LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
Data File : BF088468.D
Acq On : 27 Jun 2016 23:19
Operator : UM/SJ
Sample : H3630-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1409-TP03E-1224

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-BF060716.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	1.690	7	9	35	rVB	670660	1483141	67.30%	3.443%
2	4.661	266	269	276	rBV	91477	192064	8.72%	0.446%
3	4.844	282	285	288	rBV	26552	48774	2.21%	0.113%
4	5.061	302	304	306	rVB	39900	44469	2.02%	0.103%
5	5.130	308	310	317	rBV	1036897	1726135	78.33%	4.008%
6	5.233	317	319	321	rVB	48857	57280	2.60%	0.133%
7	5.290	321	324	325	rVB	41887	60616	2.75%	0.141%
8	5.336	325	328	332	rVB3	41699	81670	3.71%	0.190%
9	5.507	338	343	345	rBV3	105754	168736	7.66%	0.392%
10	5.576	345	349	350	rBV3	32680	75229	3.41%	0.175%
11	5.644	353	355	358	rVB2	114416	197159	8.95%	0.458%
12	5.724	358	362	363	rBV2	76675	140926	6.39%	0.327%
13	5.759	363	365	368	rBV3	309907	479704	21.77%	1.114%
14	5.827	368	371	374	rBV2	149431	302961	13.75%	0.703%
15	5.873	374	375	379	rVB3	73567	117565	5.33%	0.273%
16	5.964	379	383	386	rBV4	191913	384301	17.44%	0.892%
17	6.033	386	389	391	rBV3	341082	566621	25.71%	1.316%
18	6.079	391	393	395	rVB3	87325	165469	7.51%	0.384%
19	6.124	395	397	399	rBV2	107788	155293	7.05%	0.361%
20	6.170	399	401	403	rBV3	112094	207149	9.40%	0.481%
21	6.216	403	405	408	rVB	1066846	1169792	53.08%	2.716%
22	6.273	408	410	411	rBV	204047	307306	13.94%	0.713%
23	6.319	411	414	418	rVB	1614386	1995645	90.55%	4.633%
24	6.387	418	420	421	rBV	123386	162790	7.39%	0.378%
25	6.422	421	423	426	rBV4	32378	65995	2.99%	0.153%
26	6.490	426	429	432	rBV5	124519	386869	17.55%	0.898%
27	6.536	432	433	434	rBV	281912	316701	14.37%	0.735%
28	6.570	434	436	437	rVB	456680	569589	25.85%	1.322%
29	6.604	437	439	443	rBV4	110361	336931	15.29%	0.782%
30	6.696	443	447	451	rVB2	1571449	2203805	100.00%	5.117%
31	6.799	451	456	457	rBV4	254914	530655	24.08%	1.232%
32	6.833	457	459	460	rVB2	174175	201012	9.12%	0.467%
33	6.867	460	462	463	rVB2	110195	110665	5.02%	0.257%
34	6.890	463	464	466	rBV2	96598	150766	6.84%	0.350%

LSC Area Percent Report

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Acq On : 27 Jun 2016 23:19
Operator : UM/SJ
Sample : H3630-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1409-TP03E-1224

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-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.925	466	467	469	rVB	309007	284779	12.92%	0.661%
36	6.959	469	470	474	rVB4	153169	205547	9.33%	0.477%
37	7.027	474	476	477	rBV2	47988	72767	3.30%	0.169%
38	7.085	477	481	482	rBV3	265503	589608	26.75%	1.369%
39	7.119	482	484	488	rVB	912956	1228608	55.75%	2.853%
40	7.199	488	491	493	rVB3	324016	586655	26.62%	1.362%
41	7.245	493	495	496	rBV	155575	288234	13.08%	0.669%
42	7.267	496	497	499	rVB	227876	205332	9.32%	0.477%
43	7.325	499	502	503	rBV3	205465	445144	20.20%	1.034%
44	7.347	503	504	506	rVB	588970	474248	21.52%	1.101%
45	7.405	506	509	511	rBV2	131748	197408	8.96%	0.458%
46	7.462	511	514	516	rBV4	586325	975871	44.28%	2.266%
47	7.530	517	520	522	rVB4	152443	227854	10.34%	0.529%
48	7.565	522	523	524	rBV	147818	130847	5.94%	0.304%
49	7.656	529	531	533	rBV3	157797	233011	10.57%	0.541%
50	7.725	533	537	539	rBV4	150229	416630	18.91%	0.967%
51	7.827	540	546	547	rBV3	763161	1242229	56.37%	2.884%
52	7.862	547	549	552	rVV4	160553	390954	17.74%	0.908%
53	7.907	552	553	556	rVB2	670745	679962	30.85%	1.579%
54	7.965	556	558	559	rVB2	177805	224015	10.16%	0.520%
55	7.999	559	561	562	rBV2	174513	264823	12.02%	0.615%
56	8.125	567	572	577	rBV6	340993	1115196	50.60%	2.589%
57	8.193	577	578	579	rVV	119727	88602	4.02%	0.206%
58	8.216	579	580	582	rVB2	176826	229342	10.41%	0.532%
59	8.273	582	585	589	rBV	1120688	1507474	68.40%	3.500%
60	8.376	591	594	595	rBV3	176555	245745	11.15%	0.571%
61	8.456	597	601	602	rBV4	170480	446088	20.24%	1.036%
62	8.536	606	608	610	rVB2	373997	478151	21.70%	1.110%
63	8.570	610	611	612	rBV	116920	139924	6.35%	0.325%
64	8.742	622	626	628	rBV5	345015	641833	29.12%	1.490%
65	8.810	631	632	634	rVB2	180405	180459	8.19%	0.419%
66	8.868	634	637	638	rBV	1051710	1115512	50.62%	2.590%
67	8.913	638	641	643	rVB	1624494	1626331	73.80%	3.776%
68	9.016	645	650	651	rBV3	254936	651817	29.58%	1.513%
69	9.050	651	653	657	rVB4	205908	444286	20.16%	1.032%
70	9.108	657	658	661	rVB2	106517	150065	6.81%	0.348%
71	9.176	661	664	666	rBV2	135143	300759	13.65%	0.698%

LSC Area Percent Report

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Acq On : 27 Jun 2016 23:19
Operator : UM/SJ
Sample : H3630-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1409-TP03E-1224

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-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.245	669	670	672	rBV2	234270	279748	12.69%	0.650%
73	9.279	672	673	674	rVV	302708	210520	9.55%	0.489%
74	9.325	674	677	678	rVV2	821613	1062167	48.20%	2.466%
75	9.439	685	687	689	rBV3	148275	234177	10.63%	0.544%
76	9.485	689	691	693	rVB2	308027	366743	16.64%	0.851%
77	9.531	693	695	696	rBV	98581	153951	6.99%	0.357%
78	9.576	696	699	701	rVV3	519044	684442	31.06%	1.589%
79	9.622	701	703	707	rVV4	97890	178444	8.10%	0.414%
80	9.691	707	709	711	rVB2	172165	258845	11.75%	0.601%
81	9.736	711	713	714	rBV2	88148	135874	6.17%	0.315%
82	9.782	715	717	719	rVB3	171046	205423	9.32%	0.477%
83	9.851	719	723	725	rVB2	227956	456265	20.70%	1.059%
84	9.896	725	727	729	rVB	217822	245103	11.12%	0.569%
85	9.942	729	731	732	rBV2	55573	77407	3.51%	0.180%
86	9.976	732	734	735	rBV2	164133	156049	7.08%	0.362%
87	10.125	745	747	748	rBV2	68269	123286	5.59%	0.286%
88	10.182	750	752	753	rVB	45430	40410	1.83%	0.094%
89	10.239	755	757	759	rVB	338075	348219	15.80%	0.808%
90	10.285	759	761	763	rVB2	80468	126734	5.75%	0.294%
91	10.365	766	768	770	rBV	649862	672160	30.50%	1.561%
92	10.502	777	780	783	rVB	370609	505792	22.95%	1.174%
93	10.559	783	785	786	rBV2	51683	40513	1.84%	0.094%
94	10.753	800	802	803	rBV2	35977	38325	1.74%	0.089%
95	10.971	818	821	823	rVB	268526	315224	14.30%	0.732%
96	11.051	827	828	832	rBV2	276581	417829	18.96%	0.970%
97	11.314	850	851	853	rBV	103400	149902	6.80%	0.348%
98	12.262	932	934	936	rBV2	129448	187222	8.50%	0.435%
99	12.308	936	938	940	rVV2	261820	279052	12.66%	0.648%
100	12.651	965	968	970	rBV	807081	1231393	55.88%	2.859%

Sum of corrected areas: 43071112

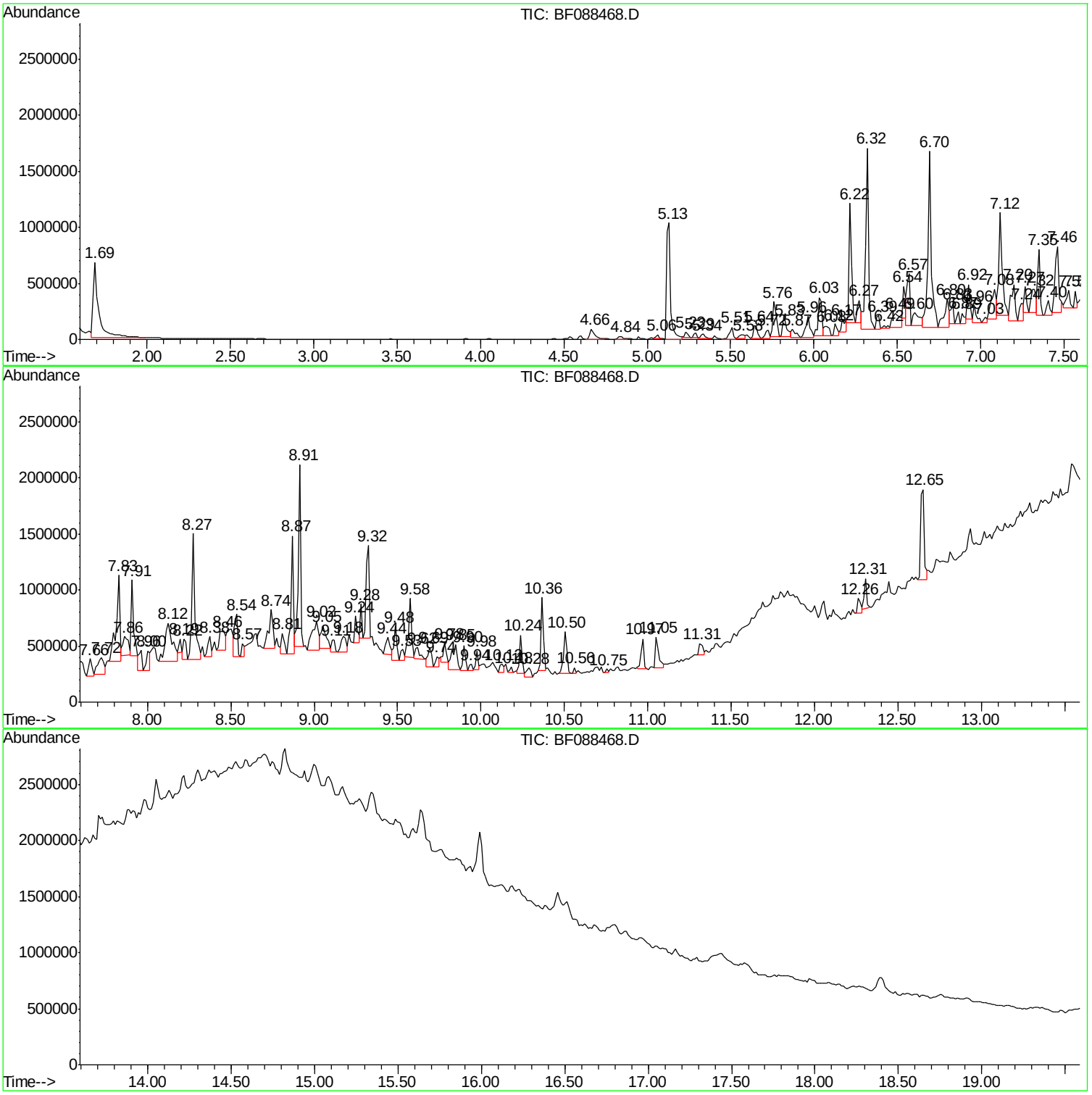
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
Data File : BF088468.D
Acq On : 27 Jun 2016 23:19
Operator : UM/SJ
Sample : H3630-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1409-TP03E-1224

