LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083389.D
Acq On : 1 Dec 2015 23:29
Operator : UM/IZ
Sample : G4527-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2(4-6)

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	2.373	56	60	65	rVB2	96984	229502	4.10%	0.357%
2	2.590	70	79	84	rVB2	98616	298987	5.34%	0.465%
3	2.761	85	94	98	rBV	199777	429876	7.68%	0.668%
4	2.898	98	106	112	rBV	186908	442498	7.90%	0.688%
5	3.218	131	134	138	rVB	36628	80024	1.43%	0.124%
6	3.538	154	162	168	rVB	73221	189969	3.39%	0.295%
7	3.984	194	201	206	rBV2	92048	210414	3.76%	0.327%
8	4.167	214	217	219	rBV3	42163	75517	1.35%	0.117%
9	4.224	219	222	224	rVB	61977	109107	1.95%	0.170%
10	4.441	239	241	243	rVB	87912	121195	2.16%	0.188%
11	4.499	243	246	247	rBV3	62708	104768	1.87%	0.163%
12	4.567	250	252	256	rVB	333114	442851	7.91%	0.689%
13	4.659	257	260	268	rVV	1663725	3399837	60.72%	5.286%
14	4.761	268	269	273	rVB3	58412	89043	1.59%	0.138%
15	4.864	276	278	280	rBV2	73650	118860	2.12%	0.185%
16	4.910	280	282	284	rBV3	67143	129068	2.31%	0.201%
17	5.024	287	292	294	rBV3	54427	144828	2.59%	0.225%
18	5.093	294	298	300	rBV3	106100	289494	5.17%	0.450%
19	5.139	300	302	308	rBV	4175089	4715155	84.21%	7.332%
20	5.230	308	310	311	rBV2	110733	138505	2.47%	0.215%
21	5.264	311	313	314	rVB	84655	111123	1.98%	0.173%
22	5.356	318	321	322	rBV2	113336	189395	3.38%	0.294%
23	5.379	322	323	326	rVB	142802	169609	3.03%	0.264%
24	5.436	326	328	331	rVB	116707	141178	2.52%	0.220%
25	5.527	331	336	338	rBV2	334823	526019	9.39%	0.818%
26	5.584	338	341	343	rBV2	160438	265365	4.74%	0.413%
27	5.630	343	345	347	rVB2	74434	84040	1.50%	0.131%
28	5.676	347	349	351	rBV2	127374	238448	4.26%	0.371%
29	5.744	351	355	357	rBV	315327	526046	9.40%	0.818%
30	5.802	357	360	362	rVB2	109238	166472	2.97%	0.259%
31	5.836	362	363	366	rBV2	155225	233913	4.18%	0.364%
32	5.893	366	368	372	rVB2	152955	345416	6.17%	0.537%
33	5.984	372	376	379	rBV2	141503	379322	6.77%	0.590%
34	6.042	379	381	382	rBV	483458	469968	8.39%	0.731%

LSC Area Percent Report

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Data File : BF083389.D
Acq On : 1 Dec 2015 23:29
Operator : UM/IZ
Sample : G4527-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2(4-6)

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	6.224	394	397	399	rBV	3408685	4980366	88.95%	7.744%
36	6.316	403	405	408	rBV	3340746	4866875	86.92%	7.568%
37	6.373	408	410	411	rVB	161847	124335	2.22%	0.193%
38	6.396	411	412	416	rVB	110798	188615	3.37%	0.293%
39	6.487	418	420	423	rBV3	154620	260438	4.65%	0.405%
40	6.544	423	425	427	rBV	1108724	1066834	19.05%	1.659%
41	6.624	430	432	434	rBV3	71535	146945	2.62%	0.228%
42	6.704	436	439	444	rVB	4295466	4516862	80.67%	7.023%
43	6.796	444	447	449	rBV3	95597	255279	4.56%	0.397%
44	6.842	449	451	453	rVV	195252	226250	4.04%	0.352%
45	6.876	453	454	456	rVV	104248	108117	1.93%	0.168%
46	6.910	456	457	459	rVB	102096	90374	1.61%	0.141%
47	7.002	464	465	470	rVB3	92238	137857	2.46%	0.214%
48	7.116	472	475	478	rBV	2483350	3148725	56.24%	4.896%
49	7.207	481	483	486	rVB3	91105	121333	2.17%	0.189%
50	7.265	486	488	491	rBV3	163294	364617	6.51%	0.567%
51	7.333	491	494	495	rVB2	154263	204639	3.65%	0.318%
52	7.356	495	496	499	rVB2	219928	268359	4.79%	0.417%
53	7.413	499	501	503	rVB2	154994	187121	3.34%	0.291%
54	7.470	503	506	507	rBV2	119287	197122	3.52%	0.307%
55	7.505	507	509	510	rBV2	54319	73500	1.31%	0.114%
56	7.607	516	518	521	rVB3	47260	112719	2.01%	0.175%
57	7.676	521	524	526	rVB3	63142	83447	1.49%	0.130%
58	7.836	535	538	540	rBV	1528790	1510268	26.97%	2.348%
59	7.870	540	541	544	rVV3	133910	153140	2.74%	0.238%
60	7.927	544	546	549	rVV	152768	219950	3.93%	0.342%
61	8.202	568	570	574	rVB4	47069	101196	1.81%	0.157%
62	8.282	575	577	578	rVV	74127	77845	1.39%	0.121%
63	8.305	578	579	583	rVB2	81329	96622	1.73%	0.150%
64	8.648	606	609	614	rVB4	40363	90680	1.62%	0.141%
65	8.922	630	633	635	rBV	4671104	5599173	100.00%	8.706%
66	9.322	666	668	670	rBV	1141953	1056555	18.87%	1.643%
67	9.539	685	687	689	rBV	130078	136653	2.44%	0.212%
68	9.585	689	691	693	rVB	1486067	1518018	27.11%	2.360%
69	10.042	729	731	732	rVB	234375	209072	3.73%	0.325%
70	10.259	747	750	753	rBV	84604	132680	2.37%	0.206%
71	10.373	757	760	762	rVB	2322111	2413653	43.11%	3.753%

LSC Area Percent Report

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Operator : UM/IZ
Sample : G4527-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2(4-6)

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

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

72	10.522	771	773	777	rBV	207952	334532	5.97%	0.520%
73	10.728	789	791	793	rBV	45419	75038	1.34%	0.117%
74	11.013	814	816	817	rBV	133553	128110	2.29%	0.199%
75	11.128	823	826	828	rBV	1039371	1504782	26.88%	2.340%
76	11.836	885	888	892	rBV	391272	683286	12.20%	1.062%
77	12.054	905	907	911	rBV2	48538	92866	1.66%	0.144%
78	12.911	979	982	984	rBV2	140067	244538	4.37%	0.380%
79	12.957	984	986	989	rVV2	63594	123701	2.21%	0.192%
80	13.037	990	993	996	rVB	693808	797036	14.23%	1.239%
81	13.151	1001	1003	1006	rVV	138098	163143	2.91%	0.254%
82	13.219	1006	1009	1012	rVB	3667441	4849609	86.61%	7.541%
83	14.099	1083	1086	1089	rBV	459384	584700	10.44%	0.909%
84	14.168	1090	1092	1094	rVV	62171	97320	1.74%	0.151%
85	14.214	1094	1096	1099	rVV2	58028	81883	1.46%	0.127%
86	14.317	1103	1105	1111	rVB	58835	111615	1.99%	0.174%
87	14.660	1132	1135	1140	rBV2	197588	522425	9.33%	0.812%
88	14.740	1140	1142	1145	rVB	790761	1185500	21.17%	1.843%
89	15.185	1178	1181	1188	rBV	100313	143059	2.56%	0.222%
90	15.677	1221	1224	1230	rBV	94141	136269	2.43%	0.212%
91	16.145	1262	1265	1268	rBV	68640	104221	1.86%	0.162%
92	16.614	1302	1306	1309	rBV	53750	93286	1.67%	0.145%
93	16.808	1320	1323	1328	rBV	638144	938346	16.76%	1.459%
94	17.060	1341	1345	1348	rBV	49589	81677	1.46%	0.127%
95	17.494	1380	1383	1386	rBV	52852	103524	1.85%	0.161%
96	17.940	1418	1422	1429	rBV2	56118	122755	2.19%	0.191%
97	18.443	1462	1466	1472	rVB	44340	99911	1.78%	0.155%
98	18.751	1489	1493	1497	rBV4	32391	81234	1.45%	0.126%
99	18.843	1497	1501	1509	rVV5	25953	82501	1.47%	0.128%
100	19.026	1513	1517	1523	rBV	35302	93924	1.68%	0.146%

Sum of corrected areas: 64312837

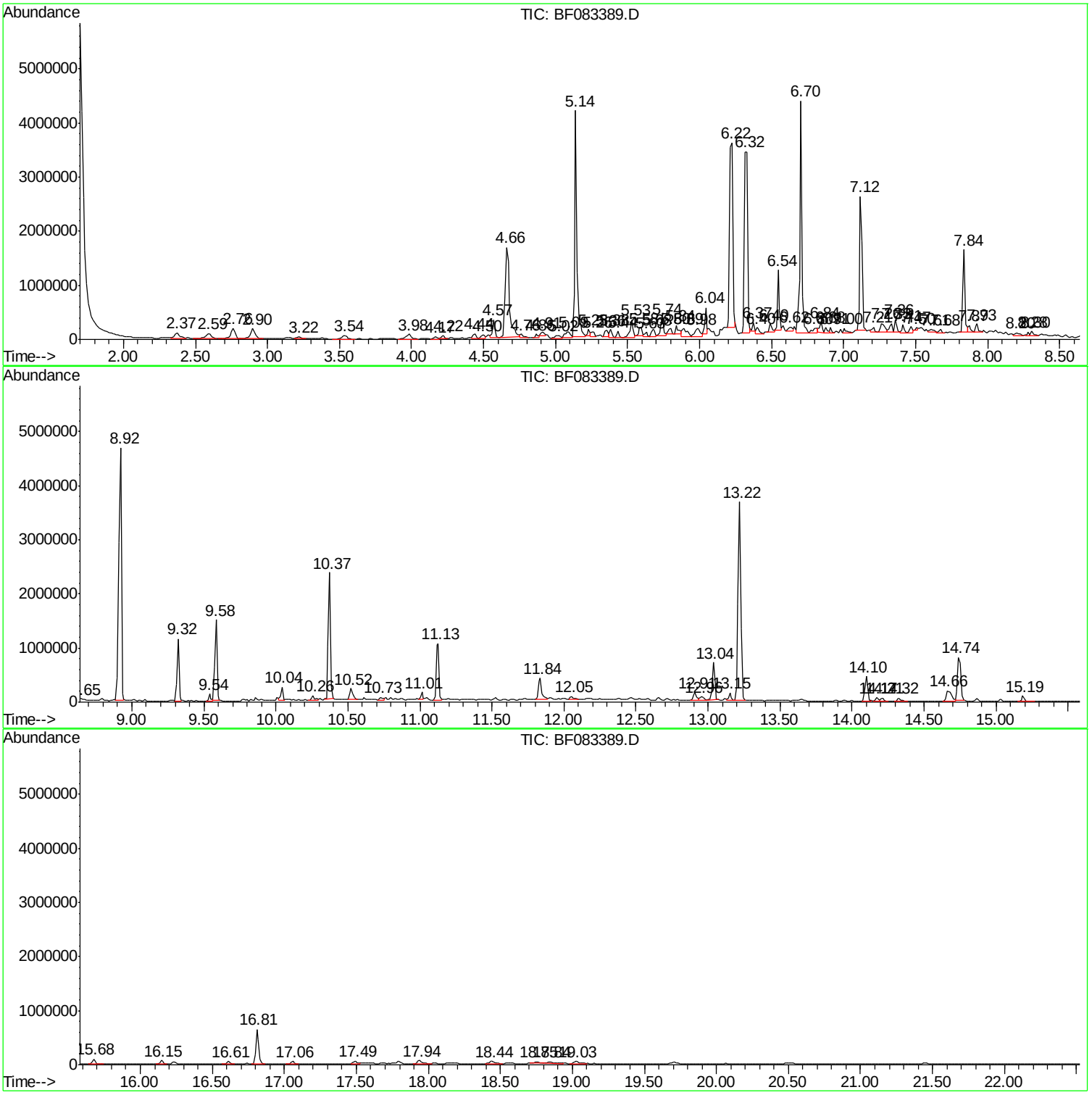
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083389.D
Acq On : 1 Dec 2015 23:29
Operator : UM/IZ
Sample : G4527-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2(4-6)

