LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089152.D
Acq On : 21 Jul 2016 1:22
Operator : UM/SJ
Sample : H4112-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

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	1.724	11	12	31	rVB	859544	1196856	34.65%	1.459%
2	4.638	265	267	269	rVV	55690	72476	2.10%	0.088%
3	4.741	274	276	283	rVB	36403	78607	2.28%	0.096%
4	4.936	290	293	295	rBV	44010	63825	1.85%	0.078%
5	5.039	300	302	303	rVV	67672	70621	2.04%	0.086%
6	5.141	310	311	314	rVV	262724	347272	10.05%	0.423%
7	5.187	314	315	325	rVV	756409	1265576	36.64%	1.543%
8	5.324	325	327	329	rVV	58496	89664	2.60%	0.109%
9	5.370	329	331	333	rVV	57867	68035	1.97%	0.083%
10	5.416	333	335	339	rVB3	38309	67843	1.96%	0.083%
11	5.587	345	350	352	rBV2	84400	119147	3.45%	0.145%
12	5.656	352	356	360	rBV3	46052	120129	3.48%	0.146%
13	5.736	360	363	365	rBV3	117032	194429	5.63%	0.237%
14	5.793	365	368	370	rBV2	65608	94538	2.74%	0.115%
15	5.839	370	372	375	rVB3	335719	454975	13.17%	0.555%
16	5.896	375	377	378	rBV	147050	159071	4.61%	0.194%
17	6.044	385	390	392	rBV3	177852	363105	10.51%	0.443%
18	6.101	392	395	397	rBV3	300696	508563	14.72%	0.620%
19	6.147	397	399	402	rVB	250827	333339	9.65%	0.406%
20	6.193	402	403	405	rBV2	136540	161422	4.67%	0.197%
21	6.261	405	409	414	rVB	1068911	1487643	43.07%	1.813%
22	6.341	414	416	417	rBV	221406	336833	9.75%	0.411%
23	6.376	417	419	422	rVB	1150975	1382854	40.04%	1.686%
24	6.433	422	424	428	rVB	688494	980024	28.37%	1.195%
25	6.559	432	435	436	rBV3	179953	345069	9.99%	0.421%
26	6.604	436	439	440	rBV	369380	392704	11.37%	0.479%
27	6.639	440	442	443	rVB	771416	903404	26.16%	1.101%
28	6.684	443	446	449	rBV5	211345	545191	15.78%	0.665%
29	6.764	449	453	457	rVB4	1117245	2459564	71.21%	2.998%
30	6.867	457	462	464	rBV4	408419	1194086	34.57%	1.456%
31	6.902	464	465	466	rVB	388861	266564	7.72%	0.325%
32	6.936	466	468	469	rBV	428346	497695	14.41%	0.607%
33	6.959	469	470	472	rBV2	84879	153756	4.45%	0.187%
34	6.993	472	473	475	rBV	250583	281837	8.16%	0.344%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
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Operator : UM/SJ
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

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

35	7.107	478	483	484	rBV2	352541	775962	22.47%	0.946%
36	7.153	484	487	494	rVB3	941127	2711651	78.51%	3.305%
37	7.267	494	497	499	rVB2	477895	907016	26.26%	1.106%
38	7.336	499	503	505	rBV2	748995	1503633	43.53%	1.833%
39	7.382	505	507	508	rBV2	427395	661880	19.16%	0.807%
40	7.416	508	510	513	rVB	1680622	1810841	52.43%	2.207%
41	7.473	513	515	517	rBV3	214024	421996	12.22%	0.514%
42	7.530	517	520	523	rBV3	943035	1923736	55.70%	2.345%
43	7.599	523	526	527	rBV	256756	346218	10.02%	0.422%
44	7.633	527	529	531	rBV2	619599	910308	26.36%	1.110%
45	7.713	534	536	539	rVB3	436340	814918	23.59%	0.993%
46	7.770	539	541	545	rBV3	365055	978681	28.33%	1.193%
47	7.885	545	551	553	rBV5	1056518	2767271	80.12%	3.373%
48	7.930	553	555	557	rVV3	441033	991759	28.71%	1.209%
49	7.987	557	560	562	rVV	1730890	2626147	76.03%	3.201%
50	8.067	565	567	568	rBV2	391054	652090	18.88%	0.795%
51	8.113	569	571	573	rVB2	540148	613203	17.75%	0.747%
52	8.193	573	578	580	rBV5	837427	2048318	59.30%	2.497%
53	8.262	583	584	585	rVV	257910	247362	7.16%	0.302%
54	8.342	588	591	595	rBV2	2161935	3453987	100.00%	4.210%
55	8.445	598	600	601	rBV2	465278	519120	15.03%	0.633%
56	8.513	604	606	608	rVV3	453538	1072770	31.06%	1.308%
57	8.605	612	614	616	rVB2	1171048	1460135	42.27%	1.780%
58	8.639	616	617	618	rBV	212141	274670	7.95%	0.335%
59	8.707	620	623	628	rVB2	1270535	1810625	52.42%	2.207%
60	8.810	628	632	636	rVB5	728005	1527021	44.21%	1.861%
61	8.879	636	638	640	rVB2	355346	479380	13.88%	0.584%
62	8.936	640	643	645	rBV2	1752744	2909234	84.23%	3.546%
63	8.970	645	646	649	rVB	1236226	1116532	32.33%	1.361%
64	9.062	651	654	655	rBV2	482143	843252	24.41%	1.028%
65	9.119	657	659	660	rVB	295348	260389	7.54%	0.317%
66	9.233	666	669	672	rBV2	1101856	1990042	57.62%	2.426%
67	9.313	672	676	677	rVV	1448377	2297693	66.52%	2.801%
68	9.393	681	683	684	rVV2	1769855	2268782	65.69%	2.766%
69	9.416	684	685	688	rVB2	514854	800082	23.16%	0.975%
70	9.508	691	693	695	rVV3	356678	388345	11.24%	0.473%
71	9.553	695	697	699	rVB3	727742	848417	24.56%	1.034%

LSC Area Percent Report

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Sample : H4112-07
Misc :
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Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.588	699	700	702	rBV2	216934	339133	9.82%	0.413%
73	9.633	702	704	706	rBV3	697896	1209014	35.00%	1.474%
74	9.748	712	714	717	rVB	474769	721315	20.88%	0.879%
75	9.850	720	723	724	rVV2	743738	999850	28.95%	1.219%
76	9.885	724	726	727	rVV	532351	442280	12.80%	0.539%
77	9.908	727	728	731	rVB2	468903	587654	17.01%	0.716%
78	9.965	731	733	734	rBV	417371	665709	19.27%	0.811%
79	10.045	738	740	743	rVB3	490044	895071	25.91%	1.091%
80	10.136	743	748	750	rVB4	257171	603663	17.48%	0.736%
81	10.182	750	752	753	rBV2	225545	301651	8.73%	0.368%
82	10.308	761	763	764	rBV2	977545	1027639	29.75%	1.253%
83	10.342	764	766	768	rVB3	224858	417017	12.07%	0.508%
84	10.422	768	773	775	rBV3	901523	1311316	37.97%	1.598%
85	10.570	783	786	789	rVV2	1380904	1634357	47.32%	1.992%
86	10.616	789	790	795	rVB4	183182	274110	7.94%	0.334%
87	10.753	800	802	803	rVB2	270809	220400	6.38%	0.269%
88	11.028	823	826	829	rVB2	842030	1045212	30.26%	1.274%
89	11.108	831	833	834	rBV	509788	427309	12.37%	0.521%
90	11.222	841	843	850	rVB4	89220	231188	6.69%	0.282%
91	11.371	855	856	859	rVB3	180918	190946	5.53%	0.233%
92	11.519	867	869	872	rVB2	85797	125274	3.63%	0.153%
93	11.611	875	877	878	rBV2	89143	146581	4.24%	0.179%
94	11.713	884	886	892	rVB3	130341	331958	9.61%	0.405%
95	12.102	916	920	922	rVB3	66688	153026	4.43%	0.187%
96	12.148	922	924	930	rVB3	96674	190222	5.51%	0.232%
97	12.685	968	971	974	rVB	1530673	1521815	44.06%	1.855%
98	13.622	1050	1053	1059	rVB2	29678	70867	2.05%	0.086%
99	13.714	1059	1061	1064	rBV	389667	481015	13.93%	0.586%
100	15.062	1176	1179	1182	rBV	334324	380913	11.03%	0.464%

Sum of corrected areas: 82036688

LSC Report - Integrated Chromatogram

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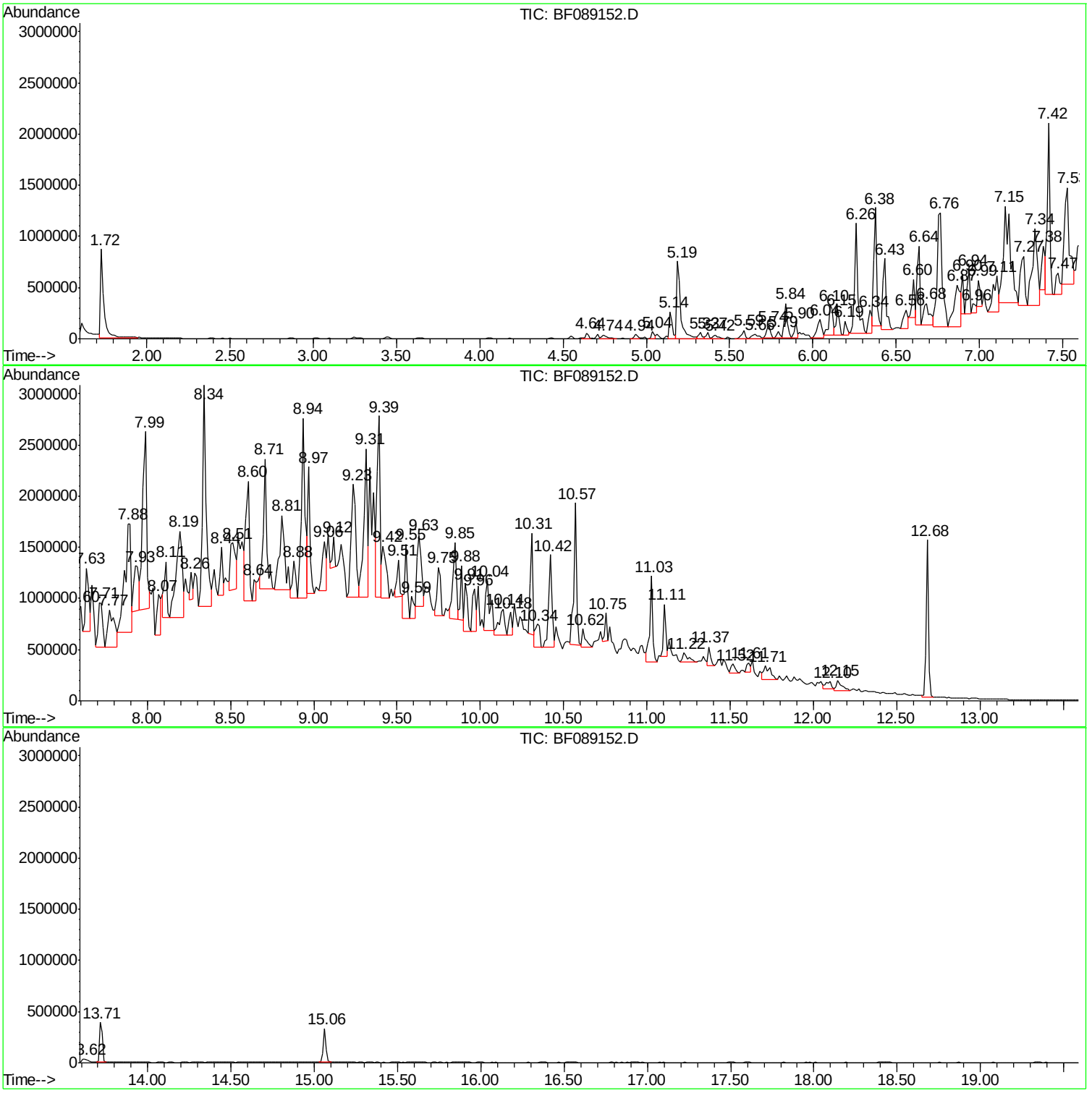
Data File : BF089152.D
Acq On : 21 Jul 2016 1:22
Operator : UM/SJ
Sample : H4112-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
KSB-05-12.0-14.0