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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\BF062716\
Data File : BF088468.D
Acq On : 27 Jun 2016 23:19
Operator : UM/SJ
Sample : H3630-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1409-TP03E-1224

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

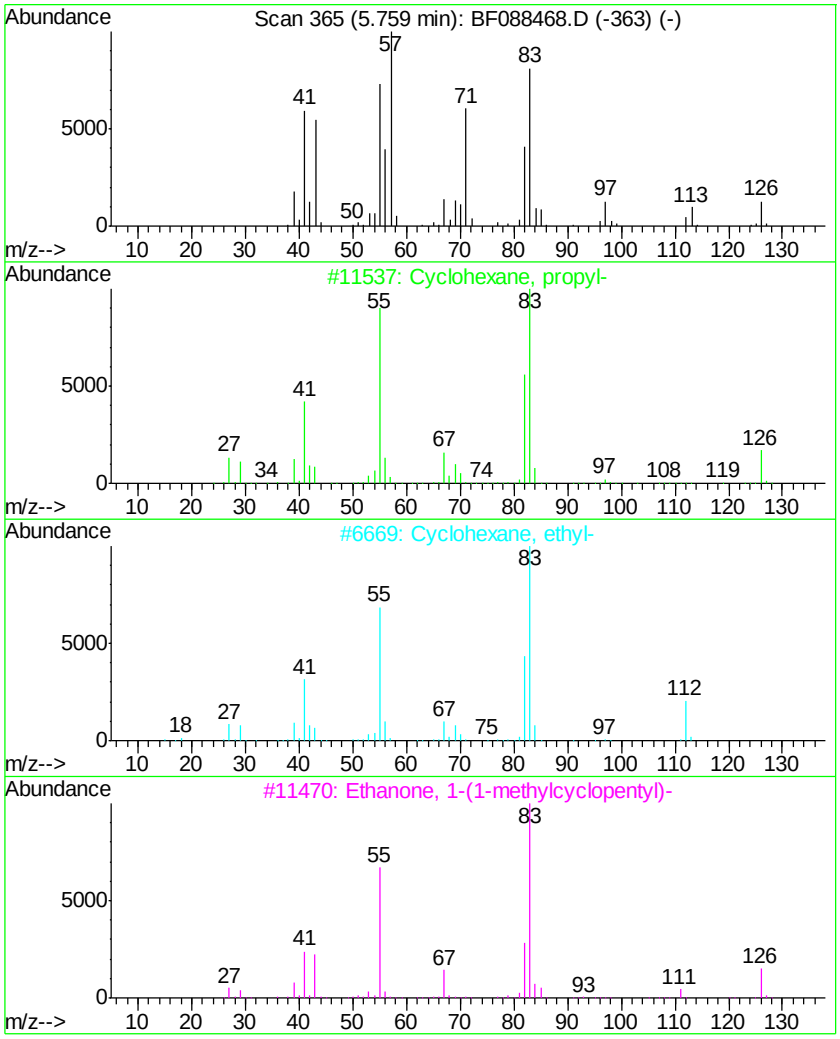
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

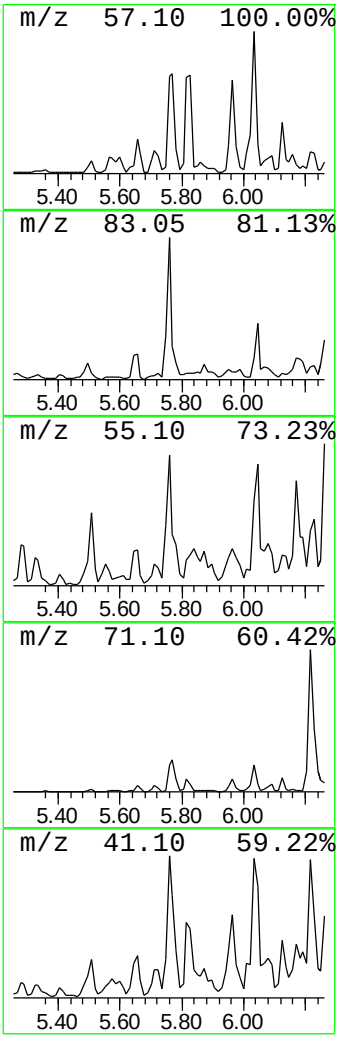
****

Peak Number 2 Cyclohexane, propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	30.29 ng	479704	1,4-Dichlorobenzene-d4	6.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	60
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	46
3	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	43
4	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	43
5	1-Pentene, 2,3,3-trimethyl-	112	C8H16	000560-23-6	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
Data File : BF088468.D
Acq On : 27 Jun 2016 23:19
Operator : UM/SJ
Sample : H3630-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1409-TP03E-1224

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

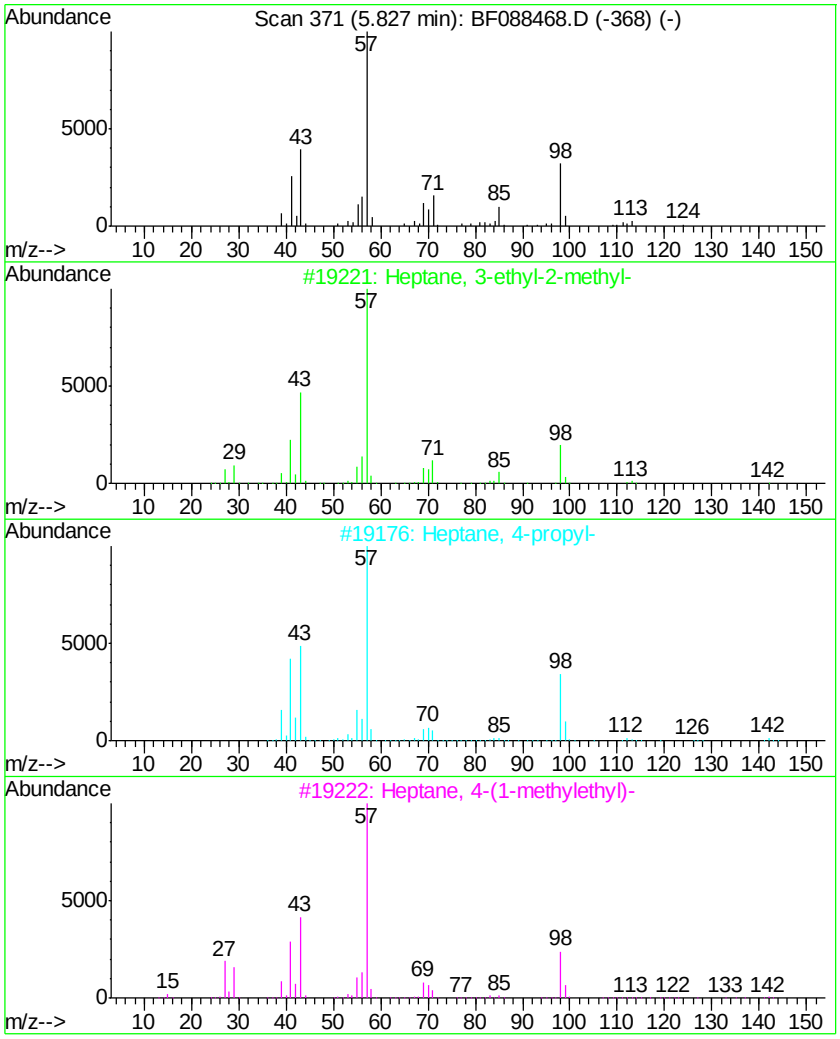
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

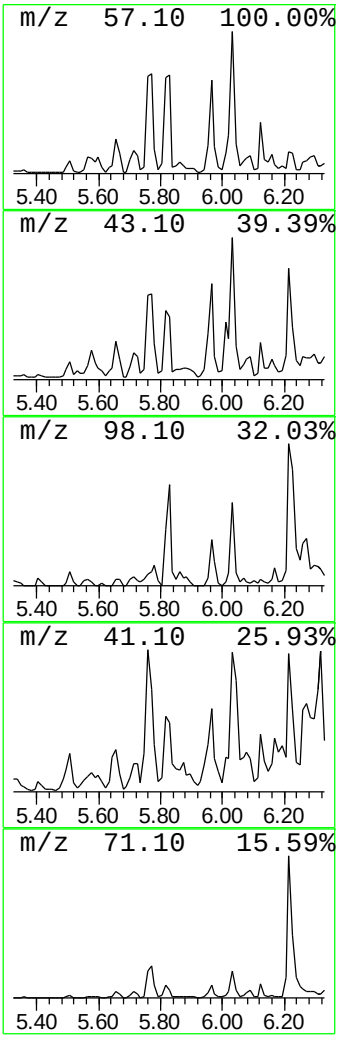
****

Peak Number 3 Heptane, 3-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.83	19.13 ng	302961	1,4-Dichlorobenzene-d4	6.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	90
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	59
3	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	53
4	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	50
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
Data File : BF088468.D
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Operator : UM/SJ
Sample : H3630-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1409-TP03E-1224