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 : BF083389.D
Acq On : 1 Dec 2015 23:29
Operator : UM/IZ
Sample : G4527-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2(4-6)

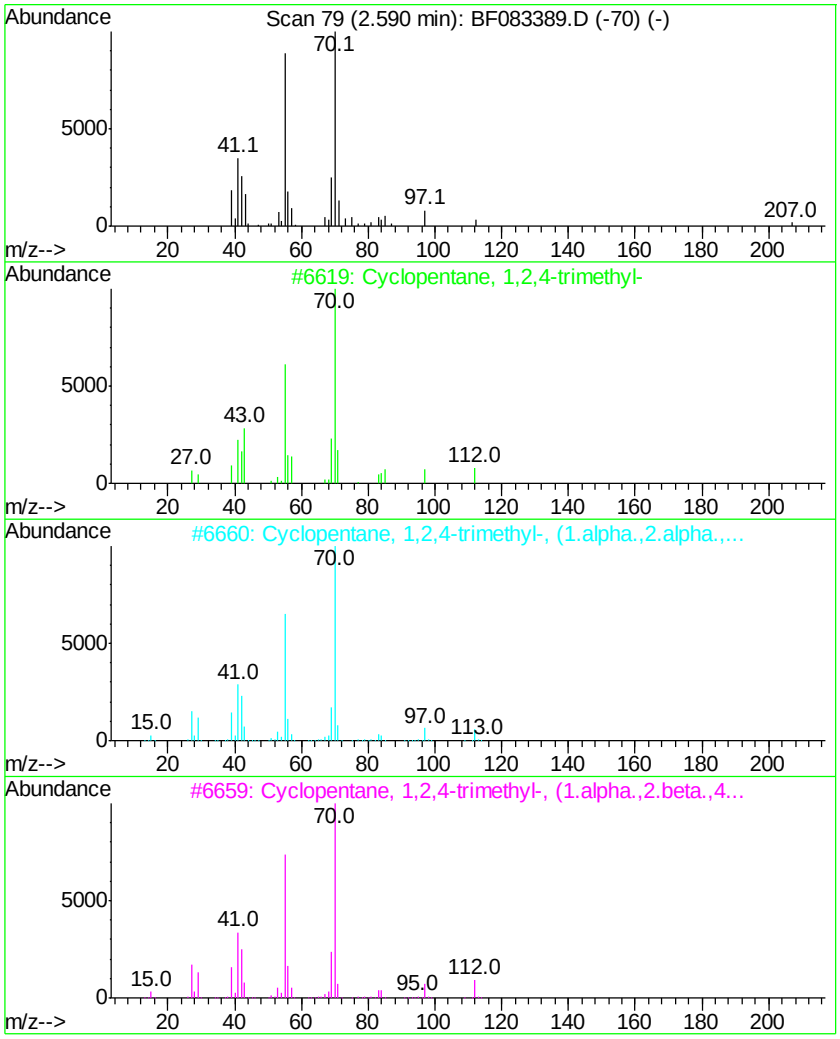
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

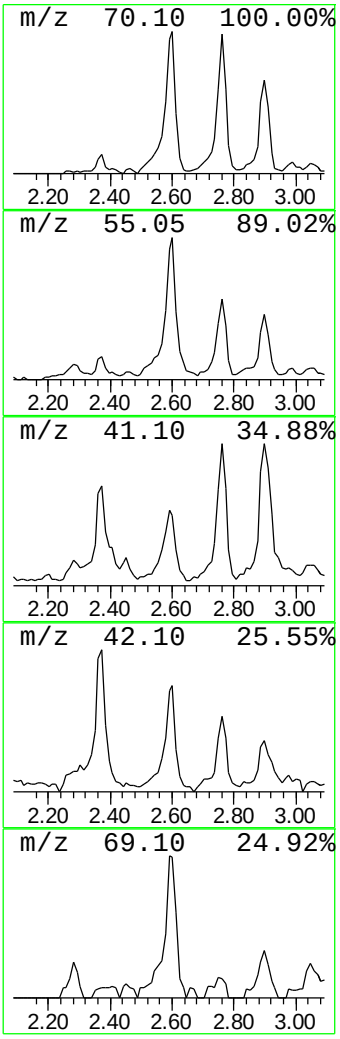
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclopentane, 1,2,4-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	5.61 ng	298987	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	78
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	78
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	78
4	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	64
5	3,3-Dimethyl-1,2-epoxybutane	100	C6H12O	002245-30-9	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083389.D
Acq On : 1 Dec 2015 23:29
Operator : UM/IZ
Sample : G4527-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2(4-6)

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

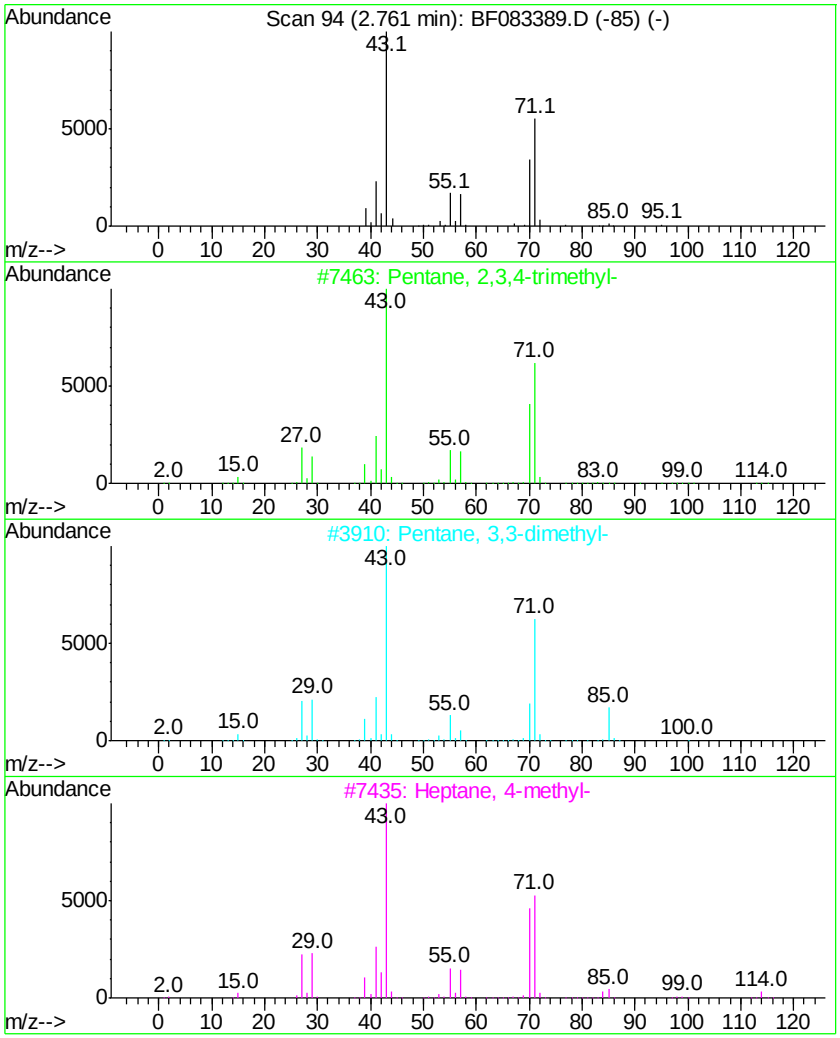
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

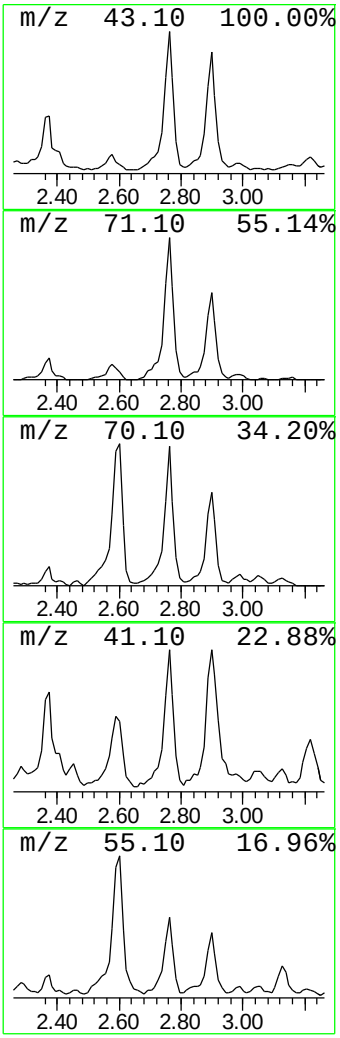
****

Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.76	8.06 ng	429876	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	64
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	50
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	45





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Data File : BF083389.D
Acq On : 1 Dec 2015 23:29
Operator : UM/IZ
Sample : G4527-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2(4-6)

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

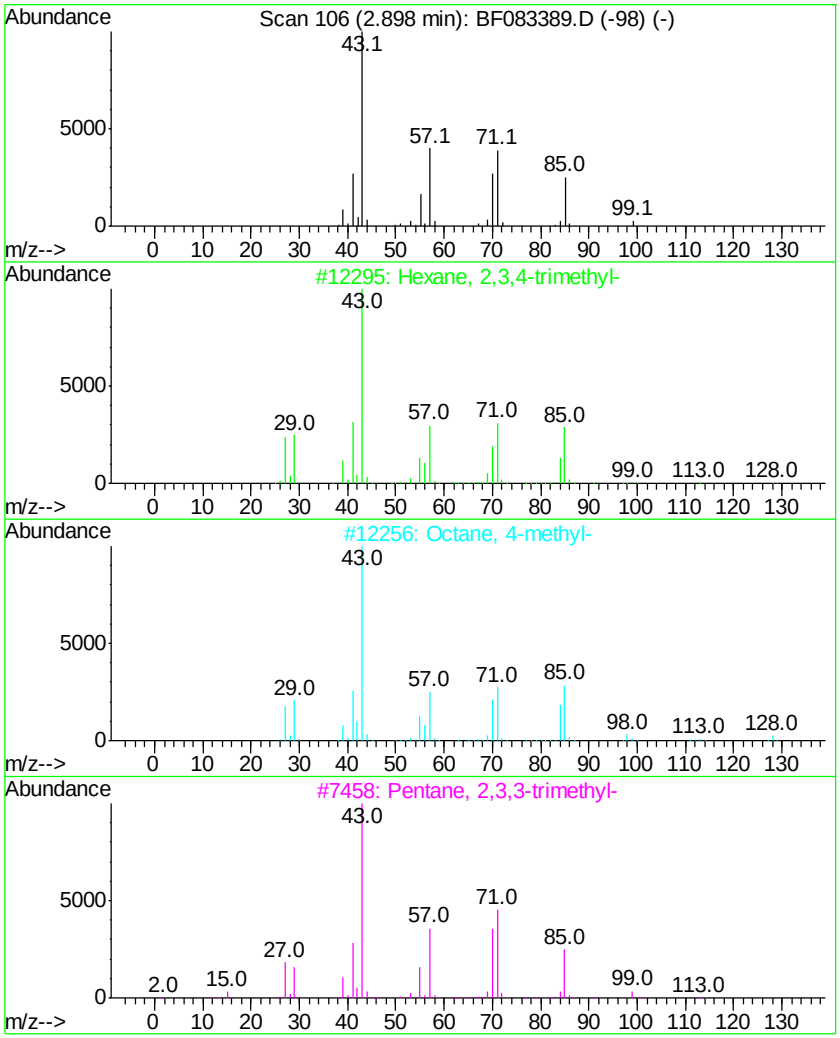
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