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089152.D
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

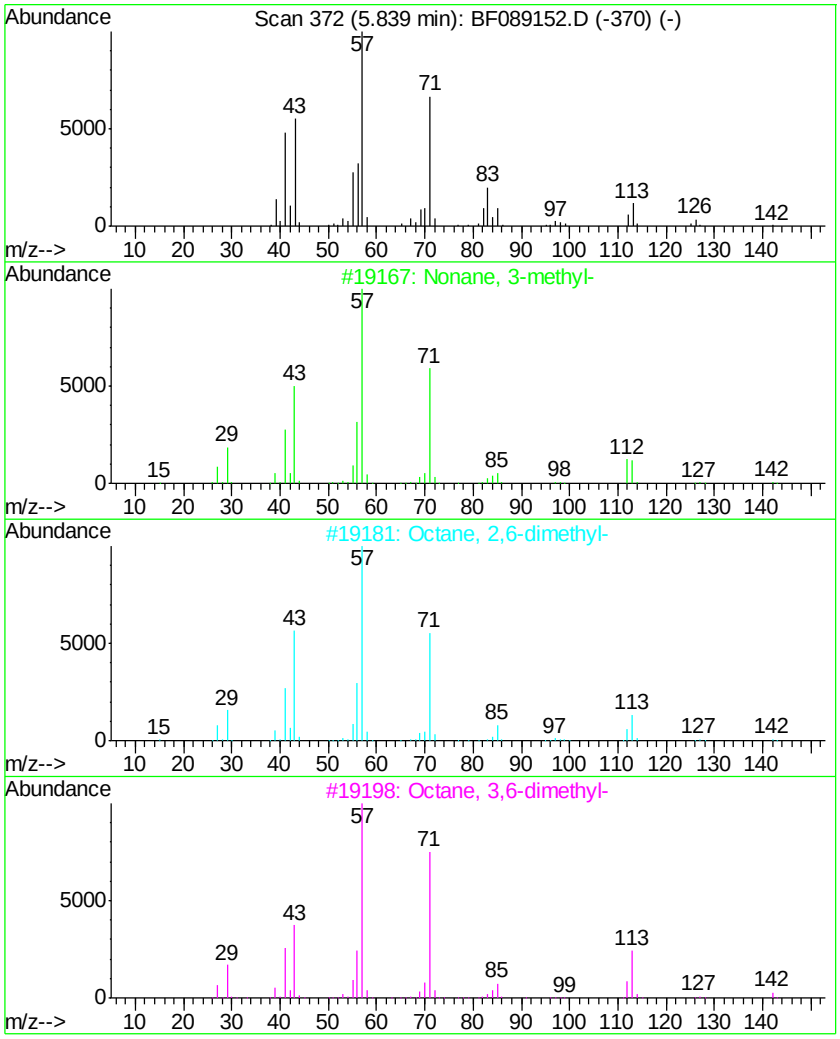
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

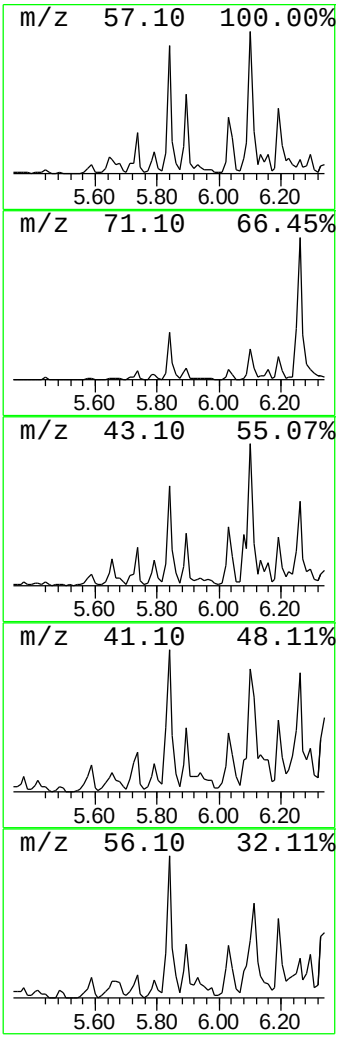
****

Peak Number 2 Nonane, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.84	23.17 ng	454975	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	76
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
4	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	53
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089152.D
Acq On : 21 Jul 2016 1:22
Operator : UM/SJ
Sample : H4112-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

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
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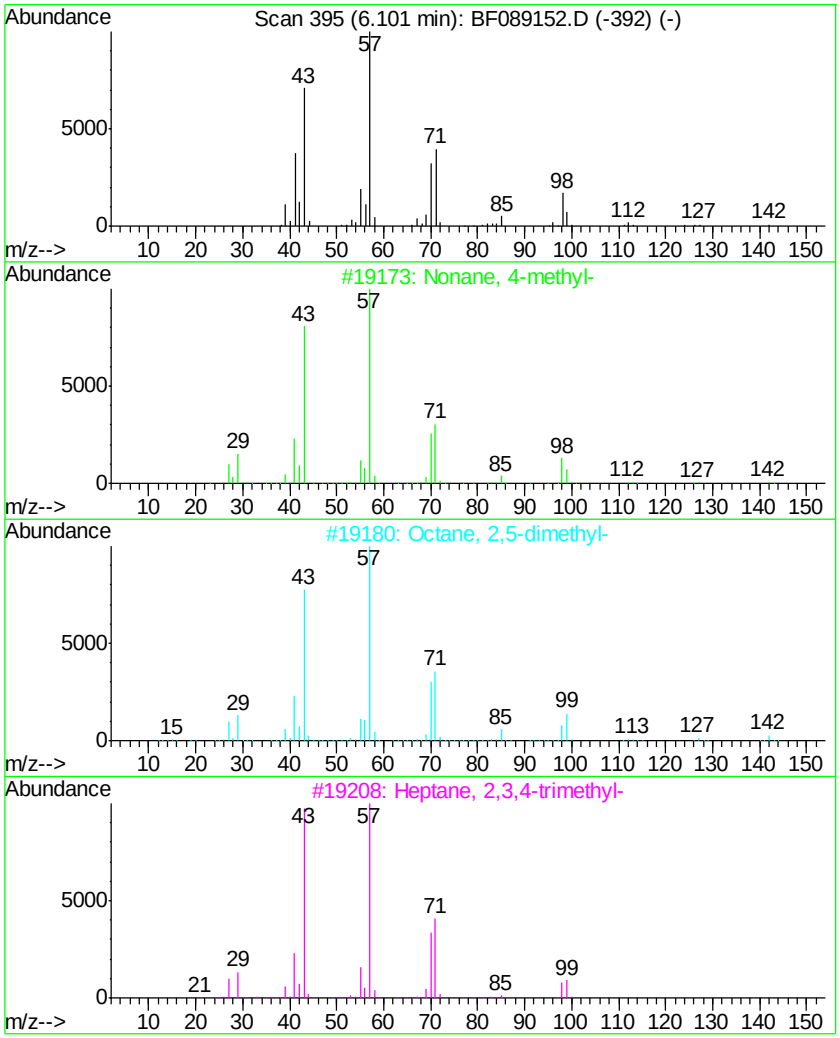
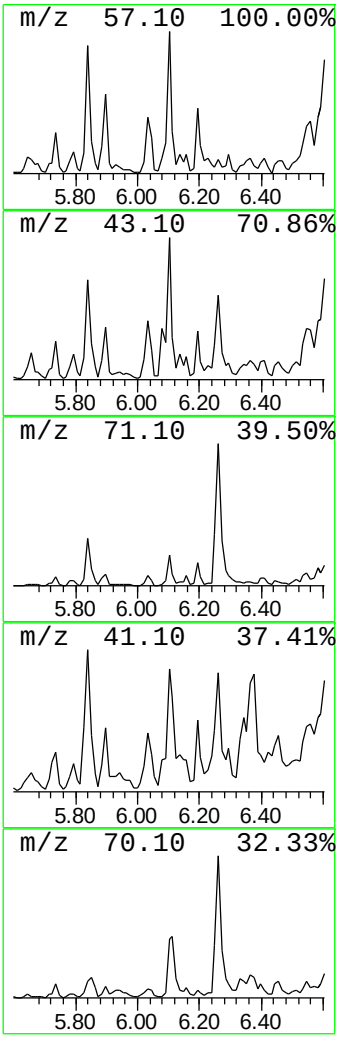
****

Peak Number 4 Nonane, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.10	25.90 ng	508563	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	91
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	72
3	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
4	Hexadecane	226	C16H34	000544-76-3	59
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	50





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Sample : H4112-07
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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

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

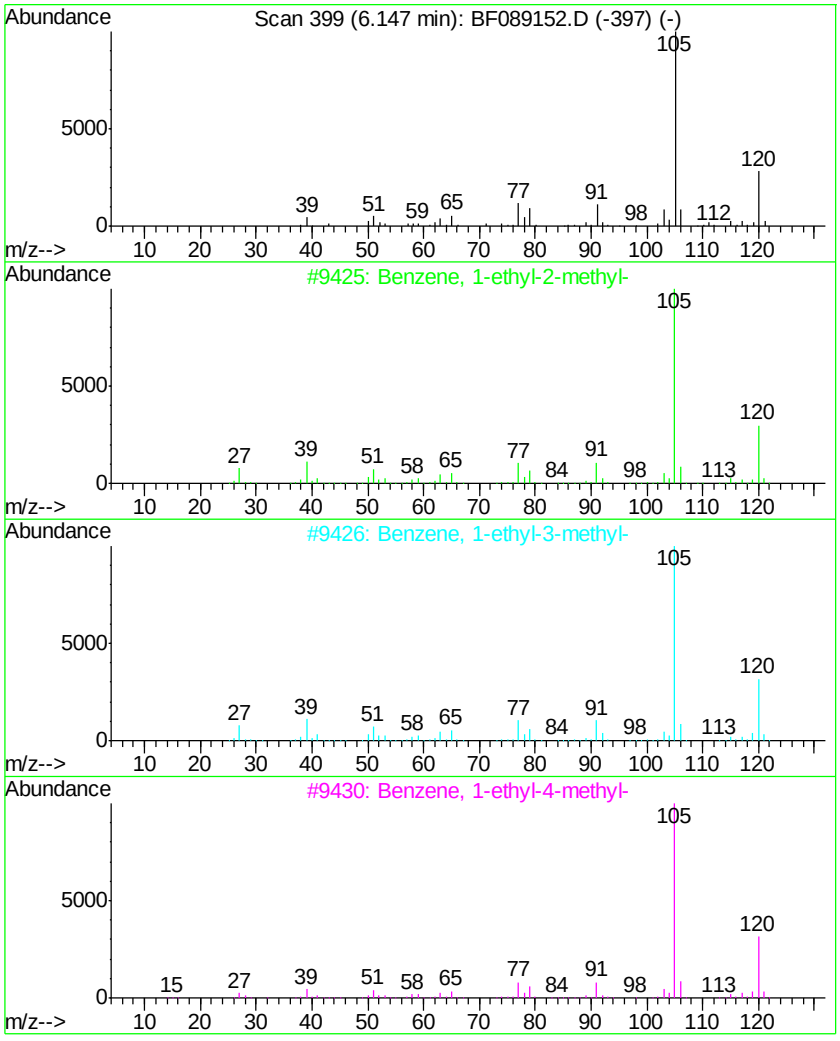
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