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

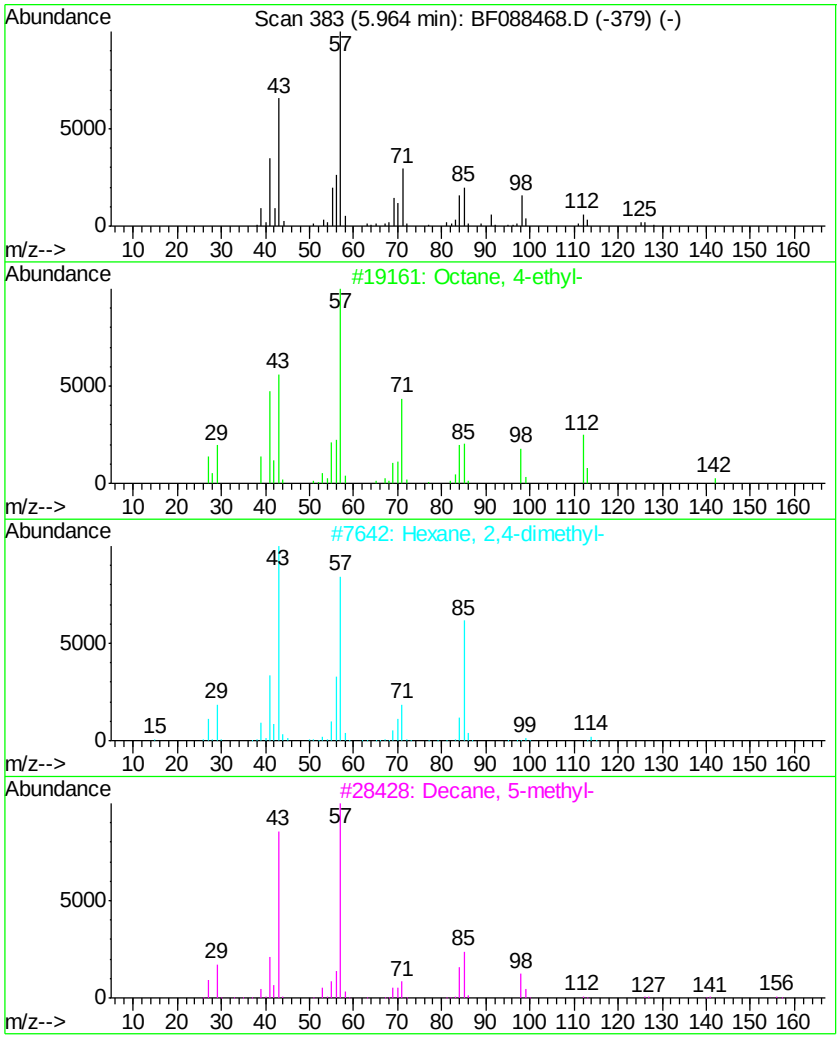
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

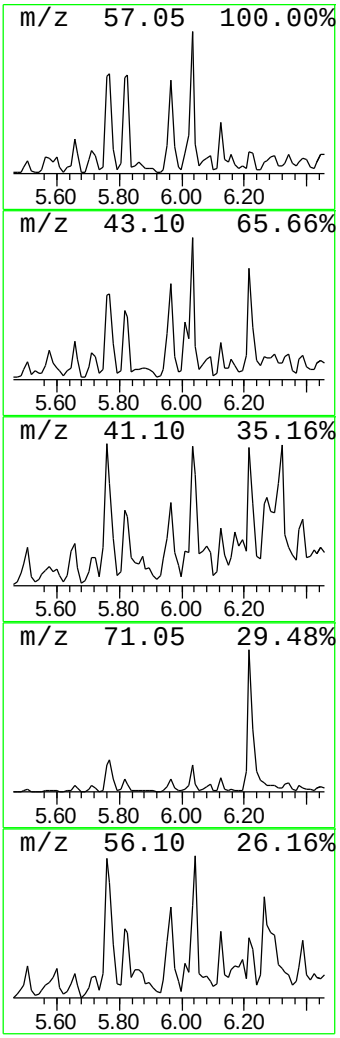
****

Peak Number 4 Octane, 4-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	24.27 ng	384301	1,4-Dichlorobenzene-d4	6.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-ethyl-	142	C10H22	015869-86-0	53
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
3	Decane, 5-methyl-	156	C11H24	013151-35-4	50
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	47
5	Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
Data File : BF088468.D
Acq On : 27 Jun 2016 23:19
Operator : UM/SJ
Sample : H3630-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1409-TP03E-1224

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

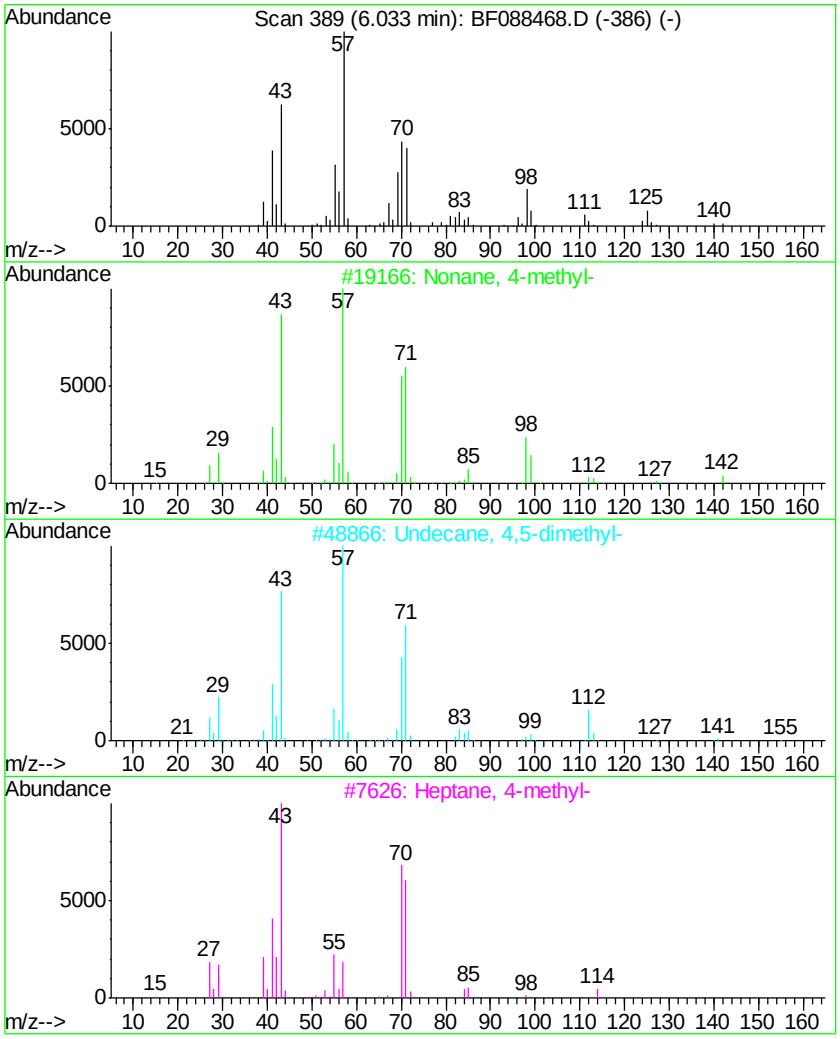
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

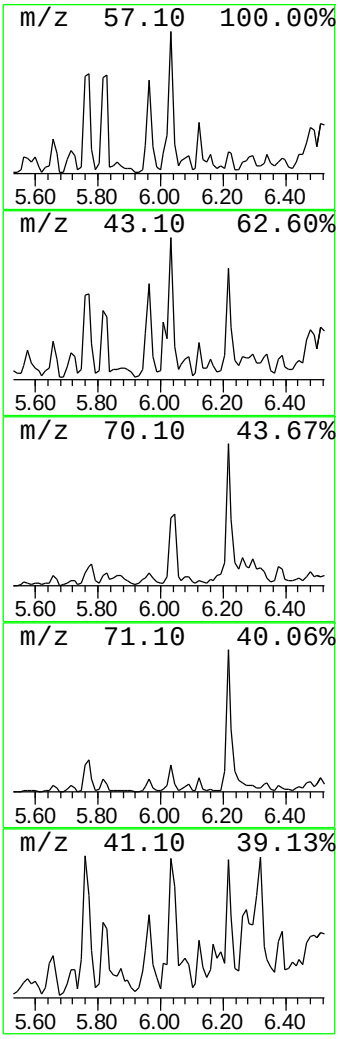
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	35.78 ng	566621	1,4-Dichlorobenzene-d4	6.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	72
2	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	50
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	50
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	47
5	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
Data File : BF088468.D
Acq On : 27 Jun 2016 23:19
Operator : UM/SJ
Sample : H3630-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1409-TP03E-1224

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

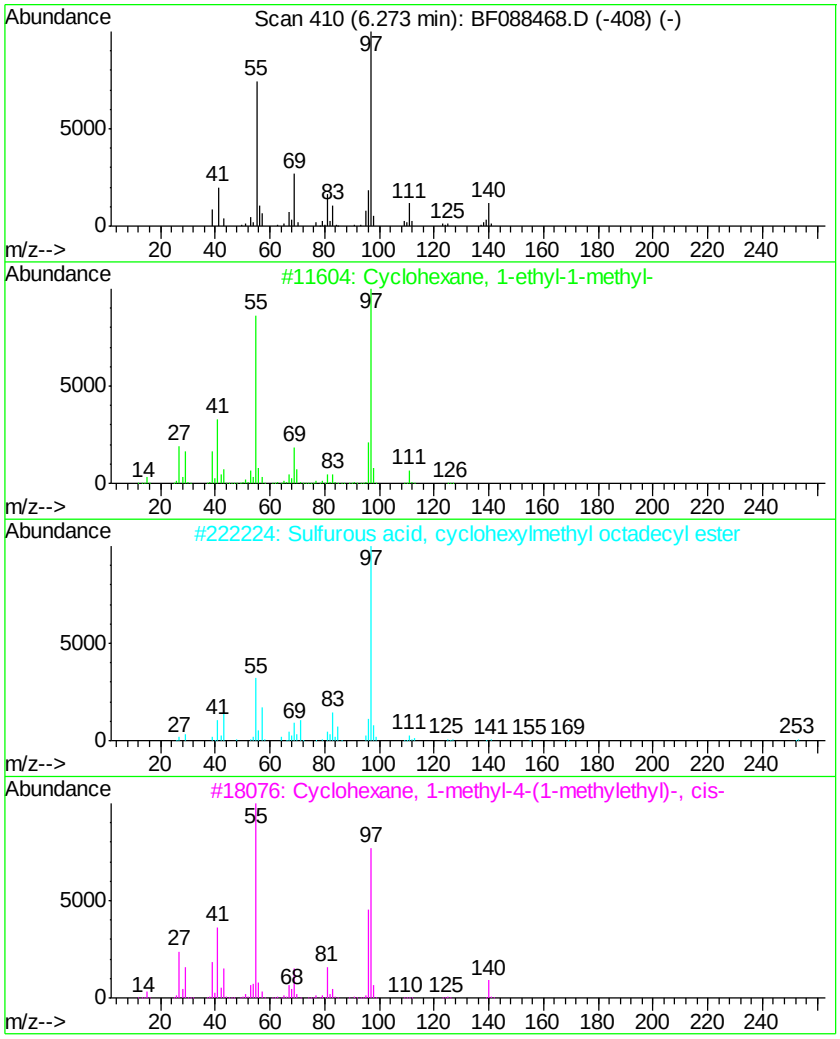
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

