LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

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-BF050916.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	1.632	3	4	12	rVB	239465	394740	4.17%	0.224%
2	1.735	12	13	28	rVB	2133519	3823283	40.40%	2.170%
3	3.335	136	153	155	rBV2	16903	108141	1.14%	0.061%
4	4.353	229	242	249	rBV2	48496	231477	2.45%	0.131%
5	4.741	274	276	279	rBV	151138	223494	2.36%	0.127%
6	4.856	285	286	291	rBV	150128	279763	2.96%	0.159%
7	4.970	291	296	300	rVB2	48990	133445	1.41%	0.076%
8	5.073	300	305	307	rBV	94090	150463	1.59%	0.085%
9	5.199	314	316	324	rBV	1829242	2086440	22.05%	1.184%
10	5.347	328	329	333	rBV2	159641	262847	2.78%	0.149%
11	5.416	333	335	338	rBV3	143320	348547	3.68%	0.198%
12	5.461	338	339	340	rBV	131328	119884	1.27%	0.068%
13	5.530	343	345	347	rVB	166292	226891	2.40%	0.129%
14	5.633	351	354	357	rBV	573069	543873	5.75%	0.309%
15	5.850	357	373	378	rVB	320810	1865248	19.71%	1.059%
16	5.930	378	380	385	rVB3	192702	353504	3.74%	0.201%
17	6.010	385	387	389	rBV	166474	289907	3.06%	0.165%
18	6.067	389	392	393	rVB2	168029	262465	2.77%	0.149%
19	6.101	393	395	400	rVB3	266761	543793	5.75%	0.309%
20	6.216	403	405	406	rBV2	119800	151493	1.60%	0.086%
21	6.250	406	408	409	rBV	475457	590078	6.24%	0.335%
22	6.307	409	413	417	rBV	619748	1328235	14.04%	0.754%
23	6.387	417	420	423	rBV	3222061	3778432	39.93%	2.145%
24	6.502	427	430	432	rBV2	646248	958321	10.13%	0.544%
25	6.547	432	434	435	rBV	181565	321416	3.40%	0.182%
26	6.570	435	436	437	rBV	219215	241113	2.55%	0.137%
27	6.627	437	441	444	rBV4	932285	2315567	24.47%	1.314%
28	6.684	444	446	449	rVB2	722163	1431405	15.13%	0.812%
29	6.764	451	453	457	rBV	2862985	4297939	45.42%	2.439%
30	6.833	457	459	461	rVB2	732572	911329	9.63%	0.517%
31	6.867	461	462	466	rBV4	105903	135611	1.43%	0.077%
32	6.959	467	470	473	rBV	597072	791431	8.36%	0.449%
33	7.039	475	477	478	rBV2	191068	272760	2.88%	0.155%
34	7.096	478	482	484	rBV	1068217	2412227	25.49%	1.369%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

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-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.142	484	486	488	rVB	1564511	1639794	17.33%	0.931%
36	7.187	488	490	492	rBV2	2507779	3765141	39.79%	2.137%
37	7.233	492	494	495	rBV2	374450	630992	6.67%	0.358%
38	7.267	495	497	501	rVB4	1191889	2292333	24.22%	1.301%
39	7.347	501	504	505	rBV2	512488	722027	7.63%	0.410%
40	7.393	505	508	510	rBV4	643059	1426879	15.08%	0.810%
41	7.496	514	517	520	rBV4	819170	2607789	27.56%	1.480%
42	7.587	522	525	528	rVB3	1629487	2835264	29.96%	1.609%
43	7.656	528	531	535	rVB5	1314480	3375678	35.67%	1.916%
44	7.747	535	539	541	rBV3	3342037	6434611	68.00%	3.652%
45	7.804	541	544	547	rBV5	1386064	3535301	37.36%	2.007%
46	7.919	550	554	557	rBV3	3261847	6284999	66.42%	3.567%
47	8.044	561	565	570	rBV5	1802247	6893867	72.85%	3.913%
48	8.159	570	575	576	rBV3	1514509	2582344	27.29%	1.466%
49	8.262	579	584	585	rBV3	1412280	3652953	38.60%	2.073%
50	8.296	585	587	590	rVB3	759129	1106643	11.69%	0.628%
51	8.410	590	597	600	rVB5	1809650	7471192	78.95%	4.240%
52	8.467	600	602	603	rBV2	598471	1017488	10.75%	0.578%
53	8.513	604	606	608	rVB2	2015975	2508278	26.51%	1.424%
54	8.582	608	612	613	rBV3	1792392	3878381	40.98%	2.201%
55	8.627	614	616	618	rVB3	2523135	4012193	42.40%	2.277%
56	8.707	618	623	624	rBV3	5286824	9463161	100.00%	5.371%
57	8.730	624	625	627	rVB	2110953	2724953	28.80%	1.547%
58	8.776	627	629	630	rBV2	795740	1181515	12.49%	0.671%
59	8.867	634	637	640	rBV3	2471582	5482062	57.93%	3.112%
60	8.947	640	644	646	rBV4	2622132	6937910	73.31%	3.938%
61	8.993	646	648	650	rVV	3166480	4980761	52.63%	2.827%
62	9.027	650	651	652	rVV	2539571	1772877	18.73%	1.006%
63	9.062	652	654	655	rVV2	1510213	1146938	12.12%	0.651%
64	9.439	685	687	690	rBV4	1757793	4712538	49.80%	2.675%
65	9.702	708	710	711	rBV	772259	1164335	12.30%	0.661%
66	9.919	727	729	730	rBV2	1368719	1646072	17.39%	0.934%
67	9.988	730	735	736	rVV3	1213705	3751760	39.65%	2.129%
68	10.136	745	748	750	rBV4	1072704	3218824	34.01%	1.827%
69	10.262	756	759	762	rBV4	1370781	3223277	34.06%	1.829%
70	10.365	765	768	769	rBV2	1512696	2848339	30.10%	1.617%
71	10.468	775	777	778	rVB2	1455013	1868513	19.75%	1.061%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

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-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.536	781	783	787	rBV3	1199305	2161856	22.84%	1.227%
73	10.605	787	789	791	rBV	858189	1442883	15.25%	0.819%
74	10.730	797	800	803	rBV4	814349	1930820	20.40%	1.096%
75	11.016	822	825	826	rBV	360915	700061	7.40%	0.397%
76	11.142	833	836	844	rVB	1454636	3475891	36.73%	1.973%
77	11.576	872	874	876	rBV	231380	475331	5.02%	0.270%
78	11.702	883	885	894	rVB3	694043	1615695	17.07%	0.917%
79	11.919	901	904	910	rVB	561953	1109872	11.73%	0.630%
80	12.468	949	952	958	rVB	356189	449338	4.75%	0.255%
81	12.719	971	974	976	rBV	3615232	4054642	42.85%	2.301%
82	13.611	1050	1052	1059	rVB	92273	151708	1.60%	0.086%
83	13.748	1062	1064	1067	rBV	778580	861525	9.10%	0.489%
84	15.108	1180	1183	1186	rBV	690810	773623	8.18%	0.439%

Sum of corrected areas: 176186789

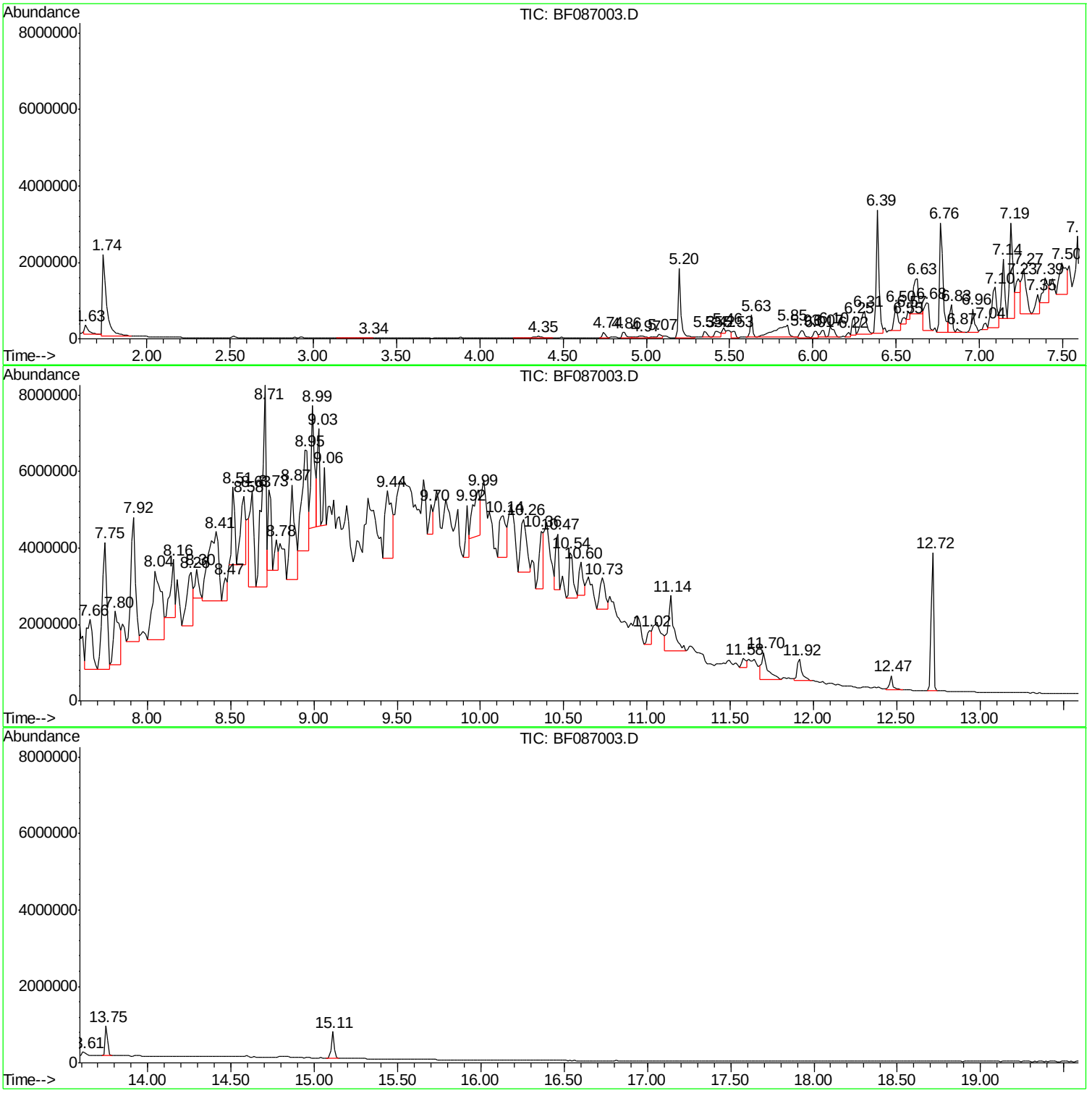
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