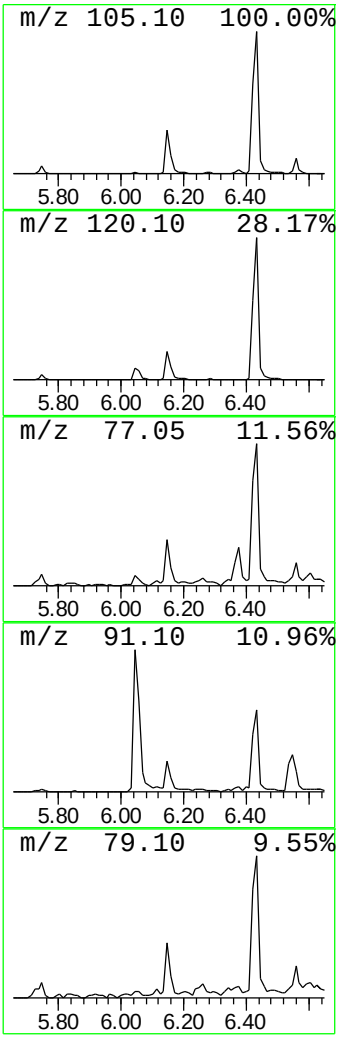
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.15	16.98 ng	333339	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
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Operator : UM/SJ
Sample : H4112-07
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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

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

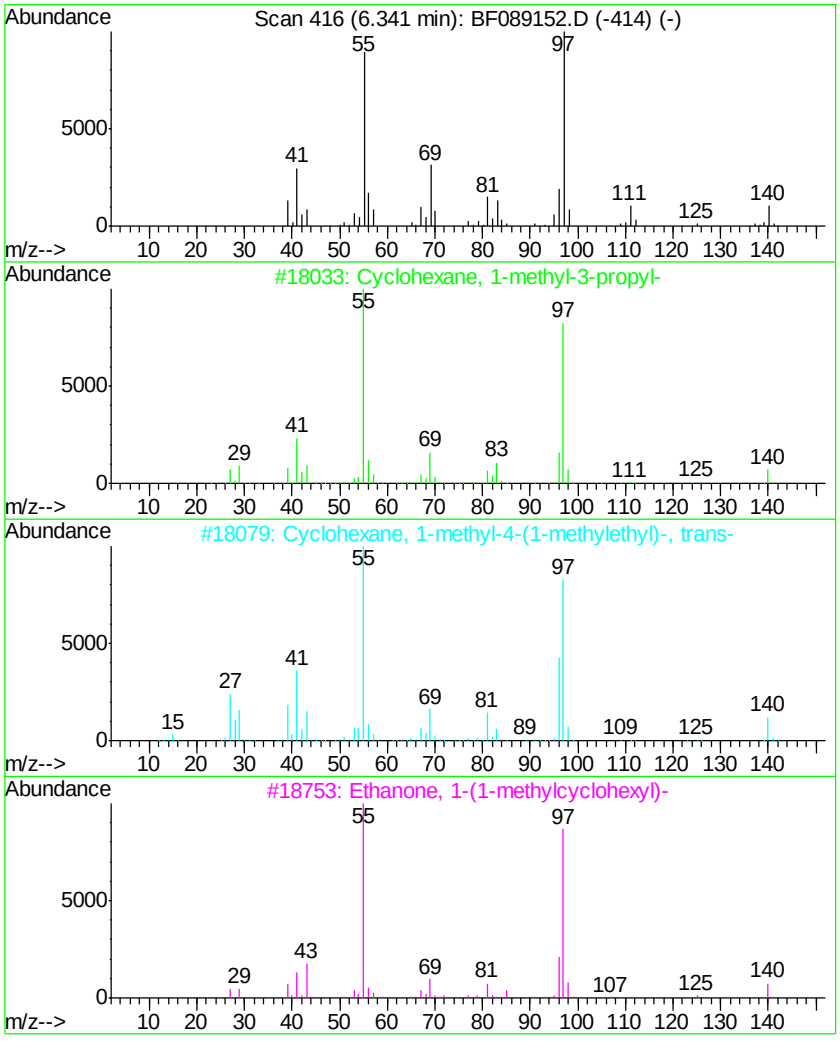
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

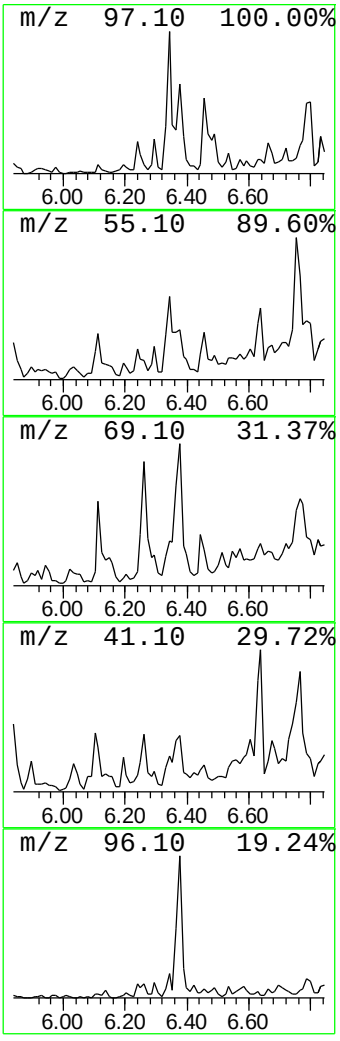
****

Peak Number 6 Cyclohexane, 1-methyl-3-pro... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	17.15 ng	336833	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	83
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	64
3	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	64
4	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	64
5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	62





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Data File : BF089152.D
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Operator : UM/SJ
Sample : H4112-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

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

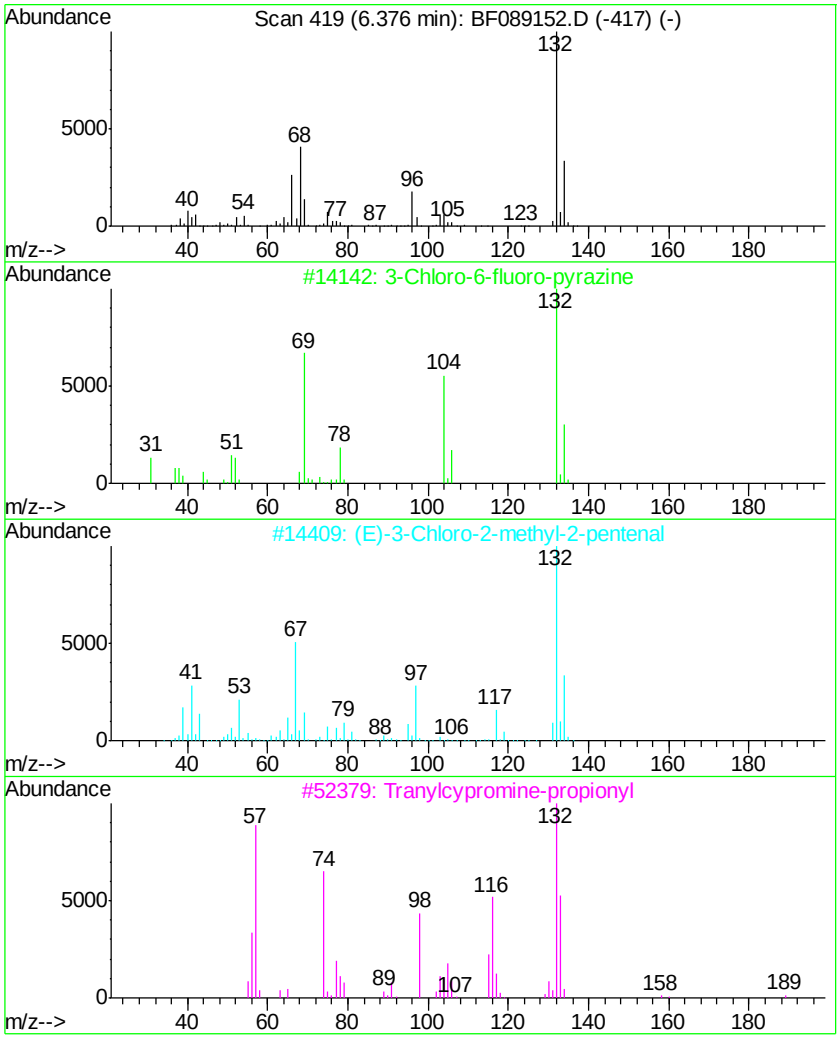
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

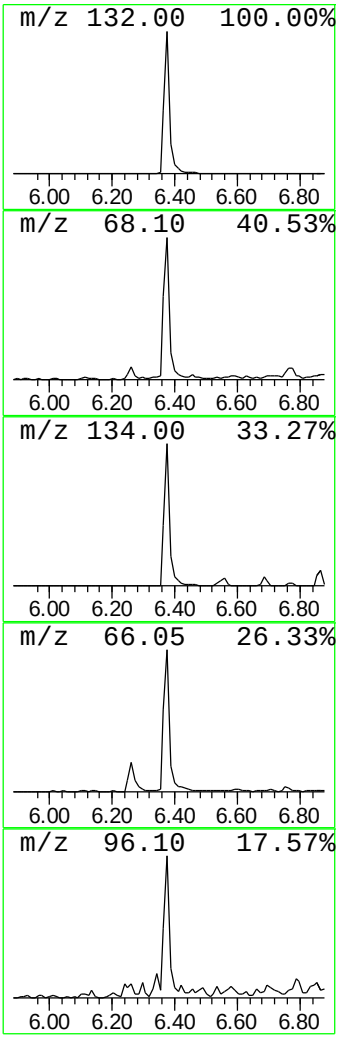
****

Peak Number 7 unknown6.38 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	70.43 ng	1382850	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





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Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