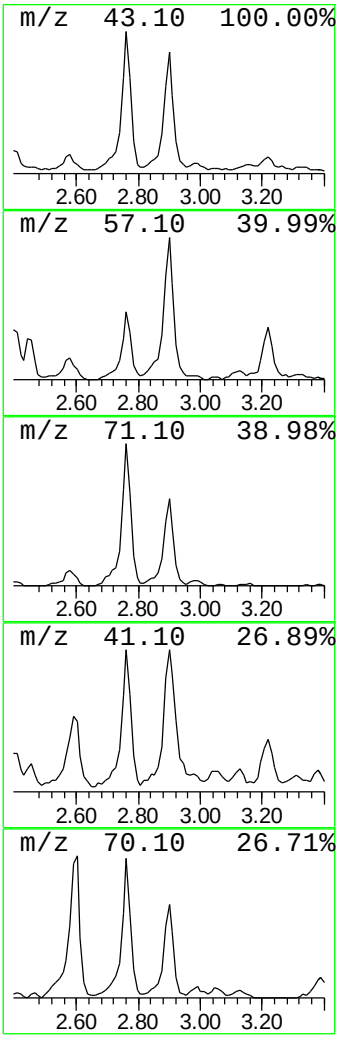
****

Peak Number 3 Hexane, 2,3,4-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.90	8.30 ng	442498	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	83
2	Octane, 4-methyl-	128	C9H20	002216-34-4	78
3	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	59
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	56
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083389.D
Acq On : 1 Dec 2015 23:29
Operator : UM/IZ
Sample : G4527-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2(4-6)

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

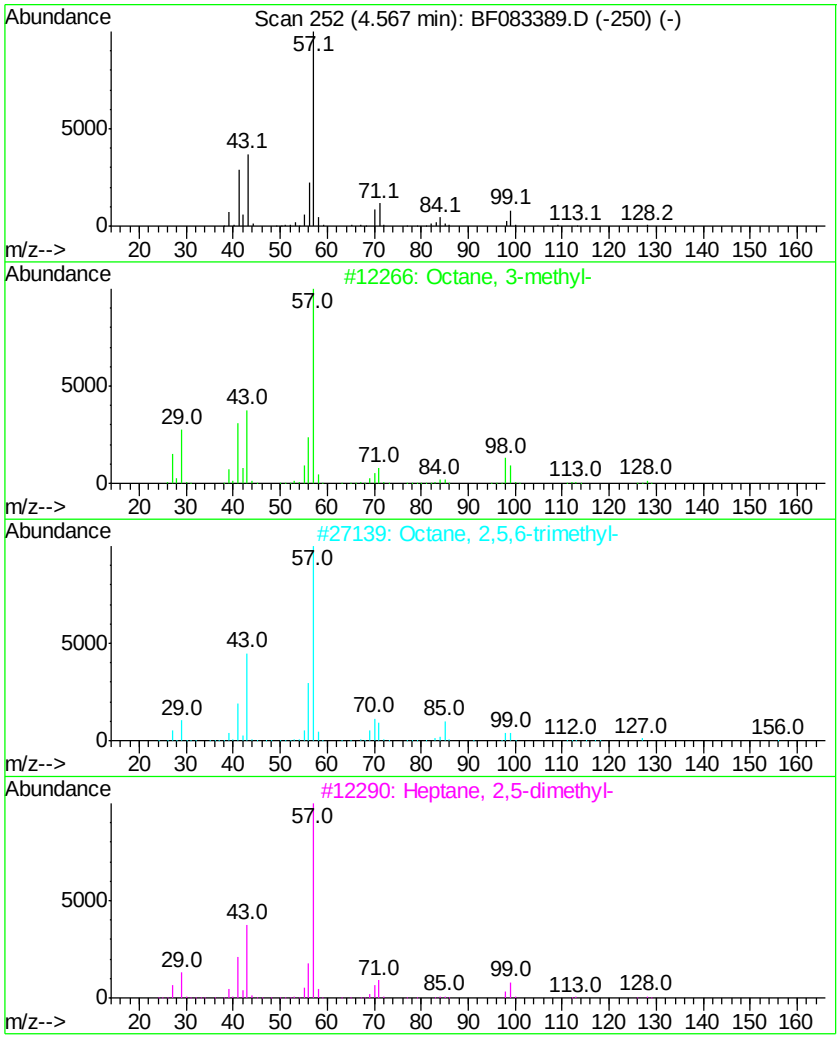
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

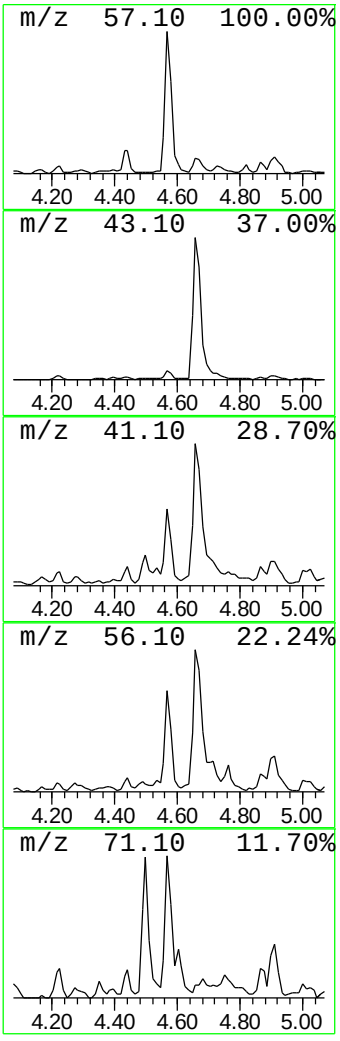
****

Peak Number 4 Octane, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	8.30 ng	442851	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	78
2	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	78
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
4	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64
5	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	59





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Acq On : 1 Dec 2015 23:29
Operator : UM/IZ
Sample : G4527-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2(4-6)

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

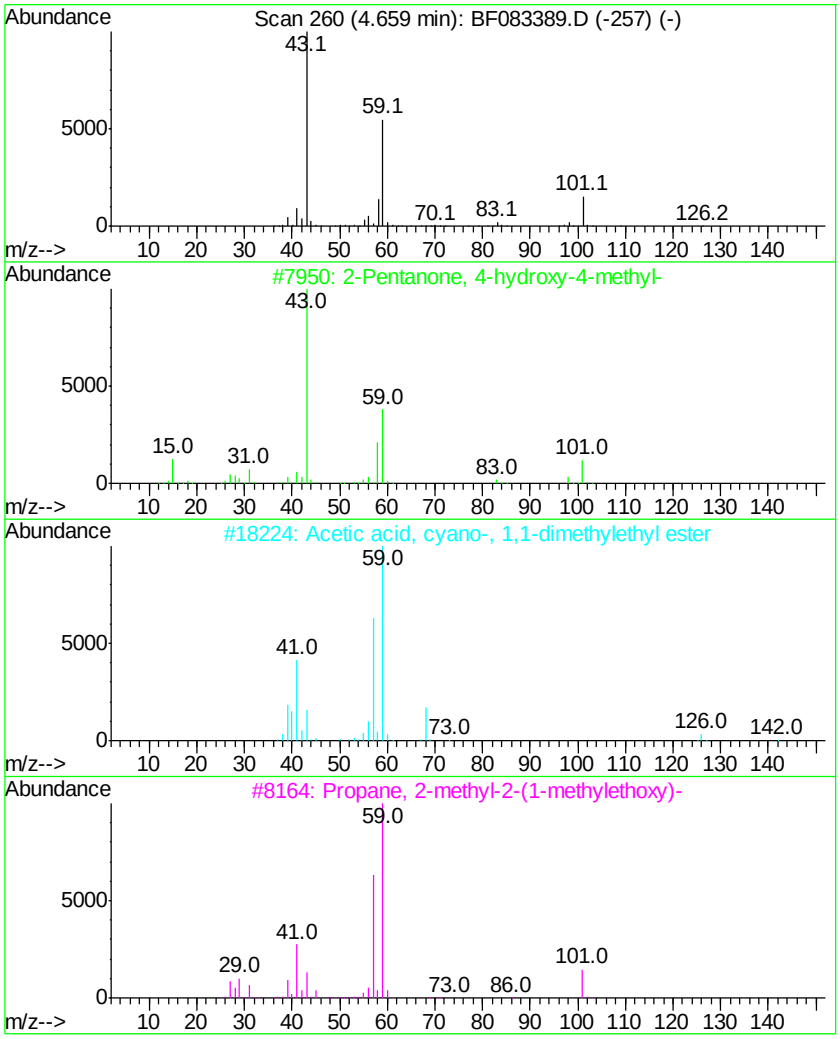
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

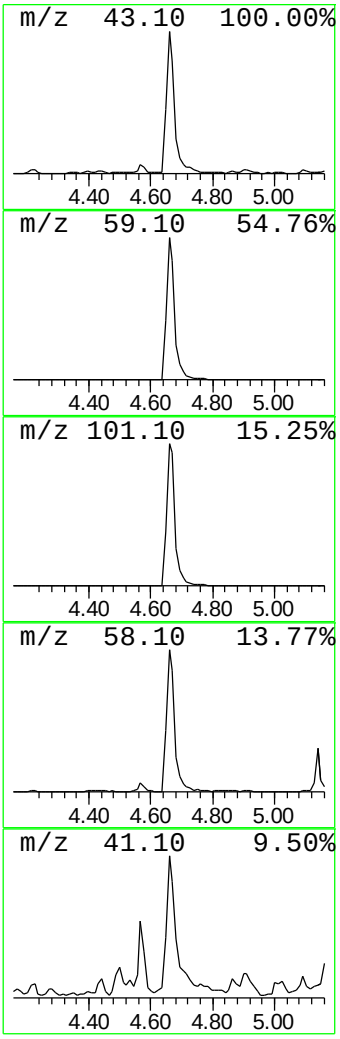
****

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.66	63.74 ng	3399840	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	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083389.D
Acq On : 1 Dec 2015 23:29
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Sample : G4527-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2(4-6)