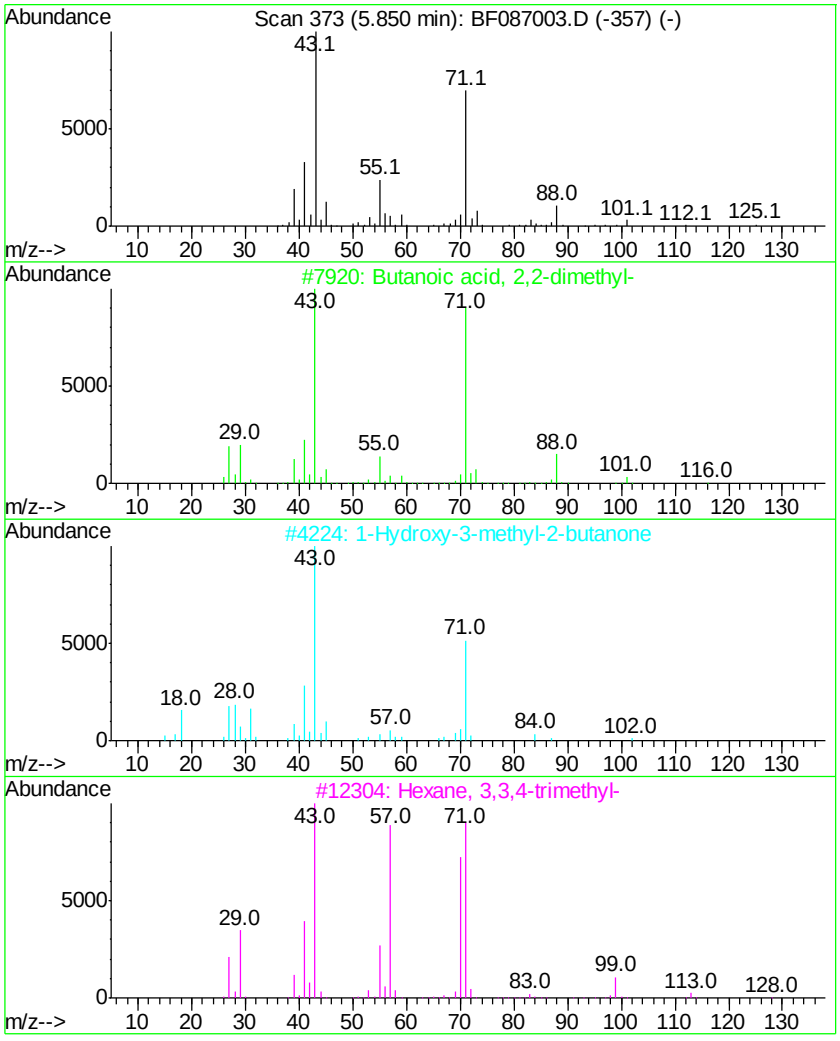
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

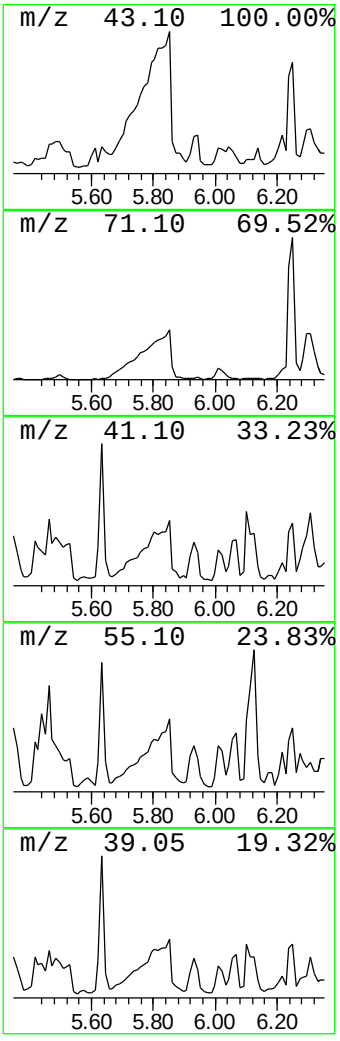
****

Peak Number 2 Butanoic acid, 2,2-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.85	16.11 ng	1865250	1,4-Dichlorobenzene-d4	6.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2,2-dimethyl-	116	C6H12O2	000595-37-9	78
2	1-Hydroxy-3-methyl-2-butanone	102	C5H10O2	036960-22-2	59
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	47
4	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	47
5	Ethanedioic acid, bis(3-methylbu...	230	C12H22O4	002051-00-5	45





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

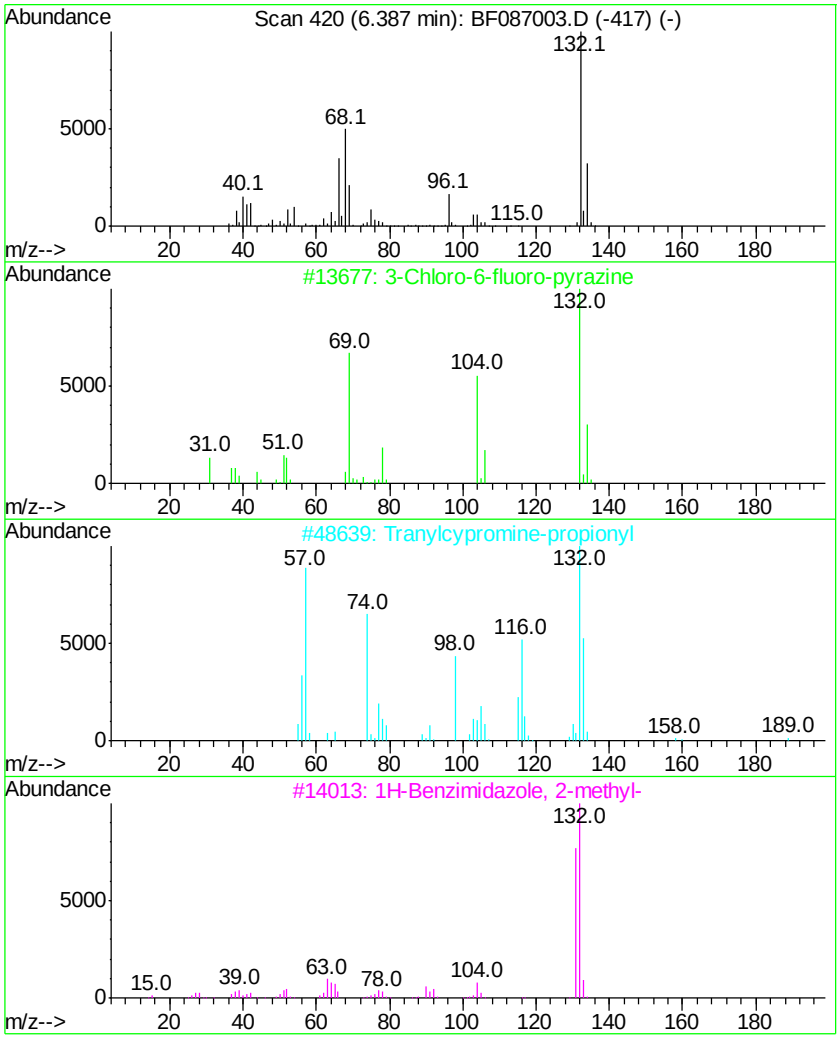
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

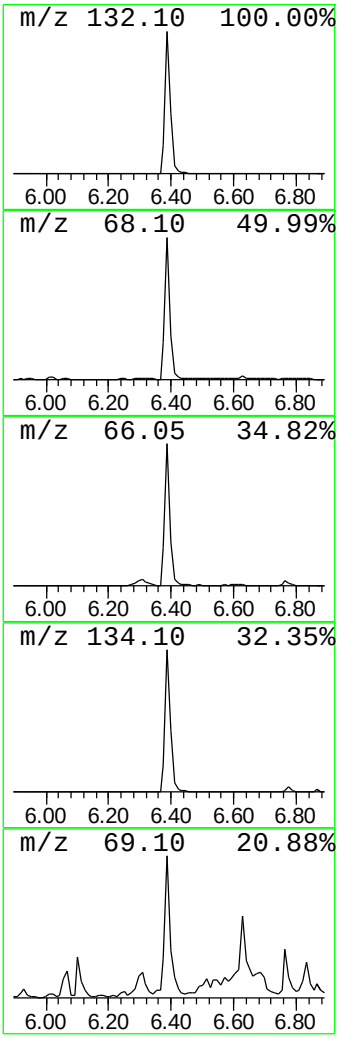
****

Peak Number 3 unknown6.39 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	32.64 ng	3778430	1,4-Dichlorobenzene-d4	6.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	5-Aminoindole	132	C8H8N2	005192-03-0	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

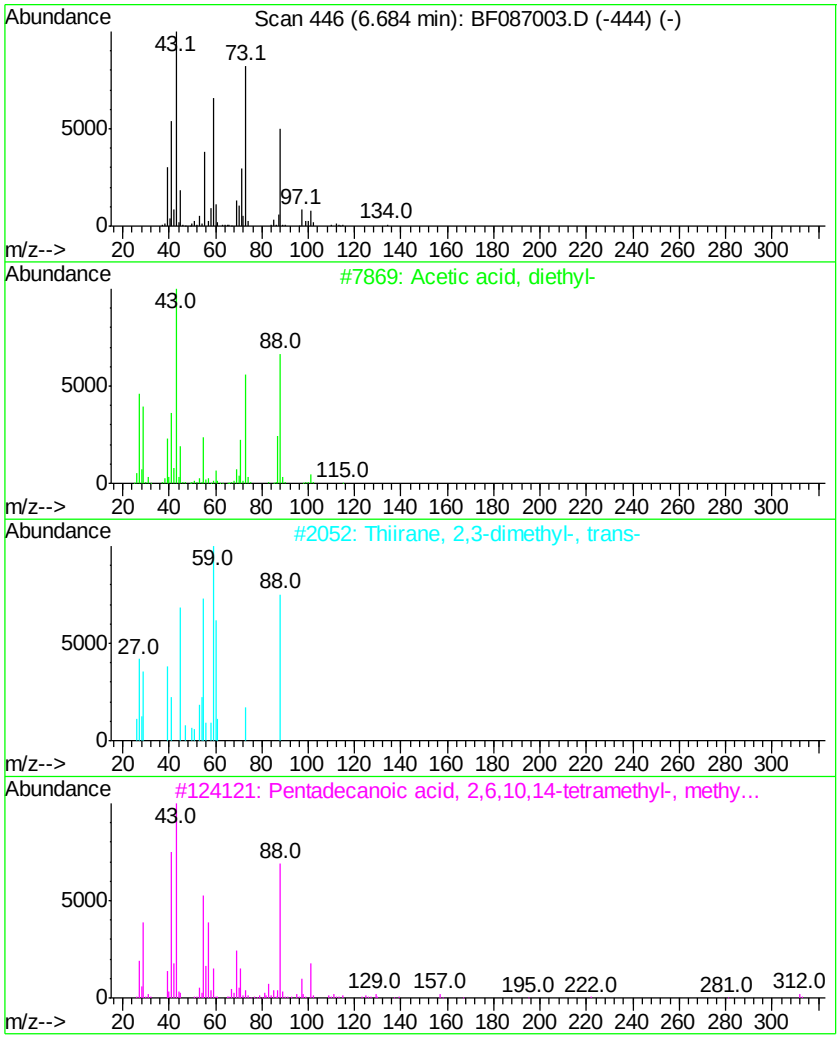
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

