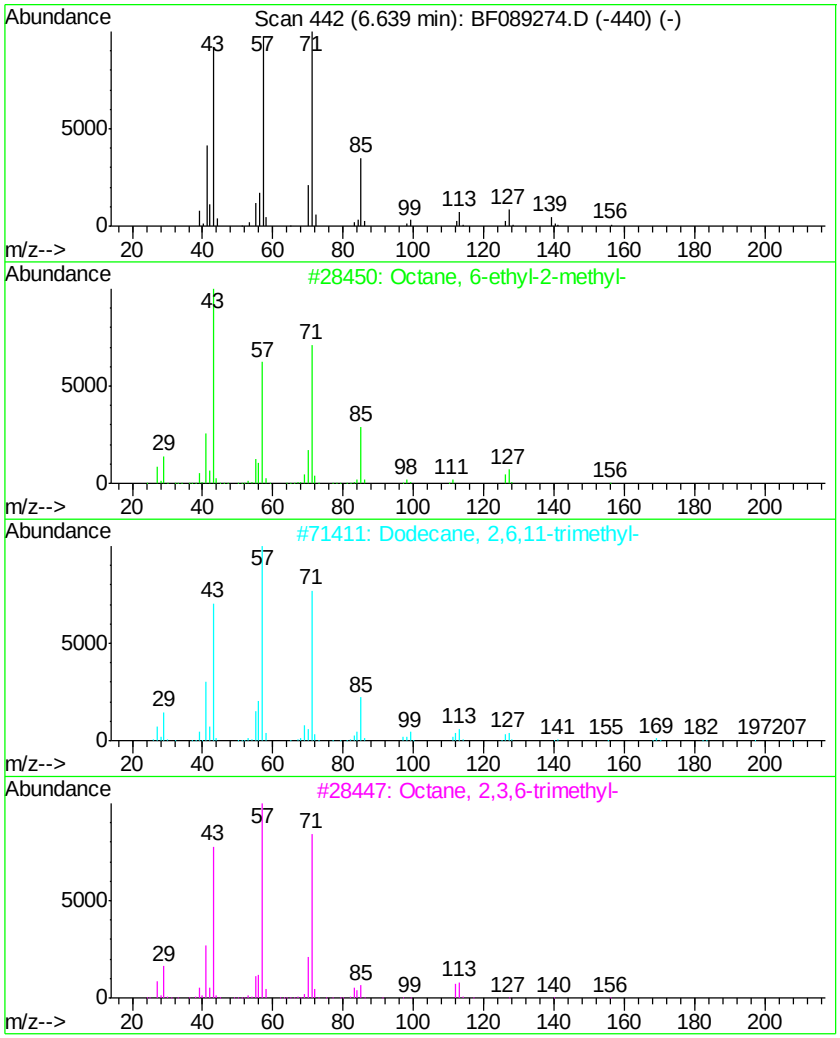
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

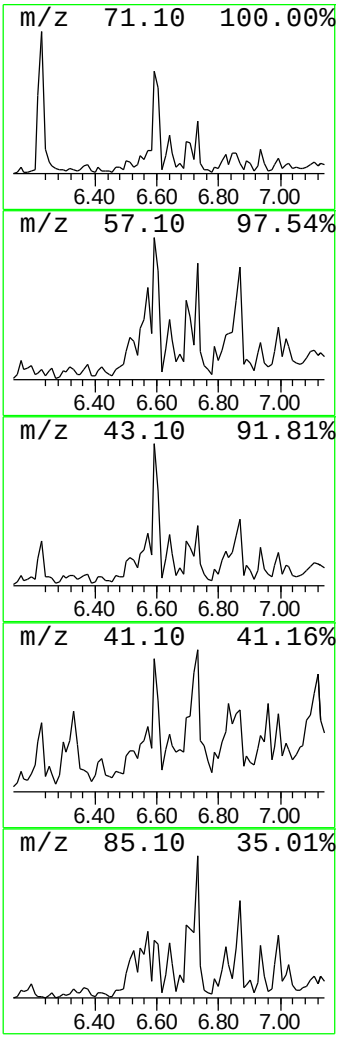
****

Peak Number 5 Octane, 6-ethyl-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	21.09 ng	532738	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	83
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
3	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	72
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	64
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089274.D
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Operator : UM/SJ
Sample : H4129-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-09-5.0-7.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

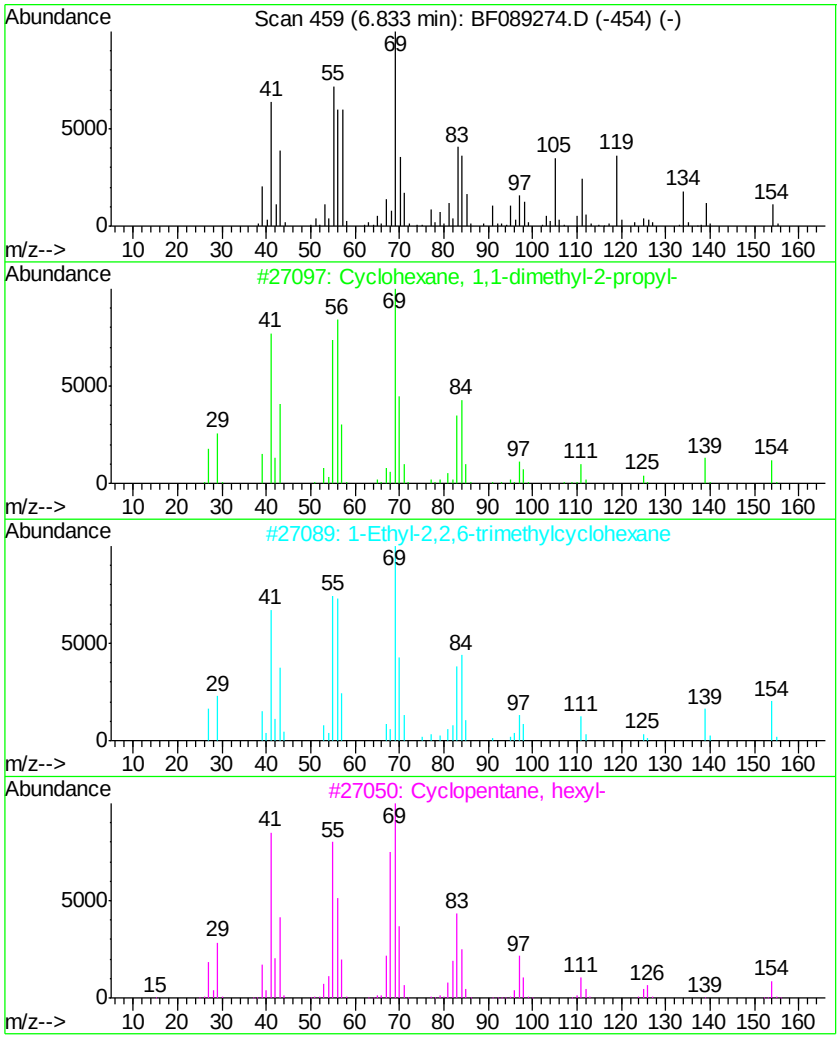
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

