LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

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-BF013017.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	2.212	6	11	14	rBV	236906	412904	4.01%	0.341%
2	2.452	30	32	40	rVB	107868	229679	2.23%	0.190%
3	3.824	149	152	160	rVB	76318	165074	1.60%	0.136%
4	4.190	182	184	188	rBV	81033	140708	1.37%	0.116%
5	4.396	199	202	210	rVB	239566	543809	5.29%	0.449%
6	4.647	219	224	227	rBV3	72468	187043	1.82%	0.154%
7	5.013	254	256	259	rBV	716593	924948	8.99%	0.764%
8	5.298	279	281	286	rVB2	93127	160233	1.56%	0.132%
9	5.447	291	294	297	rVV	2714381	2744084	26.67%	2.266%
10	5.584	301	306	308	rBV	107510	224596	2.18%	0.185%
11	5.630	308	310	313	rVB3	142831	215788	2.10%	0.178%
12	5.744	318	320	321	rBV	240141	261694	2.54%	0.216%
13	5.767	321	322	325	rVB	177163	190215	1.85%	0.157%
14	5.859	327	330	332	rBV3	105406	164169	1.60%	0.136%
15	5.904	332	334	338	rBV	89188	171682	1.67%	0.142%
16	5.996	338	342	345	rBV4	124666	260834	2.54%	0.215%
17	6.099	349	351	354	rBV2	208023	330532	3.21%	0.273%
18	6.293	364	368	371	rBV2	196545	476778	4.63%	0.394%
19	6.350	371	373	375	rBV	333601	483801	4.70%	0.400%
20	6.499	384	386	390	rBV	2757621	3246224	31.55%	2.681%
21	6.590	392	394	395	rVV2	146339	242583	2.36%	0.200%
22	6.624	395	397	400	rVV	2738580	2772353	26.95%	2.290%
23	6.693	400	403	405	rVV3	441928	703243	6.84%	0.581%
24	6.739	405	407	409	rVB	128670	171270	1.66%	0.141%
25	6.853	415	417	420	rVB2	685598	902228	8.77%	0.745%
26	6.921	420	423	425	rVV2	814103	1134715	11.03%	0.937%
27	6.967	425	427	429	rVV2	283397	405895	3.95%	0.335%
28	7.013	429	431	438	rVV	2408824	2415366	23.48%	1.995%
29	7.139	440	442	443	rVB	105382	132615	1.29%	0.110%
30	7.173	443	445	449	rBV	538877	798936	7.77%	0.660%
31	7.264	449	453	457	rVB2	357474	755223	7.34%	0.624%
32	7.424	462	467	469	rBV	1994844	1966405	19.11%	1.624%
33	7.459	469	470	472	rVB	190372	164061	1.59%	0.135%
34	7.504	472	474	475	rBV	318447	269996	2.62%	0.223%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

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-BF013017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.539	475	477	478	rBV	100835	152062	1.48%	0.126%
36	7.562	478	479	482	rBV3	120184	180847	1.76%	0.149%
37	7.699	489	491	495	rVB2	169008	286442	2.78%	0.237%
38	7.779	495	498	499	rBV	118532	199386	1.94%	0.165%
39	7.802	499	500	502	rVV	100474	143731	1.40%	0.119%
40	7.904	505	509	511	rVV4	199078	400496	3.89%	0.331%
41	7.950	511	513	515	rVV2	167738	232386	2.26%	0.192%
42	7.996	515	517	519	rVB	108899	159691	1.55%	0.132%
43	8.053	519	522	523	rBV2	77491	176468	1.72%	0.146%
44	8.076	523	524	527	rVV	201655	184206	1.79%	0.152%
45	8.144	527	530	532	rVV	1337871	1194085	11.61%	0.986%
46	8.179	532	533	536	rVB	263849	244885	2.38%	0.202%
47	8.236	536	538	539	rBV	135865	133868	1.30%	0.111%
48	8.522	559	563	564	rBV2	191327	291903	2.84%	0.241%
49	8.579	565	568	569	rVB	118960	159978	1.56%	0.132%
50	8.624	569	572	574	rBV2	278205	452033	4.39%	0.373%
51	8.716	576	580	581	rVV3	270500	497813	4.84%	0.411%
52	8.785	584	586	587	rVV2	107440	140296	1.36%	0.116%
53	8.819	587	589	591	rVV	557954	507273	4.93%	0.419%
54	8.956	600	601	603	rBV2	144427	156368	1.52%	0.129%
55	9.025	605	607	608	rBV2	114096	143837	1.40%	0.119%
56	9.082	609	612	614	rVV	1514000	2031939	19.75%	1.678%
57	9.116	614	615	617	rVV2	424011	695213	6.76%	0.574%
58	9.173	618	620	622	rVV2	612220	977836	9.50%	0.808%
59	9.219	622	624	626	rVV	3077795	2768793	26.91%	2.287%
60	9.287	628	630	632	rVV	2858192	3012037	29.28%	2.488%
61	9.367	635	637	639	rVV3	248129	482789	4.69%	0.399%
62	9.413	639	641	643	rVV	788312	770610	7.49%	0.636%
63	9.459	643	645	646	rVB	358470	312968	3.04%	0.258%
64	9.550	652	653	655	rBV	258110	515023	5.01%	0.425%
65	9.585	655	656	657	rVB	437731	300283	2.92%	0.248%
66	9.619	657	659	660	rBV	733613	749945	7.29%	0.619%
67	9.653	660	662	664	rVB2	346551	503021	4.89%	0.415%
68	9.699	664	666	667	rBV	255349	309435	3.01%	0.256%
69	9.767	671	672	675	rVB2	548845	667445	6.49%	0.551%
70	9.859	679	680	682	rBV2	413481	635280	6.18%	0.525%
71	9.893	682	683	686	rVB2	1013487	1266357	12.31%	1.046%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