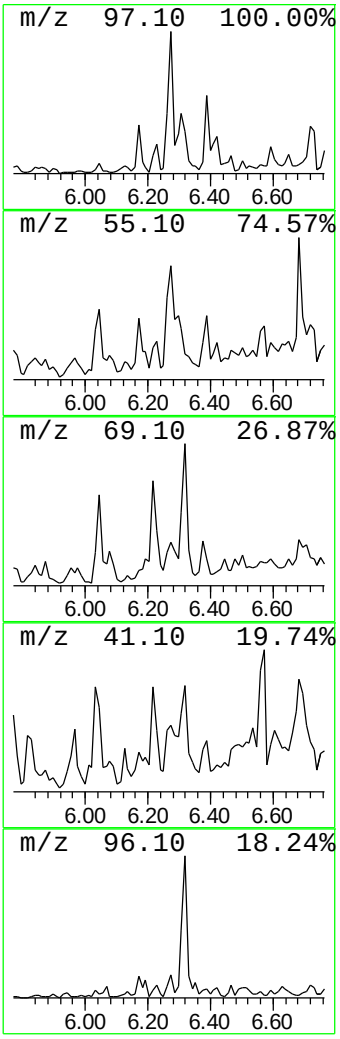
****

Peak Number 6 Cyclohexane, 1-ethyl-1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	19.41 ng	307306	1,4-Dichlorobenzene-d4	6.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
2	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	64
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	64
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64
5	Semustine	247	C10H18ClN3O2	013909-09-6	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
Data File : BF088468.D
Acq On : 27 Jun 2016 23:19
Operator : UM/SJ
Sample : H3630-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1409-TP03E-1224

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

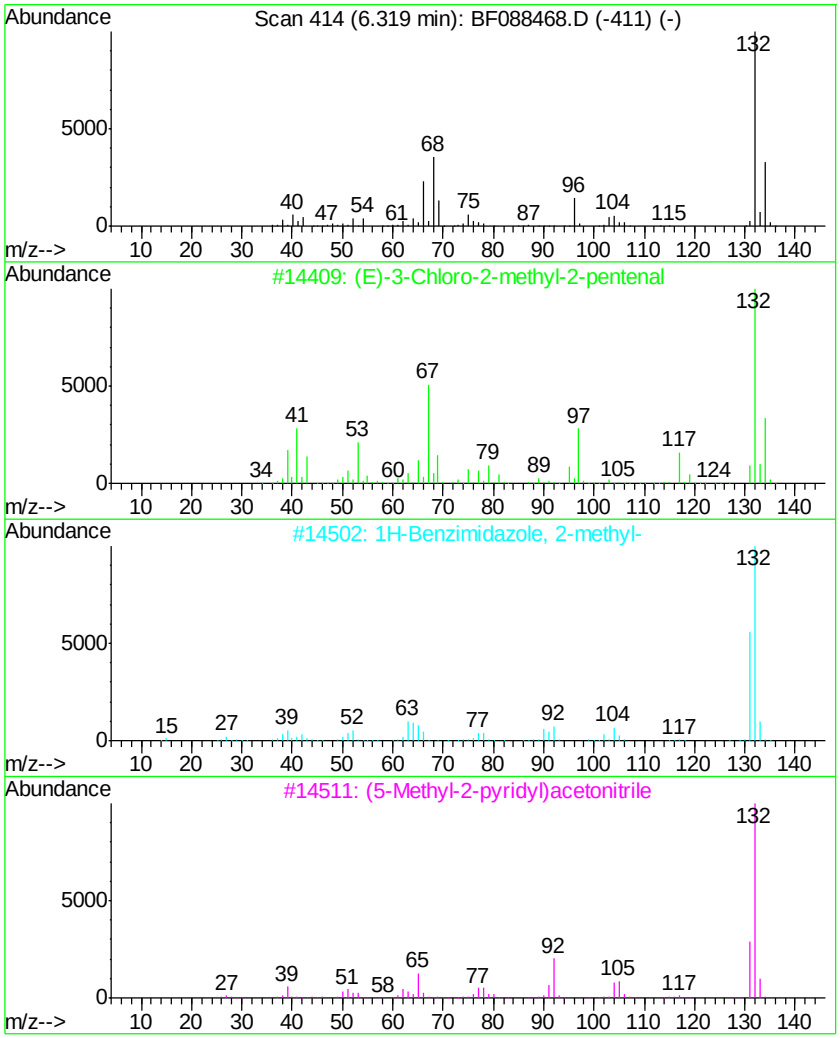
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

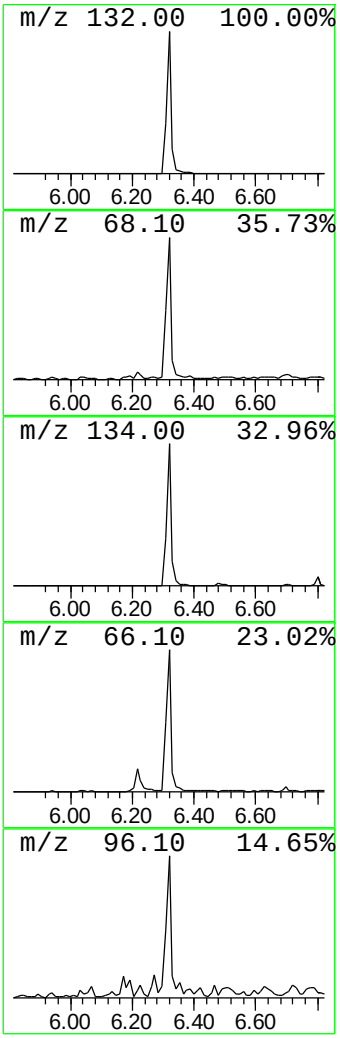
****

Peak Number 7 unknown6.32 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	126.03 ng	1995650	1,4-Dichlorobenzene-d4	6.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
3	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Acq On : 27 Jun 2016 23:19
Operator : UM/SJ
Sample : H3630-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1409-TP03E-1224

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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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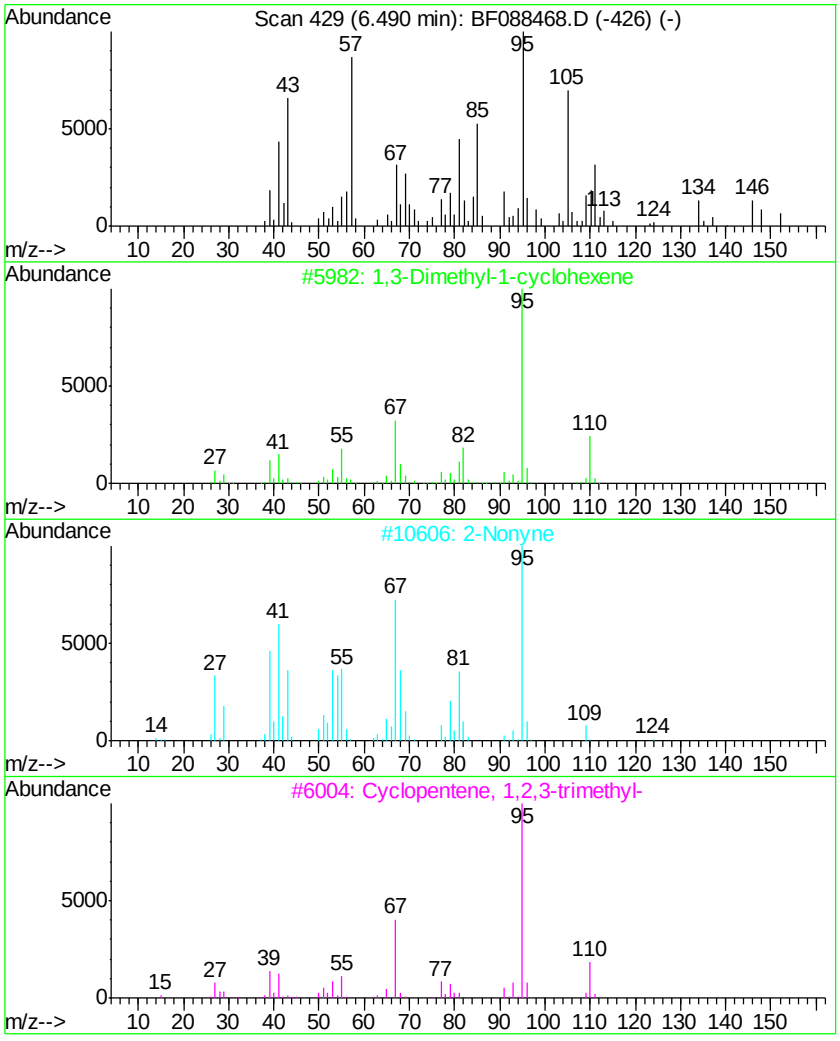
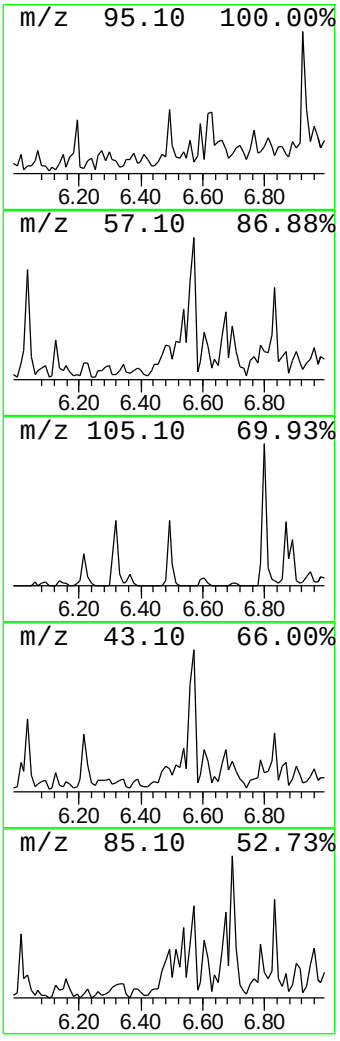
Peak Number 8 unknown6.49 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	24.43 ng	386869	1,4-Dichlorobenzene-d4	6.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	46
2	2-Nonyne	124	C9H16	019447-29-1	46
3	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	46
4	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	46
5	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	43





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ClientSampleId : B1409-TP03E-1224