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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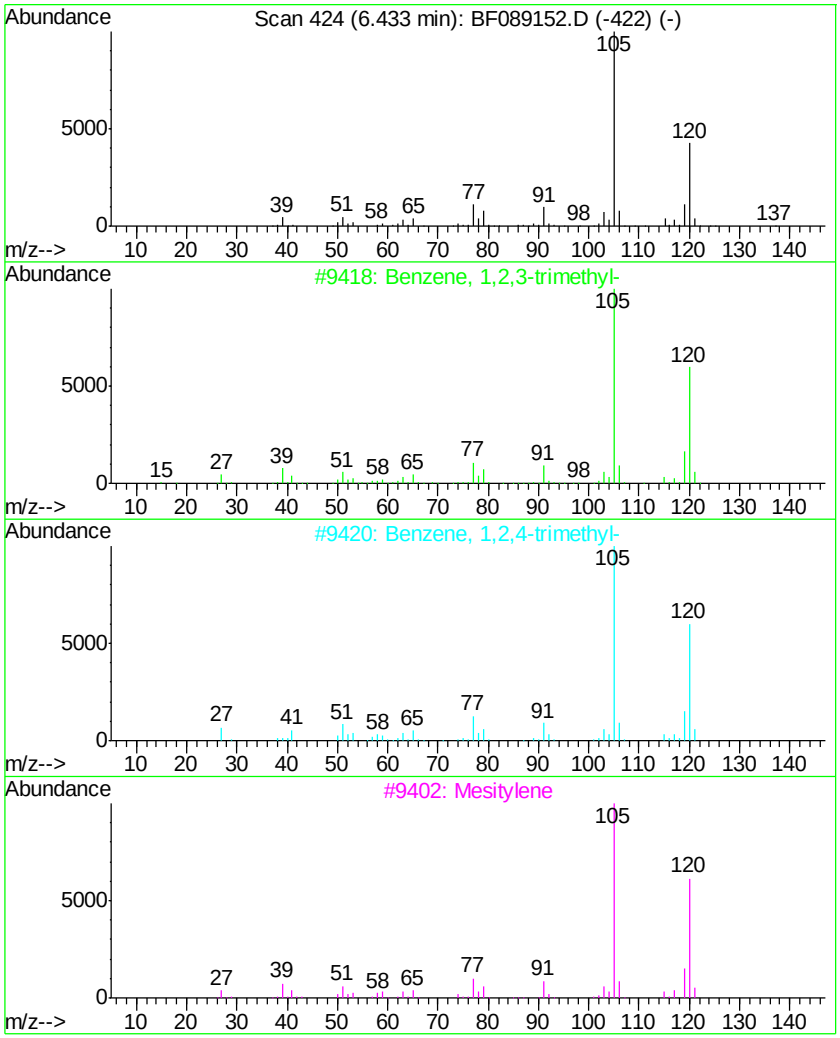
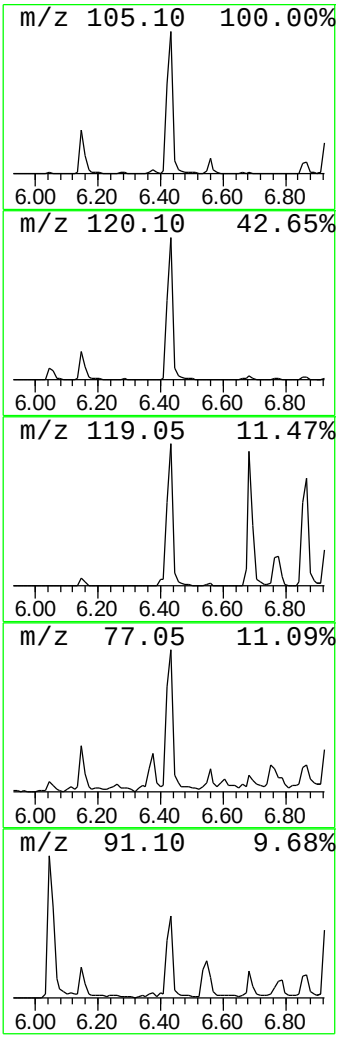
Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	49.91 ng	980024	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87





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Operator : UM/SJ
Sample : H4112-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

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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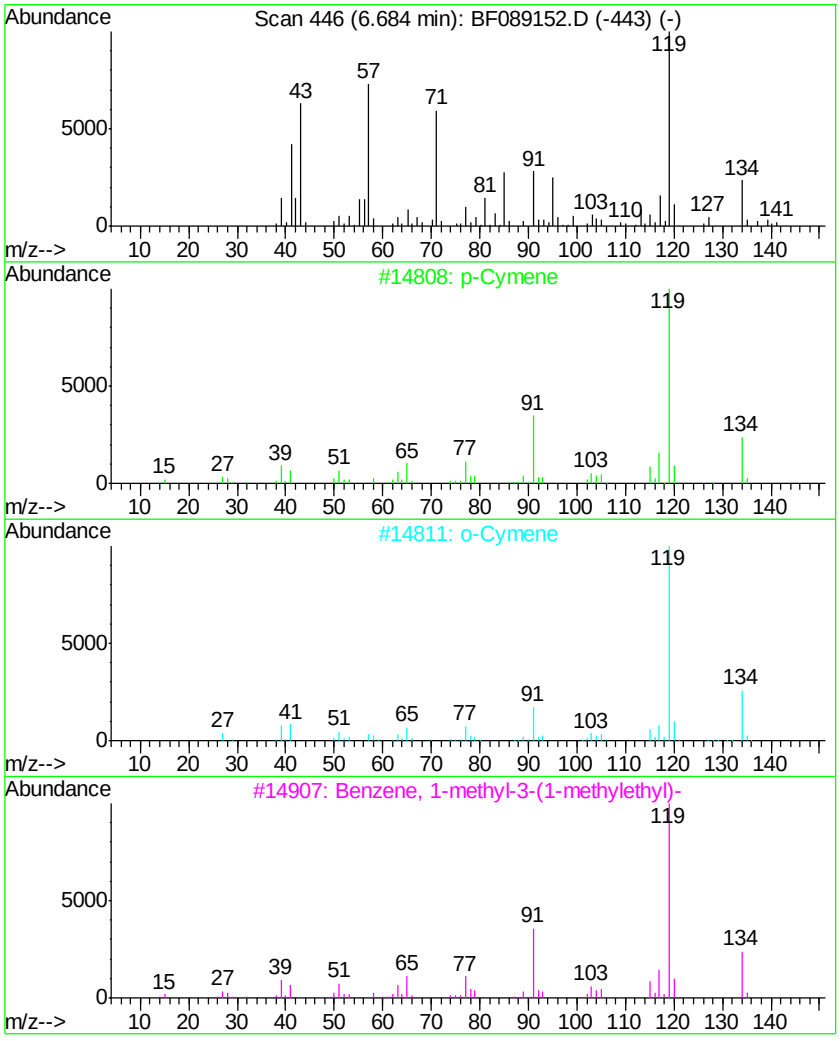
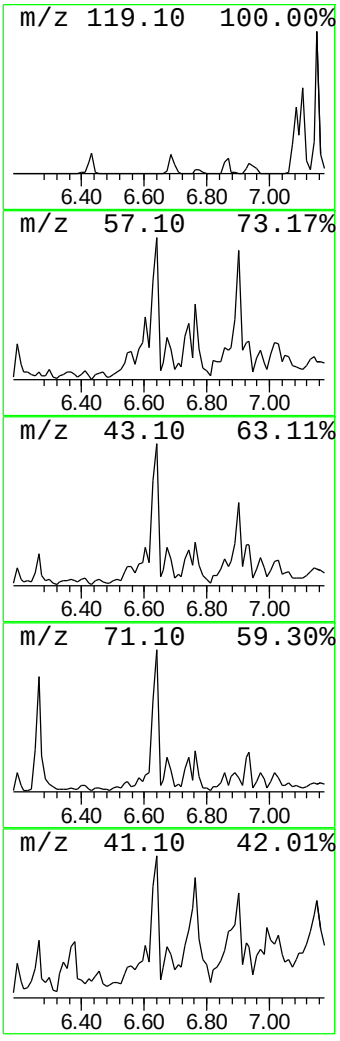
Peak Number 9 p-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	27.77 ng	545191	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	90
2	o-Cymene	134	C10H14	000527-84-4	86
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	50
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	50
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50





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Sample : H4112-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

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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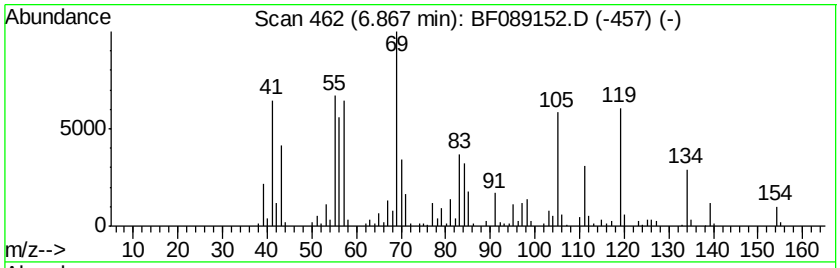
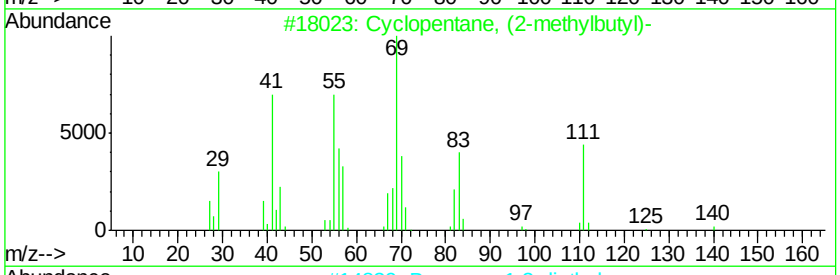
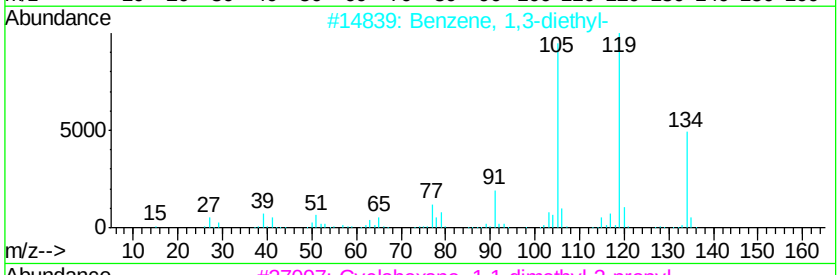
Peak Number 10 unknown6.87 Concentration Rank 4

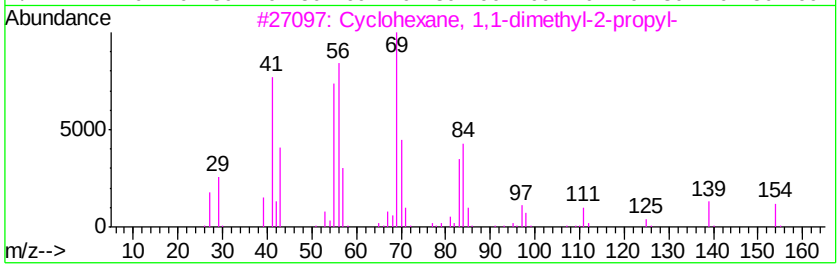
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	60.81 ng	1194090	1,4-Dichlorobenzene-d4	6.60

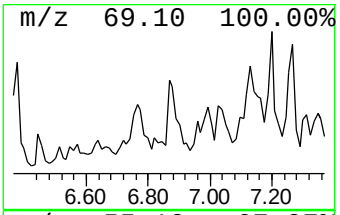
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	46
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	45
3	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	42
4	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	42
5	3-Methyl-3-hexene	98	C7H14	003404-65-7	38