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-BF013017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.973	688	690	693	rBV4	360131	801617	7.79%	0.662%
73	10.019	693	694	697	rBV2	1042458	1490276	14.49%	1.231%
74	10.088	698	700	702	rBV2	442311	635842	6.18%	0.525%
75	10.156	705	706	708	rBV2	410066	695848	6.76%	0.575%
76	10.293	716	718	719	rVB	428276	387681	3.77%	0.320%
77	10.362	722	724	727	rBV	974282	1321239	12.84%	1.091%
78	10.430	727	730	731	rBV	536699	1088680	10.58%	0.899%
79	10.545	739	740	741	rBV	806004	753345	7.32%	0.622%
80	10.693	751	753	755	rVB2	645298	507156	4.93%	0.419%
81	10.773	758	760	762	rVB	3026290	3296282	32.04%	2.722%
82	10.842	764	766	767	rBV	1185127	1313733	12.77%	1.085%
83	10.956	773	776	780	rBV2	3772916	6612692	64.28%	5.461%
84	11.048	782	784	786	rVB2	1604685	1765231	17.16%	1.458%
85	11.082	786	787	788	rBV	588792	423091	4.11%	0.349%
86	11.162	791	794	796	rBV2	1298067	2327507	22.62%	1.922%
87	11.242	798	801	804	rBV3	1421489	2126285	20.67%	1.756%
88	11.333	806	809	812	rBV2	2102532	3810822	37.04%	3.147%
89	11.402	812	815	817	rBV	2589141	4971317	48.32%	4.106%
90	11.436	817	818	820	rVB	2199917	1709222	16.61%	1.412%
91	11.493	822	823	825	rVB	1770977	2085173	20.27%	1.722%
92	11.585	829	831	832	rBV2	986281	1183573	11.50%	0.978%
93	11.791	846	849	850	rBV	2131683	3408410	33.13%	2.815%
94	15.757	1193	1196	1201	rVB	1723574	3642110	35.40%	3.008%
95	15.951	1210	1213	1217	rVB	2400363	5310027	51.62%	4.386%
96	16.305	1241	1244	1246	rVB	780311	1462493	14.22%	1.208%
97	16.888	1292	1295	1298	rBV	969252	2462829	23.94%	2.034%
98	17.597	1352	1357	1366	rVB	1989967	6927618	67.34%	5.722%
99	17.928	1380	1386	1393	rVB	3130402	10287640	100.00%	8.497%
100	18.534	1435	1439	1444	rVB	631214	1865971	18.14%	1.541%