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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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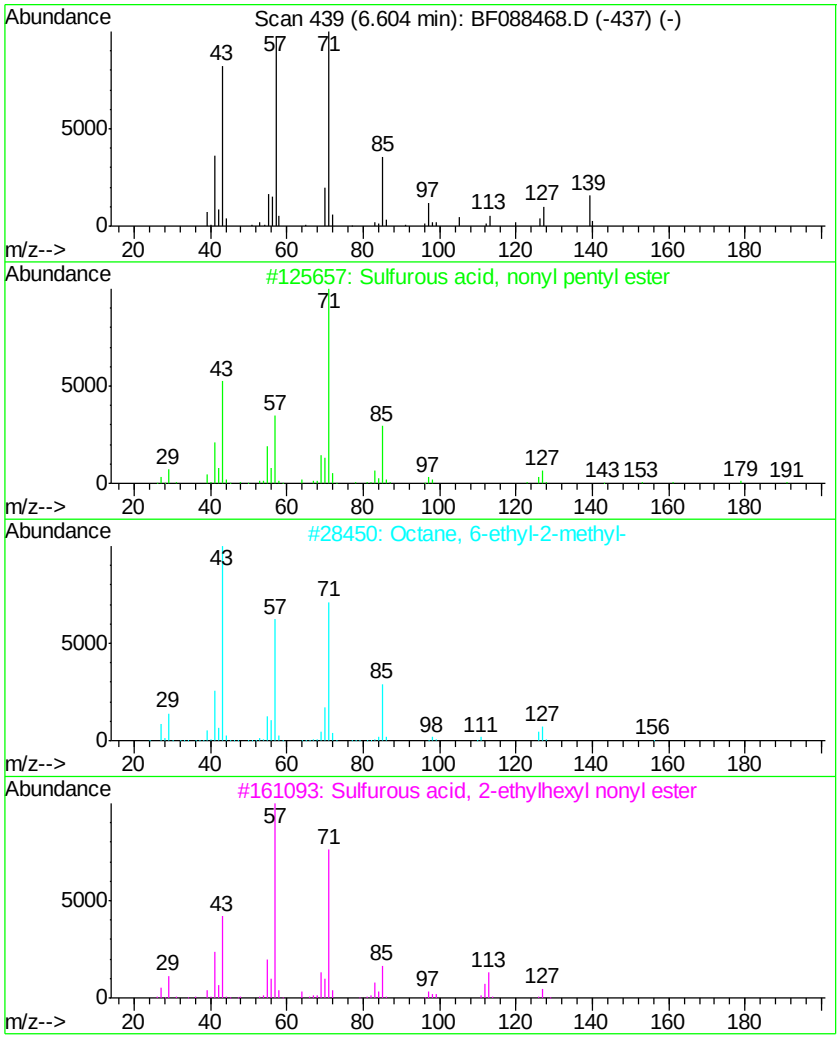
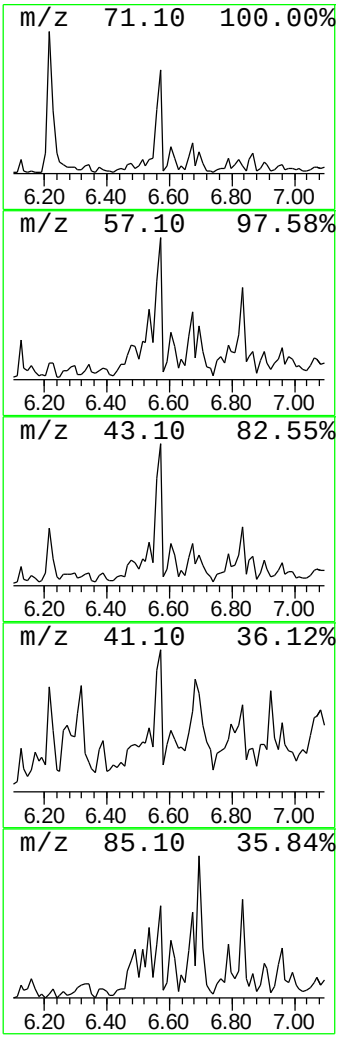
Peak Number 9 Sulfurous acid, nonyl penty... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	21.28 ng	336931	1,4-Dichlorobenzene-d4	6.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, nonyl pentyl ester	278	C14H30O3S	1000309-14-2	64
2	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	59
3	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	59
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	53





Library Search Compound Report

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

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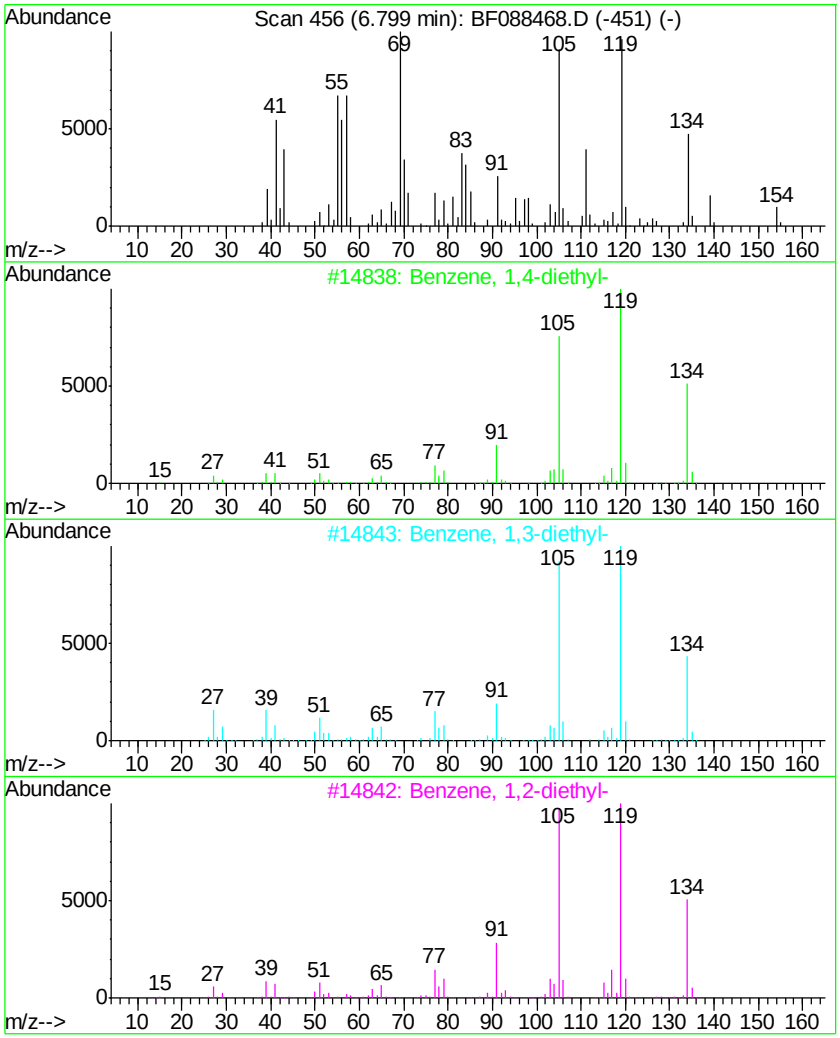
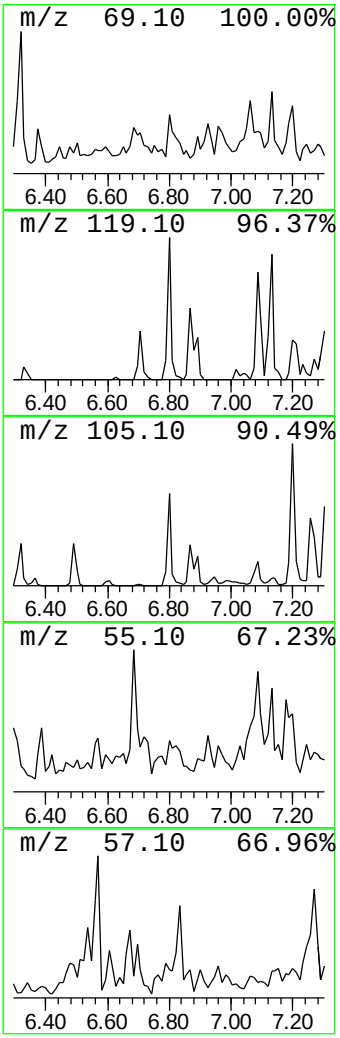
Peak Number 11 Benzene, 1,4-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	33.51 ng	530655	1,4-Dichlorobenzene-d4	6.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	86
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	59
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	56
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	45
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	42





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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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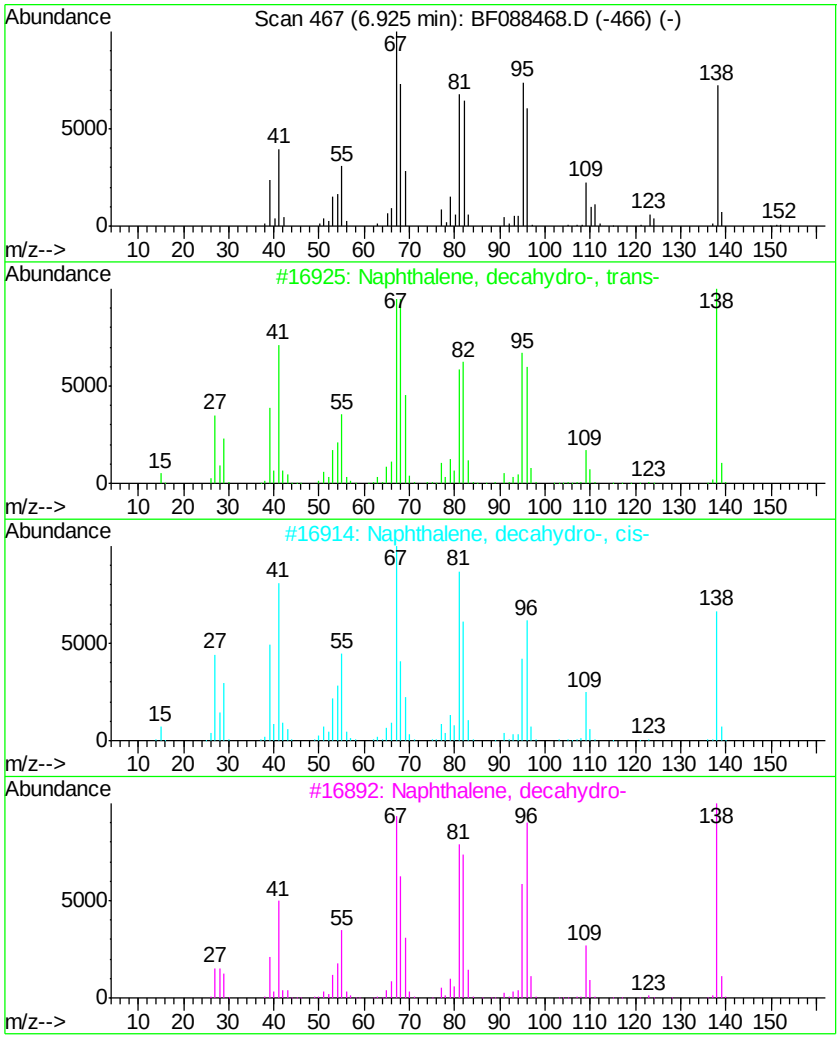
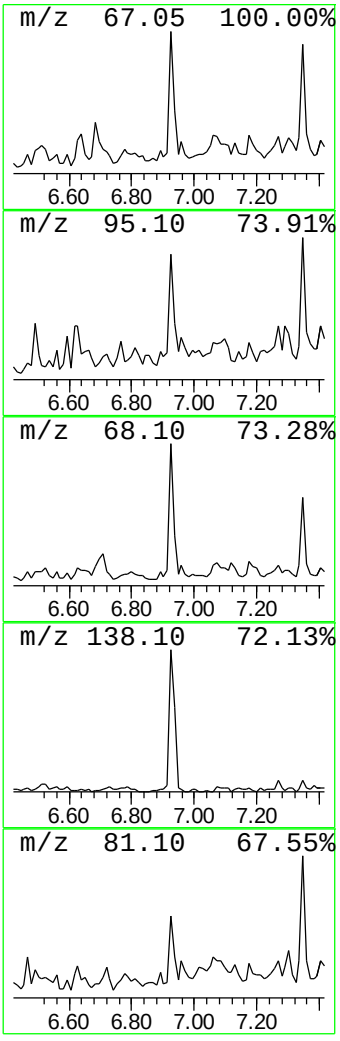
Peak Number 12 Naphthalene, decahydro-, tr... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	17.98 ng	284779	1,4-Dichlorobenzene-d4	6.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
2	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	91
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	91
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	76
5	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	70