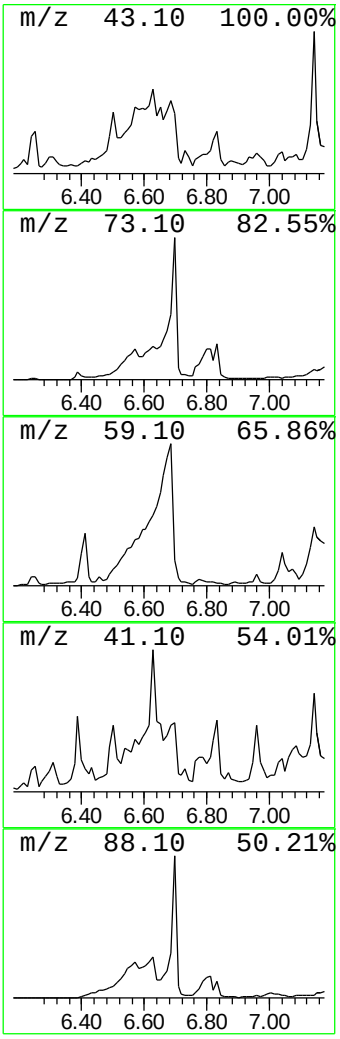
****

Peak Number 4 unknown6.68 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	12.36 ng	1431410	1,4-Dichlorobenzene-d4	6.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, diethyl-	116	C6H12O2	000088-09-5	38
2	Thiirane, 2,3-dimethyl-, trans-	88	C4H8S	005955-98-6	37
3	Pentadecanoic acid, 2,6,10,14-te...	312	C20H40O2	001001-80-5	32
4	Silane, trimethyl-	74	C3H10Si	000993-07-7	27
5	Propane, 1-ethoxy-	88	C5H12O	000628-32-0	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

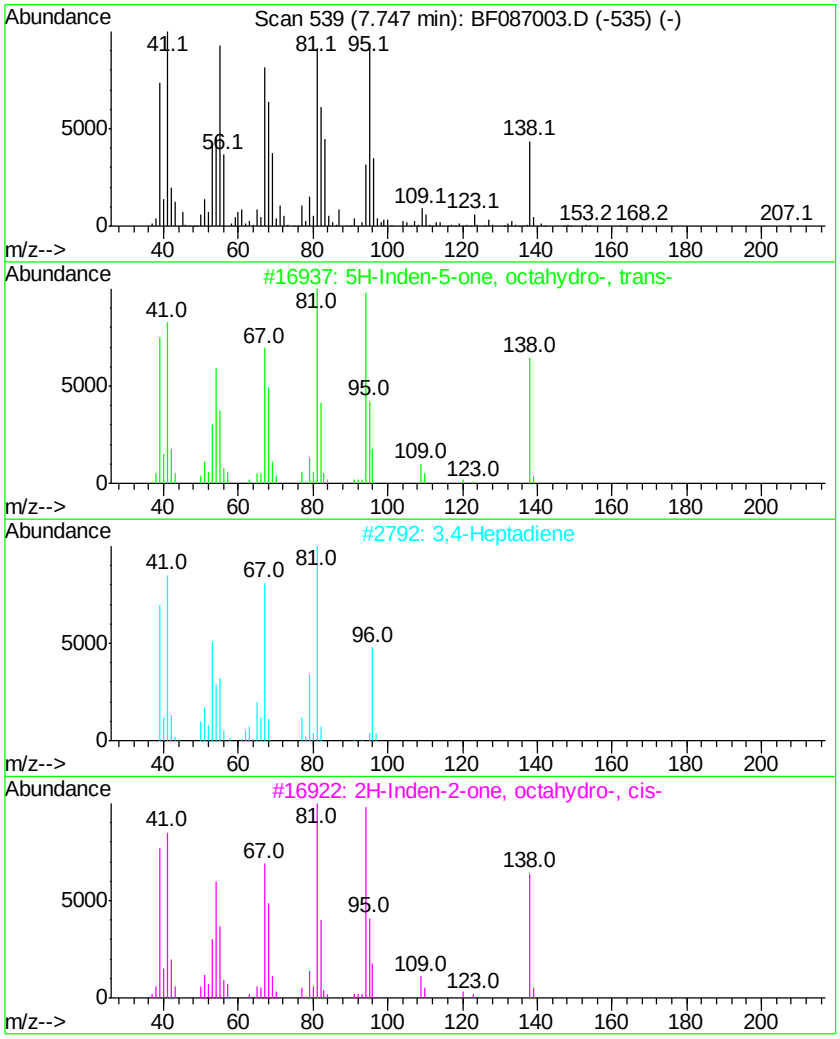
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

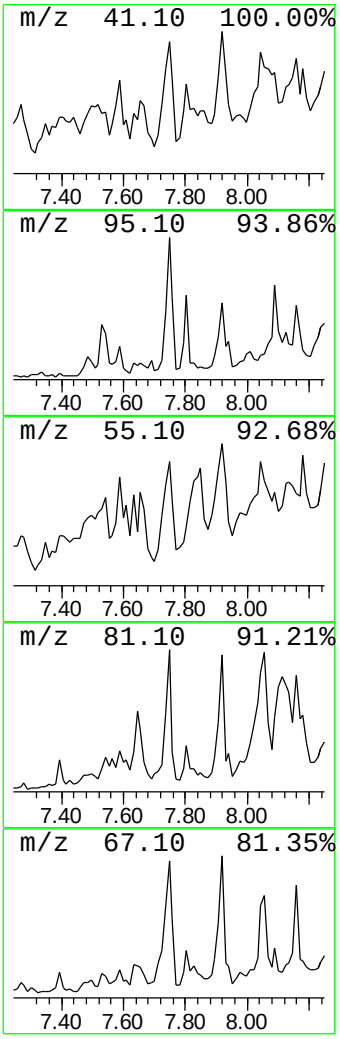
****

Peak Number 6 5H-Inden-5-one, octahydro-,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	20.48 ng	6434610	Naphthalene-d8	7.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Inden-5-one, octahydro-, trans-	138	C9H14O	004668-81-9	81
2	3,4-Heptadiene	96	C7H12	002454-31-1	68
3	2H-Inden-2-one, octahydro-, cis-	138	C9H14O	005689-04-3	64
4	Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	64
5	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	60





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

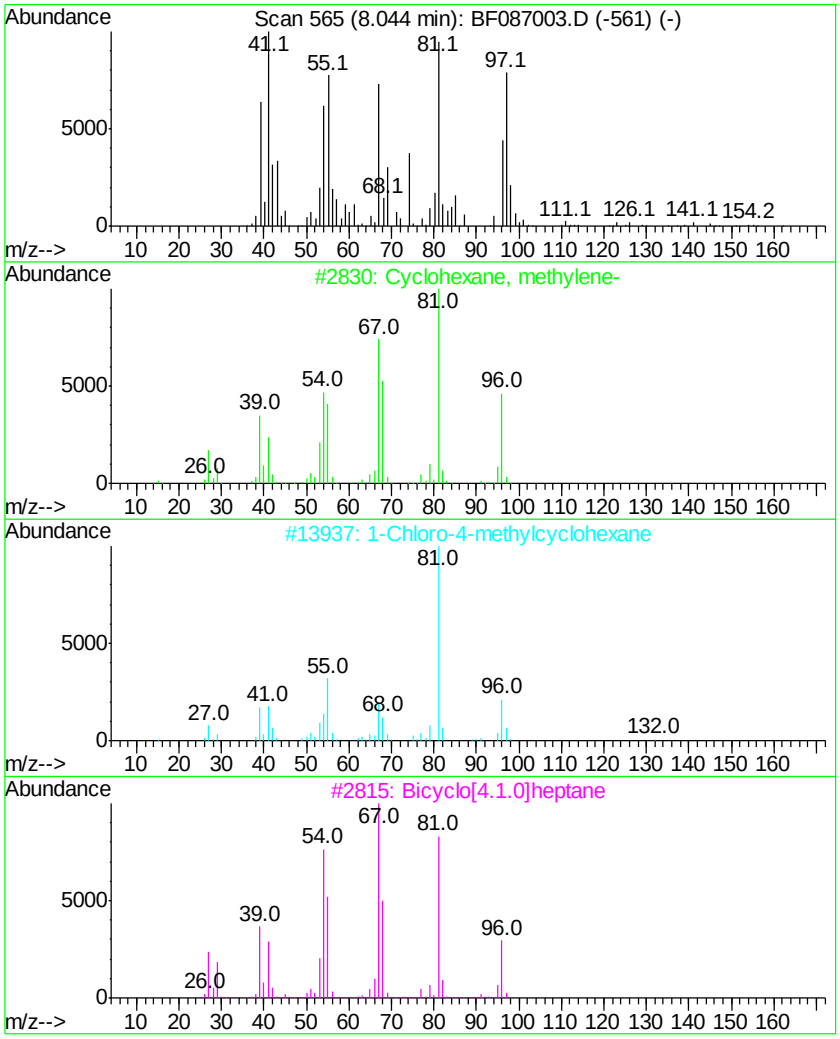
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

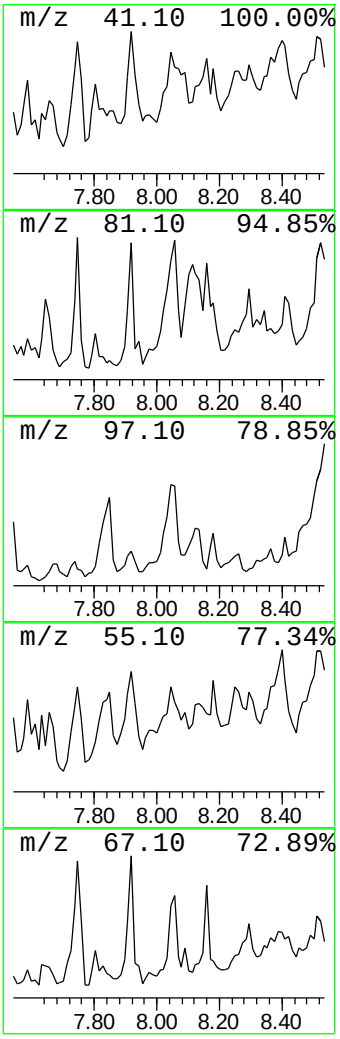
****

Peak Number 7 unknown8.04 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	21.94 ng	6893870	Naphthalene-d8	7.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methylene-	96	C7H12	001192-37-6	46
2	1-Chloro-4-methylcyclohexane	132	C7H13Cl	000931-68-0	43
3	Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	43
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	38
5	4-Methylcyclohexanol acetate	156	C9H16O2	022597-23-5	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