Sum of corrected areas: 121080422

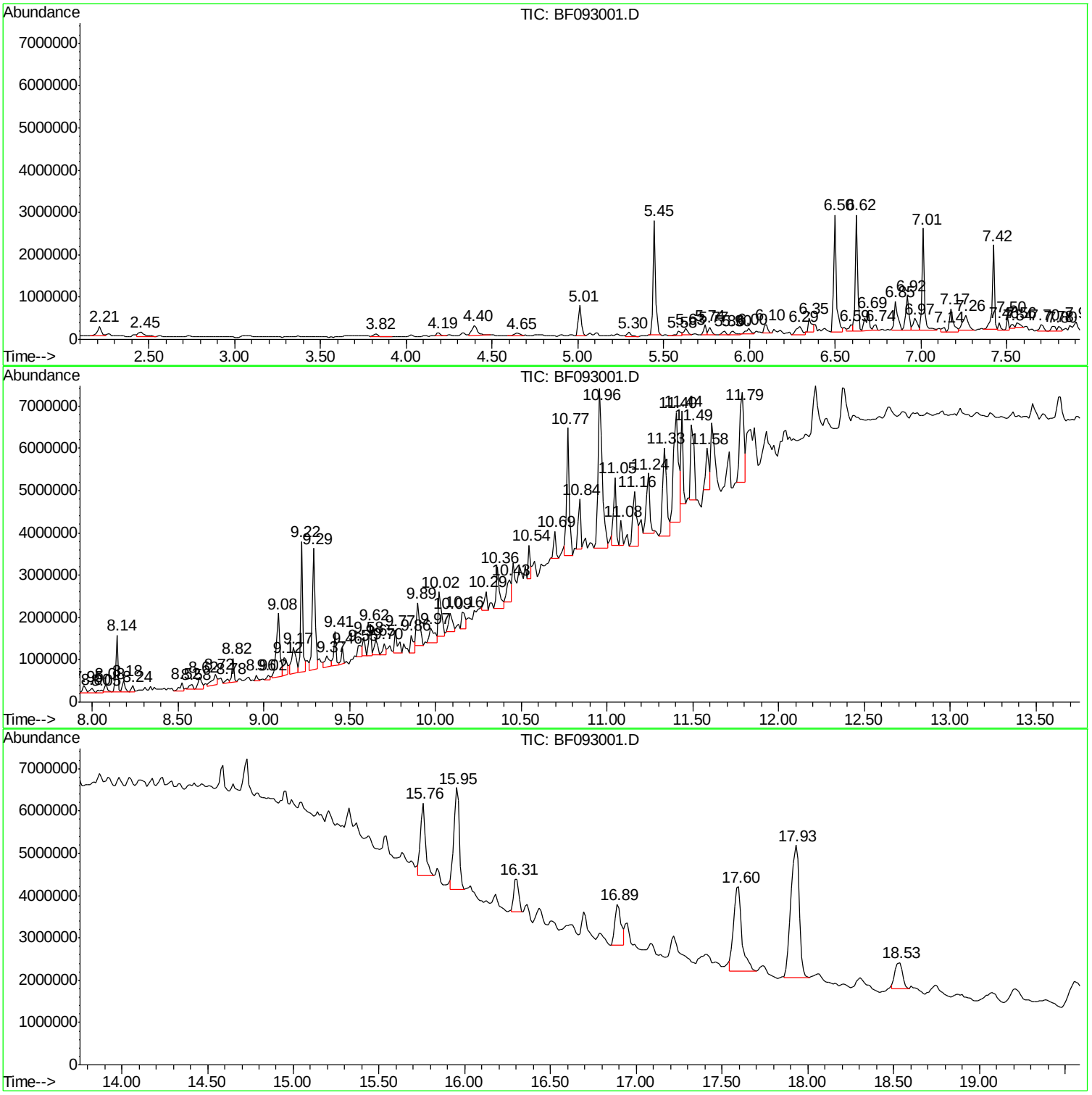
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

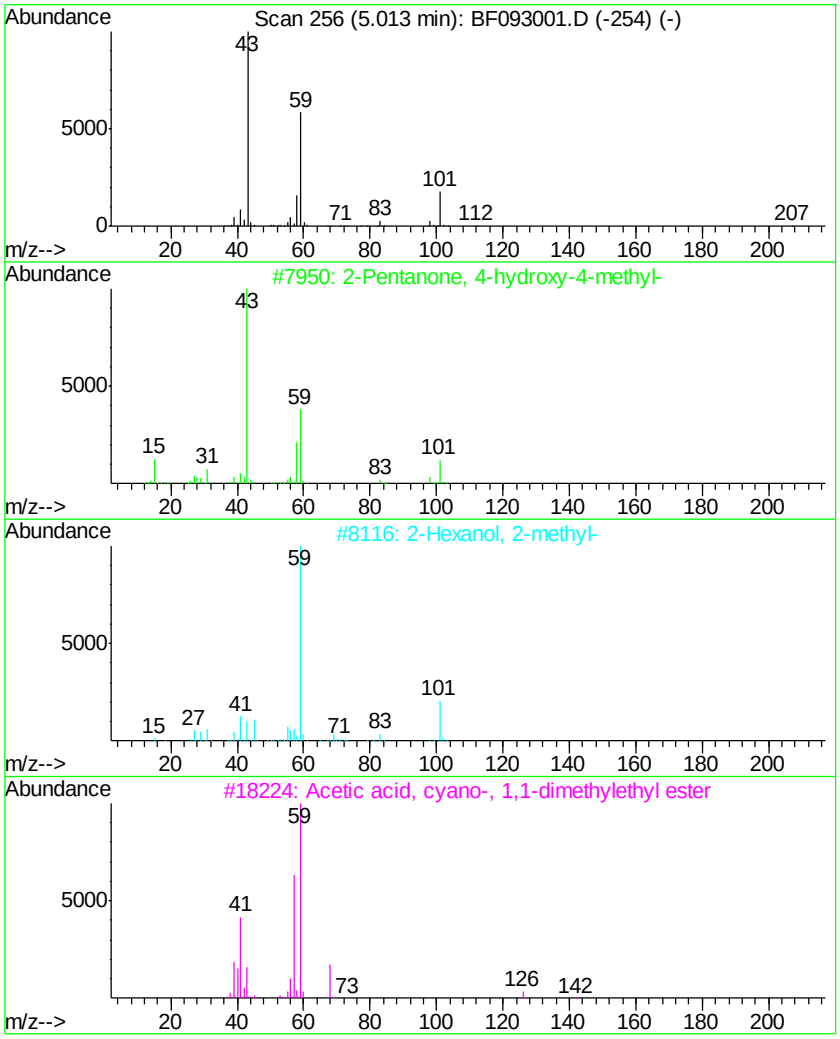
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