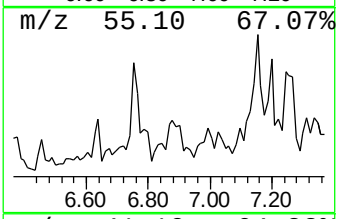


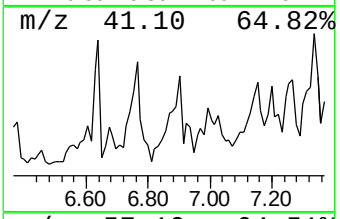


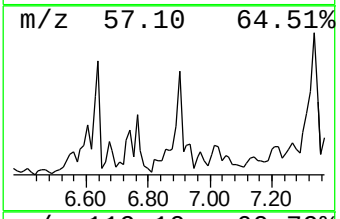


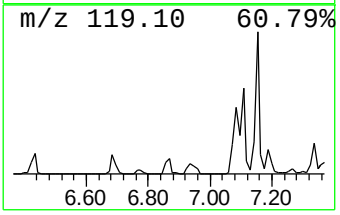












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Acq On : 21 Jul 2016 1:22
Operator : UM/SJ
Sample : H4112-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

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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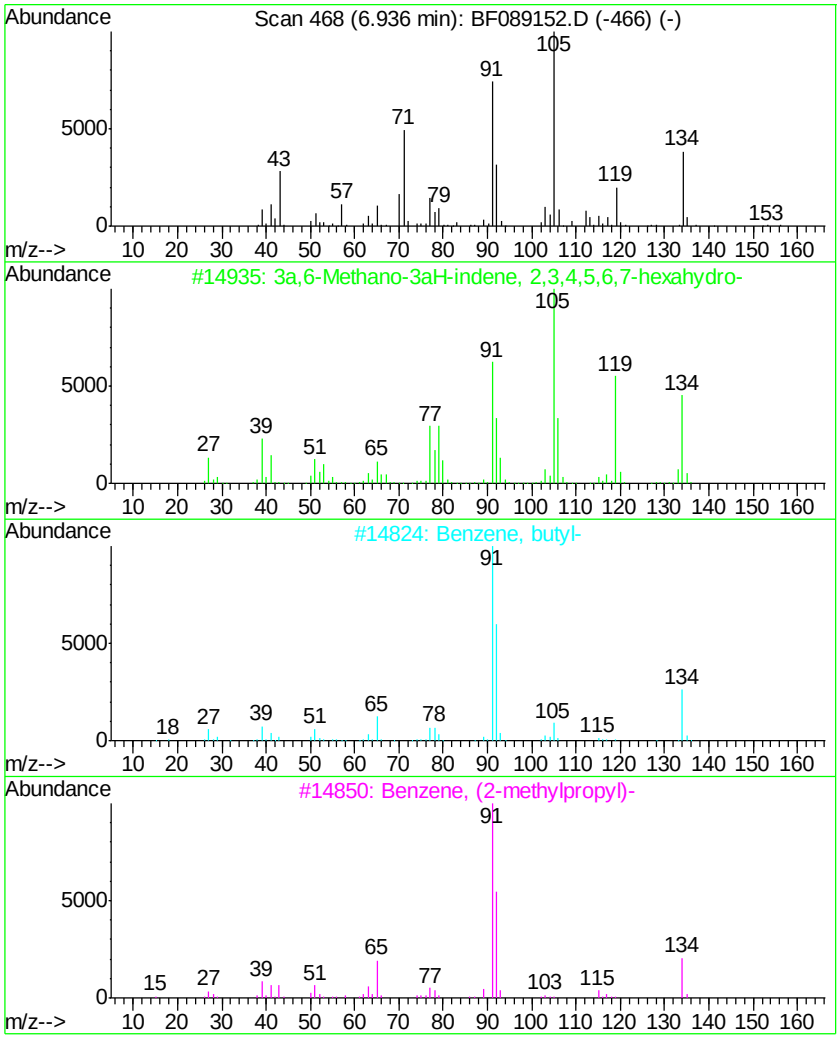
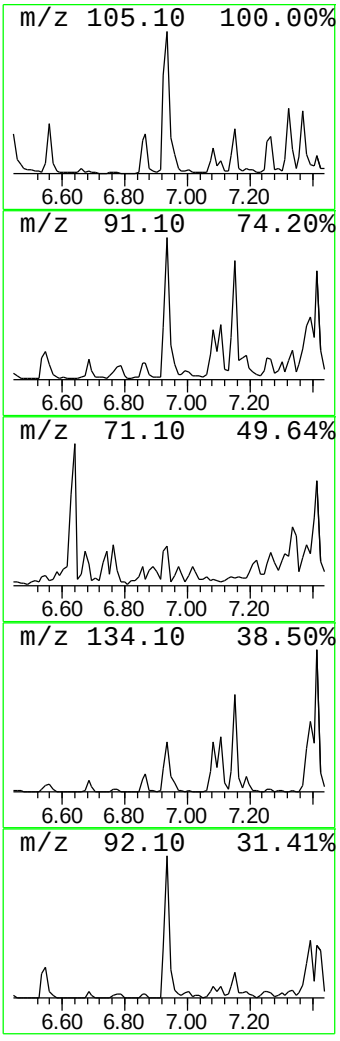
Peak Number 11 unknown6.94 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	25.35 ng	497695	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3a,6-Methano-3aH-indene, 2,3,4,5...	134	C10H14	098640-10-9	46
2	Benzene, butyl-	134	C10H14	000104-51-8	43
3	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	41
4	2-Tolyloxirane	134	C9H10O	002783-26-8	38
5	2-Indanol	134	C9H10O	004254-29-9	38





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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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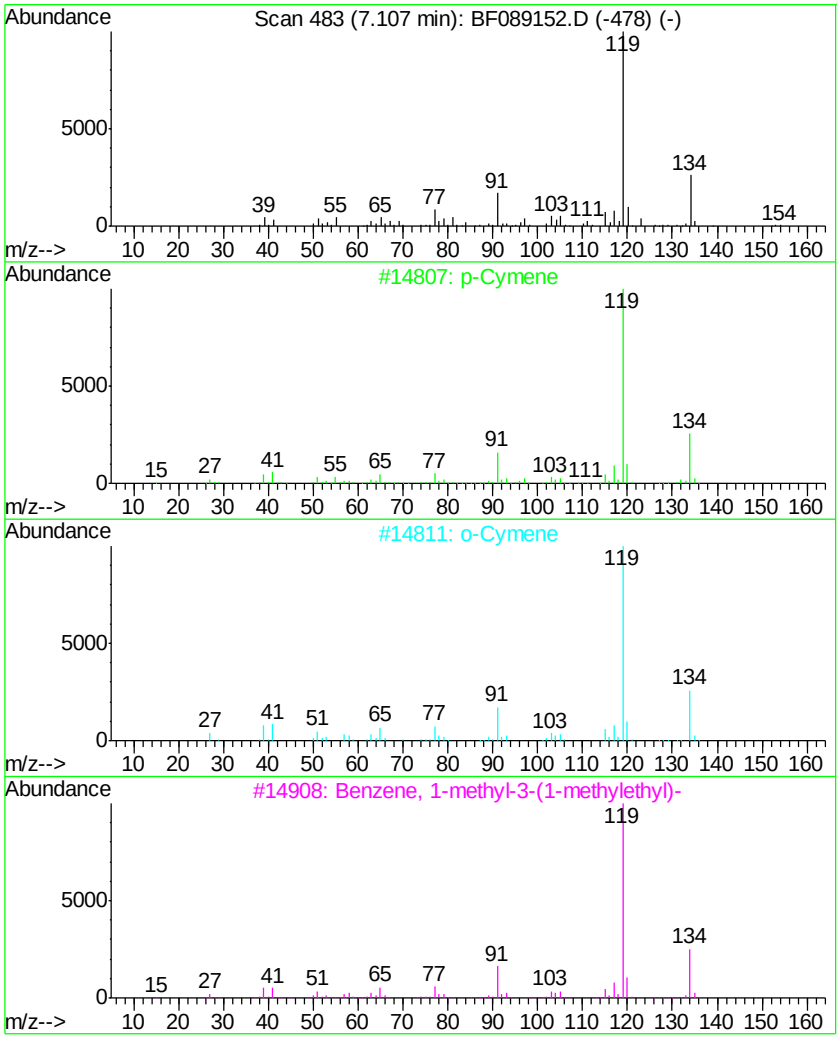
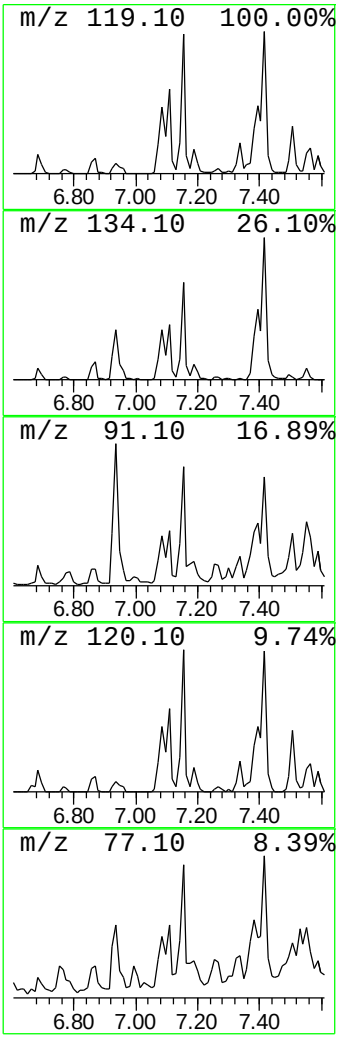
Peak Number 12 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	39.52 ng	775962	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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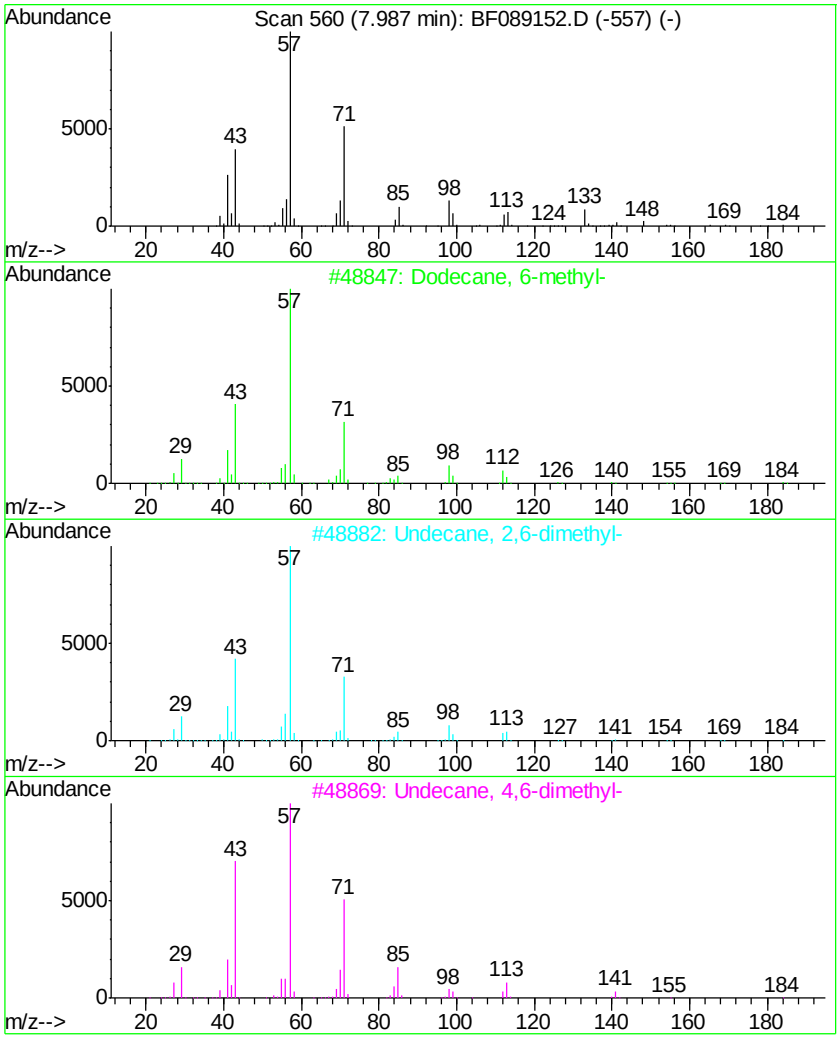
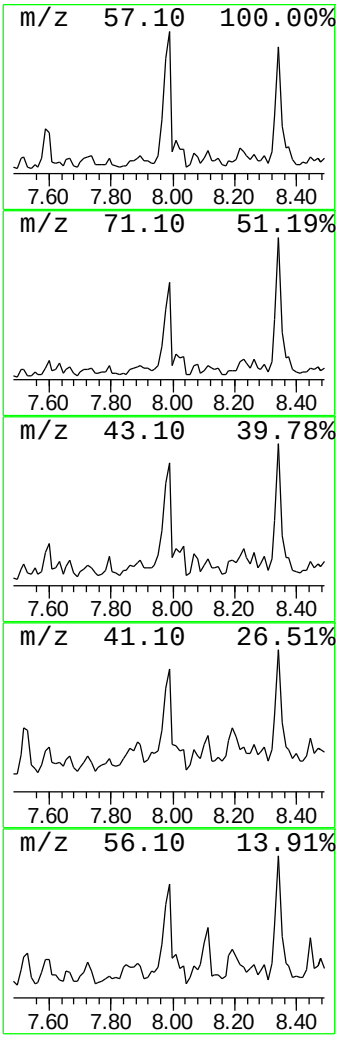
Peak Number 13 Dodecane, 6-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	18.98 ng	2626150	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	70
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	70
3	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	64
4	Undecane, 6-ethyl-	184	C13H28	017312-60-6	64
5	Undecane	156	C11H24	001120-21-4	59