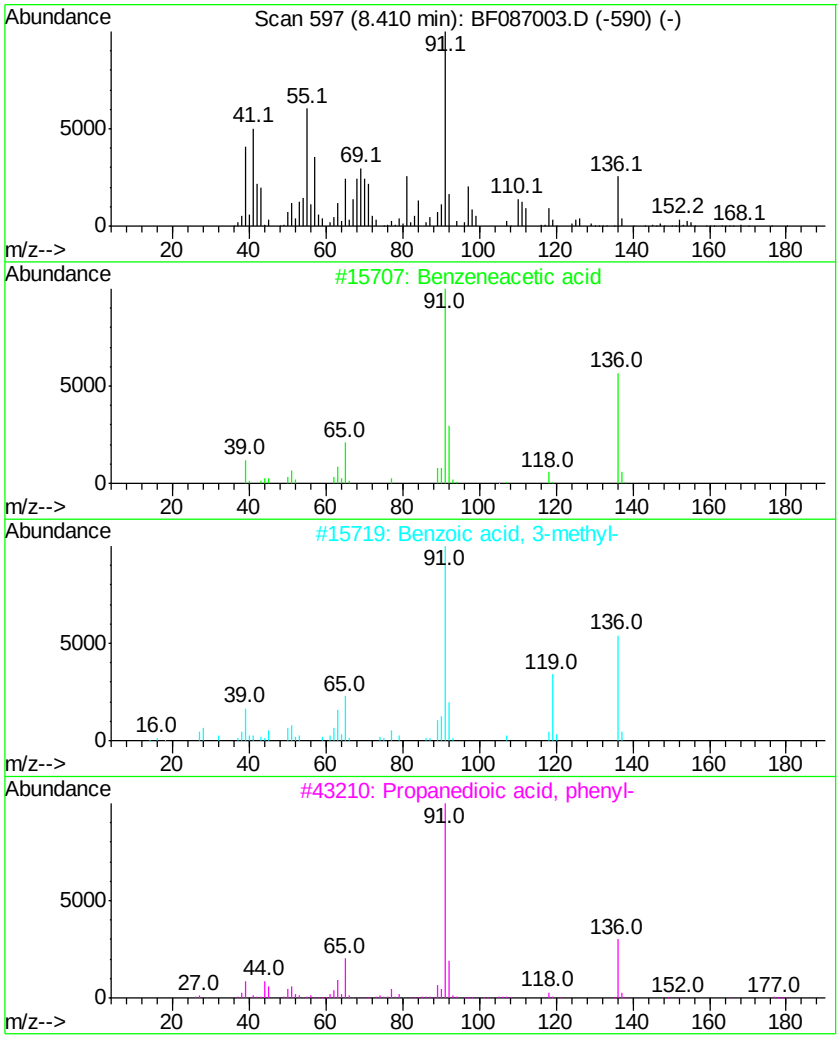
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

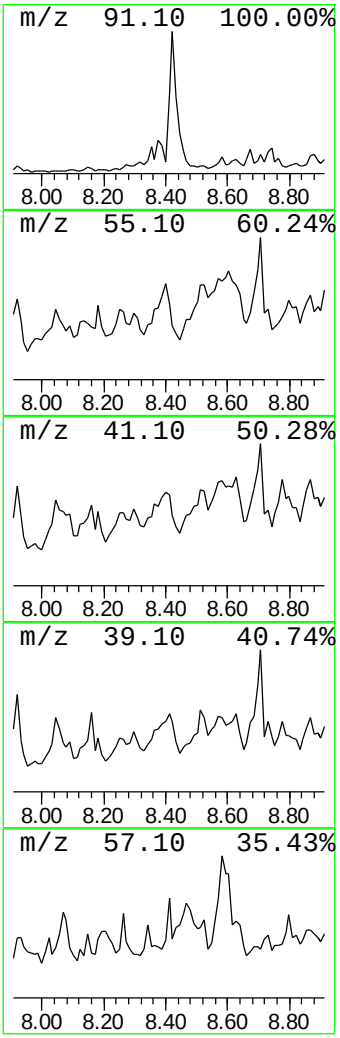
****

Peak Number 8 unknown8.41 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	23.77 ng	7471190	Naphthalene-d8	7.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid	136	C8H8O2	000103-82-2	38
2	Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	27
3	Propanedioic acid, phenyl-	180	C9H8O4	002613-89-0	25
4	Isopulegol	154	C10H18O	059905-53-2	18
5	7-Octenal, 3,7-dimethyl-	154	C10H18O	000141-26-4	18





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

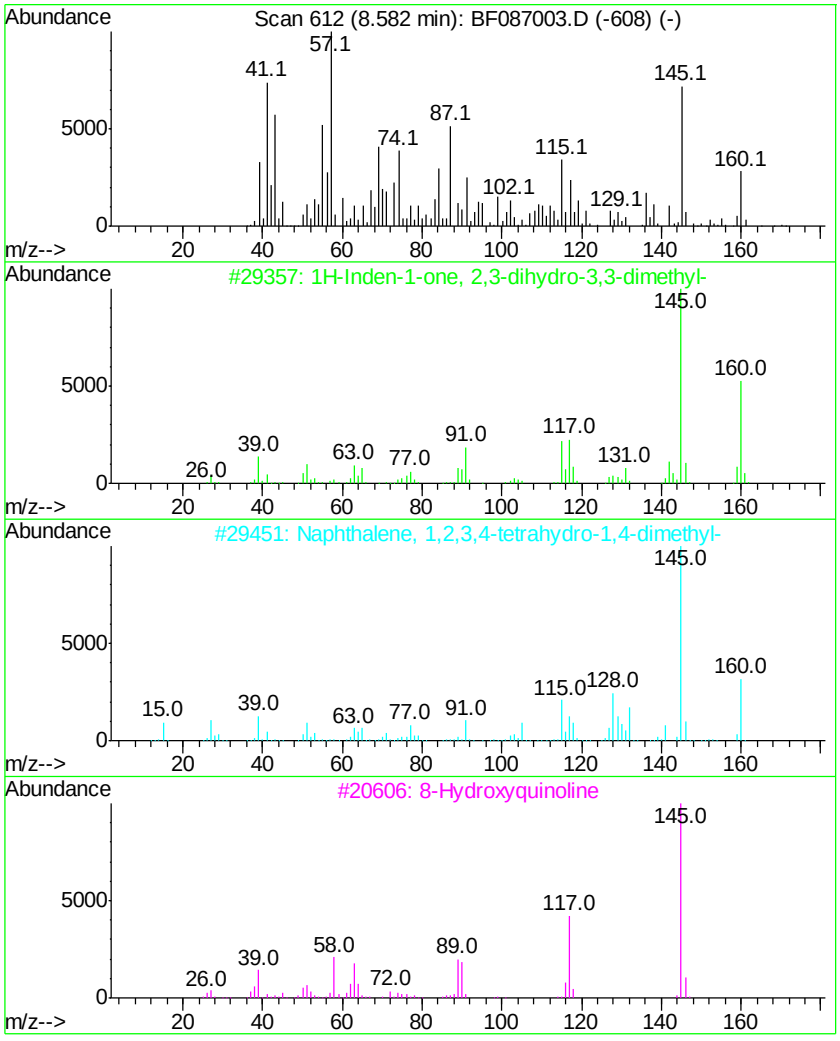
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

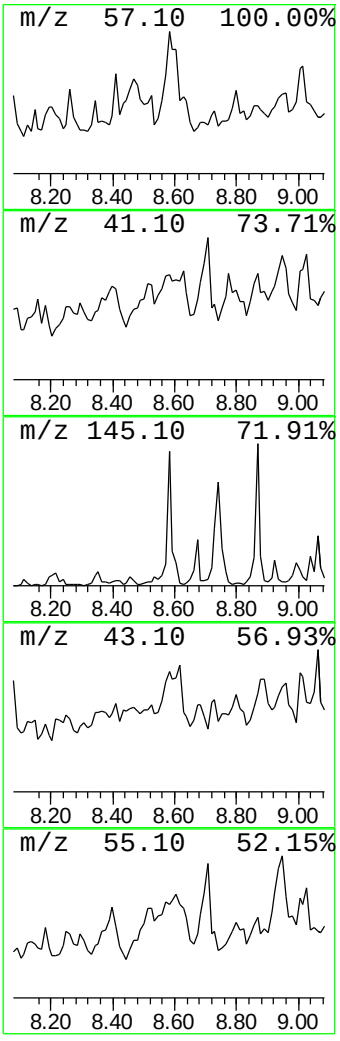
****

Peak Number 9 unknown8.58 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	12.34 ng	3878380	Naphthalene-d8	7.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	38
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	35
3	8-Hydroxyquinoline	145	C9H7NO	000148-24-3	15
4	5-Isoquinolinol	145	C9H7NO	002439-04-5	15
5	3-Phenyl-1H-1,2,4-triazole	145	C8H7N3	003357-42-4	15





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

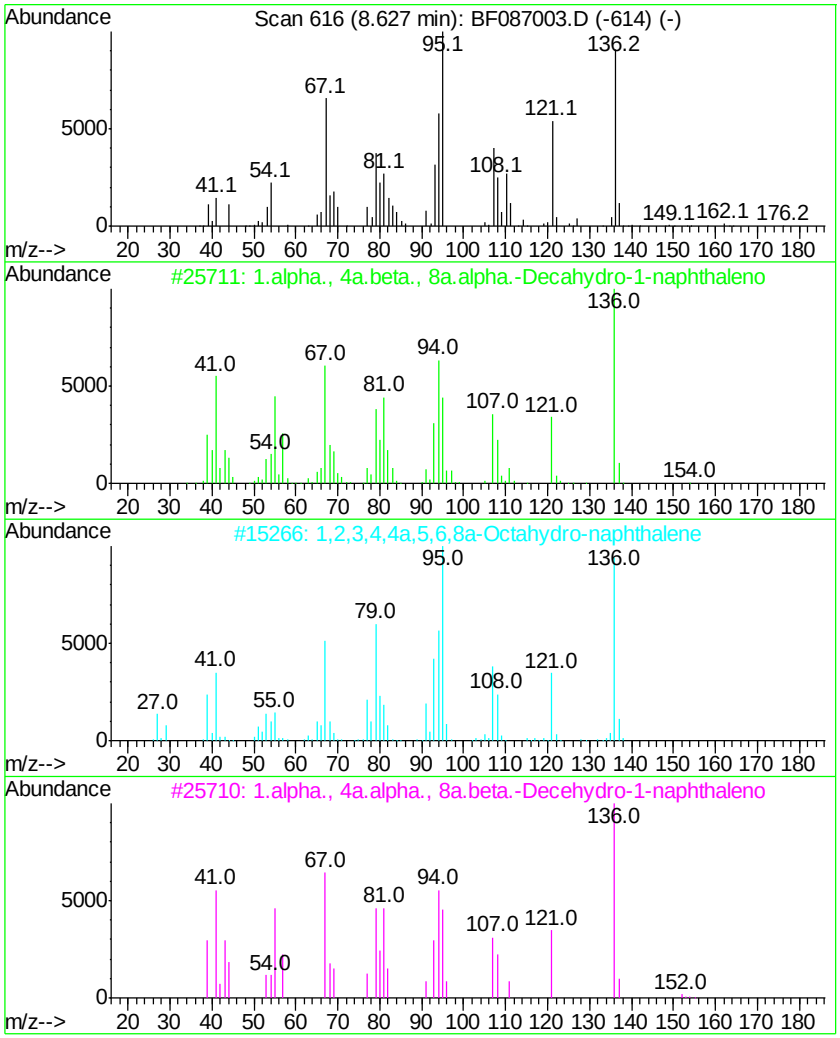
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