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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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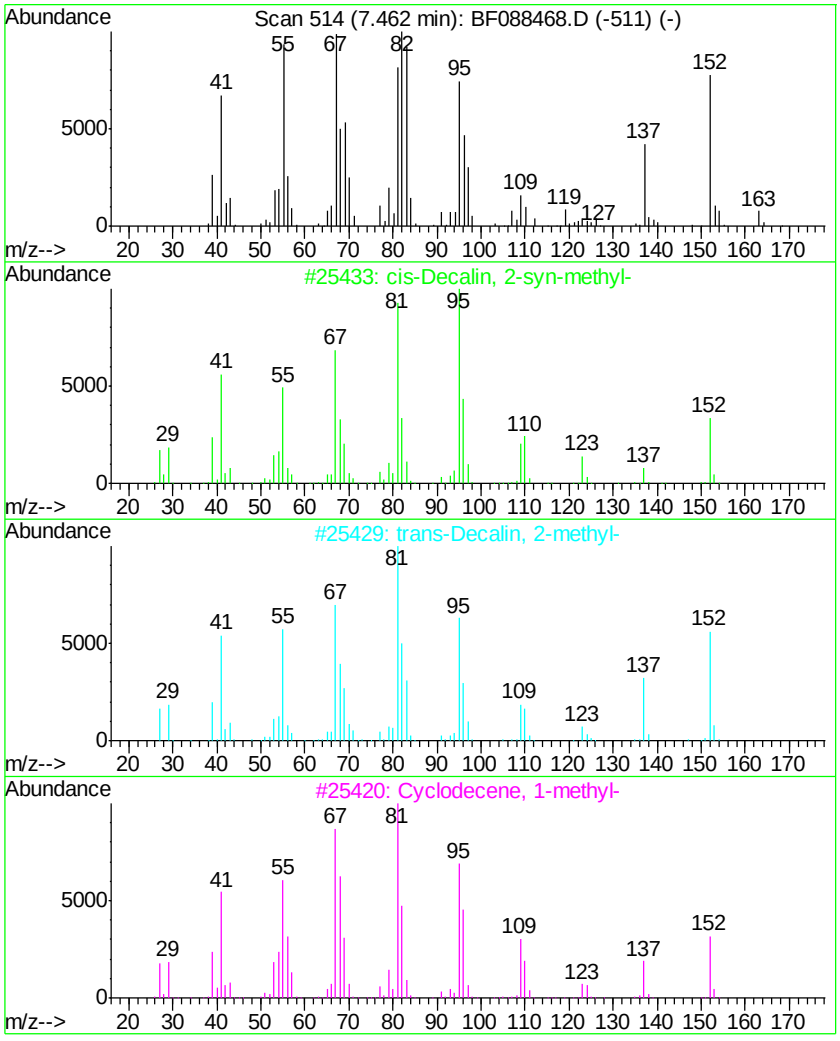
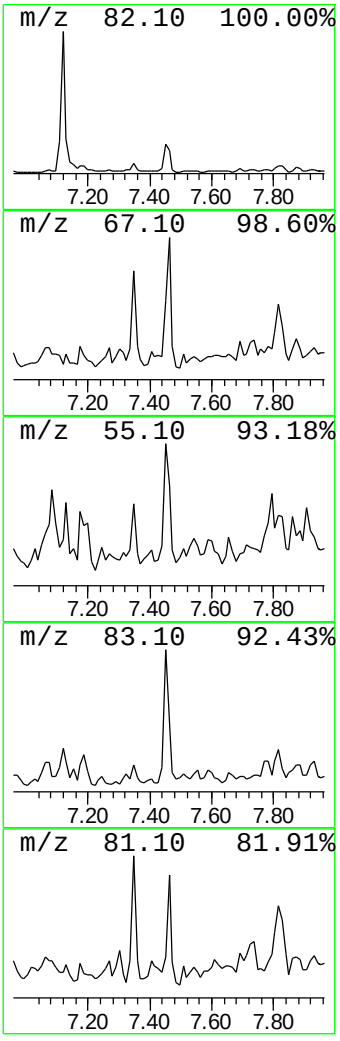
Peak Number 13 cis-Decalin, 2-syn-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	15.71 ng	975871	Naphthalene-d8	7.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	58
3	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	58
4	Cyclopentylcyclohexane	152	C11H20	001606-08-2	53
5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	52





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ClientSampleId : B1409-TP03E-1224

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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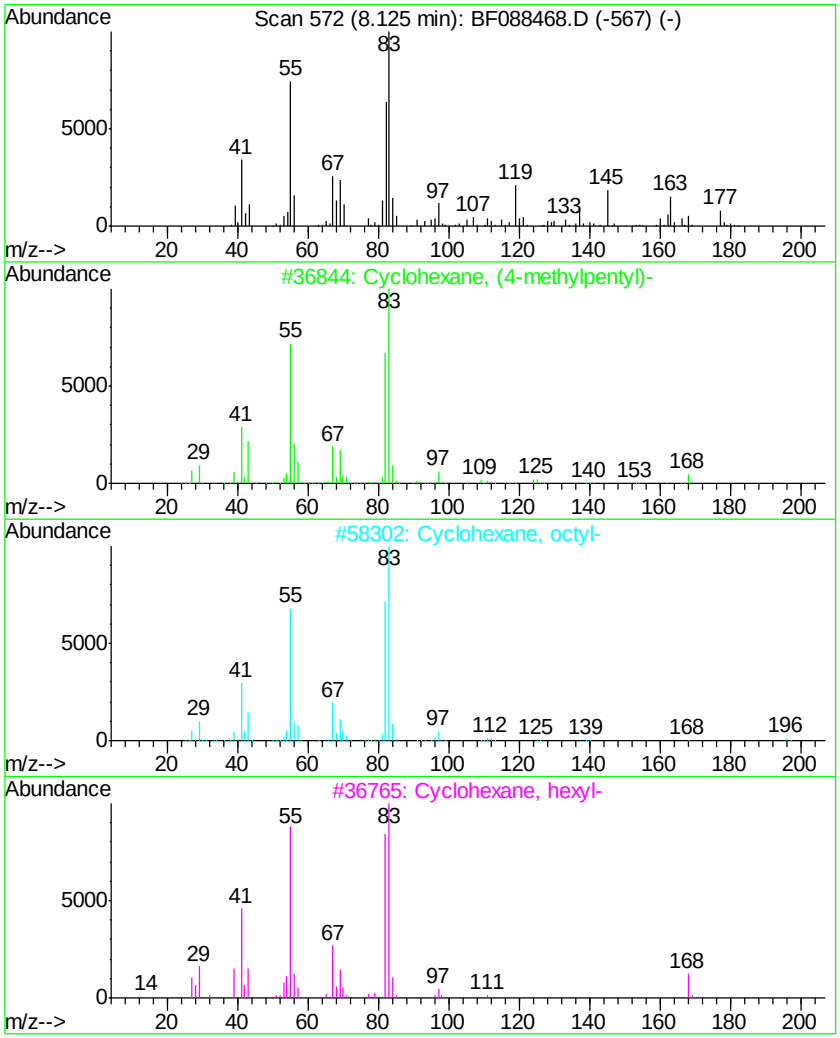
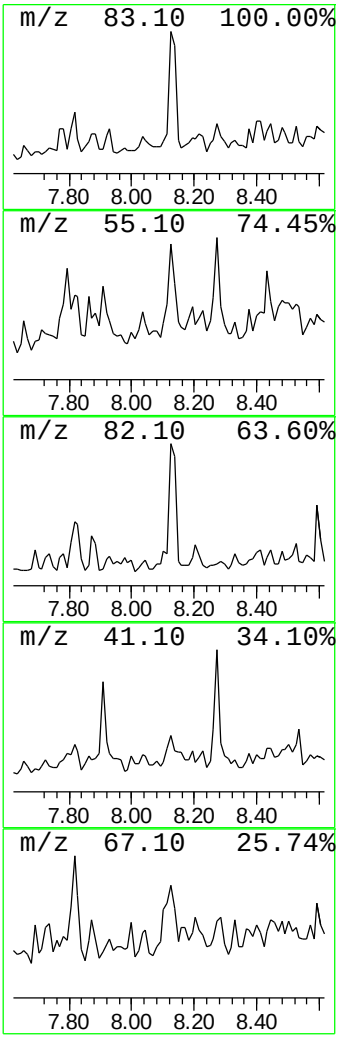
Peak Number 14 Cyclohexane, (4-methylpentyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	17.95 ng	1115200	Naphthalene-d8	7.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	64
2	Cyclohexane, octyl-	196	C14H28	001795-15-9	59
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	59
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	53





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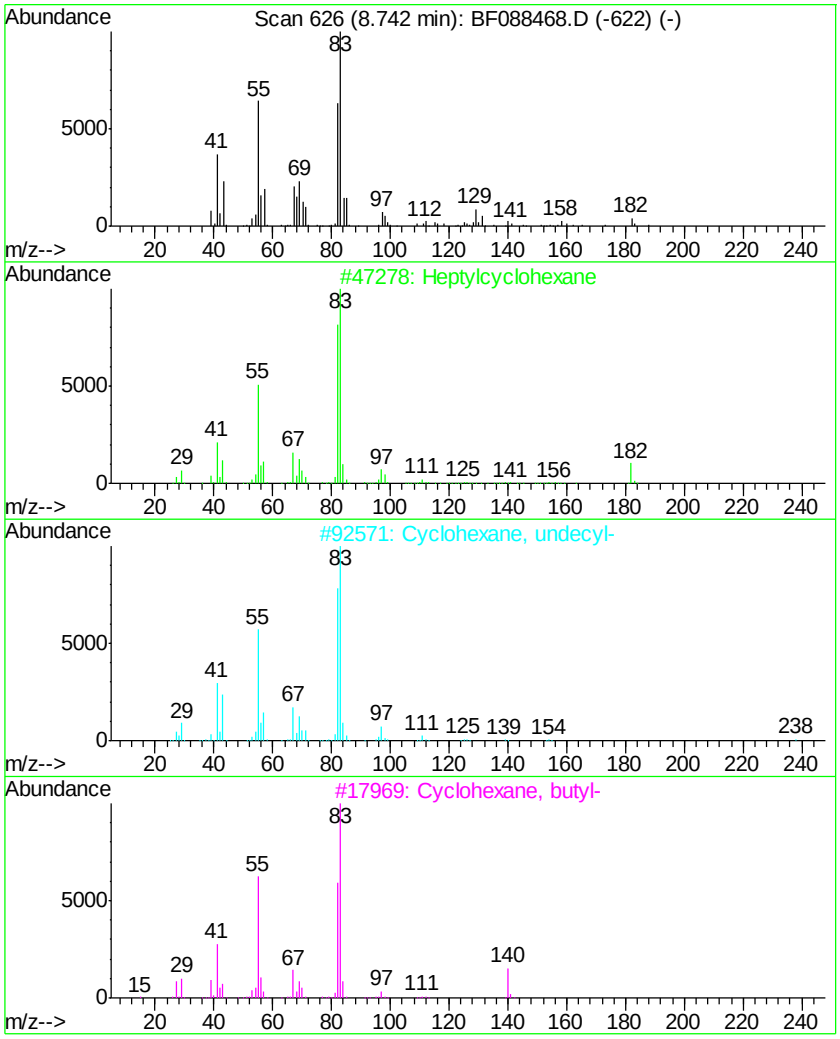
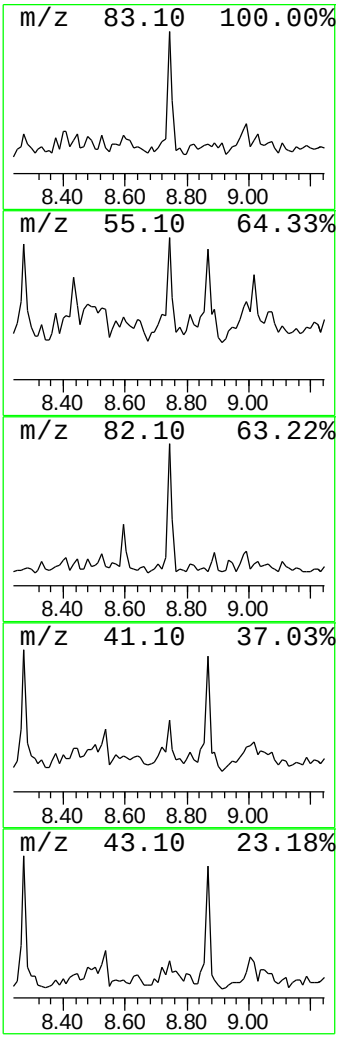
Peak Number 15 Heptylcyclohexane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	18.75 ng	641833	Acenaphthene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	86
2	Cyclohexane, undecyl-	238	C17H34	054105-66-7	72
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	64