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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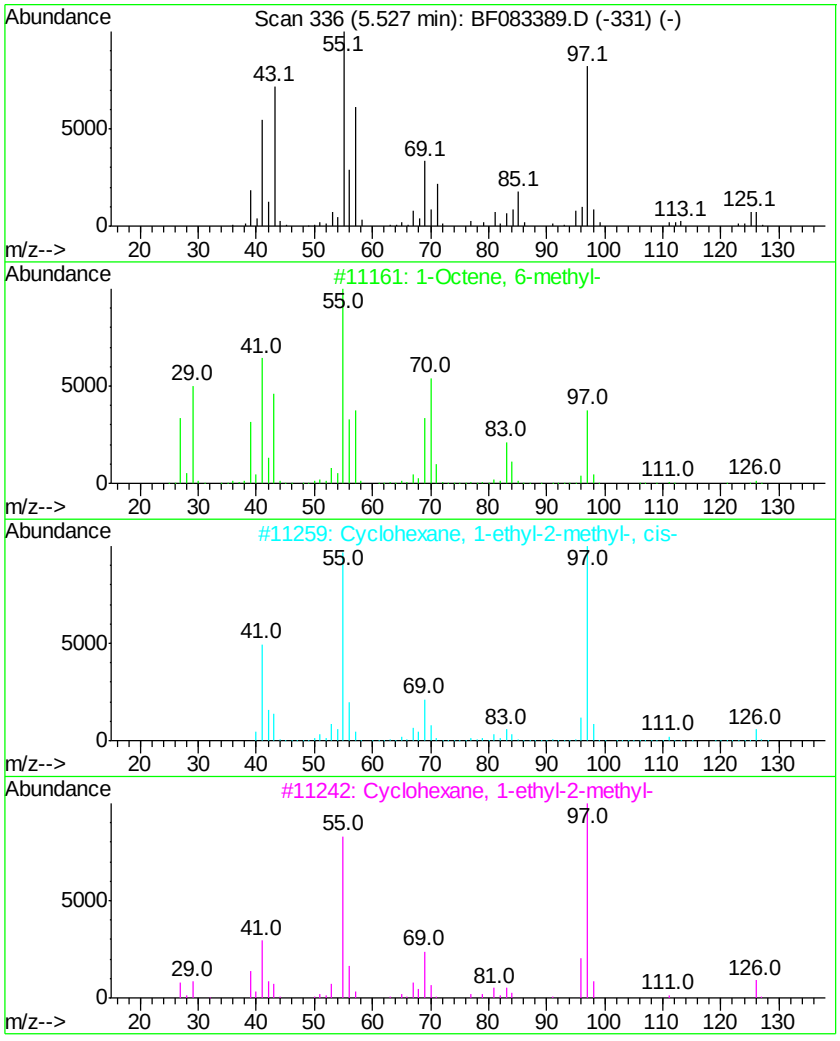
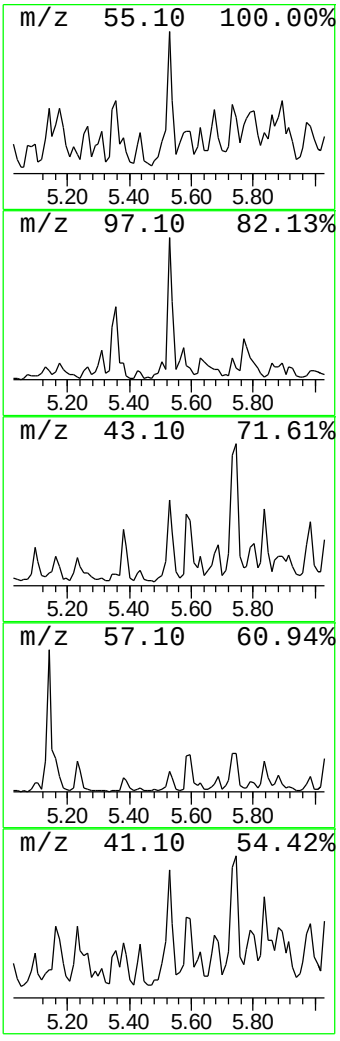
Peak Number 6 1-Octene, 6-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	9.86 ng	526019	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octene, 6-methyl-	126	C9H18	013151-10-5	72
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	70
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	50





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Sample : G4527-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2(4-6)

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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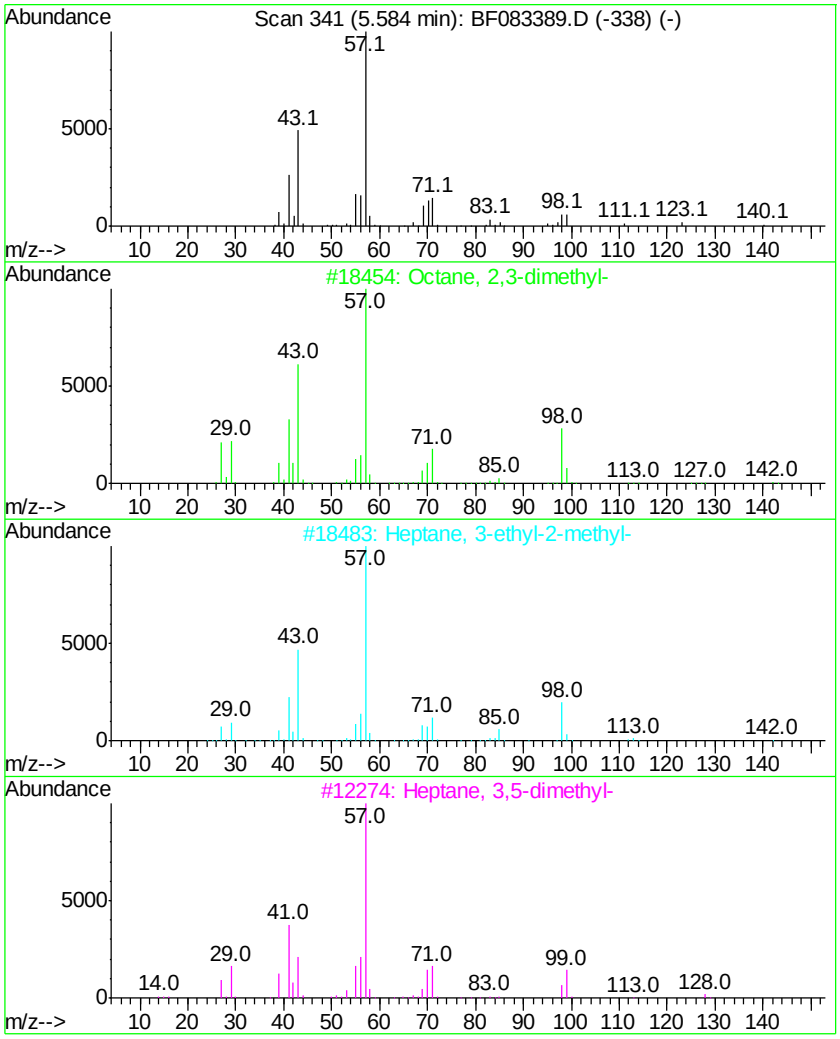
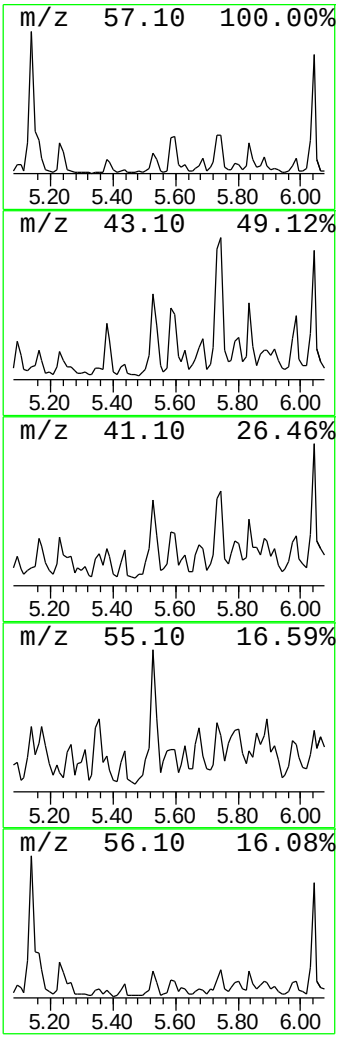
Peak Number 7 Octane, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	4.97 ng	265365	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64
4	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	64
5	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	64





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Instrument : BNA_F
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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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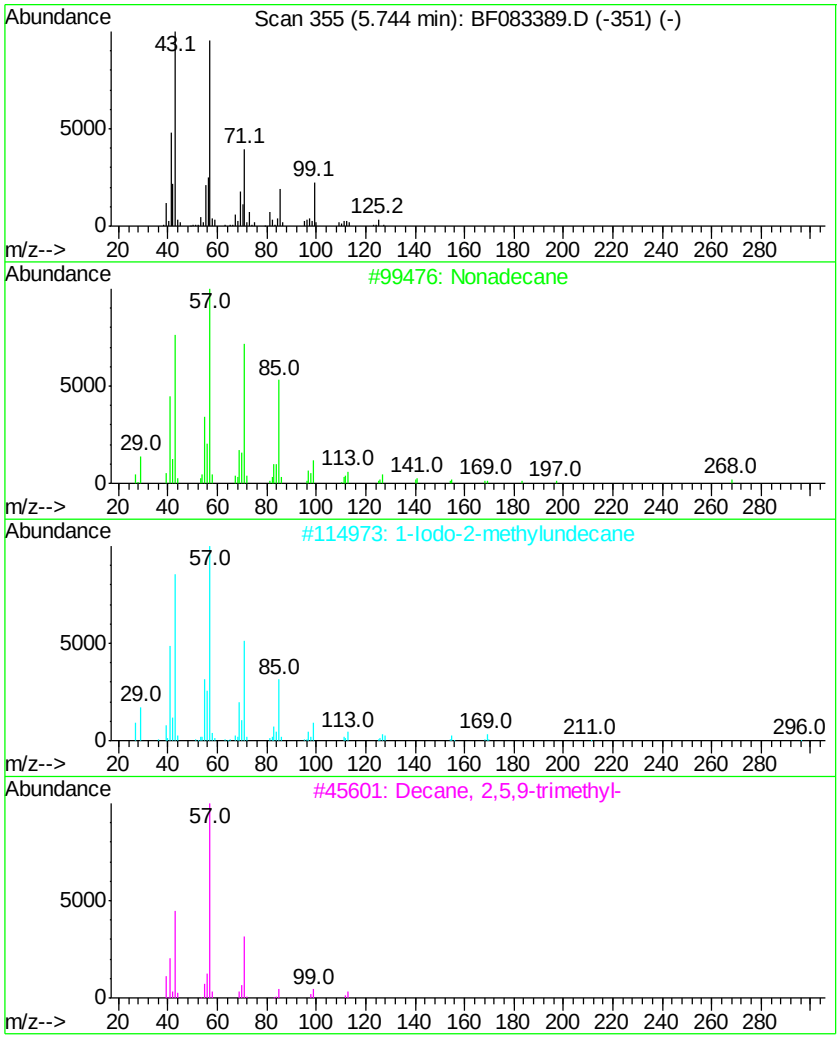
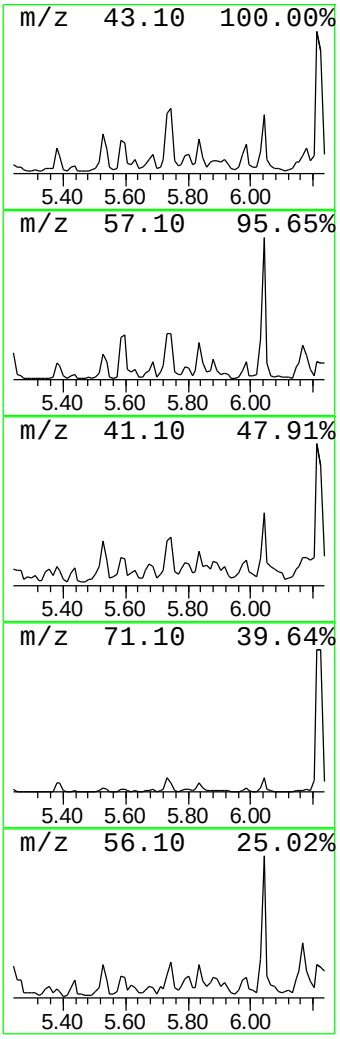
Peak Number 8 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.74	9.86 ng	526046	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	64
2	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	64
3	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	59
4	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	53
5	Dotriacontane	451	C32H66	000544-85-4	53





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ClientSampleId : TP2(4-6)