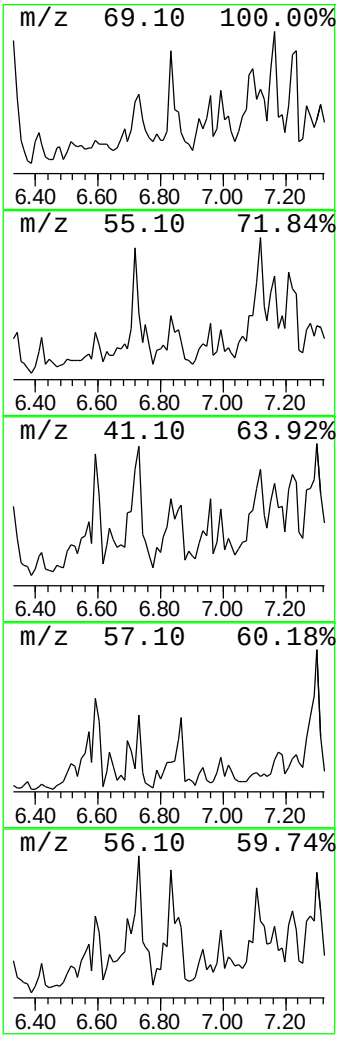
****

Peak Number 7 Cyclohexane, 1,1-dimethyl-2... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	45.66 ng	1153140	1,4-Dichlorobenzene-d4	6.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	93
2	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	89
3	Cyclopentane, hexyl-	154	C11H22	004457-00-5	64
4	5-Undecene	154	C11H22	004941-53-1	64
5	Cyclobutanone, 2-(1,1-dimethylet...	126	C8H14O	004579-31-1	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089274.D
Acq On : 25 Jul 2016 12:43
Operator : UM/SJ
Sample : H4129-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId : KSB-09-5.0-7.0

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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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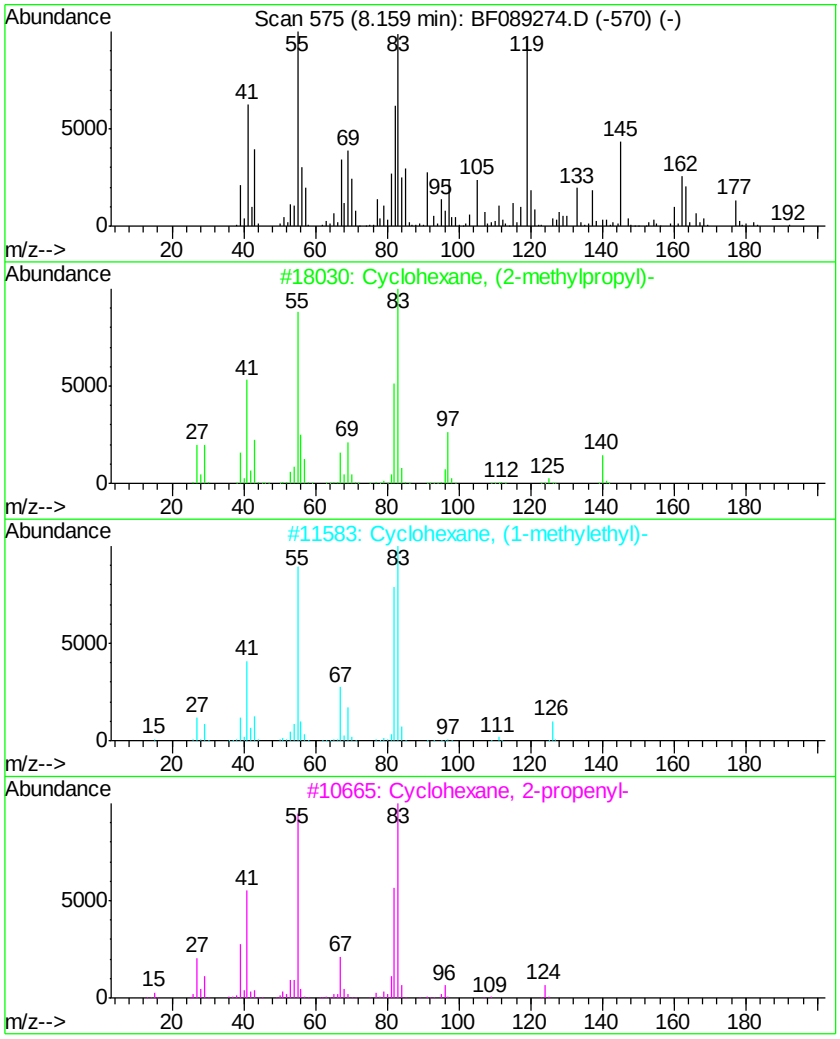
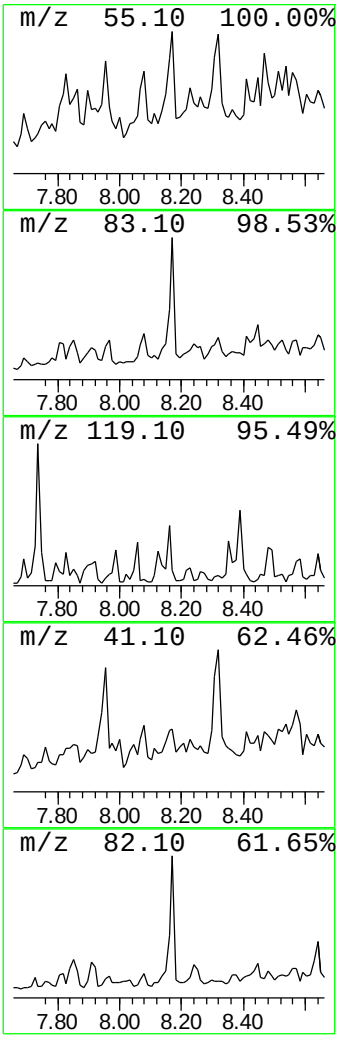
Peak Number 8 unknown8.16 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	19.21 ng	2653100	Naphthalene-d8	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	27
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	25
3	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	22
4	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	22
5	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	22