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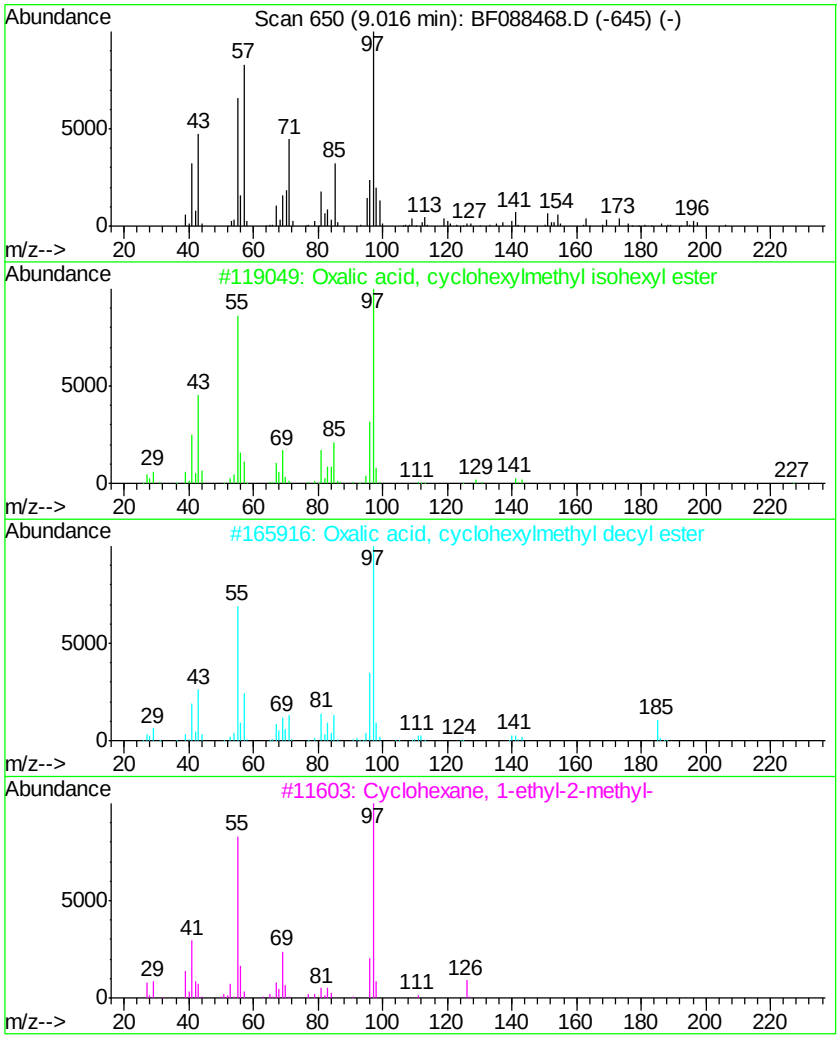
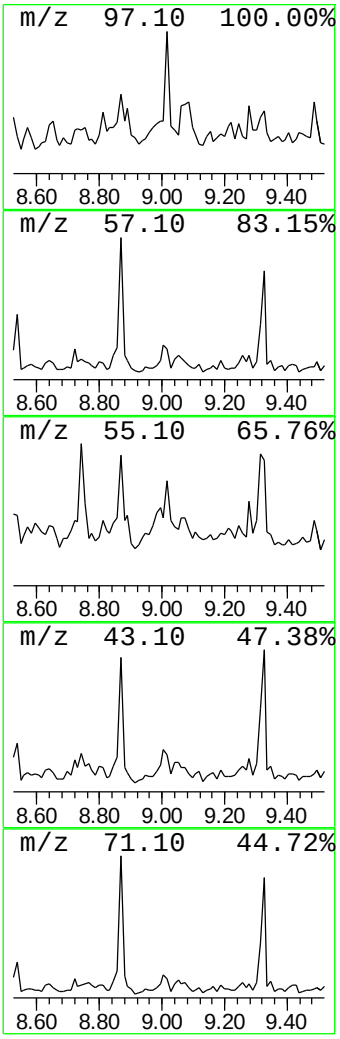
Peak Number 16 unknown9.02 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	19.05 ng	651817	Acenaphthene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	43
2	Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	38
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	35
4	Succinic acid, di(2-methylcycloh...	310	C18H30O4	1000329-83-0	35
5	Oxalic acid, cyclohexylmethyl no...	312	C18H32O4	1000309-68-6	27





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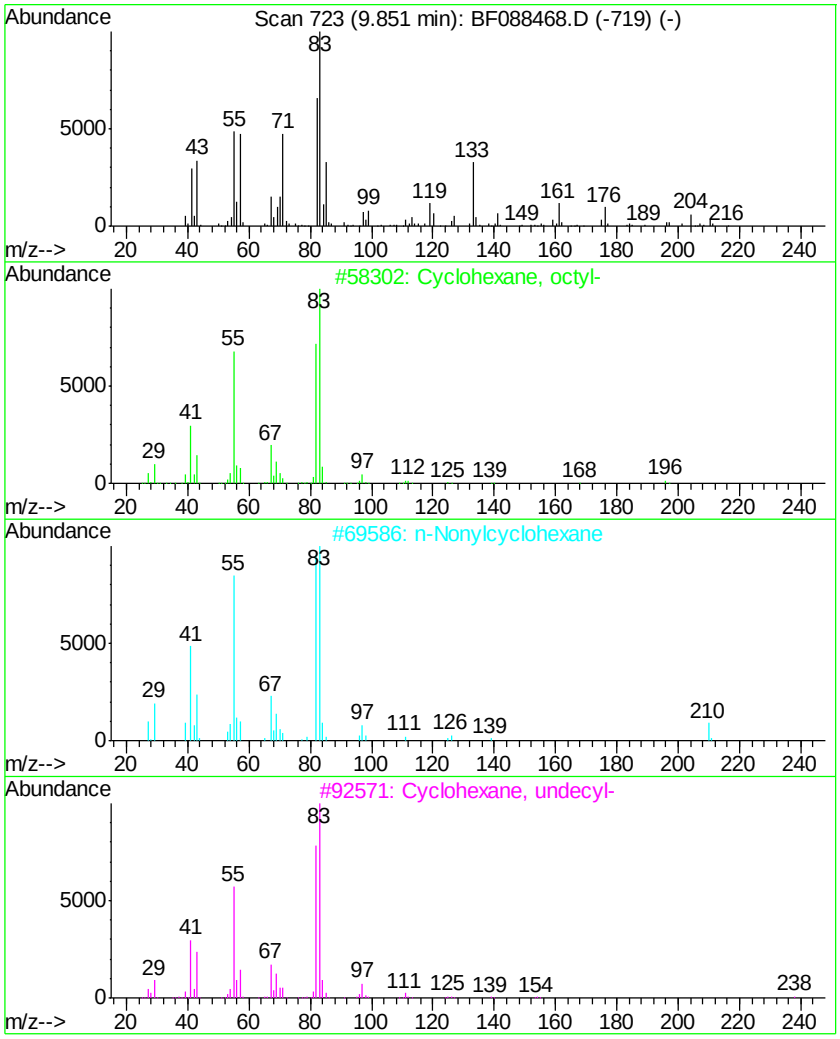
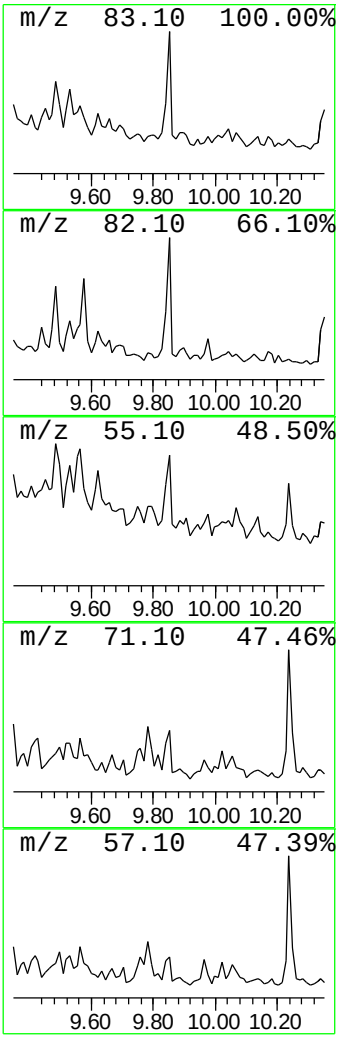
Peak Number 17 Cyclohexane, octyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	13.33 ng	456265	Acenaphthene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, octyl-	196	C14H28	001795-15-9	86
2	n-Nonylcyclohexane	210	C15H30	002883-02-5	55
3	Cyclohexane, undecyl-	238	C17H34	054105-66-7	46
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	45
5	Heptylcyclohexane	182	C13H26	005617-41-4	43