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Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

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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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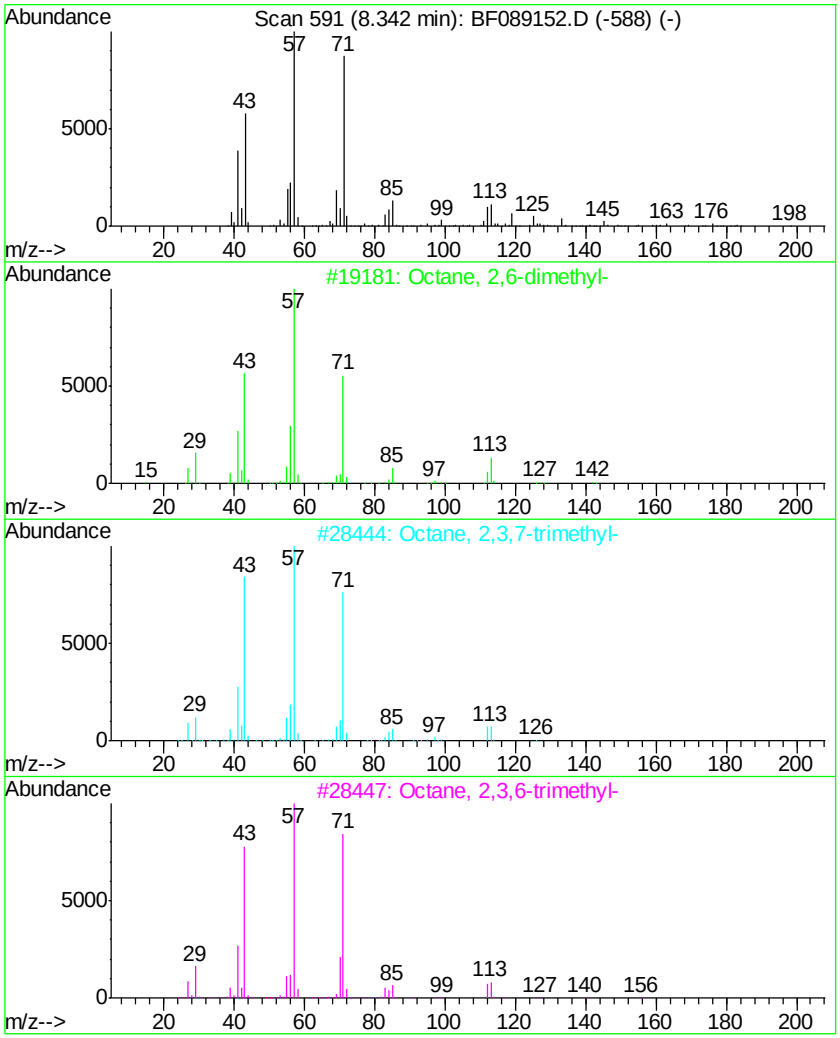
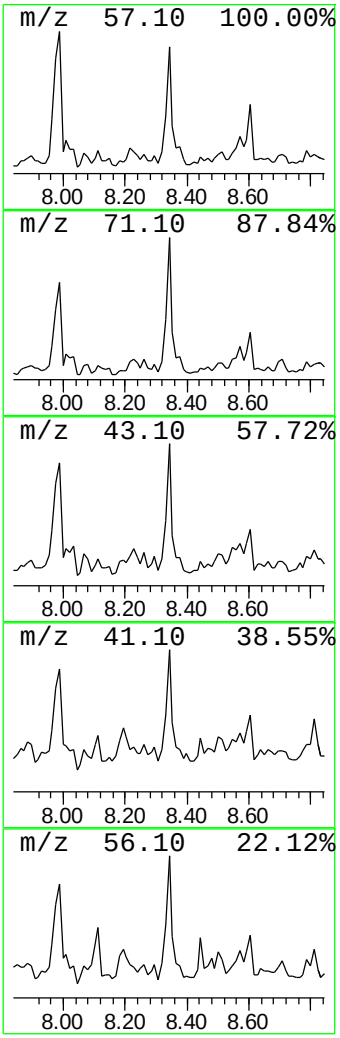
Peak Number 14 Octane, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	24.96 ng	3453990	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	72
3	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	72
4	Heptane, 3-[(ethenyloxy)methyl]-	156	C10H20O	000103-44-6	64
5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64





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ClientSampleId : KSB-05-12.0-14.0

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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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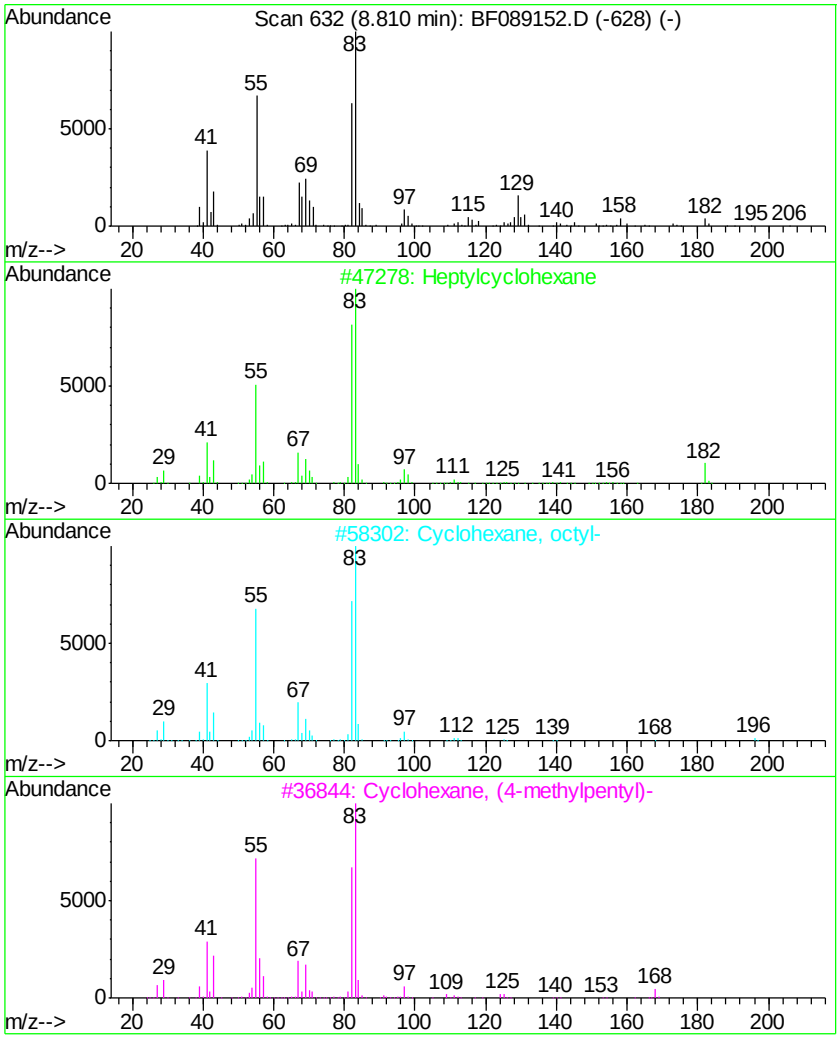
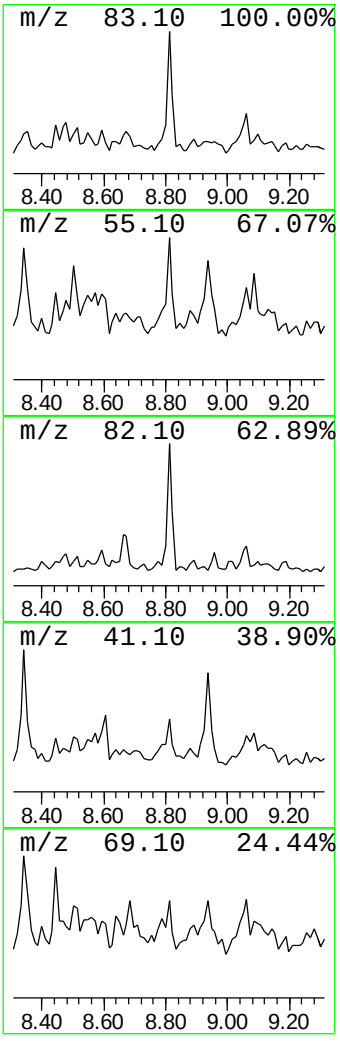
Peak Number 15 Heptylcyclohexane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	25.26 ng	1527020	Acenaphthene-d10	9.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	76
2	Cyclohexane, octyl-	196	C14H28	001795-15-9	64
3	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	59
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	59
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	59