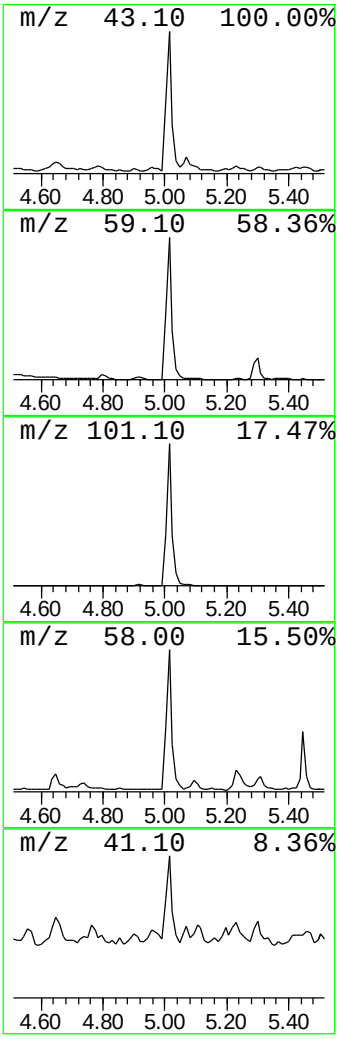
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	20.50 ng	924948	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

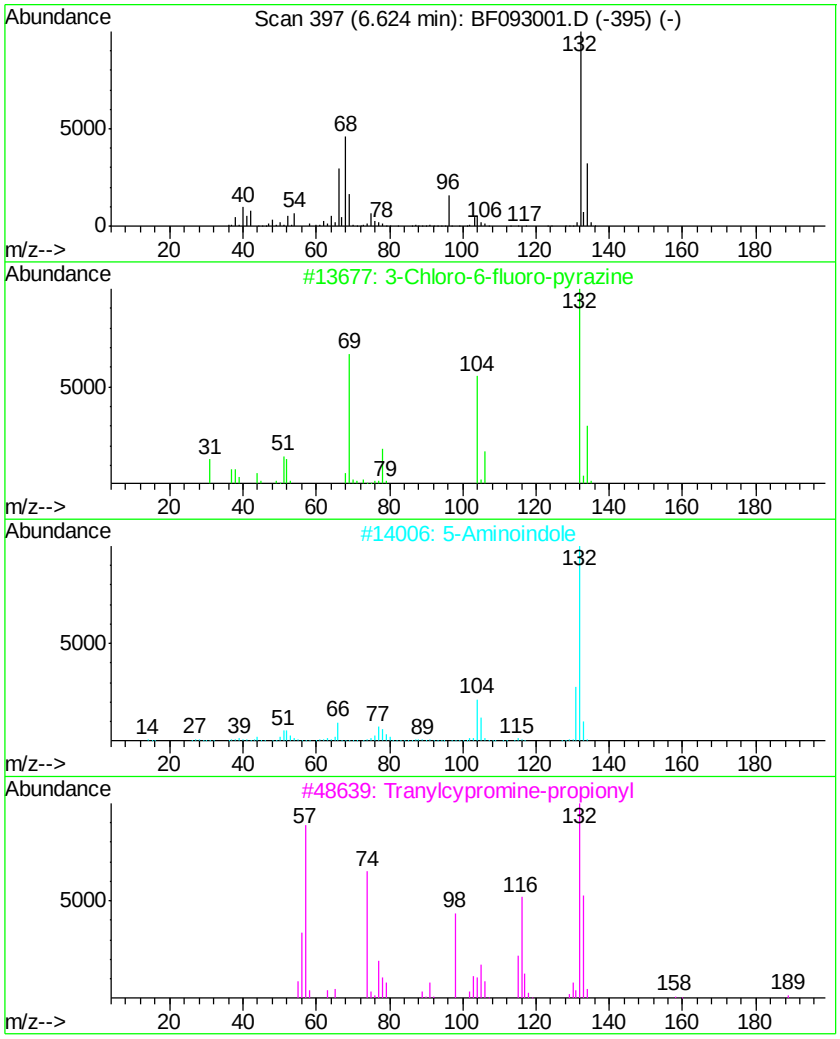
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