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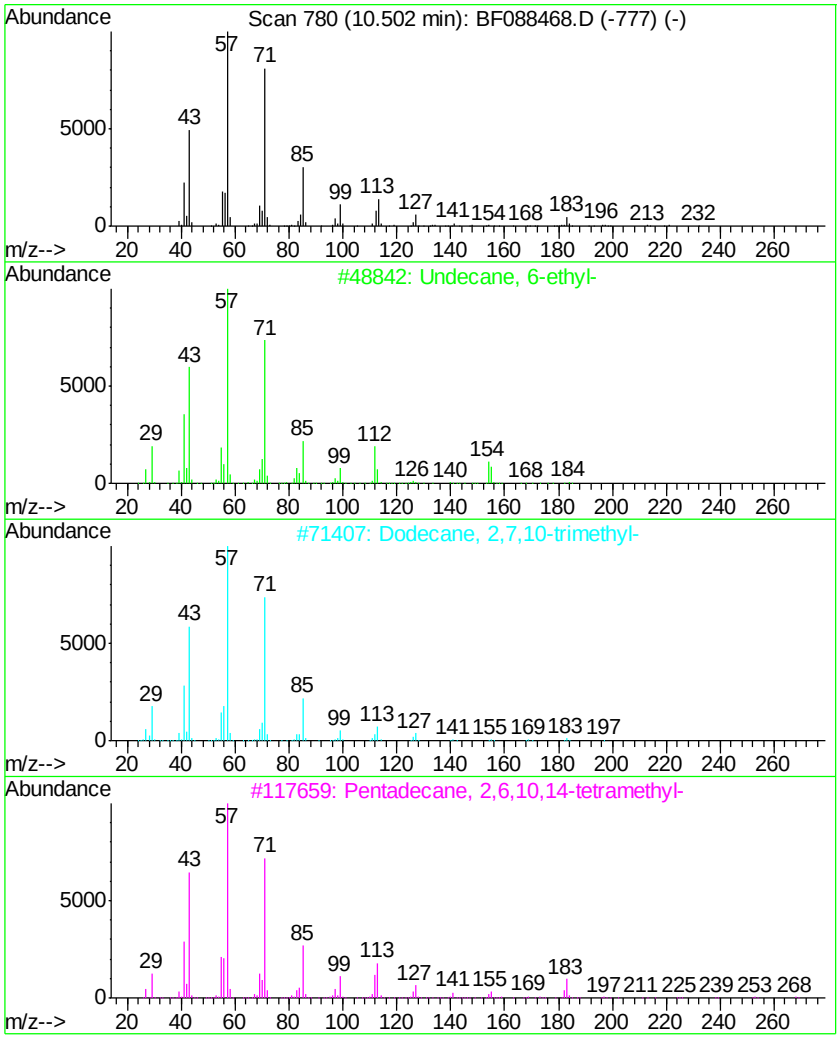
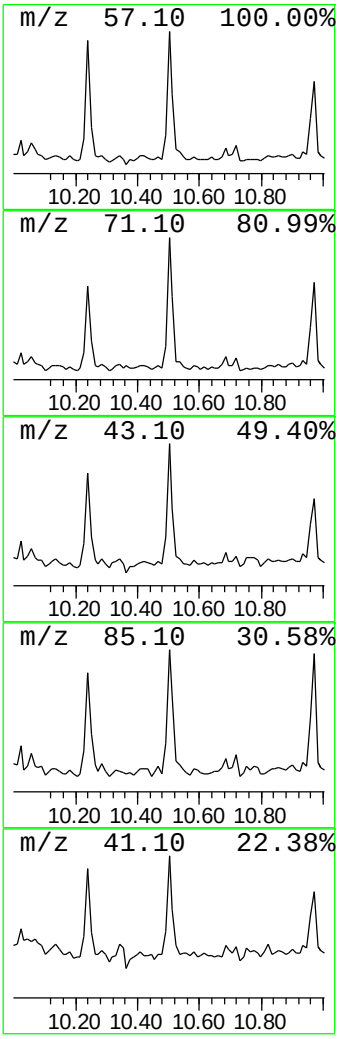
Peak Number 18 Undecane, 6-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	24.21 ng	505792	Phenanthrene-d10	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-ethyl-	184	C13H28	017312-60-6	90
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
4	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72
5	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	72





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Instrument : BNA_F
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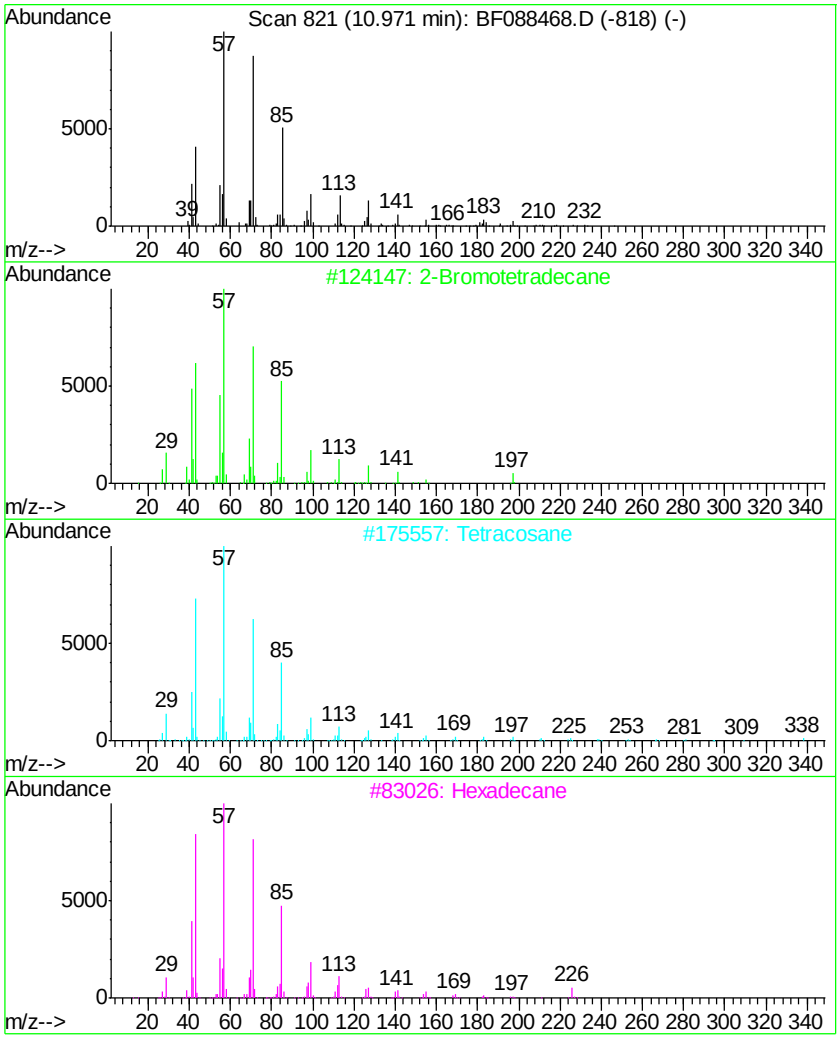
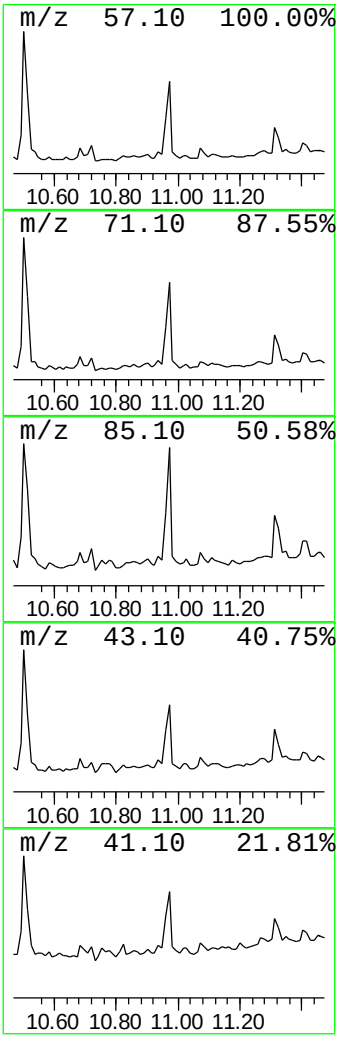
Peak Number 19 2-Bromotetradecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	15.09 ng	315224	Phenanthrene-d10	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromotetradecane	276	C14H29Br	074036-95-6	87
2	Tetracosane	338	C24H50	000646-31-1	87
3	Hexadecane	226	C16H34	000544-76-3	87
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
5	Pentadecane	212	C15H32	000629-62-9	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
Data File : BF088468.D
Acq On : 27 Jun 2016 23:19
Operator : UM/SJ
Sample : H3630-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1409-TP03E-1224

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

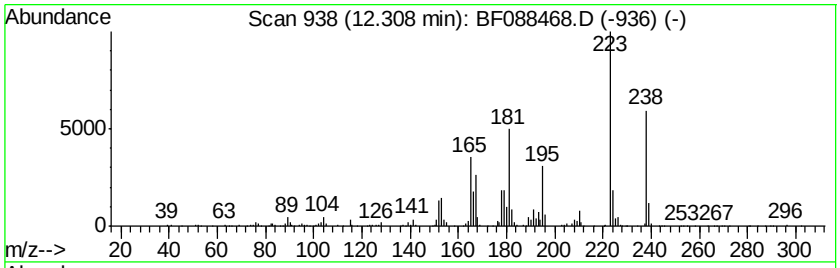
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

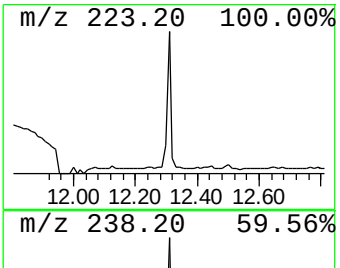
****

Peak Number 20 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	13.36 ng	279052	Phenanthrene-d10	11.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	58
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	53
4	4-tert-Butyl-benzophenone	238	C17H18O	022679-54-5	47
5	4,4'-Diacetyl biphenyl	238	C16H14O2	000787-69-9	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062716\
Data File : BF088468.D
Acq On : 27 Jun 2016 23:19
Operator : UM/SJ
Sample : H3630-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1409-TP03E-1224

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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
Cyclohexane, propyl-	5.76	30.3	ng	479704	1	6.55	316701	20.0
Heptane, 3-ethyl-...	5.83	19.1	ng	302961	1	6.55	316701	20.0
Octane, 4-ethyl-	5.96	24.3	ng	384301	1	6.55	316701	20.0
Nonane, 4-methyl-	6.03	35.8	ng	566621	1	6.55	316701	20.0
Cyclohexane, 1-et...	6.27	19.4	ng	307306	1	6.55	316701	20.0
unknown6.32	6.32	126.0	ng	1995650	1	6.55	316701	20.0
unknown6.49	6.49	24.4	ng	386869	1	6.55	316701	20.0
Sulfurous acid, n...	6.60	21.3	ng	336931	1	6.55	316701	20.0
Benzene, 1,4-diet...	6.80	33.5	ng	530655	1	6.55	316701	20.0
Naphthalene, deca...	6.92	18.0	ng	284779	1	6.55	316701	20.0
cis-Decalin, 2-sy...	7.46	15.7	ng	975871	2	7.83	1242230	20.0
Cyclohexane, (4-m...	8.12	17.9	ng	1115200	2	7.83	1242230	20.0
Heptylcyclohexane	8.74	18.8	ng	641833	3	9.58	684442	20.0
unknown9.02	9.02	19.1	ng	651817	3	9.58	684442	20.0
Cyclohexane, octyl-	9.85	13.3	ng	456265	3	9.58	684442	20.0
Undecane, 6-ethyl-	10.50	24.2	ng	505792	4	11.05	417829	20.0
2-Bromotetradecane	10.97	15.1	ng	315224	4	11.05	417829	20.0
10,18-Bisnorabiet...	12.31	13.4	ng	279052	4	11.05	417829	20.0