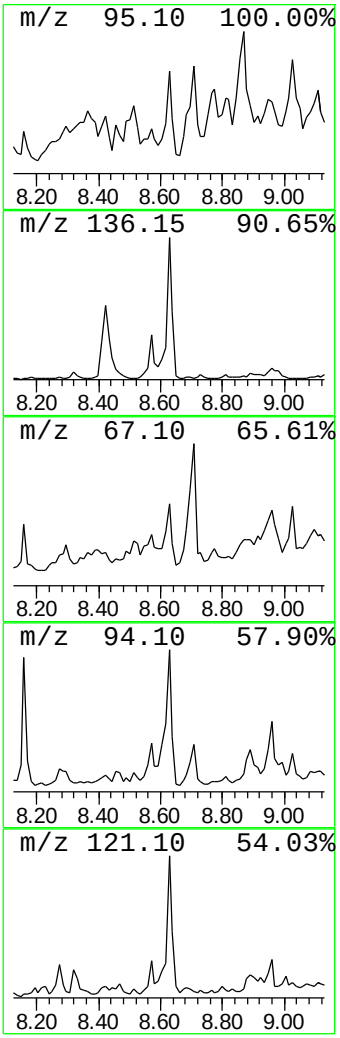
****

Peak Number 10 1.alpha., 4a.beta., 8a.alph... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	12.77 ng	4012190	Naphthalene-d8	7.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1.alpha., 4a.beta., 8a.alpha.-De...	154	C10H18O	036159-47-4	96
2	1,2,3,4,4a,5,6,8a-Octahydro-naph...	136	C10H16	031244-58-3	93
3	1.alpha., 4a.alpha., 8a.beta.-De...	154	C10H18O	002529-03-5	90
4	2.alpha., 4a.alpha., 8a.alpha.-D...	154	C10H18O	001424-36-8	90
5	2-Naphthalenol, decahydro-, (2.a...	154	C10H18O	002529-06-8	89





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

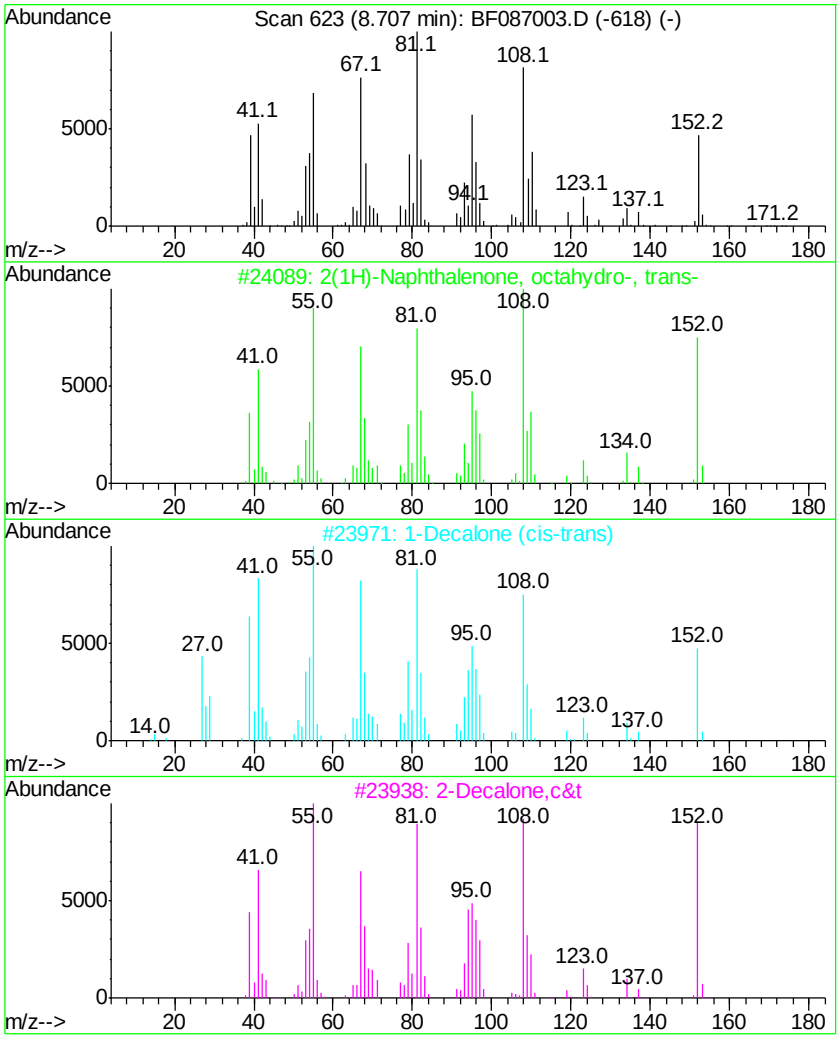
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

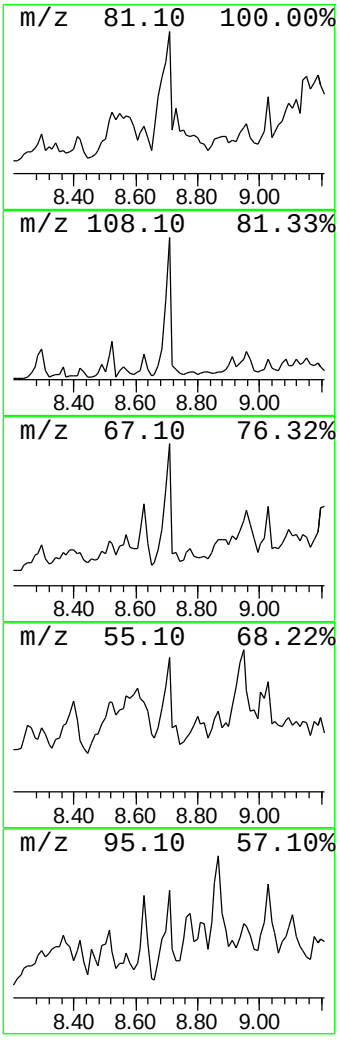
****

Peak Number 11 2(1H)-Naphthalenone, octahy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	30.11 ng	9463160	Naphthalene-d8	7.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Naphthalenone, octahydro-,...	152	C10H16O	016021-08-2	95
2	1-Decalone (cis-trans)	152	C10H16O	004832-16-0	93
3	2-Decalone,c&t	152	C10H16O	004832-17-1	90
4	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-01-6	70
5	Spiro[3.5]nonan-1-one, 5-methyl-...	152	C10H16O	065147-56-0	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

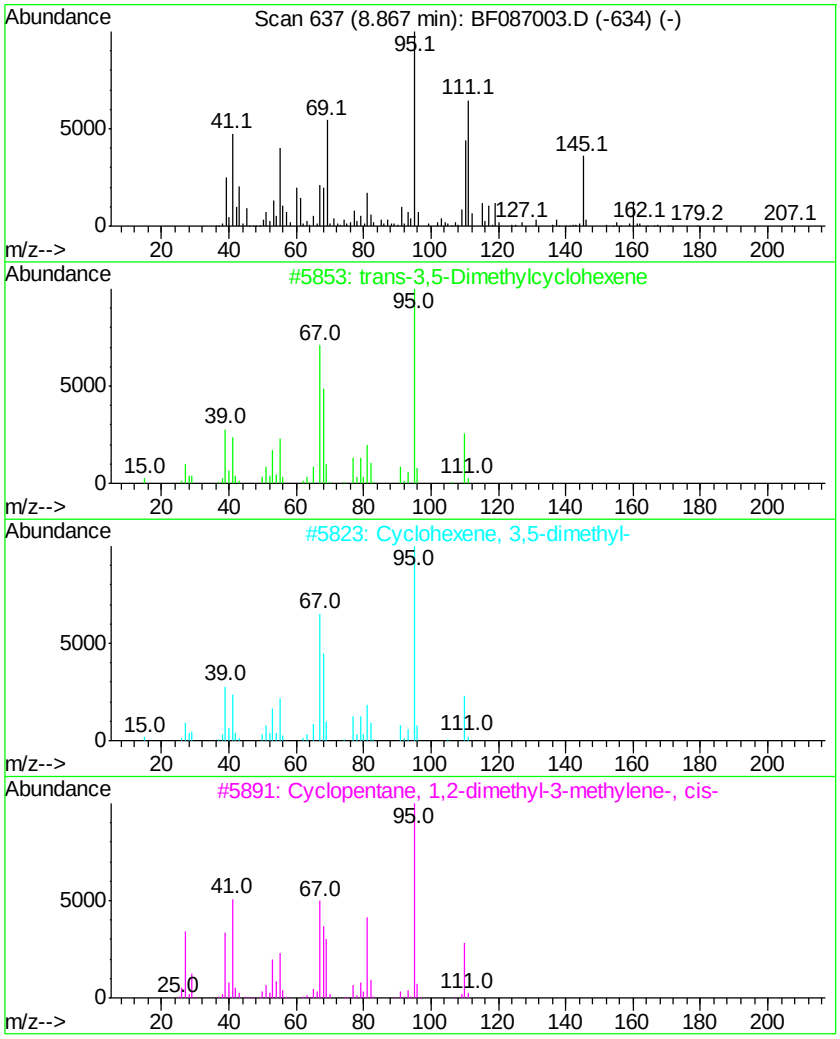
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

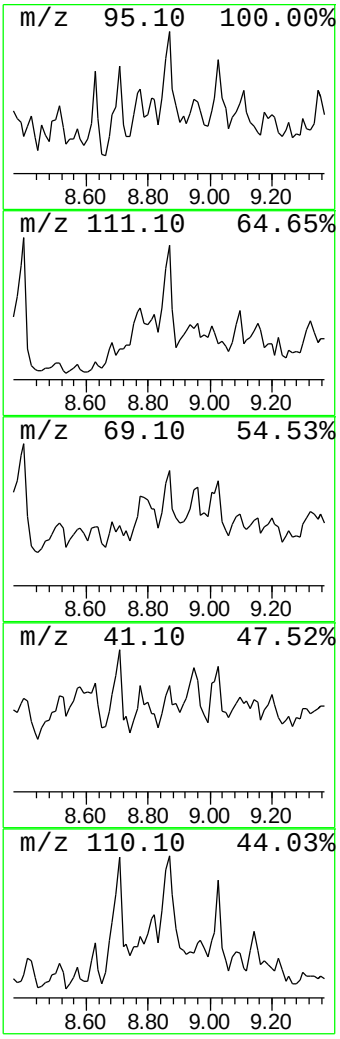
****

Peak Number 12 unknown8.87 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	94.17 ng	5482060	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-3,5-Dimethylcyclohexene	110	C8H14	056021-63-7	47
2	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	47
3	Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	47
4	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	43
5	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