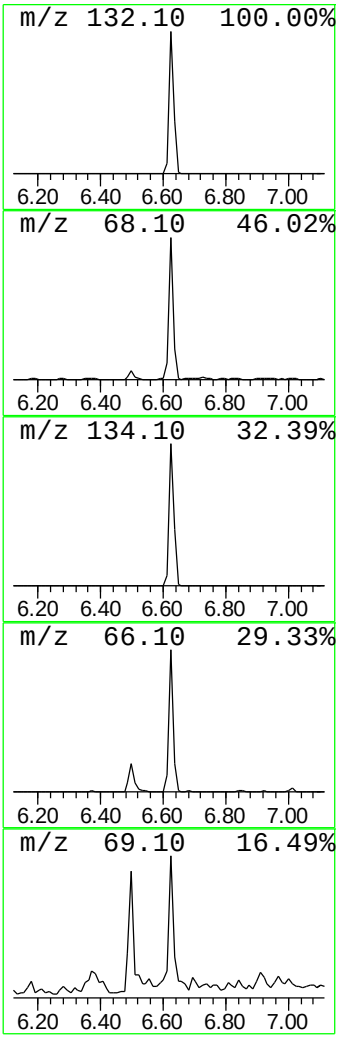
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	61.46 ng	2772350	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

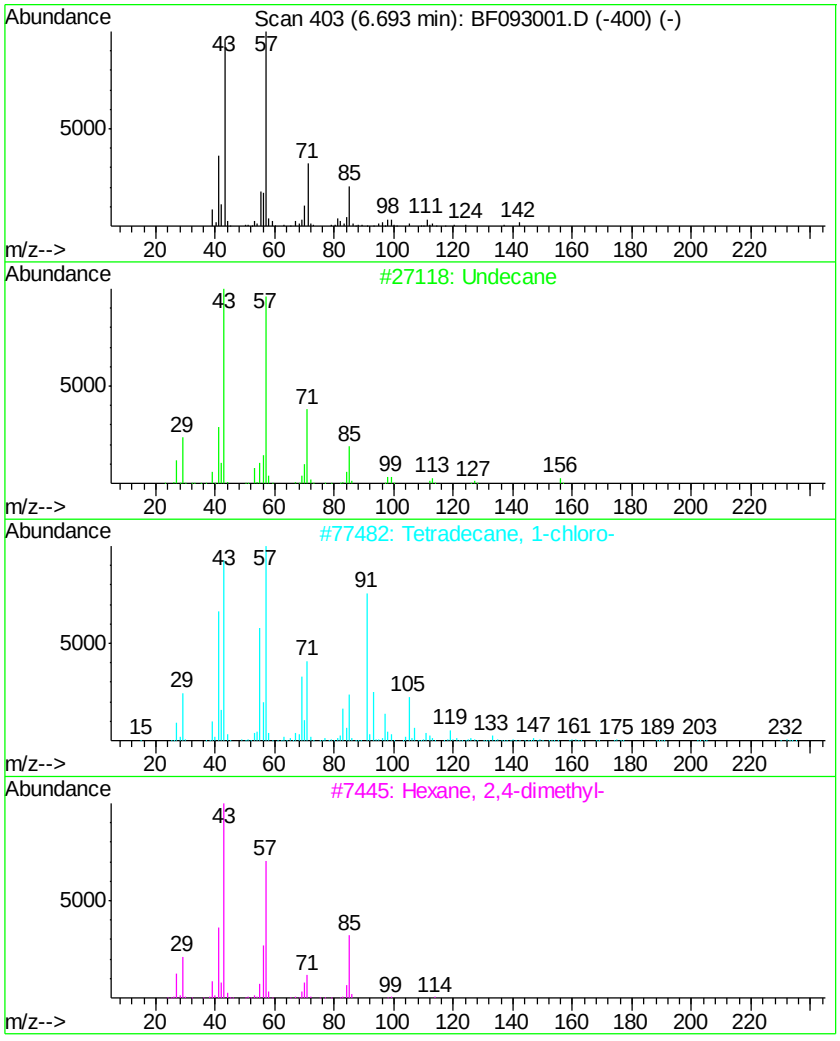
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