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Operator : UM/SJ
Sample : H4129-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-09-5.0-7.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.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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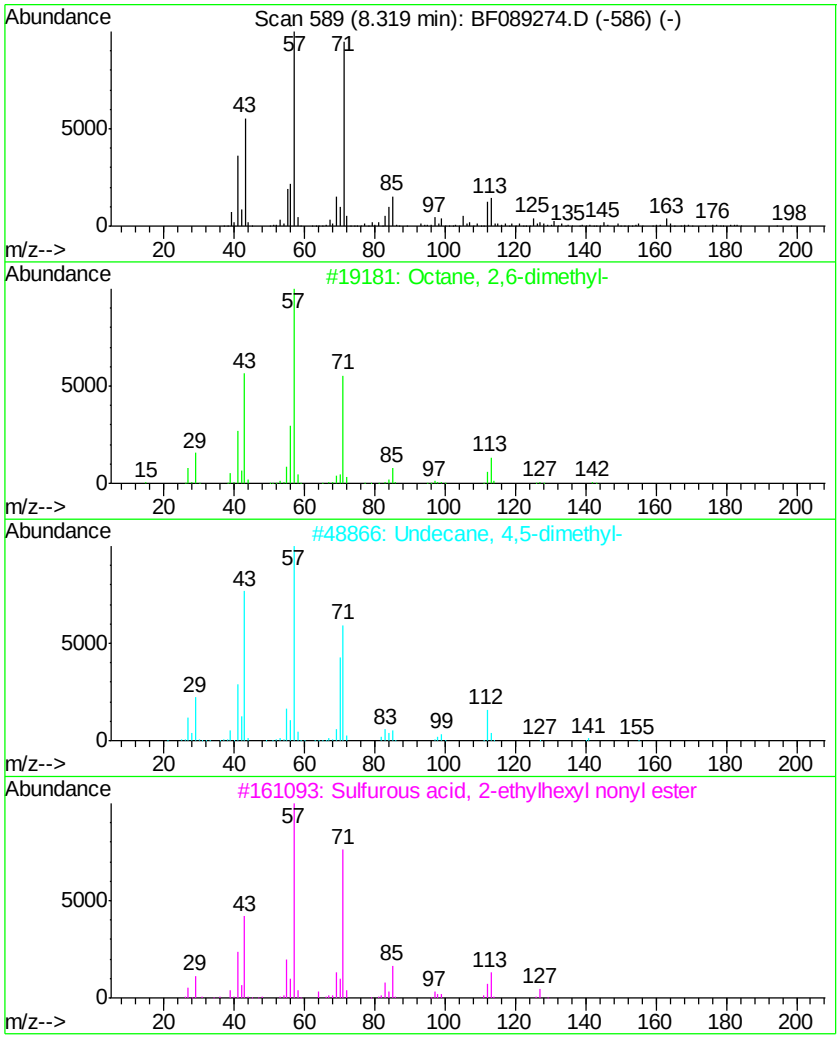
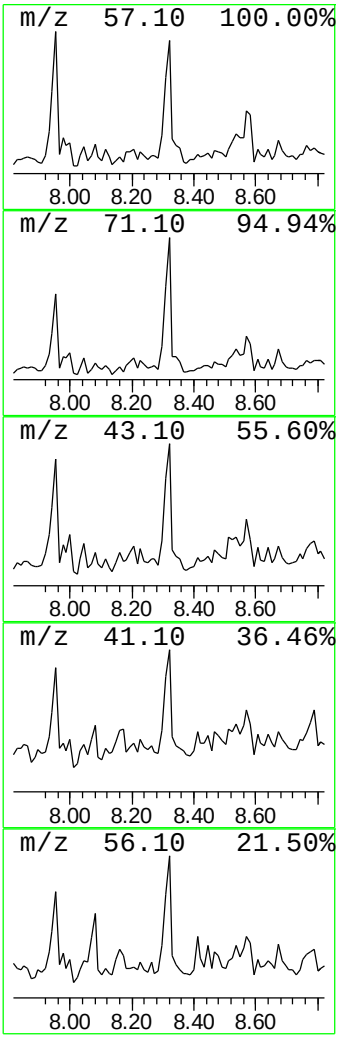
Peak Number 9 Octane, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	29.31 ng	4047980	Naphthalene-d8	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	59
3	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	59
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	47
5	Decane, 3,4-dimethyl-	170	C12H26	017312-45-7	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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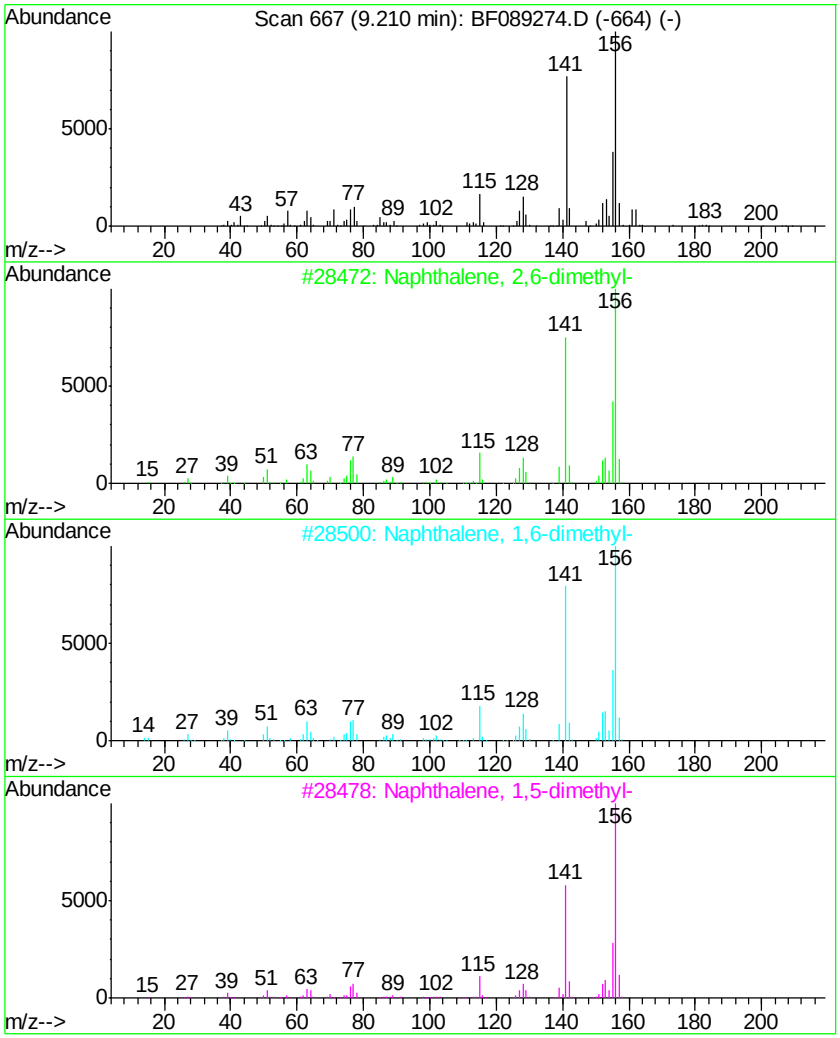
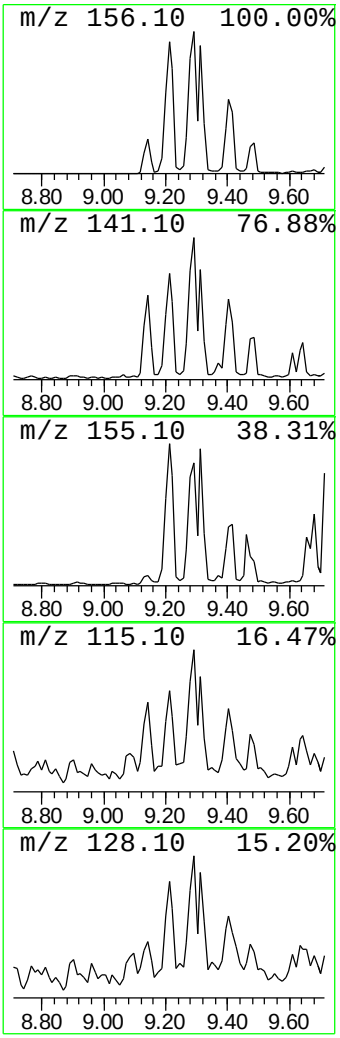
Peak Number 10 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	39.56 ng	3420640	Acenaphthene-d10	9.61