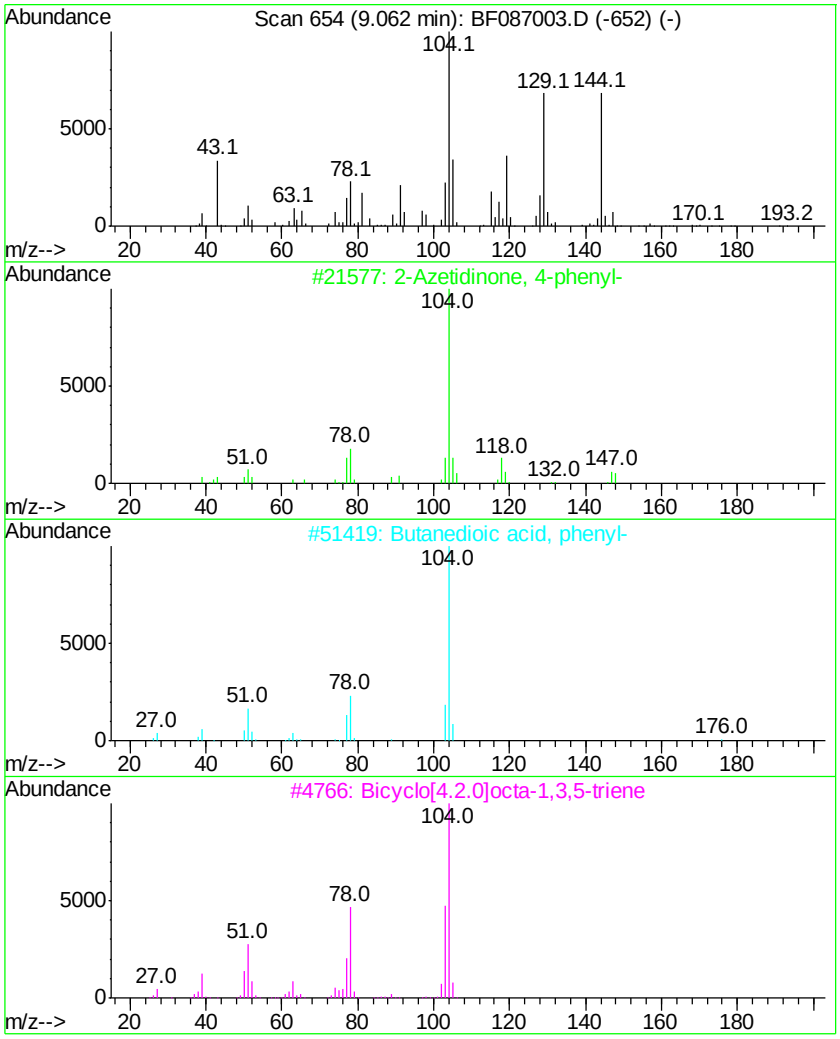
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

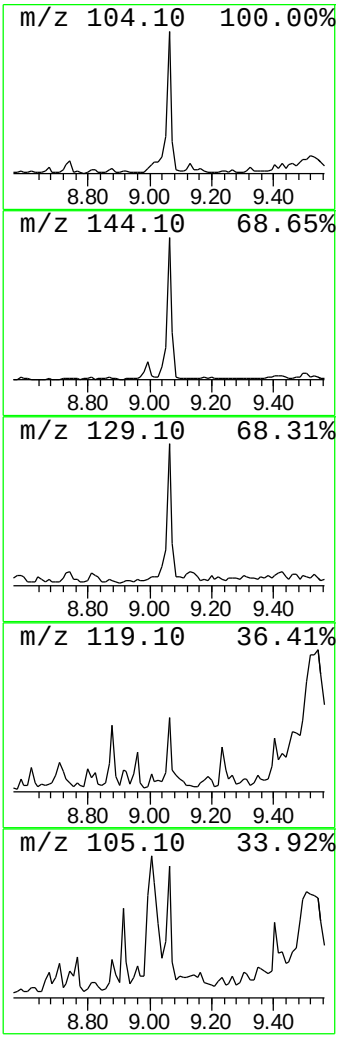
****

Peak Number 13 unknown9.06 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	19.70 ng	1146940	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Azetidinone, 4-phenyl-	147	C9H9NO	005661-55-2	38
2	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	35
3	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	27
4	Benzene, cyclobutyl-	132	C10H12	004392-30-7	27
5	3(2H)-Furanone, dihydro-2,2-dime...	190	C12H14O2	063678-00-2	16





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

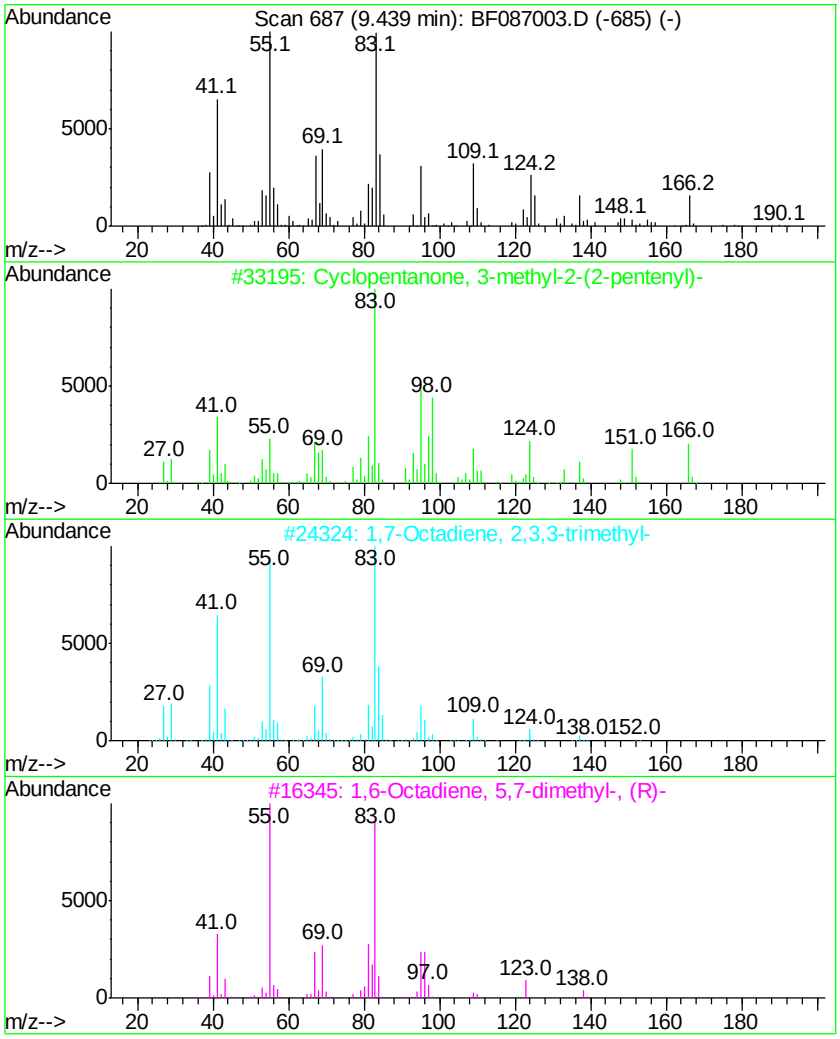
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

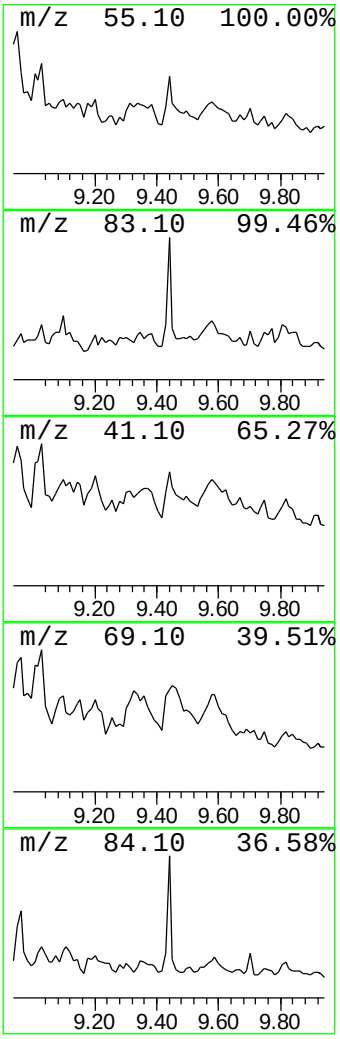
****

Peak Number 14 unknown9.44 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	80.95 ng	4712540	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 3-methyl-2-(2-pe...	166	C11H18O	007051-39-0	43
2	1,7-Octadiene, 2,3,3-trimethyl-	152	C11H20	1000150-47-7	43
3	1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	38
4	(E)-2-Hexenyl tiglate	182	C11H18O2	1000131-83-6	38
5	Hexane, 1-bromo-6-chloro-	198	C6H12BrCl	006294-17-3	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

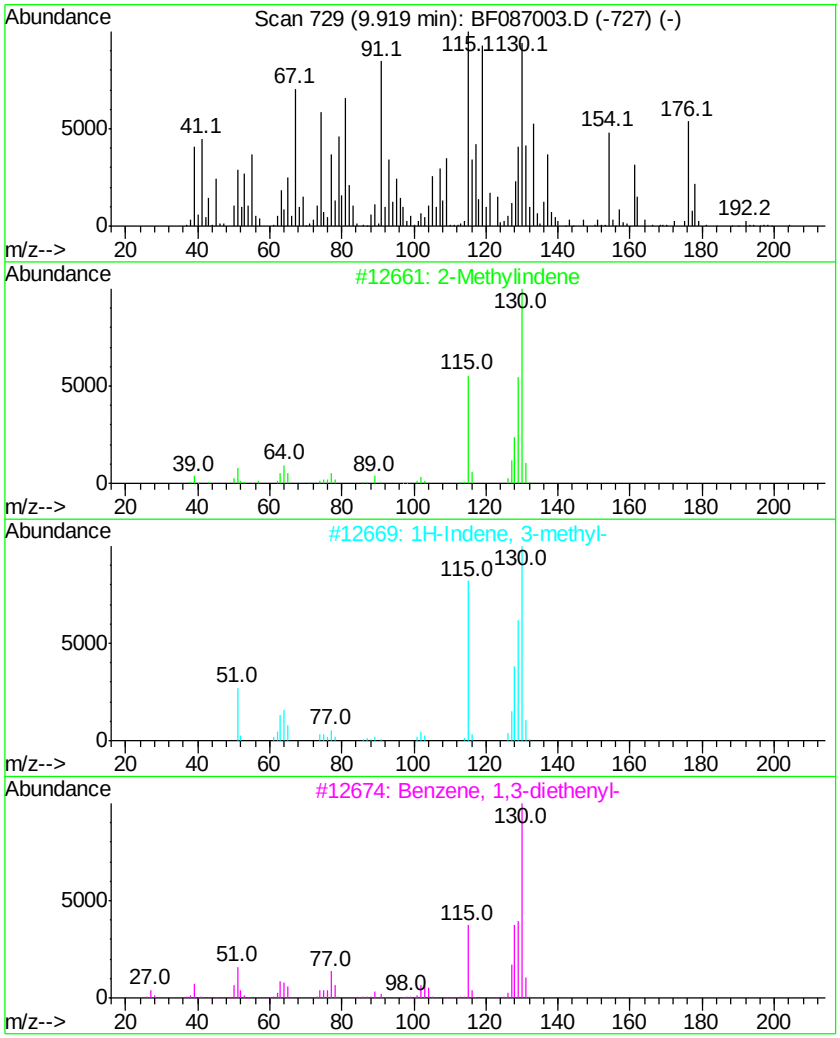
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