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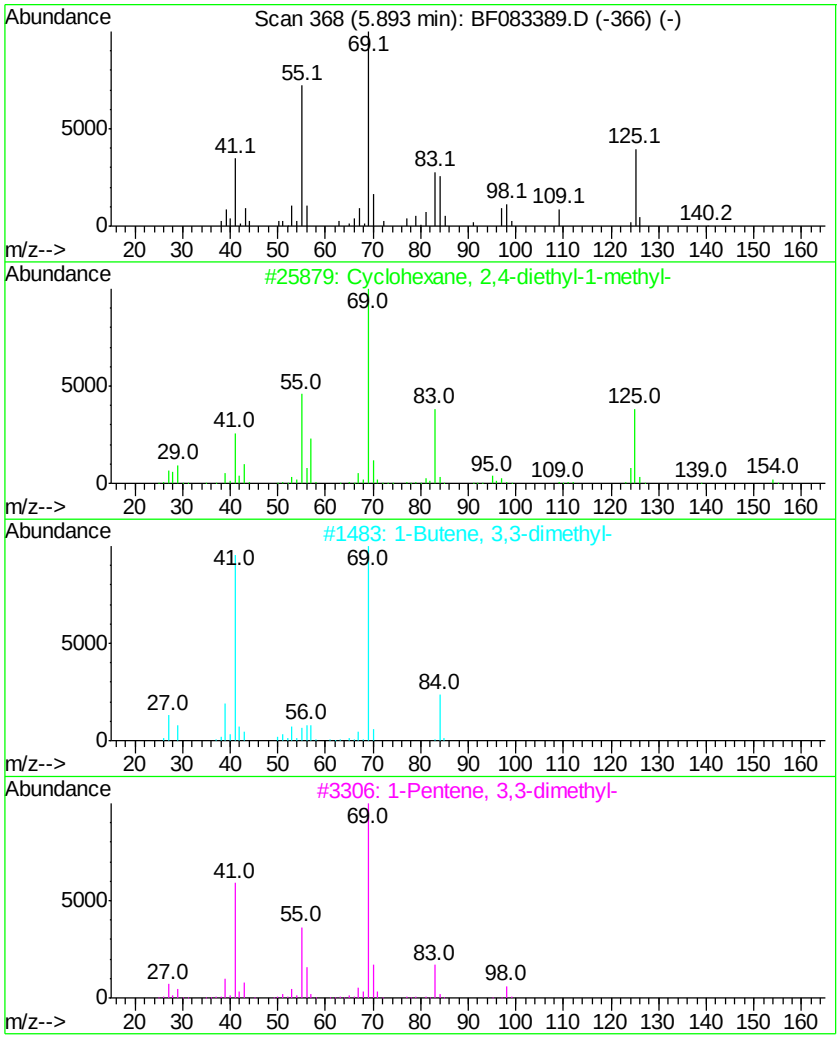
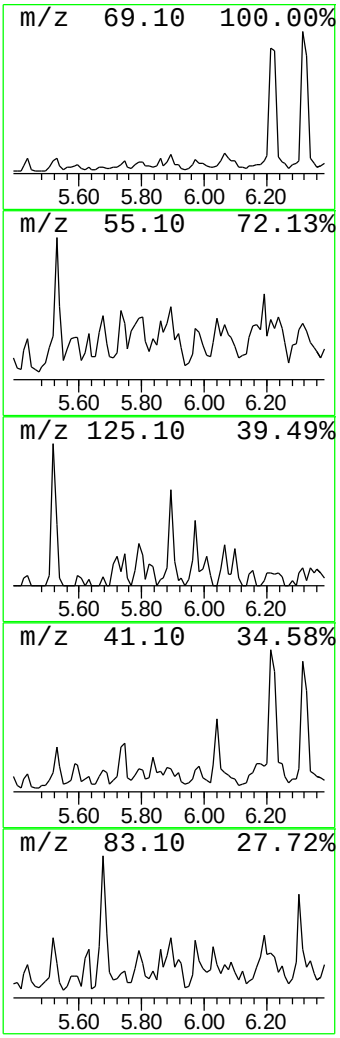
Peak Number 9 unknown5.89 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	6.48 ng	345416	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	45
2	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	43
3	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	43
4	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	43
5	Cyclopropane, (1,2-dimethylpropyl)-	112	C8H16	006976-27-8	43





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Instrument : BNA_F
ClientSampleId : TP2(4-6)

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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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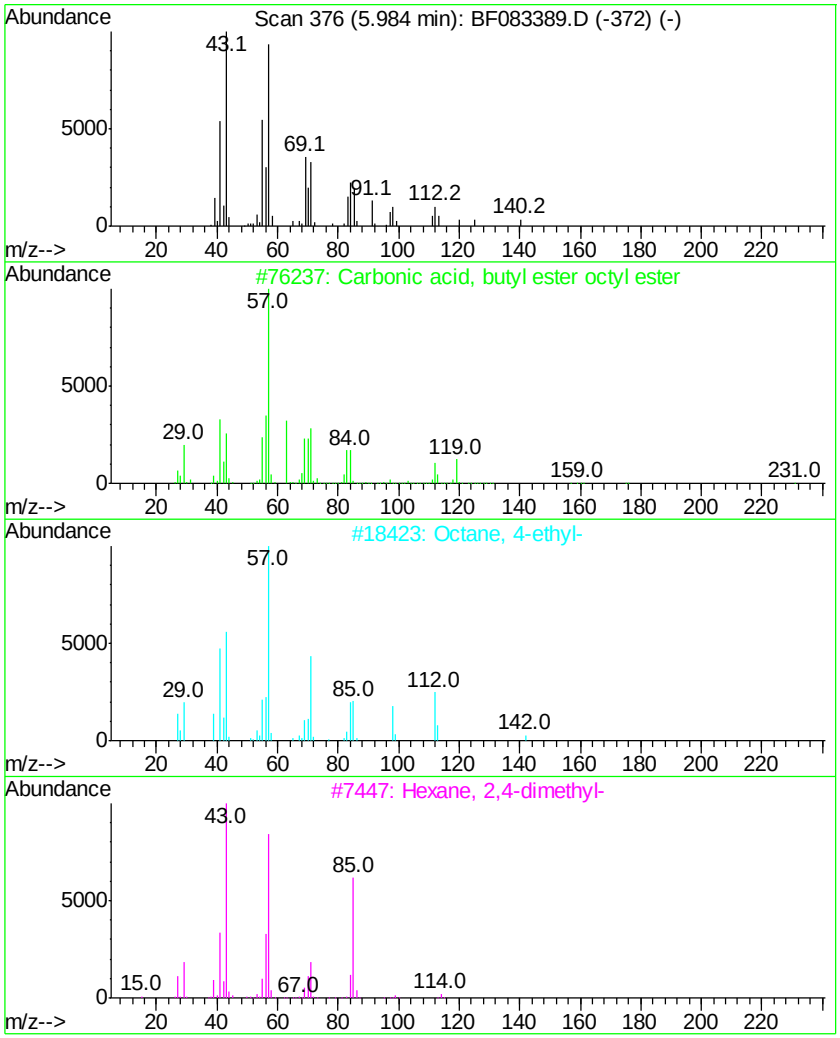
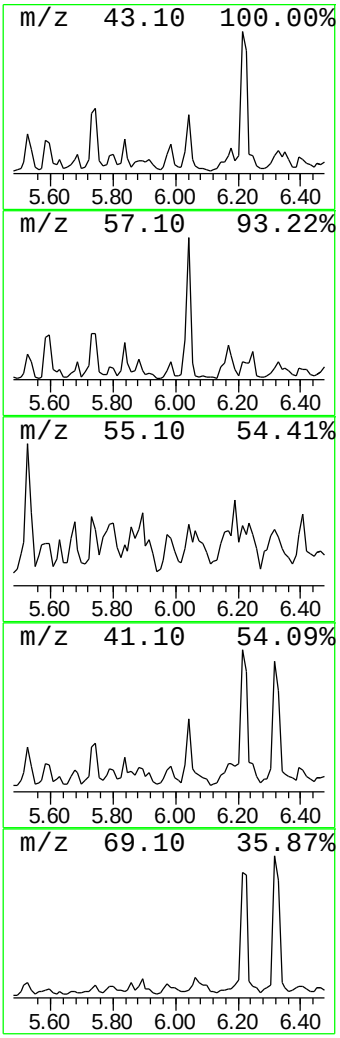
Peak Number 10 Carbonic acid, butyl ester ... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	7.11 ng	379322	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, butyl ester octyl...	230	C13H26O3	1000190-11-5	53
2	Octane, 4-ethyl-	142	C10H22	015869-86-0	50
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	38
4	Acetic acid, decyl ester	200	C12H24O2	000112-17-4	38
5	2-Octene, (Z)-	112	C8H16	007642-04-8	38





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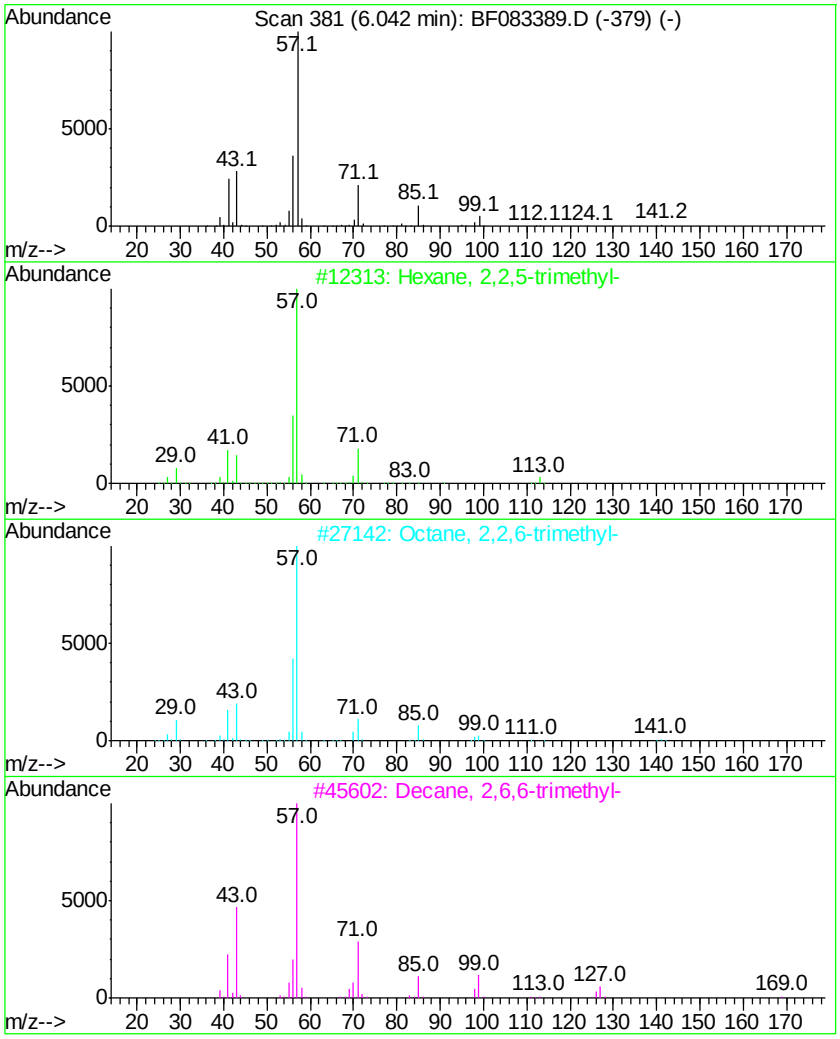
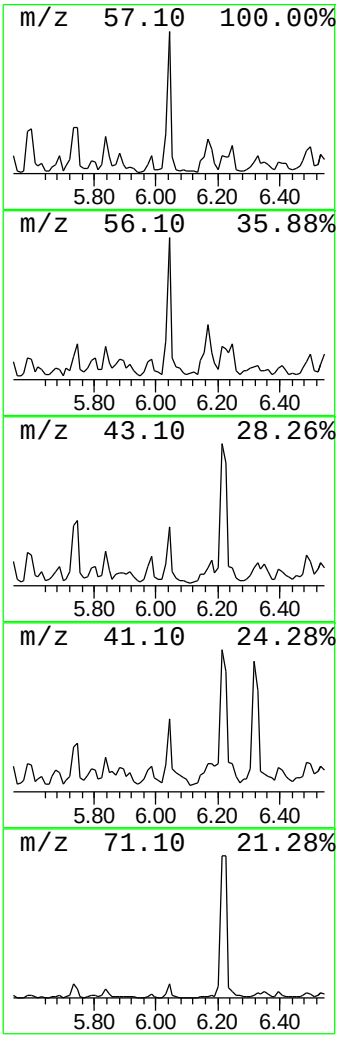
Peak Number 11 Hexane, 2,2,5-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.04	8.81 ng	469968	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
2	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	59
3	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	59
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	59
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	56