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, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Instrument : BNA_F
ClientSampleId : KSB-09-5.0-7.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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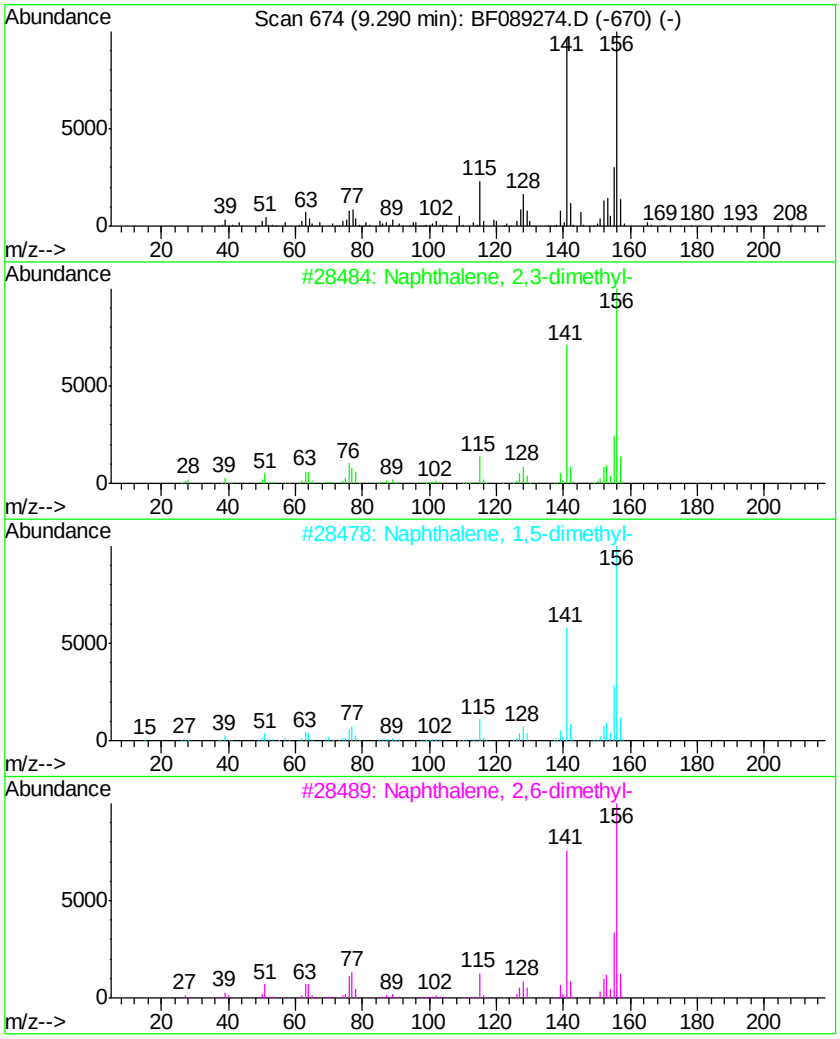
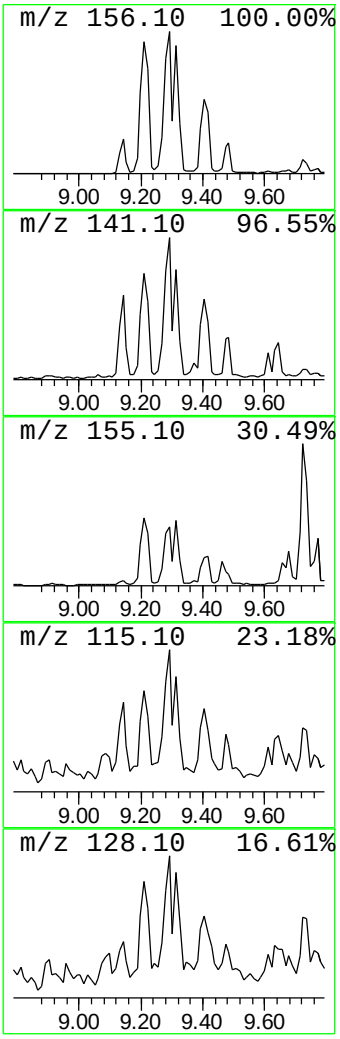
Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	42.15 ng	3644950	Acenaphthene-d10	9.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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ClientSampleId : KSB-09-5.0-7.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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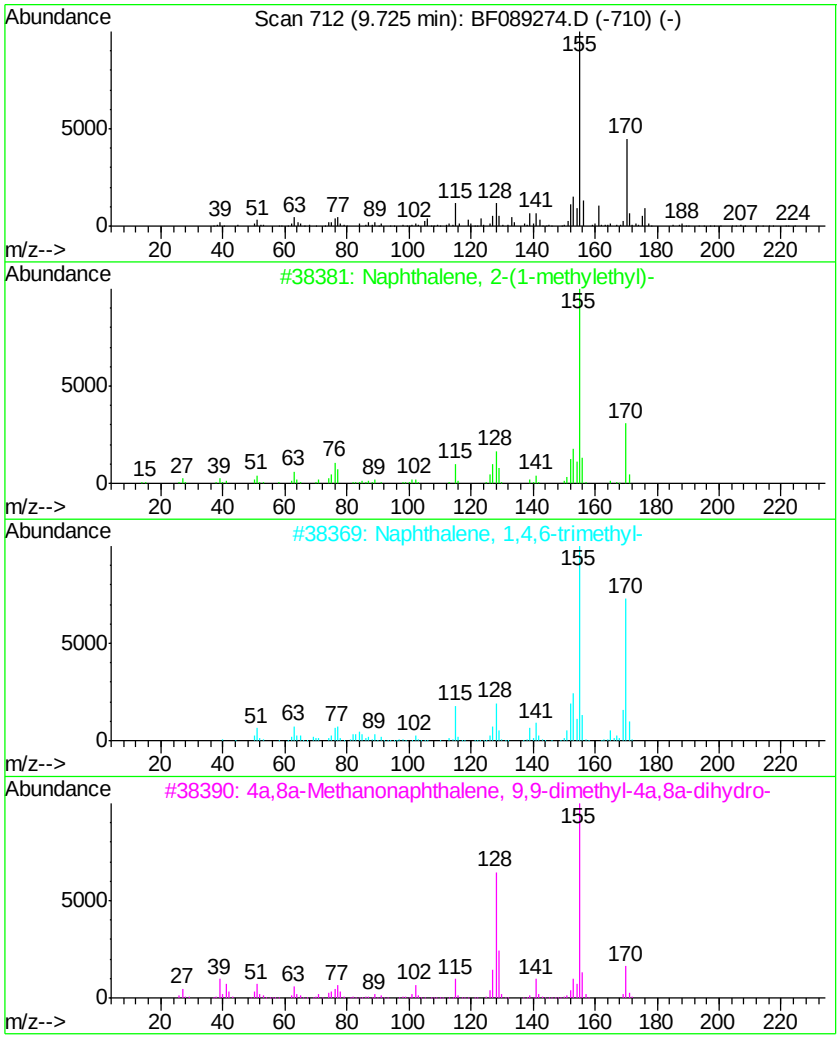
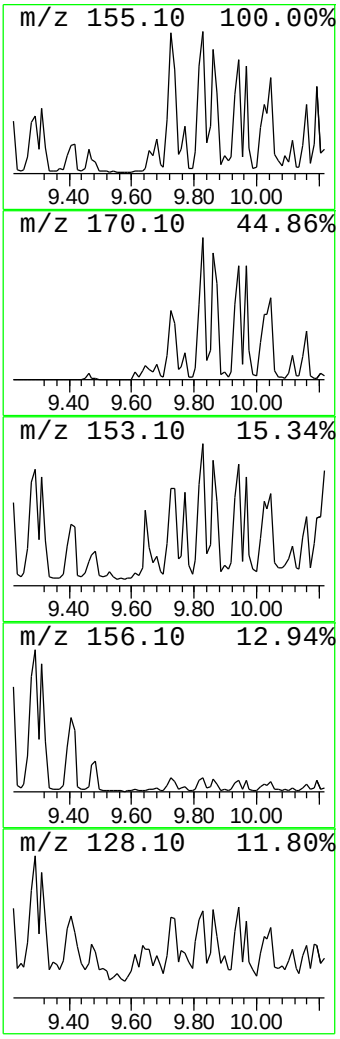
Peak Number 12 Naphthalene, 2-(1-methyleth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	22.97 ng	1986320	Acenaphthene-d10	9.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
3	4a,8a-Methanonaphthalene, 9,9-di...	170	C13H14	038963-97-2	83
4	Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	64
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	64