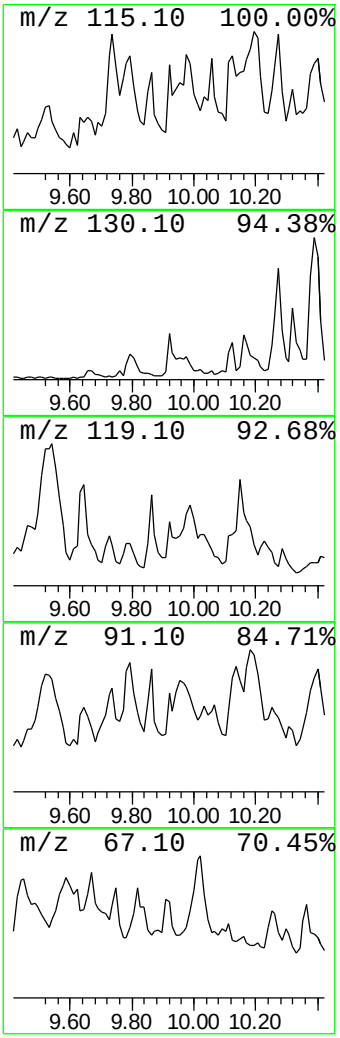
****

Peak Number 15 unknown9.92 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	28.27 ng	1646070	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	42
2	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	38
3	Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	30
4	Benzene, 1-methyl-4-(1-propynyl)-	130	C10H10	002749-93-1	30
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	20





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

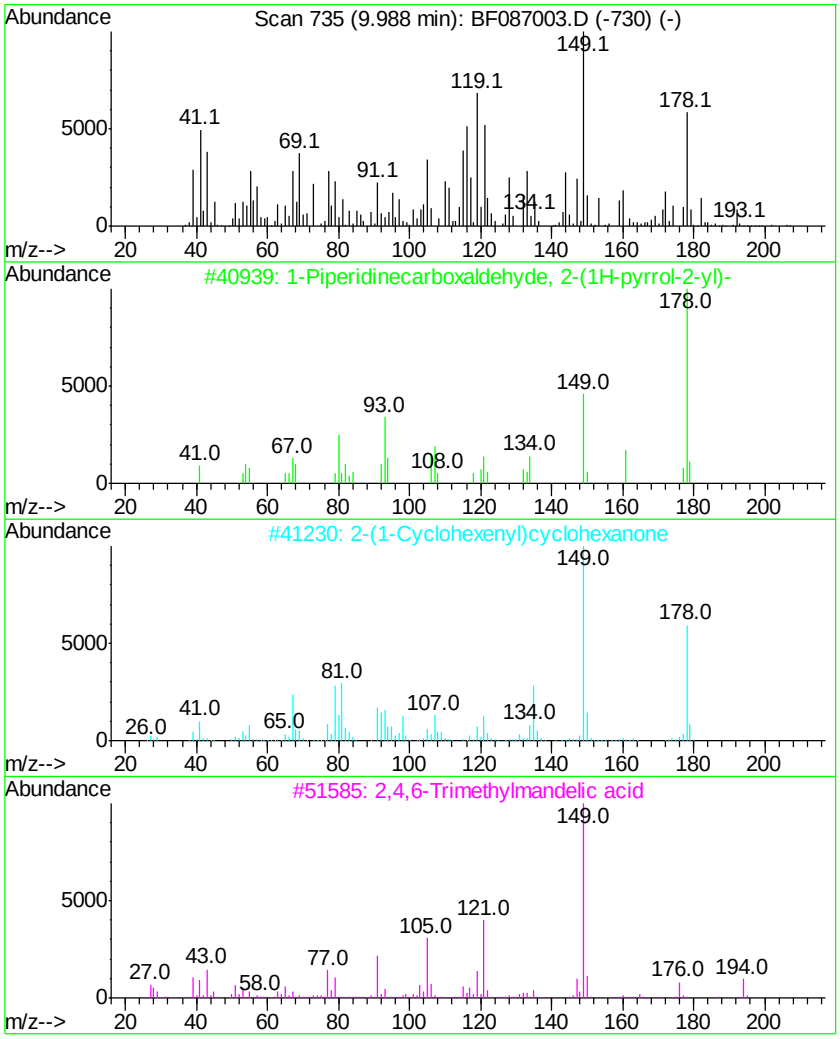
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

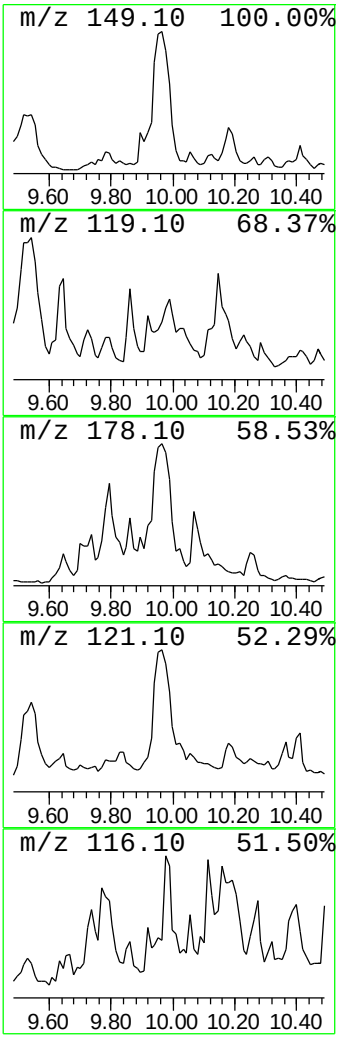
****

Peak Number 16 unknown9.99 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	64.44 ng	3751760	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Piperidinecarboxaldehyde, 2-(1...	178	C10H14N2O	054966-09-5	27
2	2-(1-Cyclohexenyl)cyclohexanone	178	C12H18O	001502-22-3	25
3	2,4,6-Trimethylmandelic acid	194	C11H14O3	020797-56-2	14
4	5-(3-Methylbutyl)-2-pyridinecarb...	193	C11H15NO2	049751-50-0	14
5	Benzeneacetic acid, .alpha.-ethy...	178	C11H14O2	002294-71-5	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

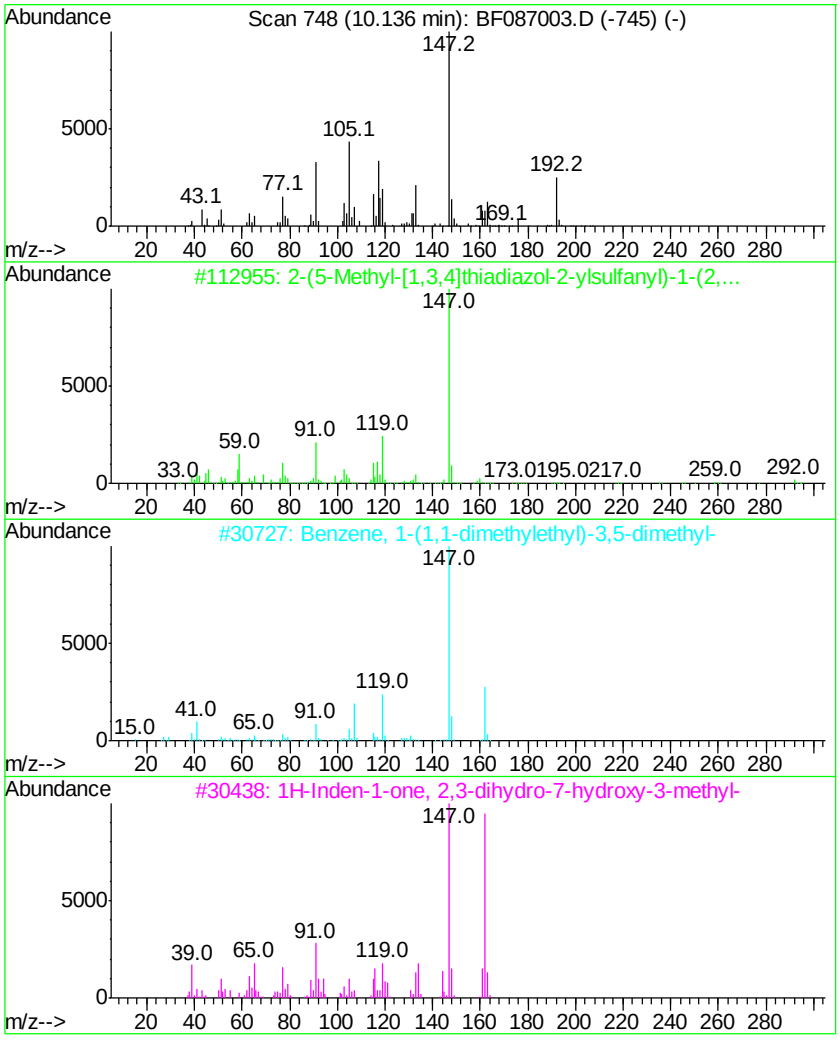
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

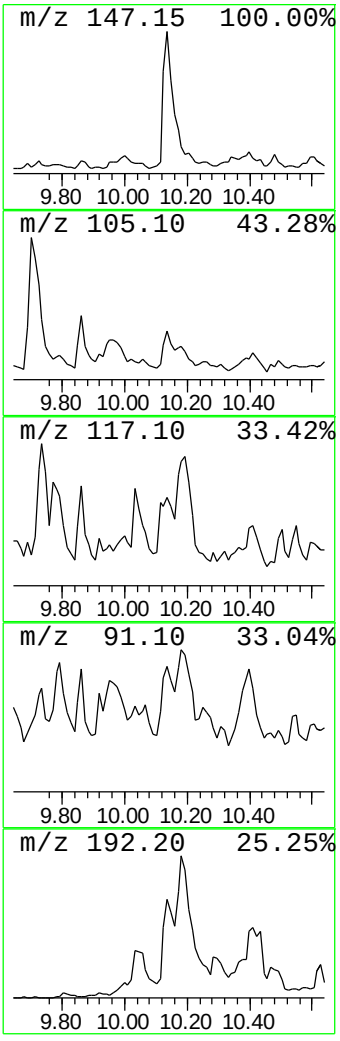
****

Peak Number 17 2-(5-Methyl-[1,3,4]thiadiaz... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	55.29 ng	3218820	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(5-Methyl-[1,3,4]thiadiazol-2-...	292	C14H16N2OS2	1000296-87-8	50
2	Benzene, 1-(1,1-dimethylethyl)-3...	162	C12H18	000098-19-1	49
3	1H-Inden-1-one, 2,3-dihydro-7-hy...	162	C10H10O2	040513-50-6	47
4	2-Indolizinemethanol	147	C9H9NO	022320-21-4	43
5	Pyrido[3,4-d]pyrimidin-4(3H)-one	147	C7H5N3O	019178-25-7	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