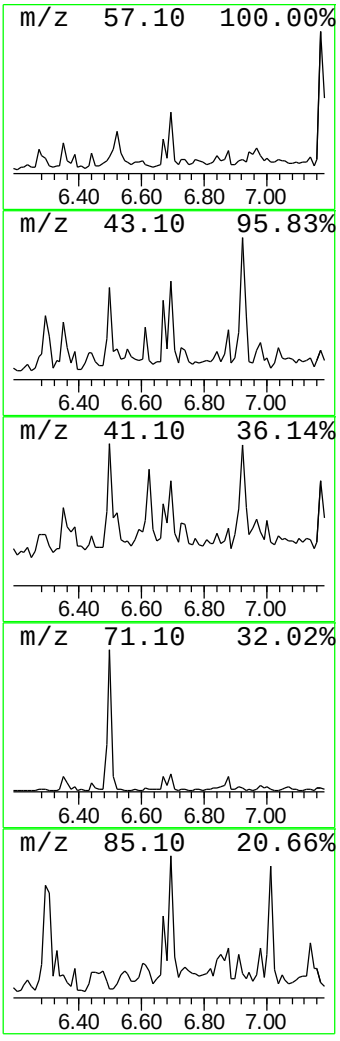
****

Peak Number 3 Undecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	15.59 ng	703243	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	83
2	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	72
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
4	Nonane, 2-methyl-	142	C10H22	000871-83-0	64
5	Nonane	128	C9H20	000111-84-2	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

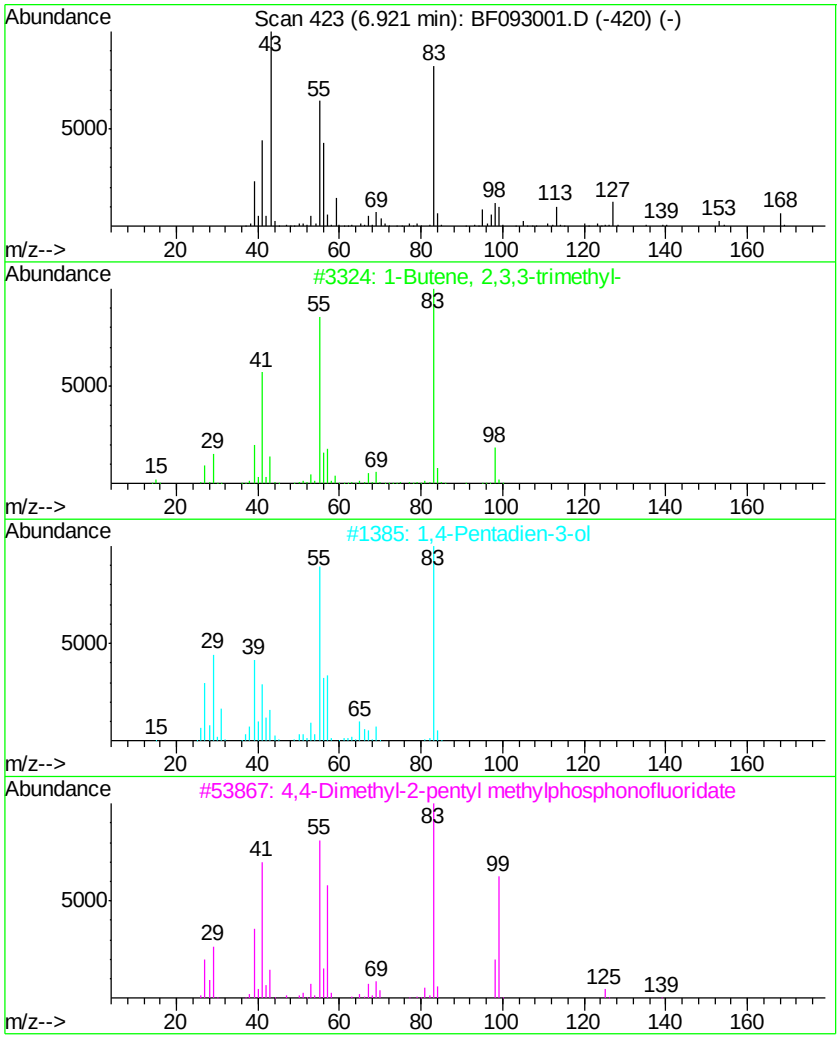
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

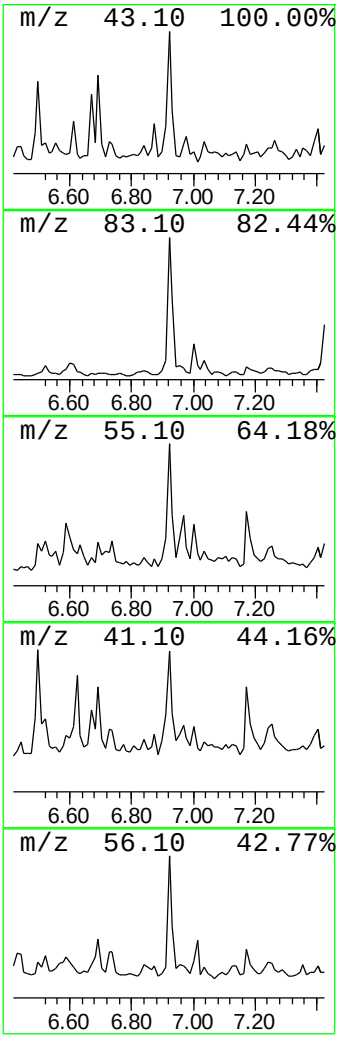
****

Peak Number 4 unknown6.92 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	25.15 ng	1134720	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	46
2	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	43
3	4,4-Dimethyl-2-pentyl methylphos...	196	C8H18FO2P	030593-65-8	43
4	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	43
5	Cyclopropane, 1,1,2,2-tetramethyl-	98	C7H14	004127-47-3	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