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ALS Vial : 6 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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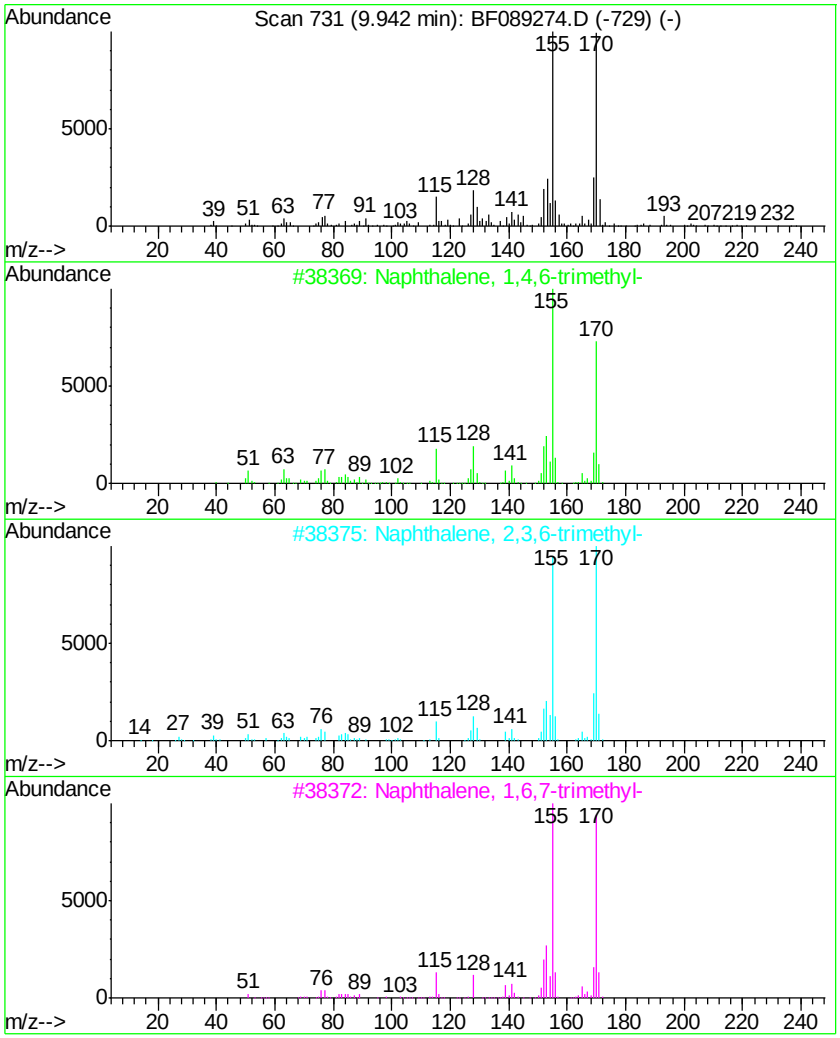
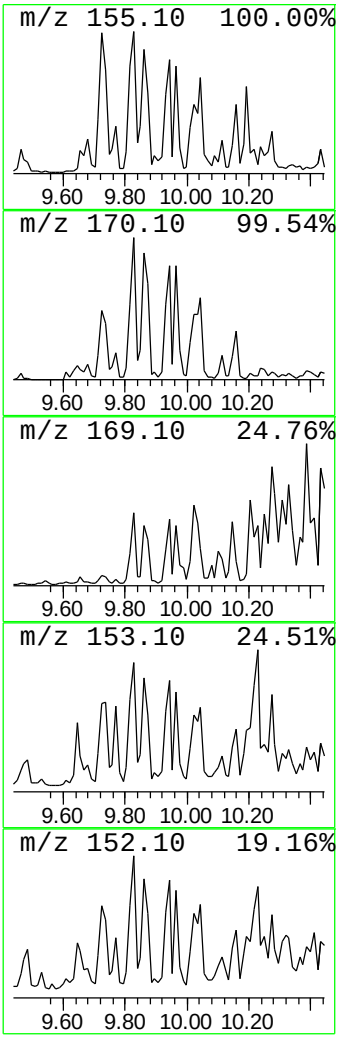
Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	25.88 ng	2237490	Acenaphthene-d10	9.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





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Instrument : BNA_F
ClientSampleId : KSB-09-5.0-7.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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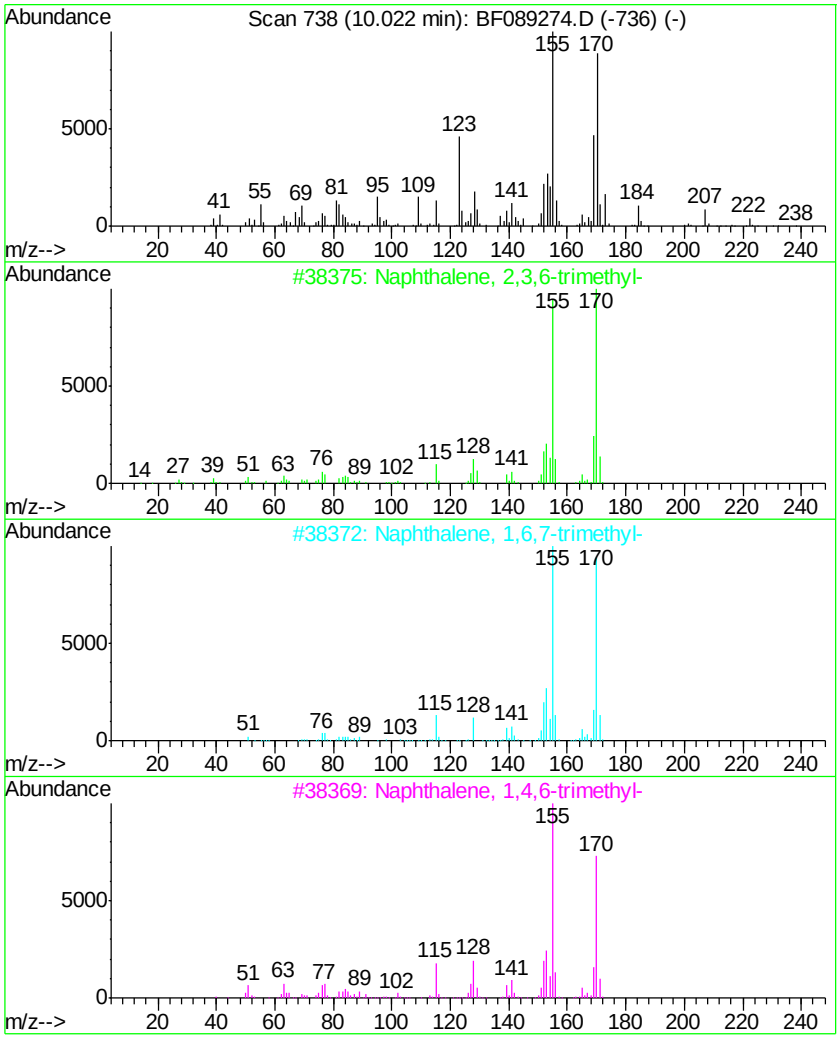
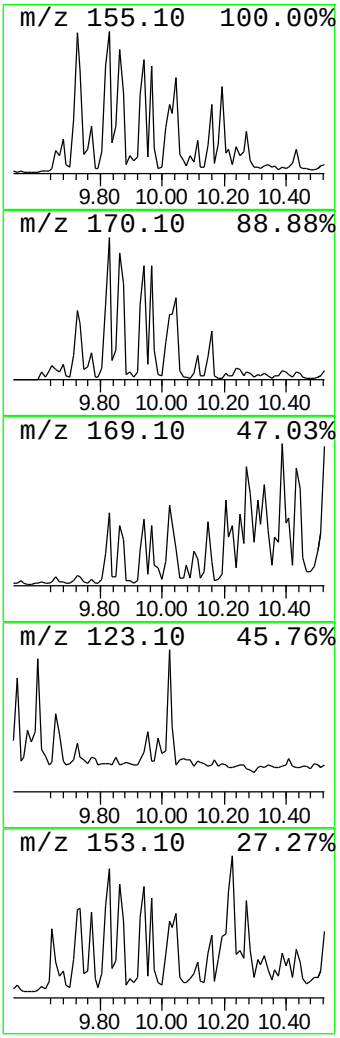
Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	23.69 ng	2048420	Acenaphthene-d10	9.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	70