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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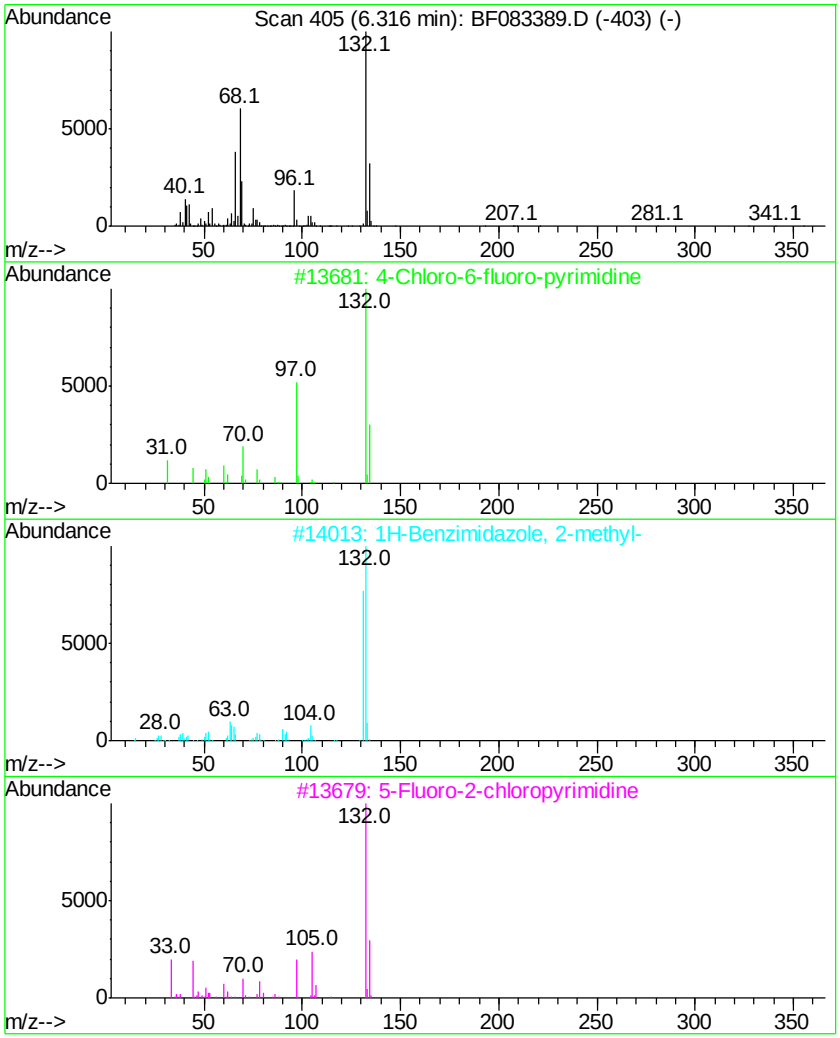
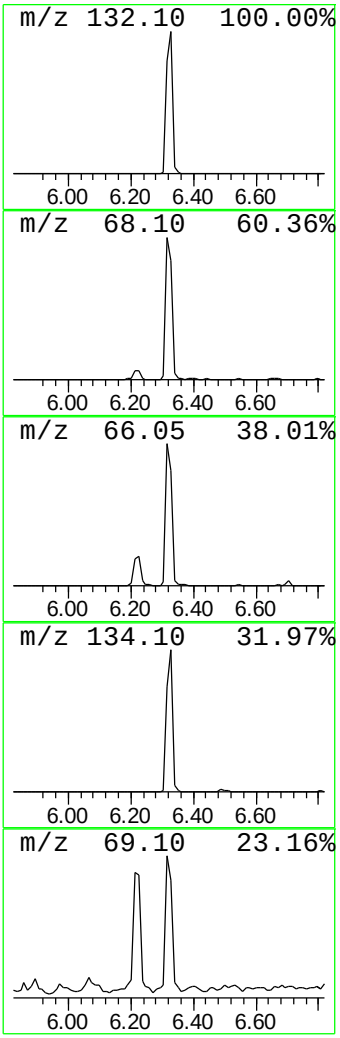
Peak Number 12 unknown6.32 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	91.24 ng	4866880	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	10
5	5-Aminoindole	132	C8H8N2	005192-03-0	10





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Instrument : BNA_F
ClientSampleId : TP2(4-6)

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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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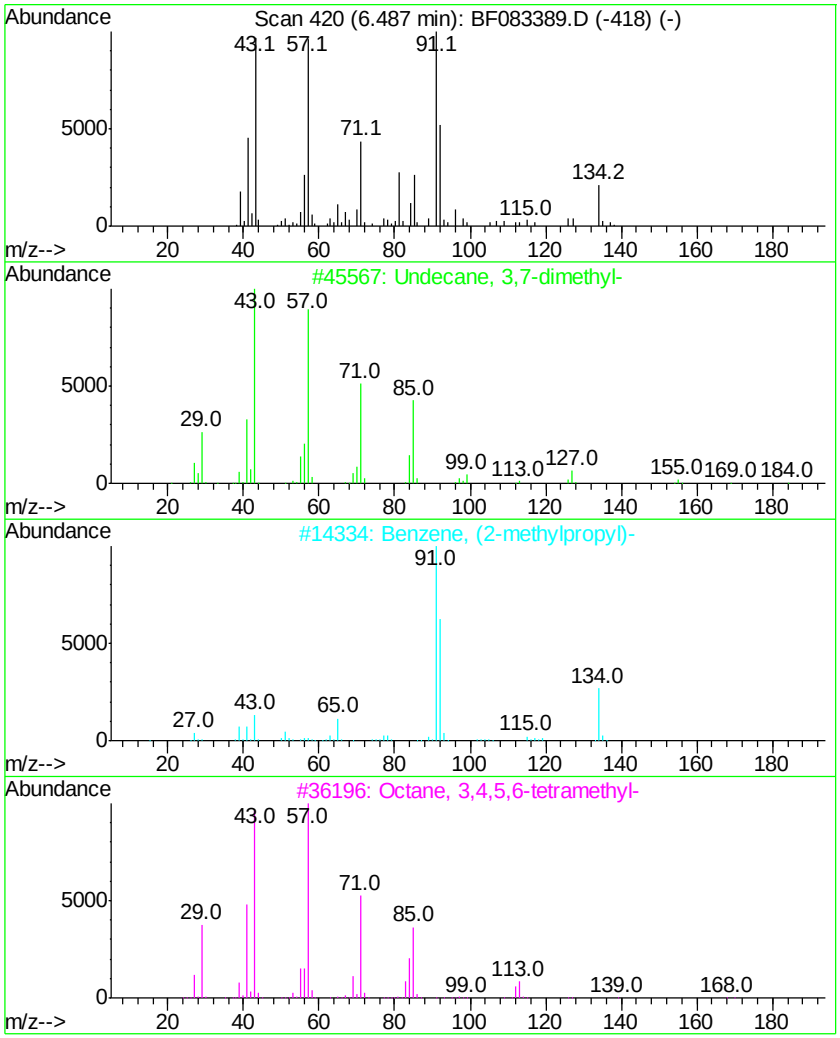
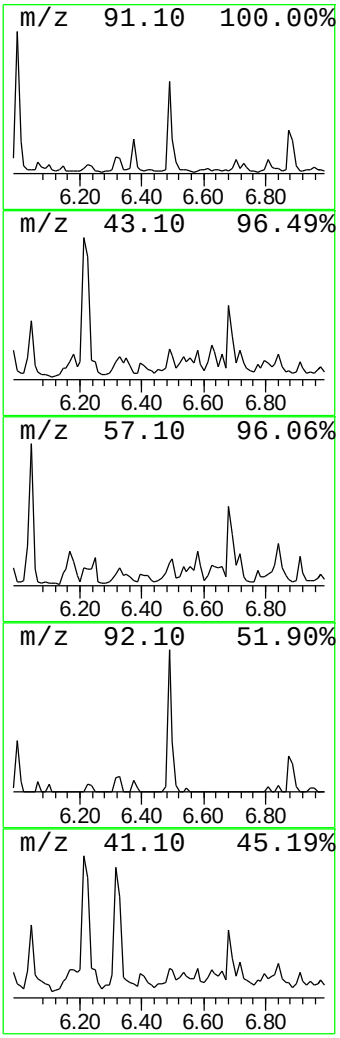
Peak Number 13 unknown6.49 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	4.88 ng	260438	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	43
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	42
3	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	38
4	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	38
5	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	38





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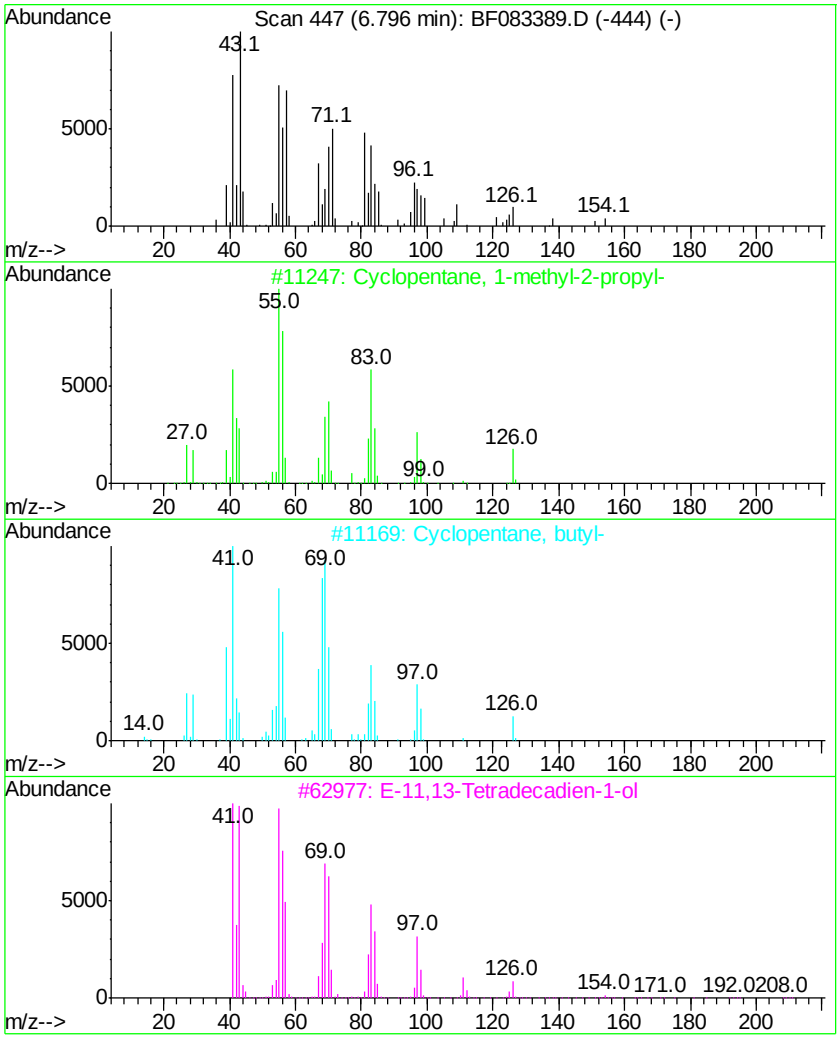
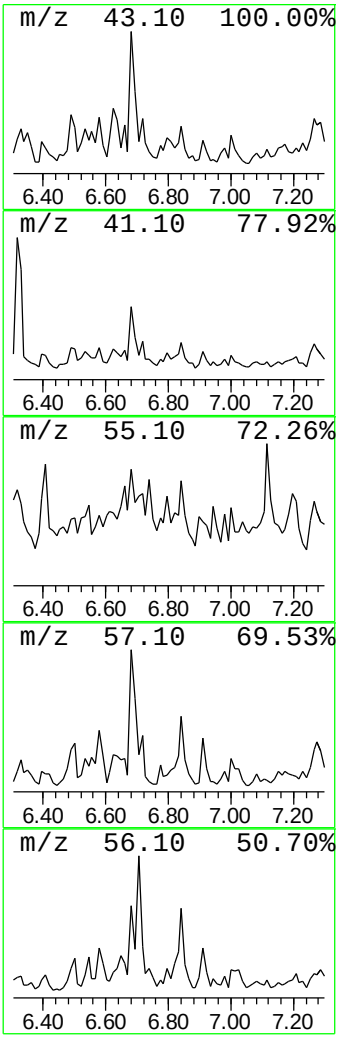
Peak Number 15 Cyclopentane, 1-methyl-2-pr... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	4.79 ng	255279	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	64
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	55
3	E-11,13-Tetradecadien-1-ol	210	C14H26O	1000131-00-3	50
4	1-Dodecene	168	C12H24	000112-41-4	50
5	Cyclopropane, nonyl-	168	C12H24	074663-85-7	50