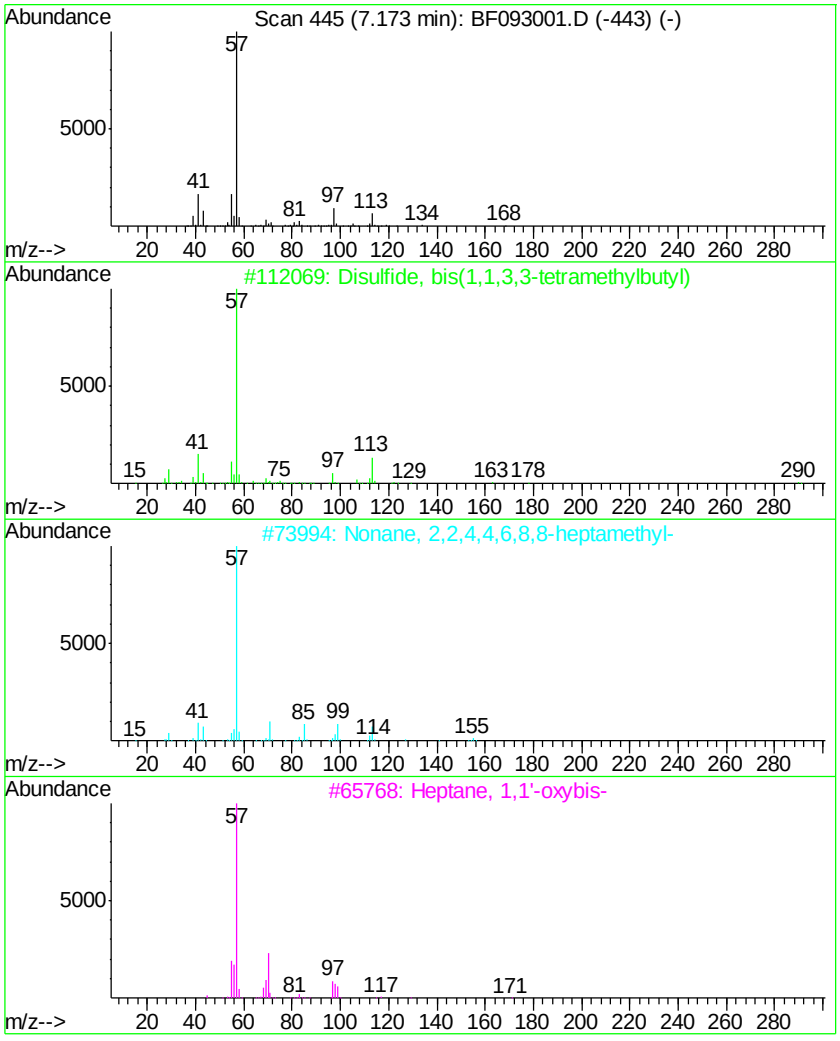
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

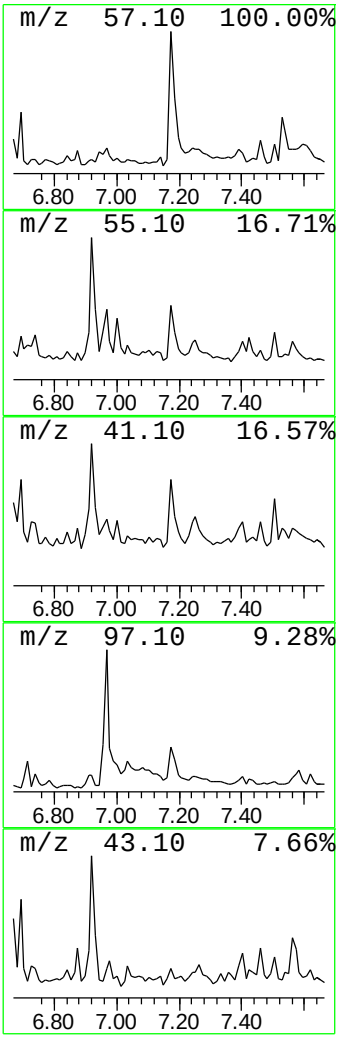
****

Peak Number 6 unknown7.17 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	17.71 ng	798936	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, bis(1,1,3,3-tetrameth...	290	C16H34S2	029956-99-8	36
2	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	36
3	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	28
4	2,4,4-Trimethyl-1-pentanol	130	C8H18O	016325-63-6	17
5	2,2,4,4,5,5,7,7-Octamethyloctane	226	C16H34	005171-85-7	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