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Sample : H4129-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-09-5.0-7.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.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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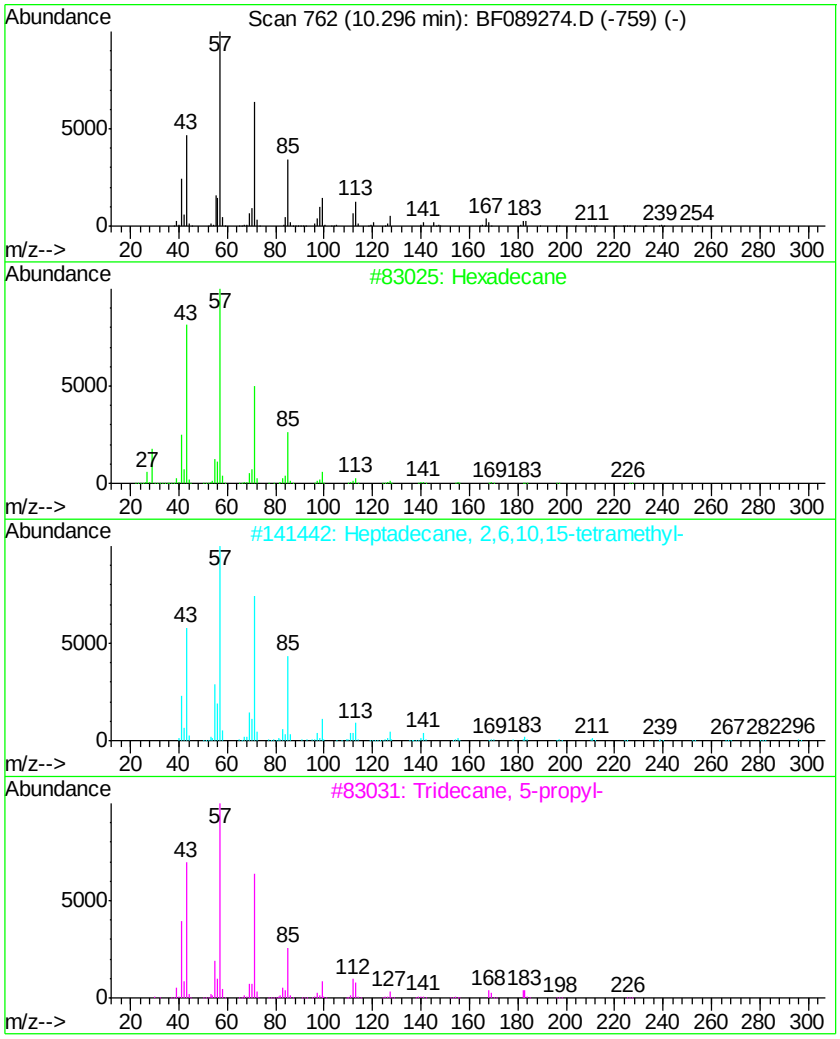
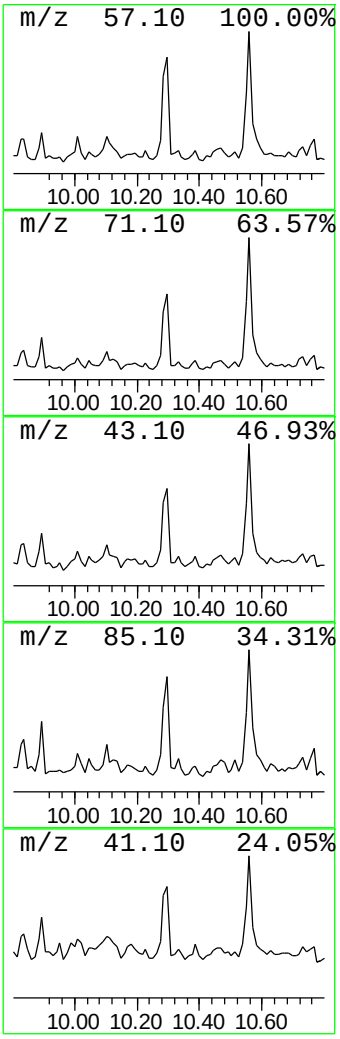
Peak Number 16 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	33.61 ng	2906750	Acenaphthene-d10	9.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	81
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	80
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	70
5	Heptacosane	380	C27H56	000593-49-7	64





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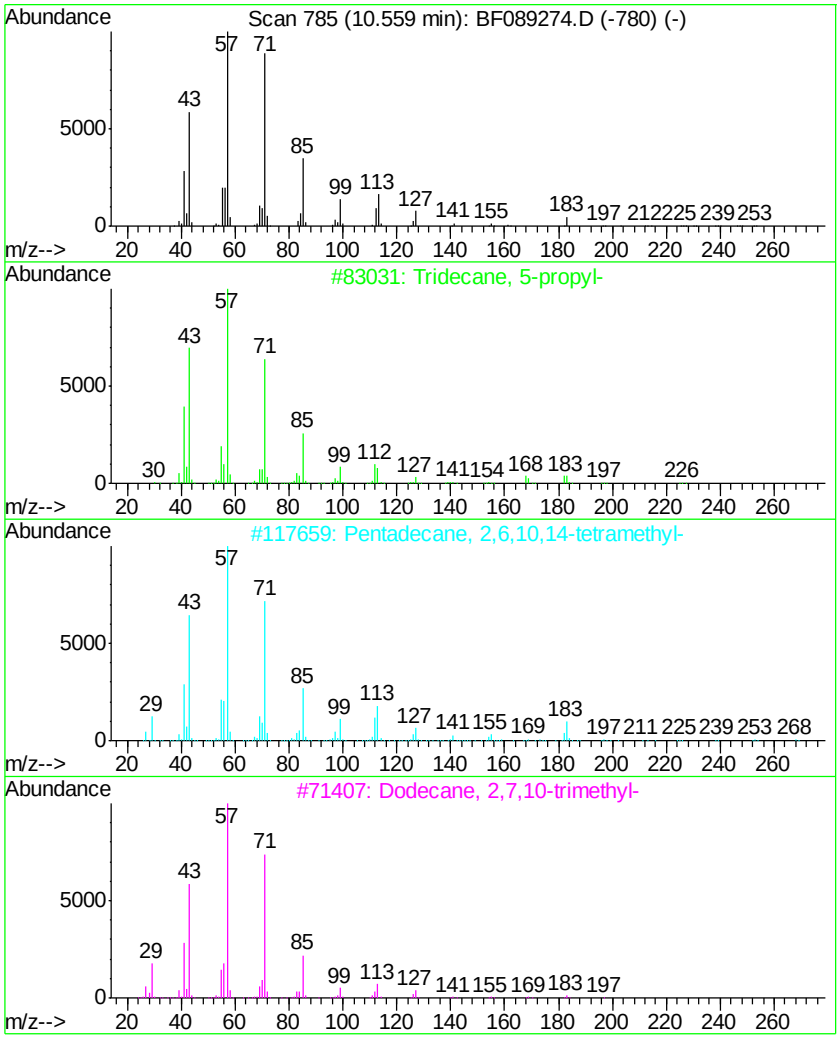
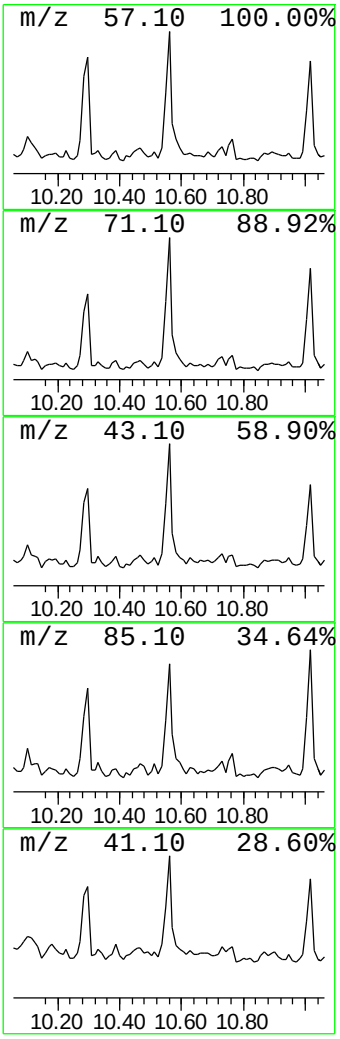
Peak Number 17 Tridecane, 5-propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	65.94 ng	3442960	Phenanthrene-d10	11.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
5	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64