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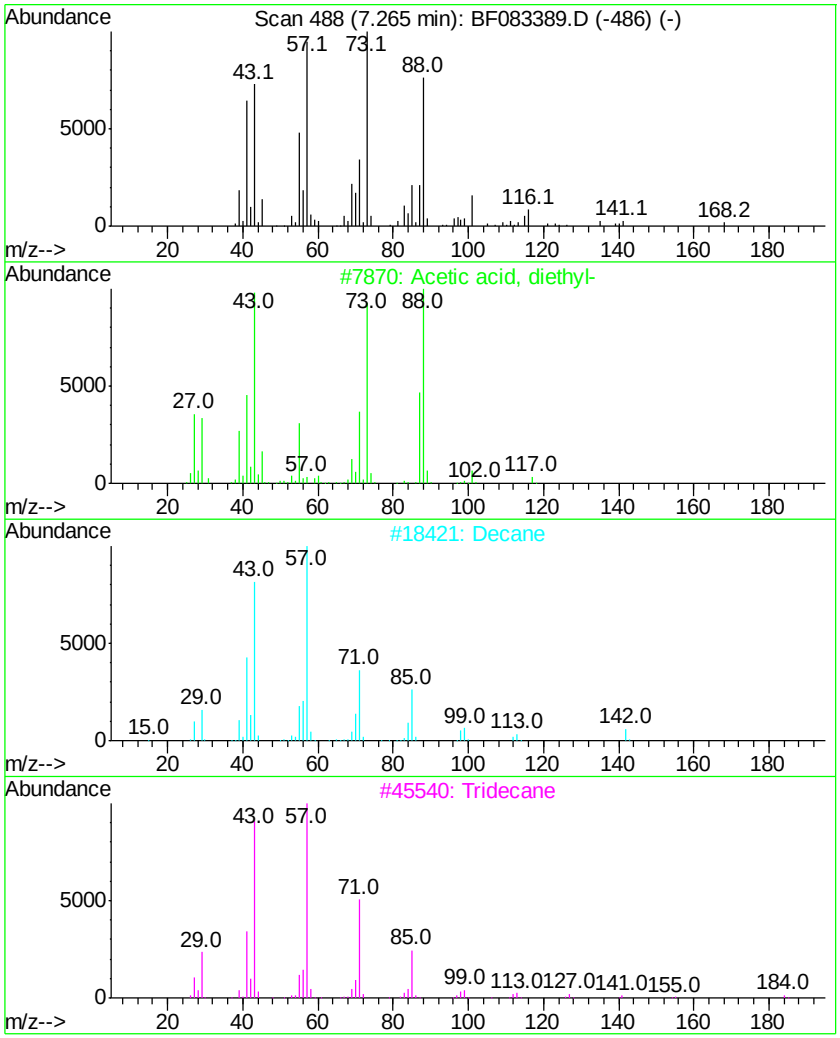
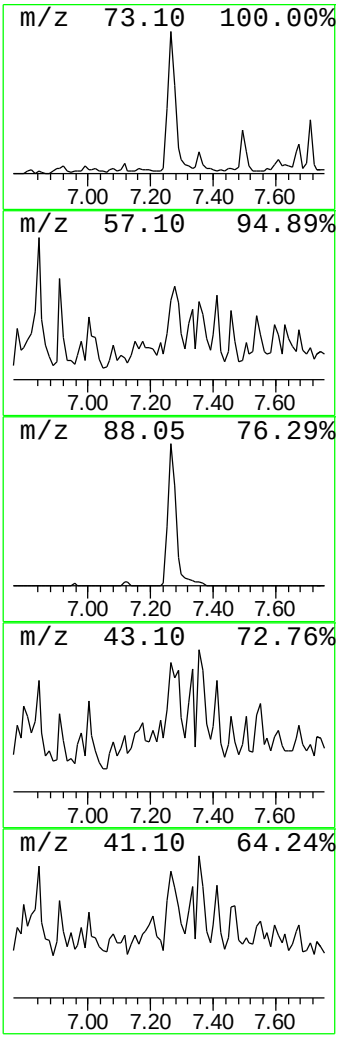
Peak Number 16 unknown7.26 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	4.83 ng	364617	Naphthalene-d8	7.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, diethyl-	116	C6H12O2	000088-09-5	27
2	Decane	142	C10H22	000124-18-5	22
3	Tridecane	184	C13H28	000629-50-5	22
4	Eicosane	282	C20H42	000112-95-8	14
5	Hexadecane	226	C16H34	000544-76-3	14





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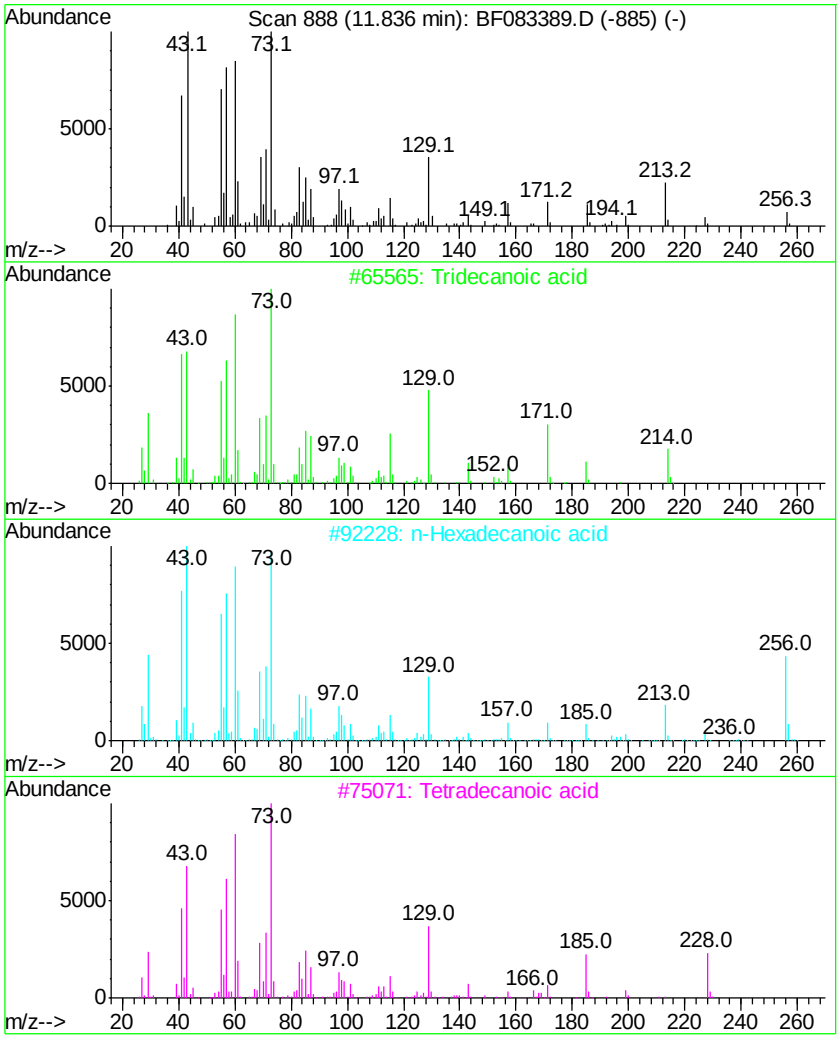
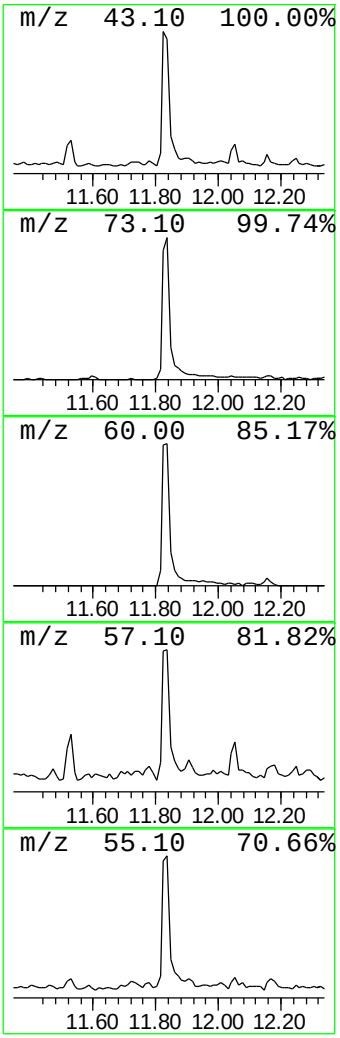
Peak Number 17 Tridecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	9.08 ng	683286	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	94
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
5	Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	18





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Instrument : BNA_F
ClientSampleId : TP2(4-6)

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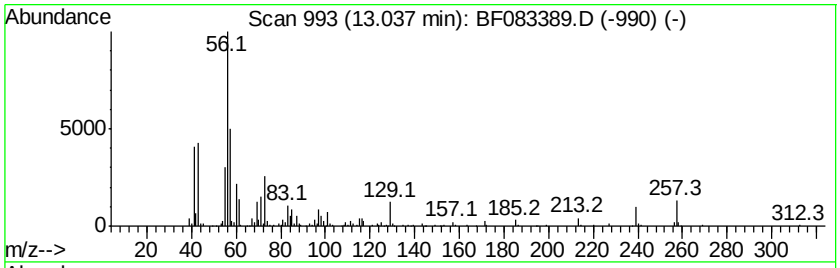
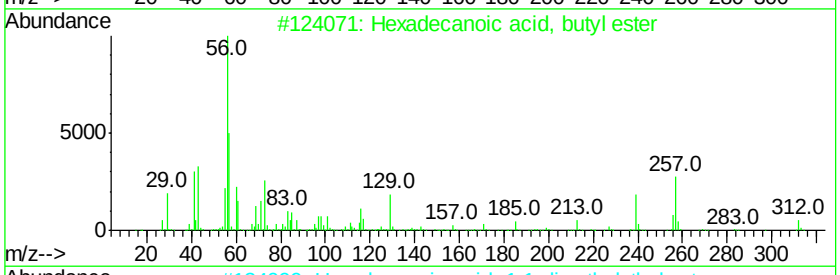
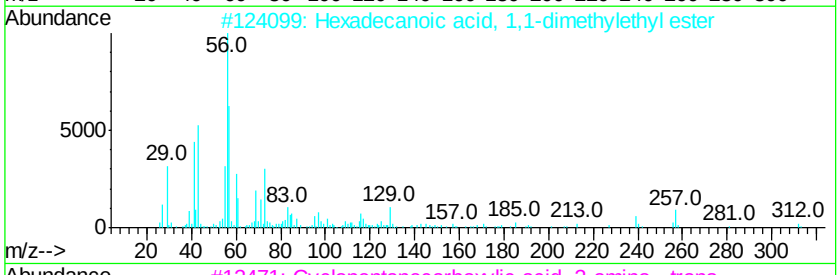
Peak Number 18 Hexadecanoic acid, butyl ester Concentration Rank 4

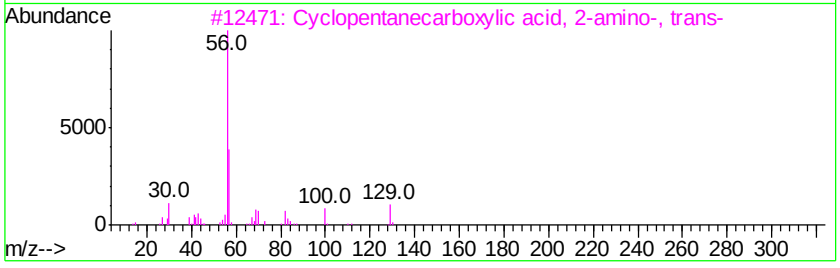
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	13.45 ng	797036	Chrysene-d12	14.74