Library Search Compound Report

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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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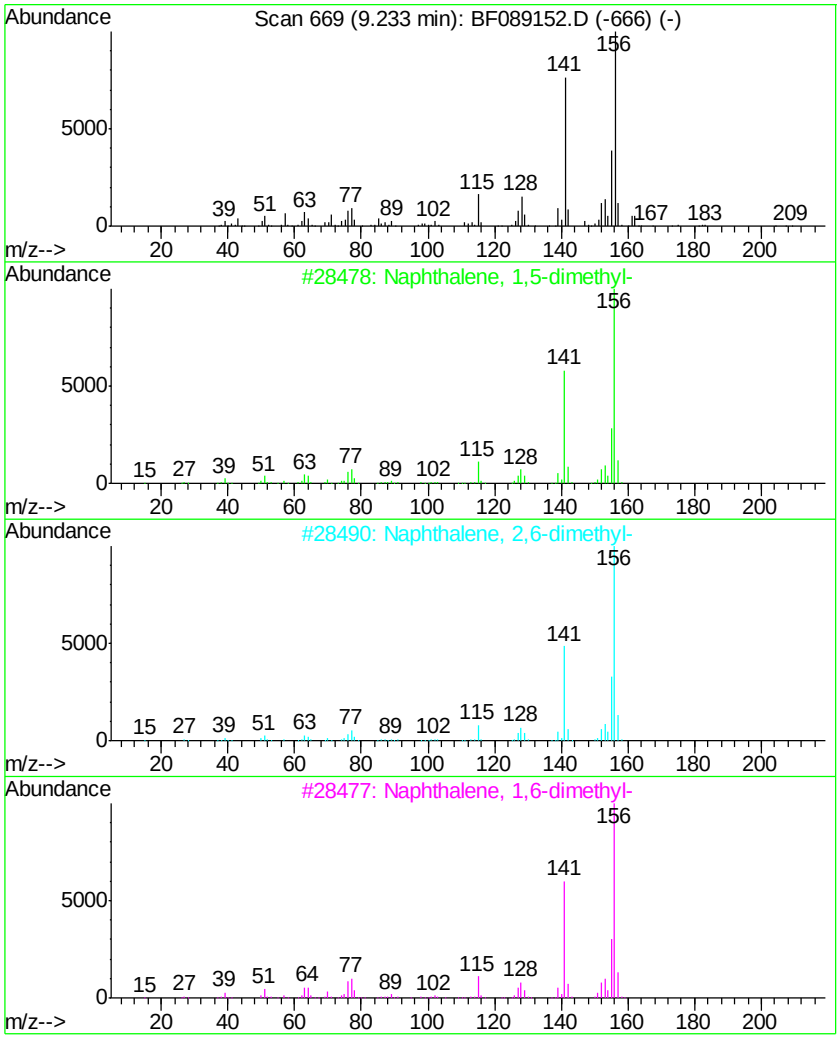
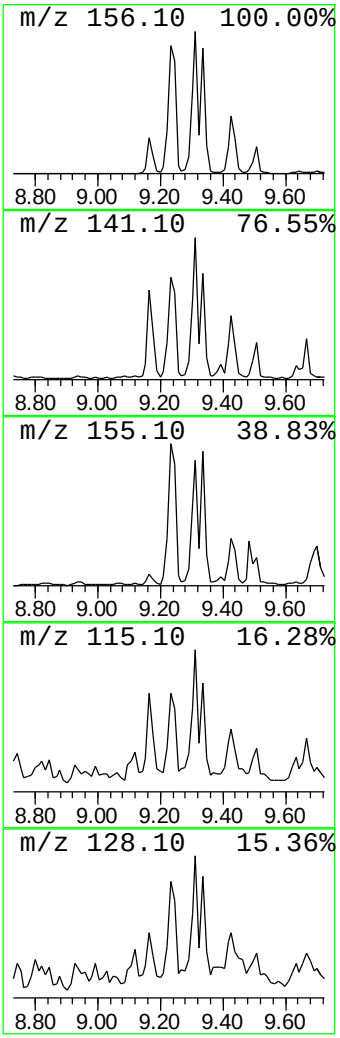
Peak Number 16 Naphthalene, 1,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	32.92 ng	1990040	Acenaphthene-d10	9.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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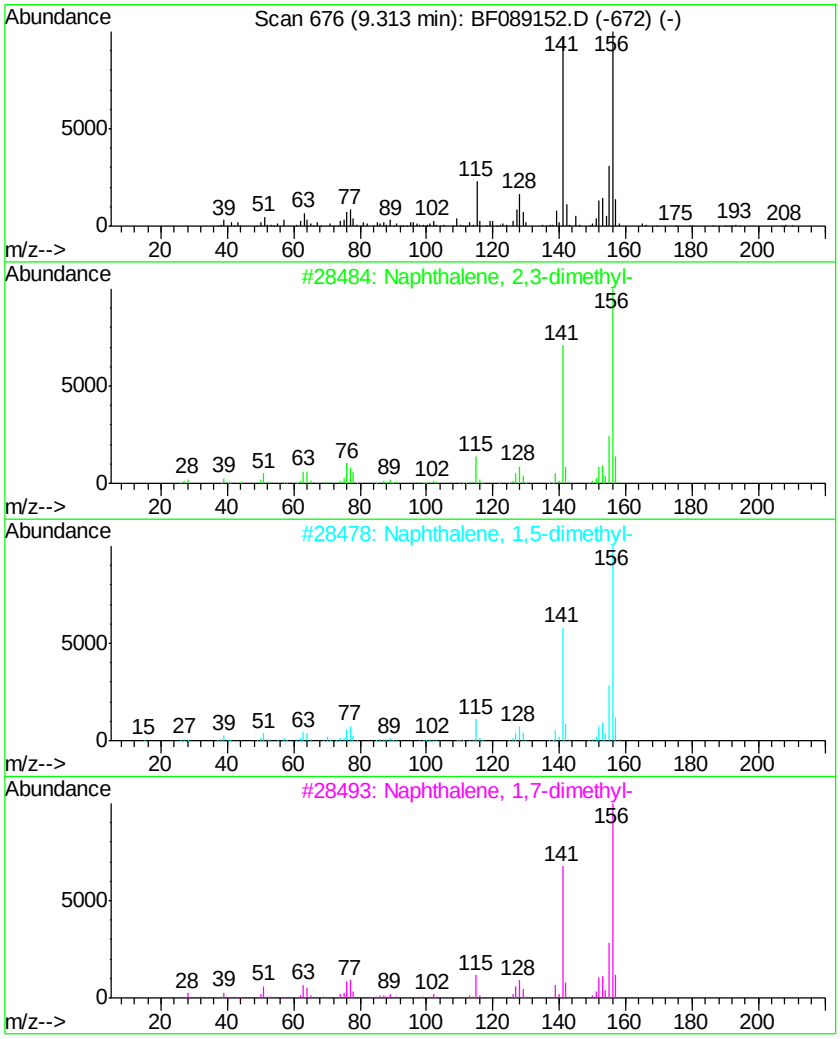
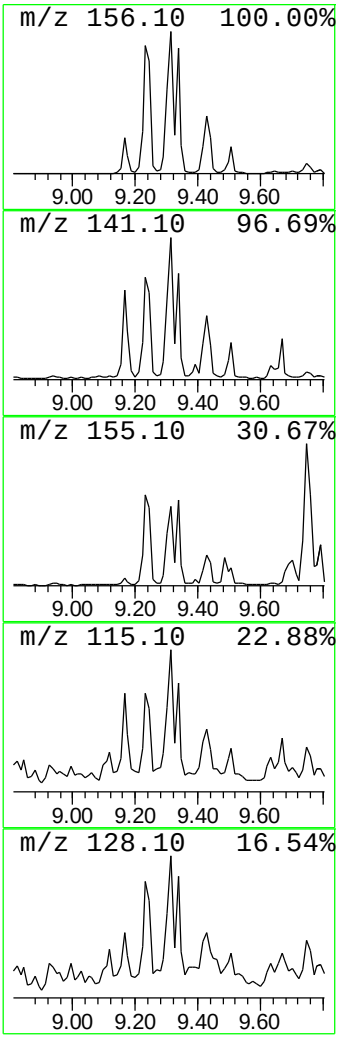
Peak Number 17 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.31	38.01 ng	2297690	Acenaphthene-d10	9.64

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, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





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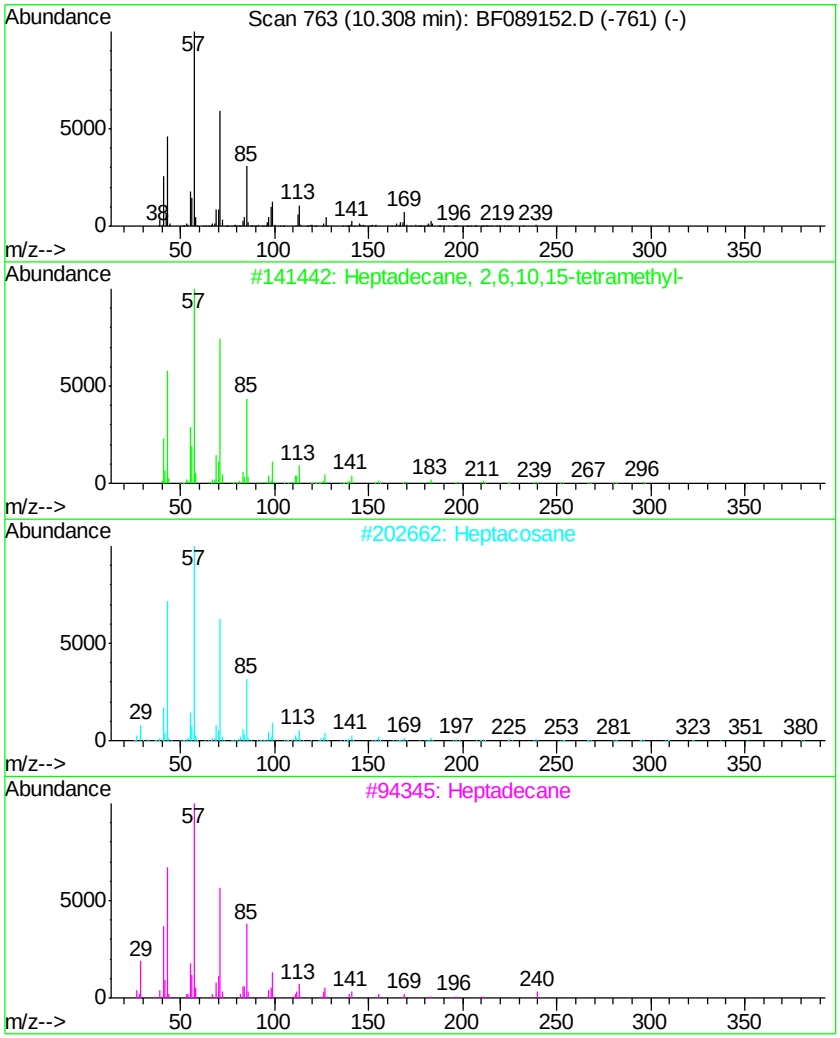
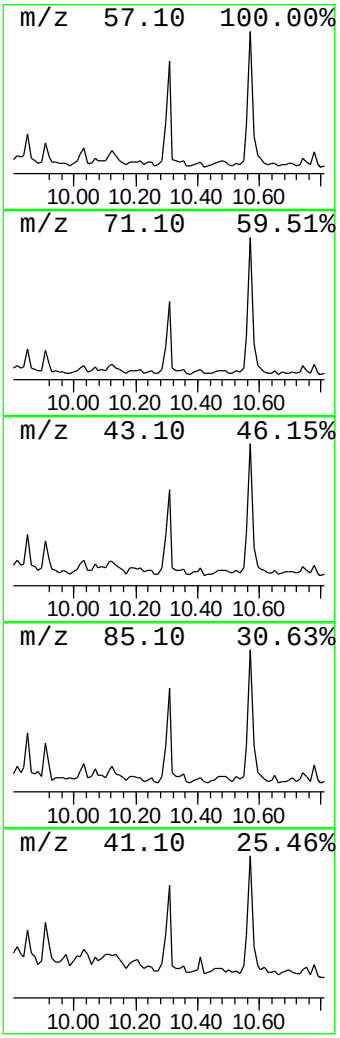
Peak Number 18 Heptadecane, 2,6,10,15-tetr... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	17.00 ng	1027640	Acenaphthene-d10	9.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
2	Heptacosane	380	C27H56	000593-49-7	80
3	Heptadecane	240	C17H36	000629-78-7	78
4	Hexadecane	226	C16H34	000544-76-3	74
5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	72