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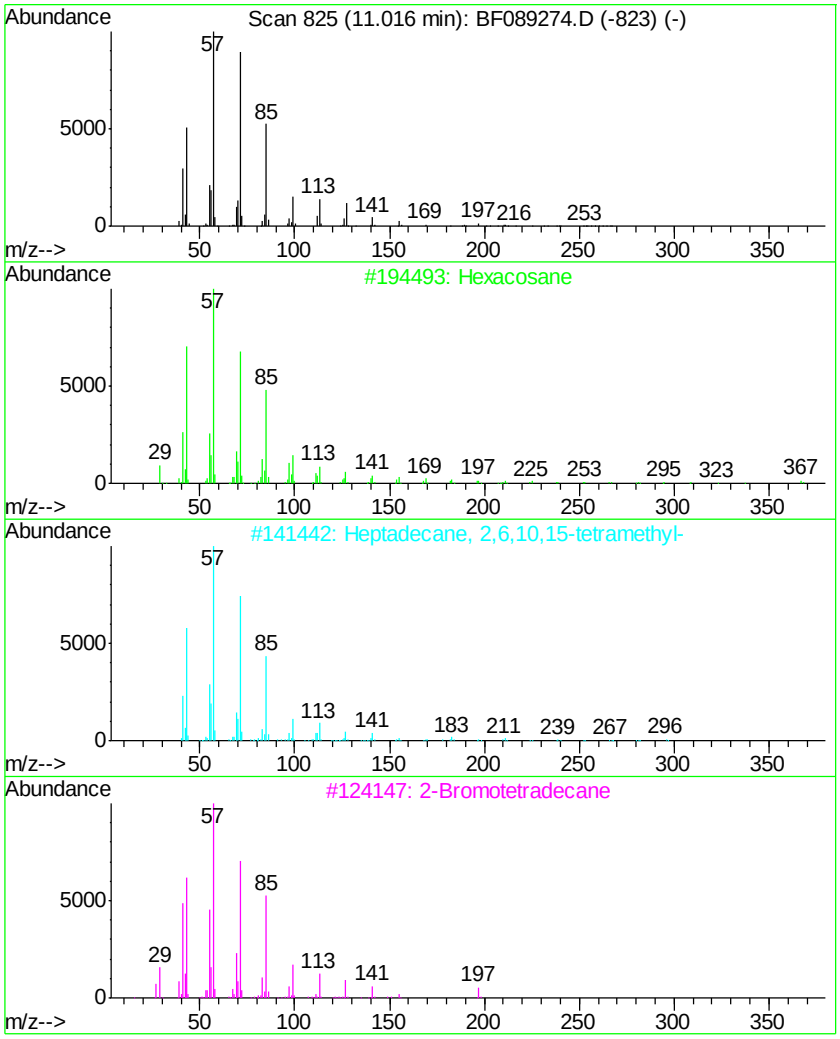
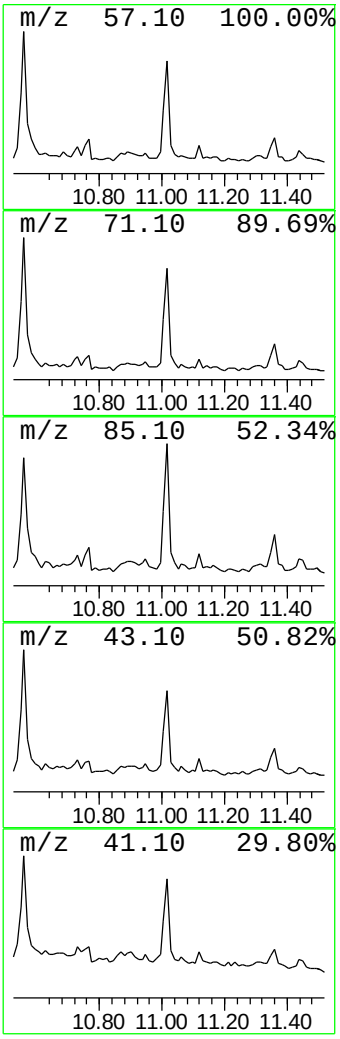
Peak Number 18 Hexacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	49.78 ng	2599470	Phenanthrene-d10	11.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3	2-Bromotetradecane	276	C14H29Br	074036-95-6	86
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80





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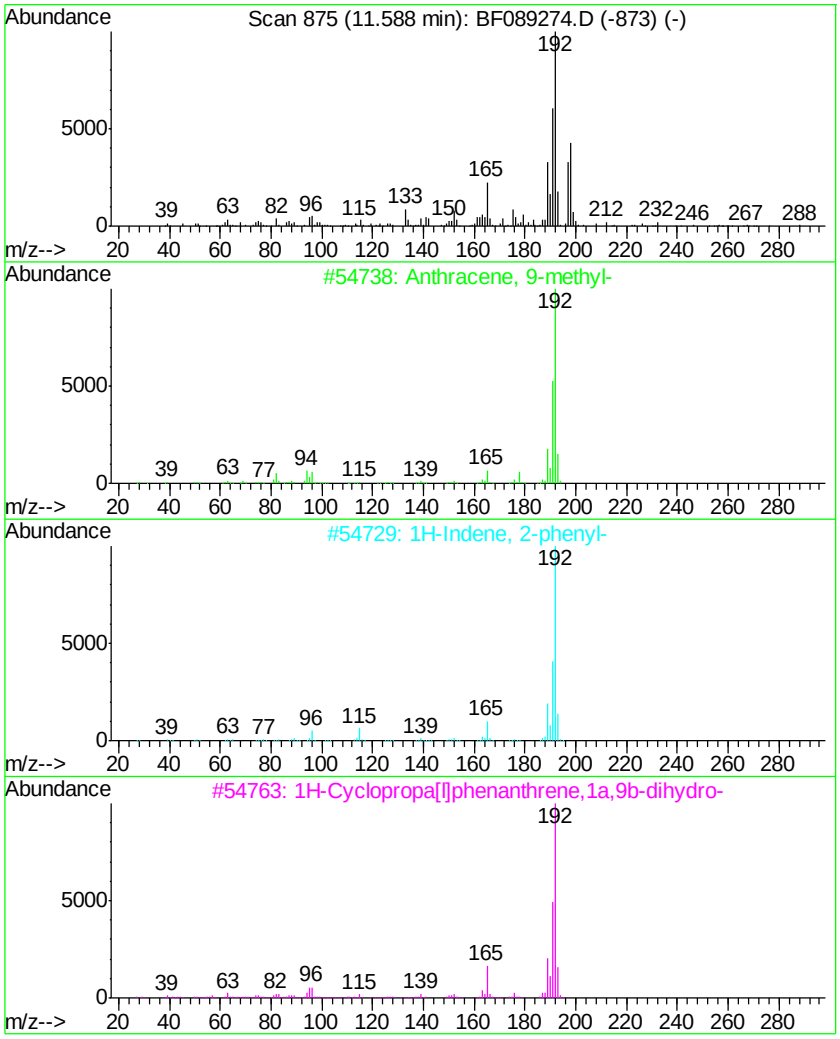
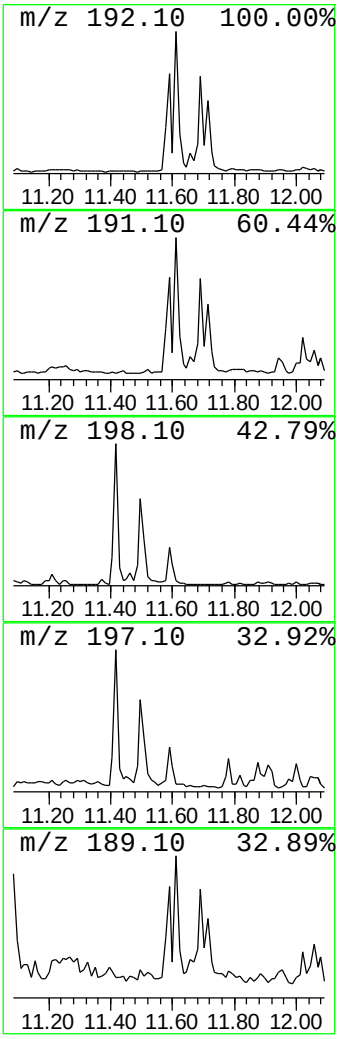
Peak Number 19 Anthracene, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	25.05 ng	1308070	Phenanthrene-d10	11.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	78