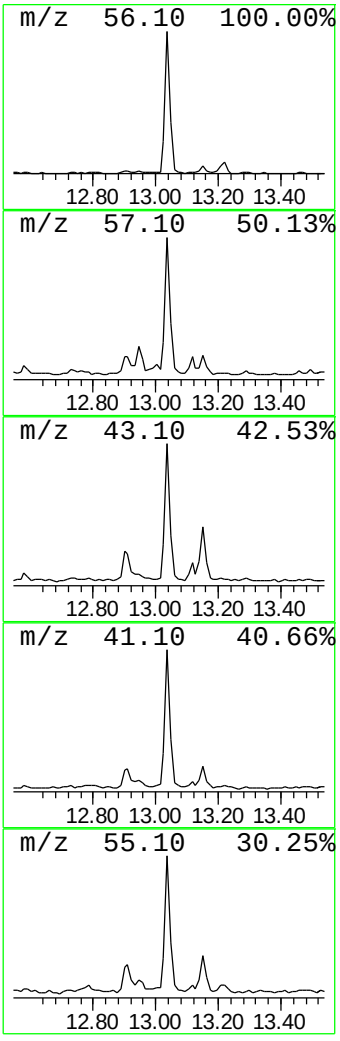
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	83
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	46
3	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	040482-05-1	46
4	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	037910-65-9	43
5	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	37











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Data File : BF083389.D
Acq On : 1 Dec 2015 23:29
Operator : UM/IZ
Sample : G4527-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2(4-6)

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

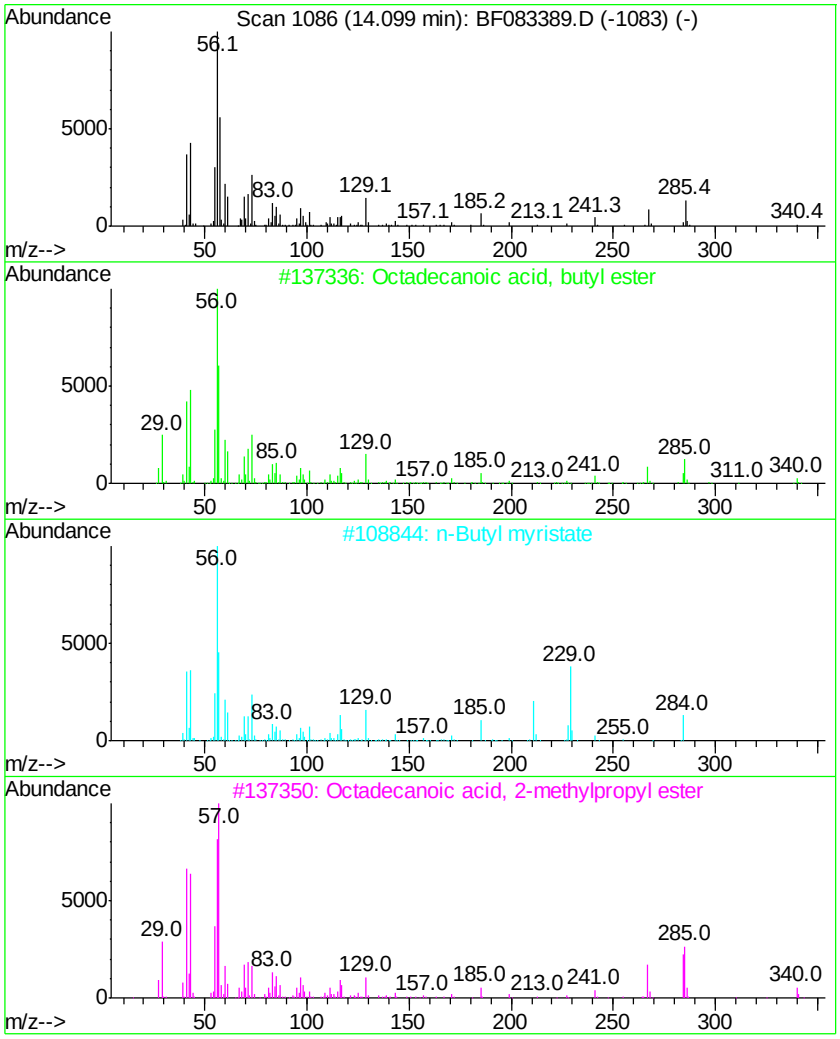
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

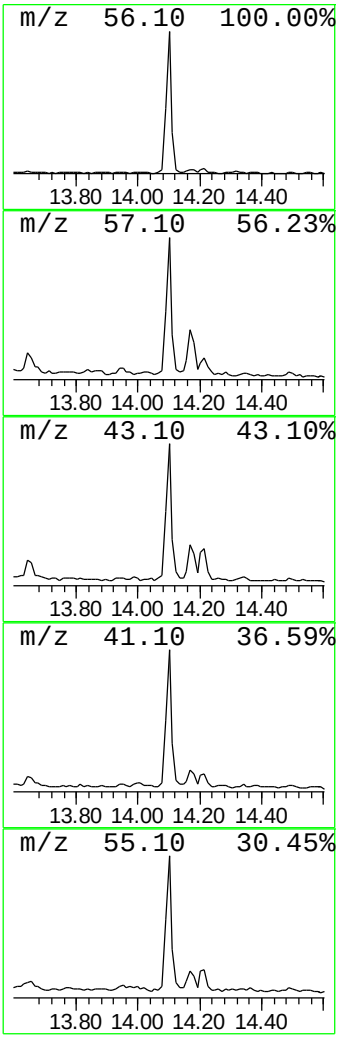
****

Peak Number 19 Octadecanoic acid, butyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	9.86 ng	584700	Chrysene-d12	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	91
2	n-Butyl myristate	284	C18H36O2	000110-36-1	86
3	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	64
4	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	037910-65-9	38
5	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	040482-05-1	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083389.D
Acq On : 1 Dec 2015 23:29
Operator : UM/IZ
Sample : G4527-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2(4-6)

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

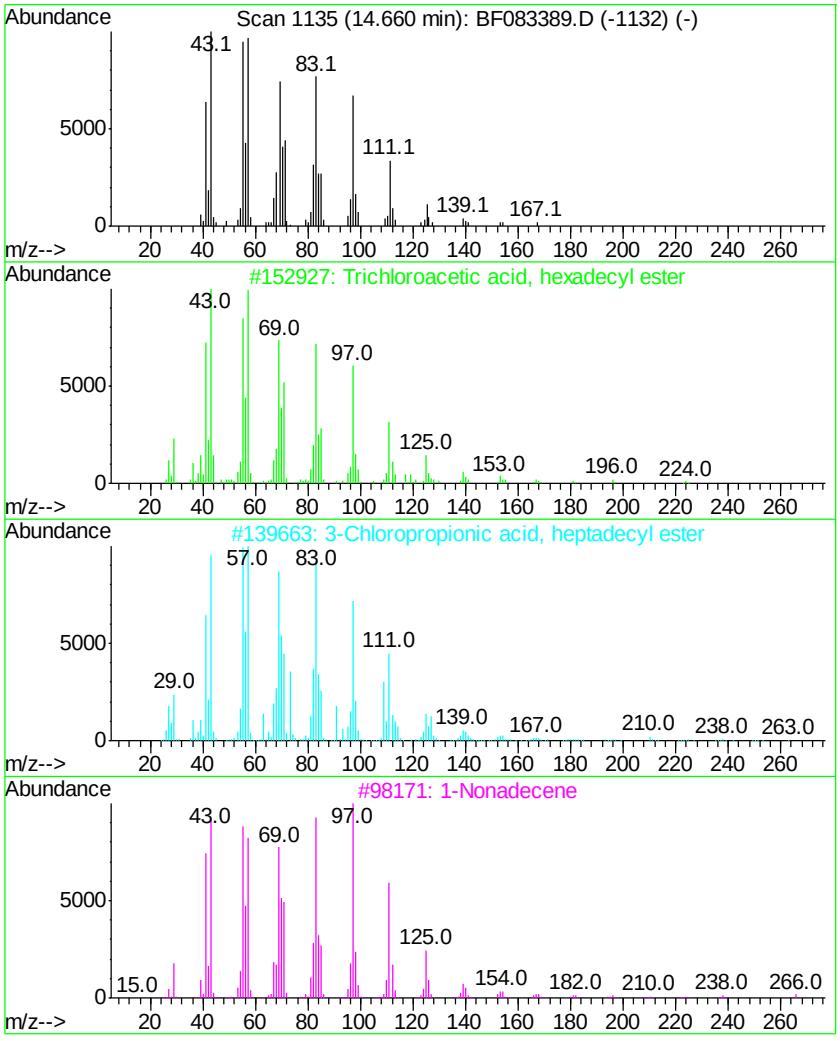
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

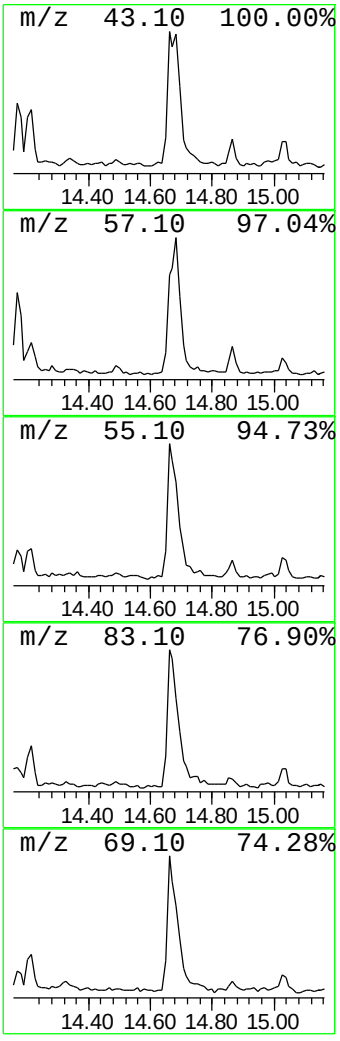
****

Peak Number 20 Trichloroacetic acid, hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	8.81 ng	522425	Chrysene-d12	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
2	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	94
3	1-Nonadecene	266	C19H38	018435-45-5	91
4	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
5	9-Eicosene, (E)-	280	C20H40	074685-29-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120115\
Data File : BF083389.D
Acq On : 1 Dec 2015 23:29
Operator : UM/IZ
Sample : G4527-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP2(4-6)

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
Cyclopentane, 1,2...	2.59	5.6	ng	298987	1	6.54	1066830	20.0
Pentane, 2,3,4-tr...	2.76	8.1	ng	429876	1	6.54	1066830	20.0
Hexane, 2,3,4-tri...	2.90	8.3	ng	442498	1	6.54	1066830	20.0
Octane, 3-methyl-	4.57	8.3	ng	442851	1	6.54	1066830	20.0
2-Pentanone, 4-hy...	4.66	63.7	ng	3399840	1	6.54	1066830	20.0
1-Octene, 6-methyl-	5.53	9.9	ng	526019	1	6.54	1066830	20.0
Octane, 2,3-dimet...	5.58	5.0	ng	265365	1	6.54	1066830	20.0
Nonadecane	5.74	9.9	ng	526046	1	6.54	1066830	20.0
unknown5.89	5.89	6.5	ng	345416	1	6.54	1066830	20.0
Carbonic acid, bu...	5.98	7.1	ng	379322	1	6.54	1066830	20.0
Hexane, 2,2,5-tri...	6.04	8.8	ng	469968	1	6.54	1066830	20.0
unknown6.32	6.32	91.2	ng	4866880	1	6.54	1066830	20.0
unknown6.49	6.49	4.9	ng	260438	1	6.54	1066830	20.0
Cyclopentane, 1-m...	6.80	4.8	ng	255279	1	6.54	1066830	20.0
unknown7.26	7.26	4.8	ng	364617	2	7.84	1510270	20.0
Tridecanoic acid	11.84	9.1	ng	683286	4	11.13	1504780	20.0
Hexadecanoic acid...	13.04	13.4	ng	797036	5	14.74	1185500	20.0
Octadecanoic acid...	14.10	9.9	ng	584700	5	14.74	1185500	20.0
Trichloroacetic a...	14.66	8.8	ng	522425	5	14.74	1185500	20.0