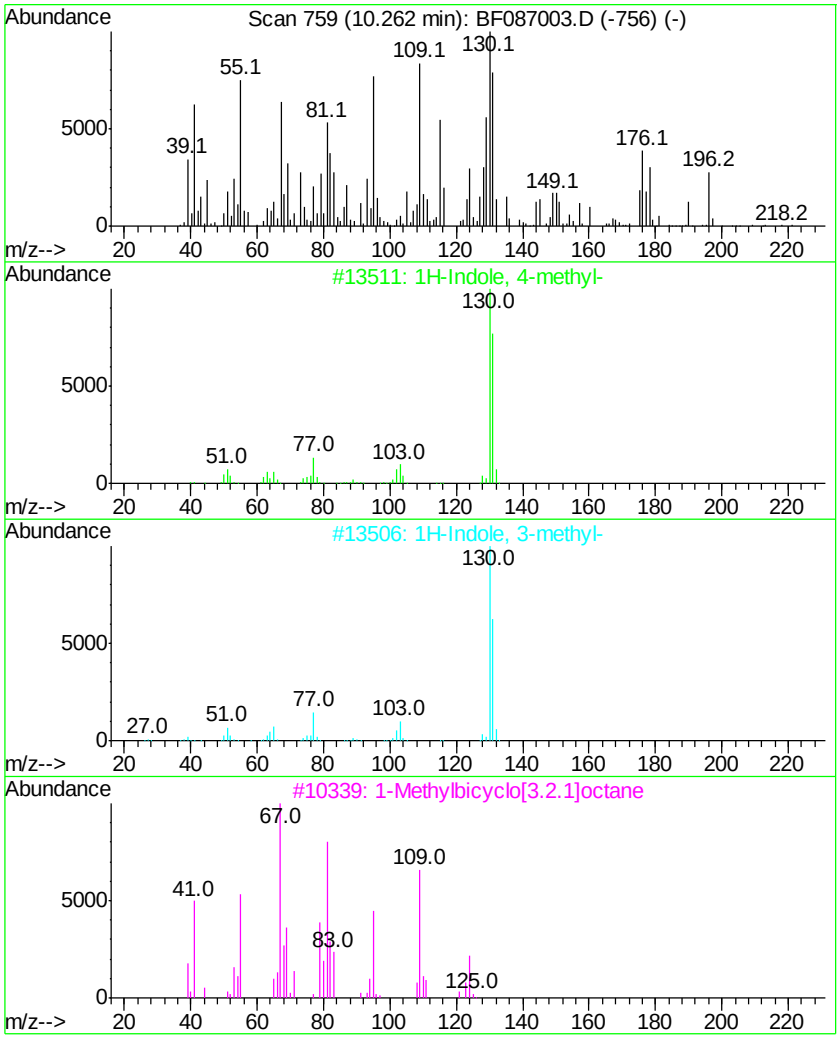
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

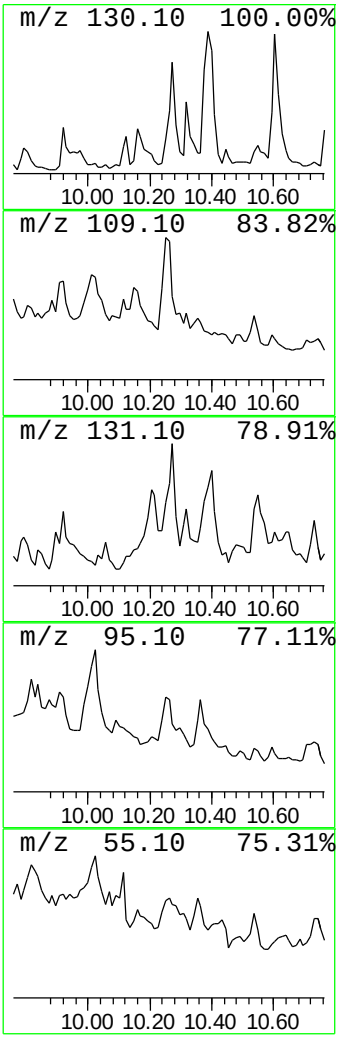
****

Peak Number 18 unknown10.26 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	55.37 ng	3223280	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 4-methyl-	131	C9H9N	016096-32-5	38
2	1H-Indole, 3-methyl-	131	C9H9N	000083-34-1	30
3	1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	25
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	25
5	1H-Indole, 5-methyl-	131	C9H9N	000614-96-0	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

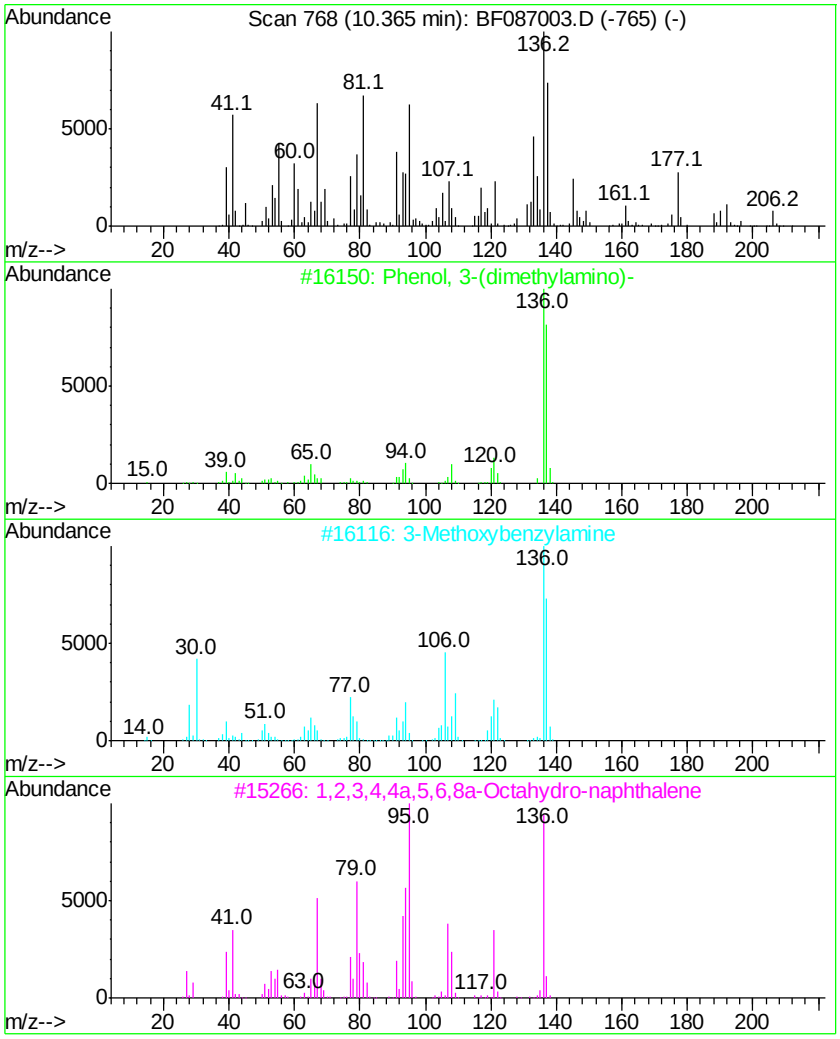
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

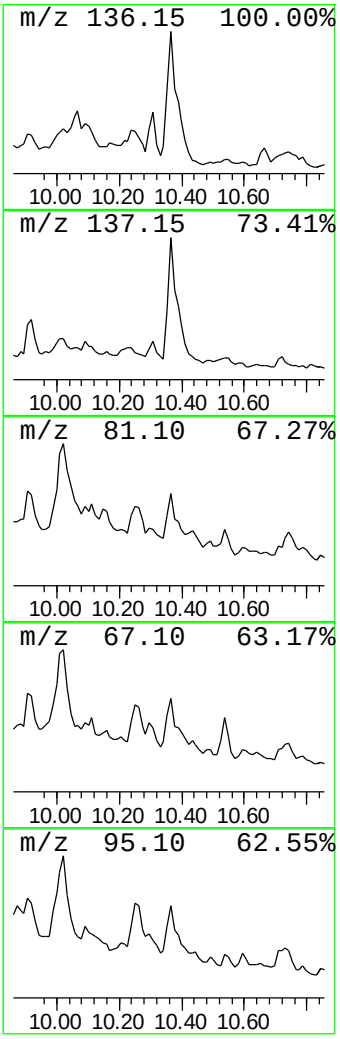
****

Peak Number 19 Phenol, 3-(dimethylamino)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	48.93 ng	2848340	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(dimethylamino)-	137	C8H11NO	000099-07-0	50
2	3-Methoxybenzylamine	137	C8H11NO	005071-96-5	38
3	1,2,3,4,4a,5,6,8a-Octahydro-naph...	136	C10H16	031244-58-3	30
4	1,1,1-Trifluoro-4-(2-furyl)-4-hy...	206	C8H5F3O3	015788-03-1	22
5	4-Dimethylaminopyridin-2-amine	137	C7H11N3	050426-31-8	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
Data File : BF087003.D
Acq On : 14 May 2016 7:02
Operator : UM/SJ
Sample : H2966-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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
Butanoic acid, 2,...	5.85	16.1	ng	1865250	1	6.62	2315570	20.0
unknown6.39	6.39	32.6	ng	3778430	1	6.62	2315570	20.0
unknown6.68	6.68	12.4	ng	1431410	1	6.62	2315570	20.0
5H-Inden-5-one, o...	7.75	20.5	ng	6434610	2	7.91	6285000	20.0
unknown8.04	8.04	21.9	ng	6893870	2	7.91	6285000	20.0
unknown8.41	8.41	23.8	ng	7471190	2	7.91	6285000	20.0
unknown8.58	8.58	12.3	ng	3878380	2	7.91	6285000	20.0
1.alpha., 4a.beta...	8.63	12.8	ng	4012190	2	7.91	6285000	20.0
2(1H)-Naphthaleno...	8.71	30.1	ng	9463160	2	7.91	6285000	20.0
unknown8.87	8.87	94.2	ng	5482060	3	9.66	1164340	20.0
unknown9.06	9.06	19.7	ng	1146940	3	9.66	1164340	20.0
unknown9.44	9.44	81.0	ng	4712540	3	9.66	1164340	20.0
unknown9.92	9.92	28.3	ng	1646070	3	9.66	1164340	20.0
unknown9.99	9.99	64.4	ng	3751760	3	9.66	1164340	20.0
2-(5-Methyl-[1,3,...	10.14	55.3	ng	3218820	3	9.66	1164340	20.0
unknown10.26	10.26	55.4	ng	3223280	3	9.66	1164340	20.0
Phenol, 3-(dimeth...	10.36	48.9	ng	2848340	3	9.66	1164340	20.0