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ClientSampleId : KSB-09-5.0-7.0

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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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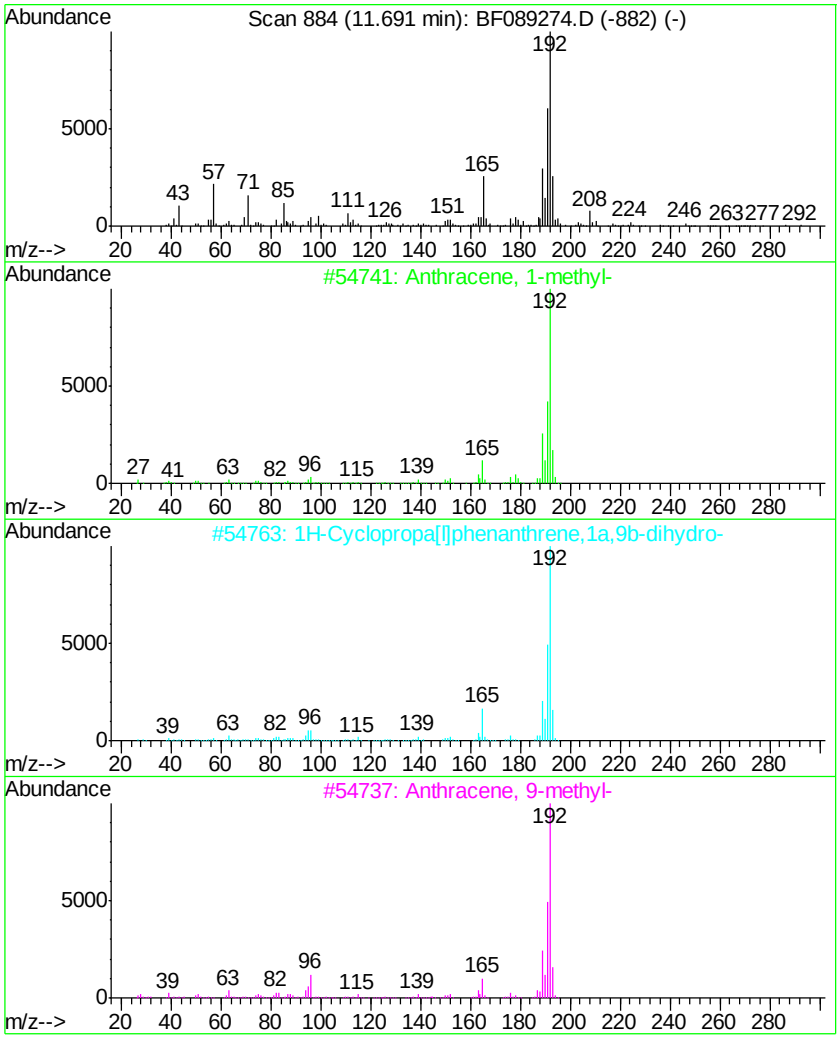
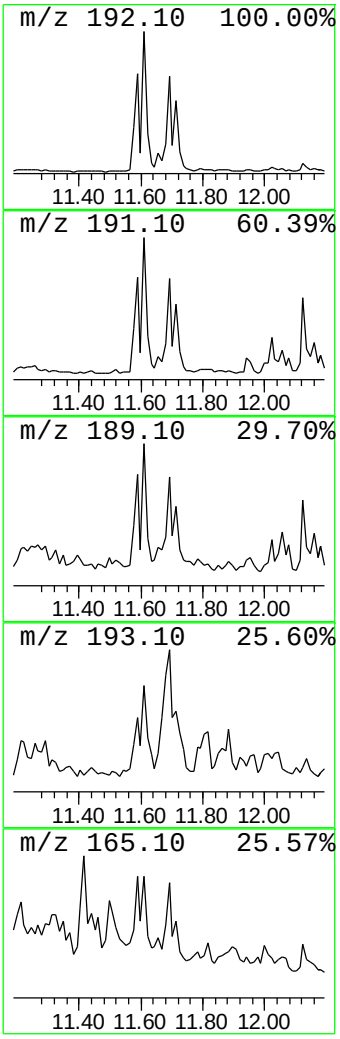
Peak Number 20 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	22.80 ng	1190720	Phenanthrene-d10	11.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
5	1-(9-Phenanthrenyl)-2-propanol	236	C17H16O	1000326-09-0	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072516\
Data File : BF089274.D
Acq On : 25 Jul 2016 12:43
Operator : UM/SJ
Sample : H4129-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-09-5.0-7.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.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
unknown5.79	5.79	28.6	ng	722844	1	6.57	505137	20.0
Octane, 3,5-dimet...	6.07	27.7	ng	698717	1	6.57	505137	20.0
unknown6.33	6.33	76.8	ng	1938640	1	6.57	505137	20.0
Octane, 6-ethyl-2...	6.64	21.1	ng	532738	1	6.57	505137	20.0
Cyclohexane, 1,1-...	6.83	45.7	ng	1153140	1	6.57	505137	20.0
unknown8.16	8.16	19.2	ng	2653100	2	7.85	2762170	20.0
Octane, 2,6-dimet...	8.32	29.3	ng	4047980	2	7.85	2762170	20.0
Naphthalene, 2,6-...	9.21	39.6	ng	3420640	3	9.61	1729450	20.0
Naphthalene, 2,3-...	9.29	42.1	ng	3644950	3	9.61	1729450	20.0
Naphthalene, 2-(1...	9.72	23.0	ng	1986320	3	9.61	1729450	20.0
Naphthalene, 1,4,...	9.94	25.9	ng	2237490	3	9.61	1729450	20.0
Naphthalene, 2,3,...	10.02	23.7	ng	2048420	3	9.61	1729450	20.0
Hexadecane	10.30	33.6	ng	2906750	3	9.61	1729450	20.0
Tridecane, 5-propyl-	10.56	65.9	ng	3442960	4	11.08	1044340	20.0
Hexacosane	11.02	49.8	ng	2599470	4	11.08	1044340	20.0
Anthracene, 9-met...	11.59	25.1	ng	1308070	4	11.08	1044340	20.0
Anthracene, 1-met...	11.69	22.8	ng	1190720	4	11.08	1044340	20.0