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089152.D
Acq On : 21 Jul 2016 1:22
Operator : UM/SJ
Sample : H4112-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

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

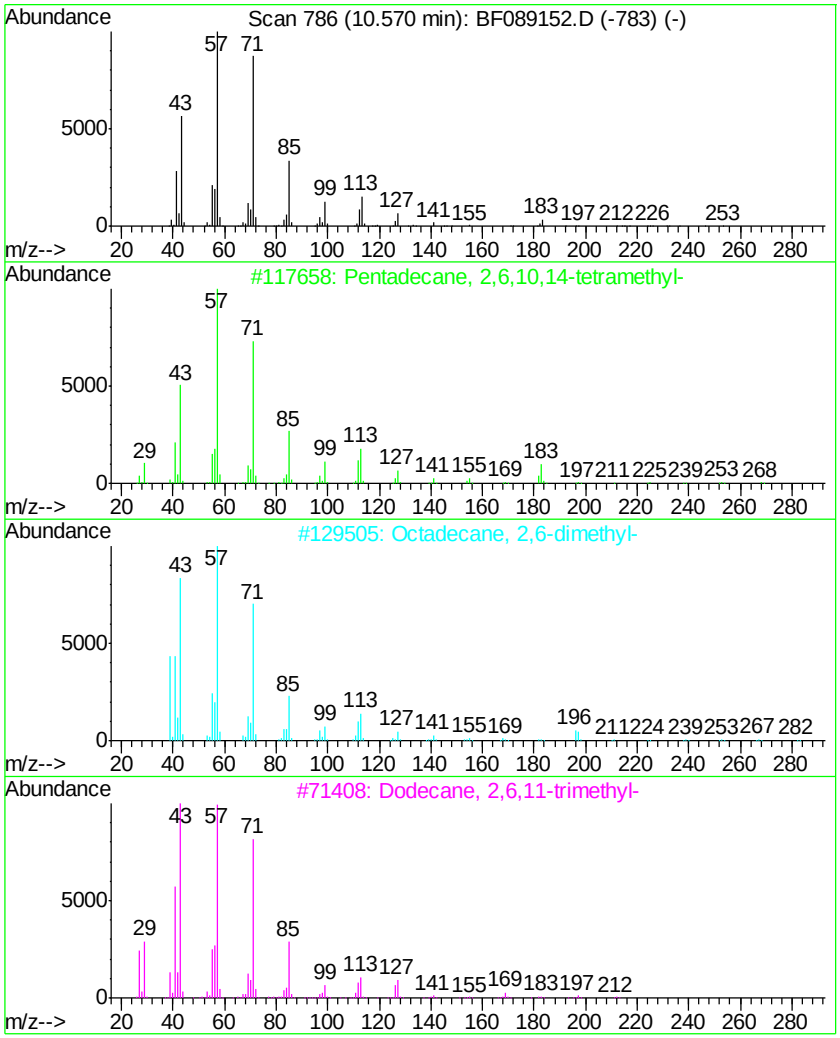
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

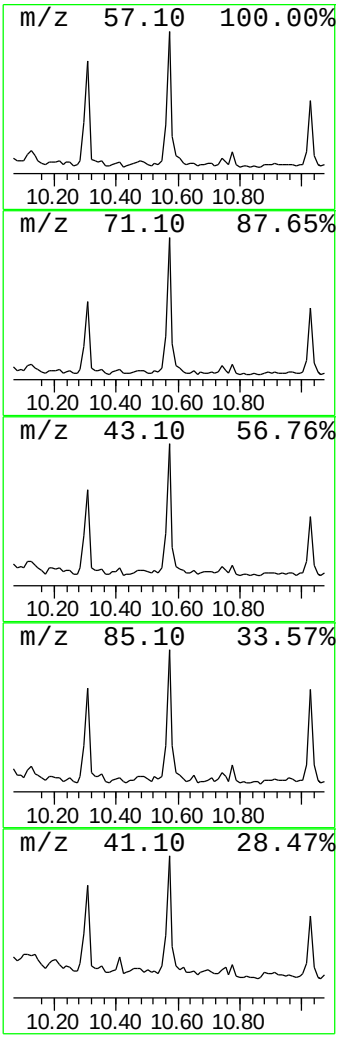
****

Peak Number 19 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	76.50 ng	1634360	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
2	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	83
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	81
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	81
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	80





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089152.D
Acq On : 21 Jul 2016 1:22
Operator : UM/SJ
Sample : H4112-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

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

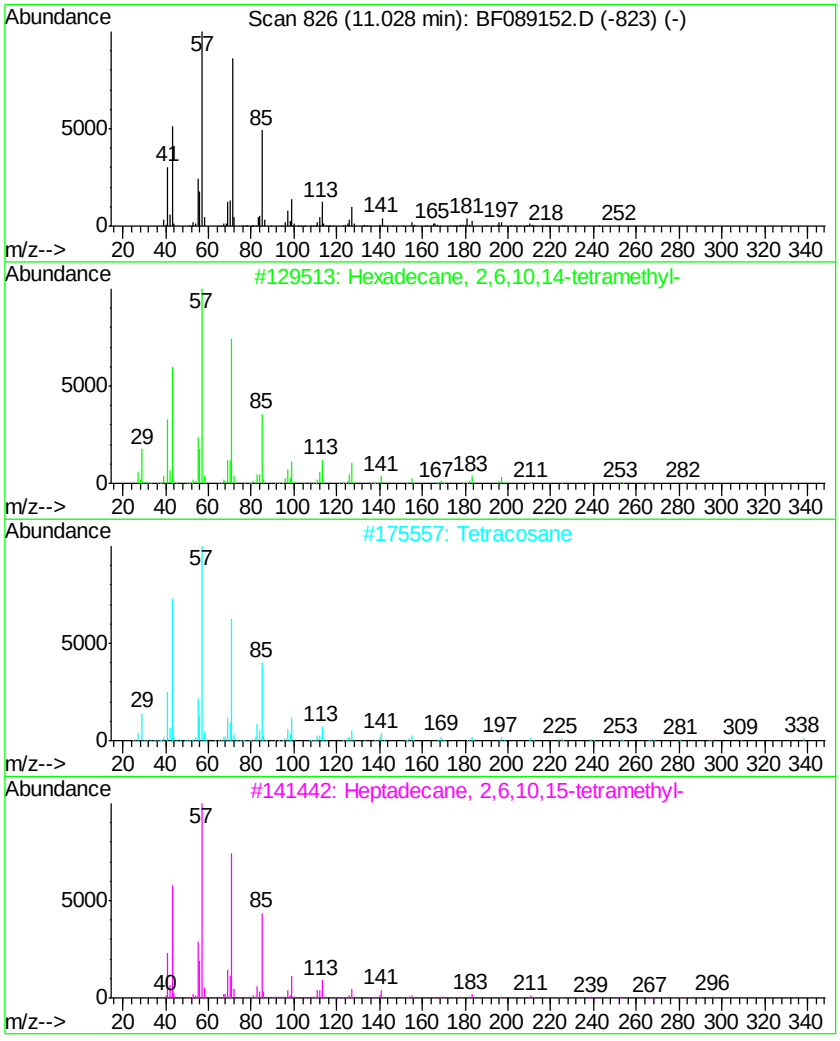
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

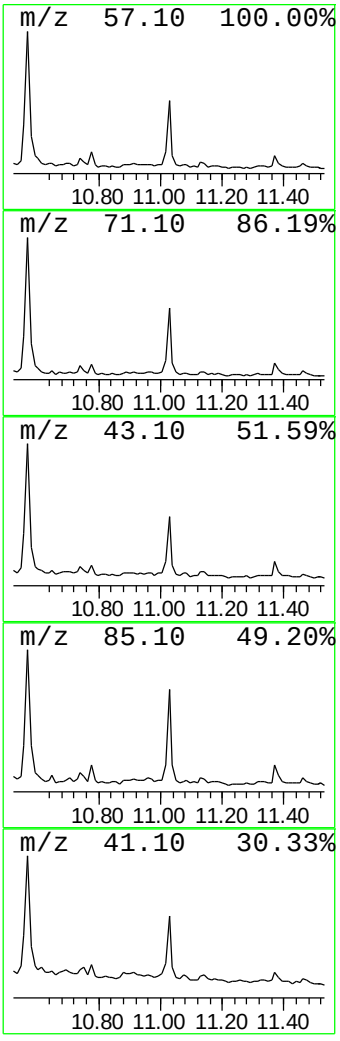
****

Peak Number 20 Hexadecane, 2,6,10,14-tetra... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	48.92 ng	1045210	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
4	Eicosane	282	C20H42	000112-95-8	86
5	Heptadecane, 4-methyl-	254	C18H38	026429-11-8	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
Data File : BF089152.D
Acq On : 21 Jul 2016 1:22
Operator : UM/SJ
Sample : H4112-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KSB-05-12.0-14.0

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
Nonane, 3-methyl-	5.84	23.2	ng	454975	1	6.60	392704	20.0
Nonane, 4-methyl-	6.10	25.9	ng	508563	1	6.60	392704	20.0
Benzene, 1-ethyl-...	6.15	17.0	ng	333339	1	6.60	392704	20.0
Cyclohexane, 1-me...	6.34	17.1	ng	336833	1	6.60	392704	20.0
unknown6.38	6.38	70.4	ng	1382850	1	6.60	392704	20.0
Benzene, 1,2,3-tr...	6.43	49.9	ng	980024	1	6.60	392704	20.0
p-Cymene	6.68	27.8	ng	545191	1	6.60	392704	20.0
unknown6.87	6.87	60.8	ng	1194090	1	6.60	392704	20.0
unknown6.94	6.94	25.4	ng	497695	1	6.60	392704	20.0
o-Cymene	7.11	39.5	ng	775962	1	6.60	392704	20.0
Dodecane, 6-methyl-	7.99	19.0	ng	2626150	2	7.90	2767270	20.0
Octane, 2,6-dimet...	8.34	25.0	ng	3453990	2	7.90	2767270	20.0
Heptylcyclohexane	8.81	25.3	ng	1527020	3	9.64	1209010	20.0
Naphthalene, 1,5-...	9.23	32.9	ng	1990040	3	9.64	1209010	20.0
Naphthalene, 2,3-...	9.31	38.0	ng	2297690	3	9.64	1209010	20.0
Heptadecane, 2,6,...	10.31	17.0	ng	1027640	3	9.64	1209010	20.0
Pentadecane, 2,6,...	10.57	76.5	ng	1634360	4	11.11	427309	20.0
Hexadecane, 2,6,1...	11.03	48.9	ng	1045210	4	11.11	427309	20.0