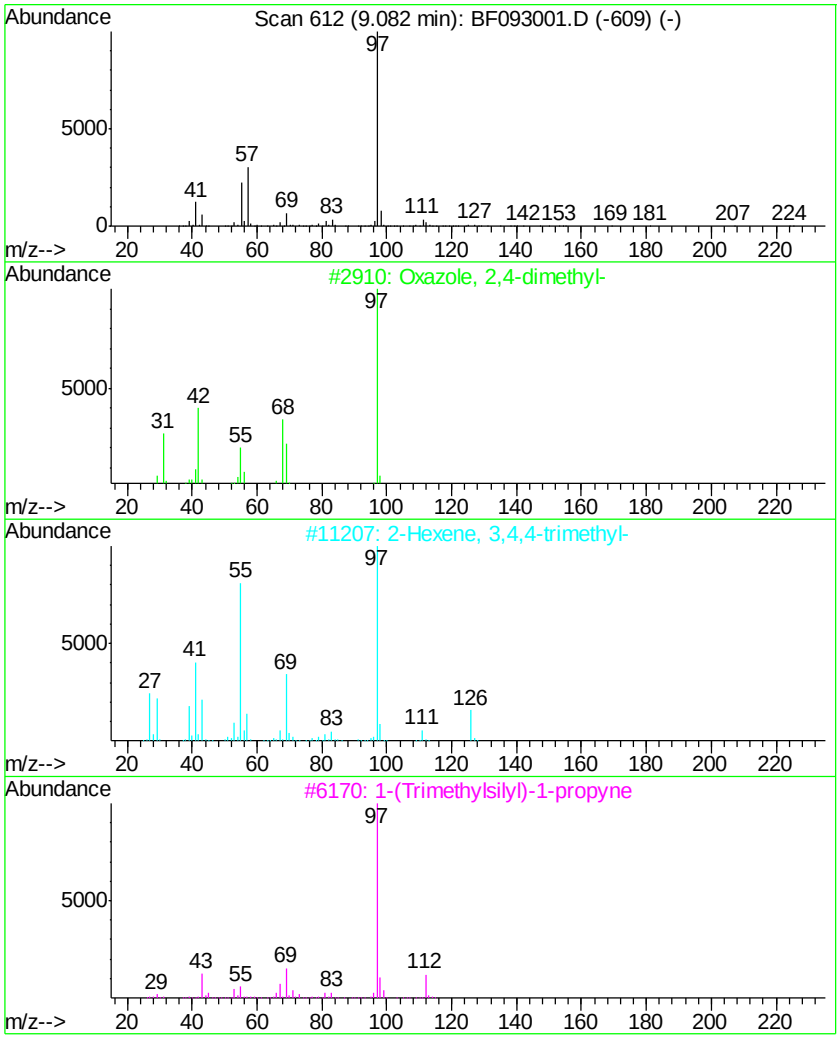
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

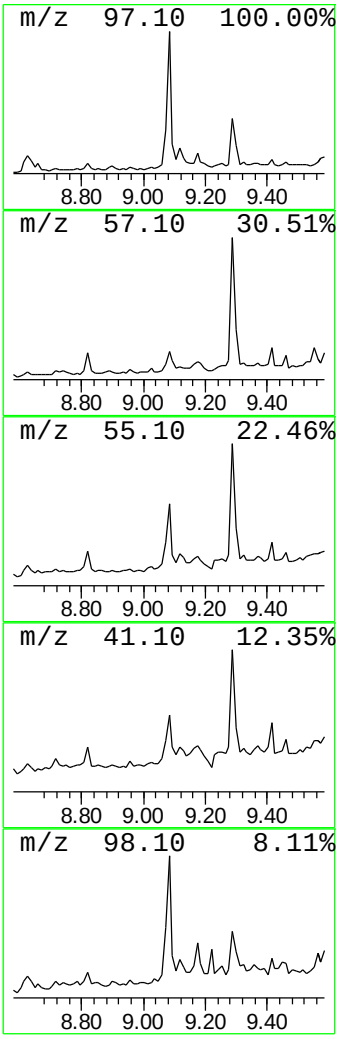
****

Peak Number 7 Oxazole, 2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	32.09 ng	2031940	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxazole, 2,4-dimethyl-	97	C5H7NO	007208-05-1	64
2	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	43
3	1-(Trimethylsilyl)-1-propyne	112	C6H12Si	006224-91-5	39
4	2,4,4,6,6,8,8-Heptamethyl-2-nonene	224	C16H32	039761-73-4	12
5	4H-1,2,4-Triazole, 4-ethyl-	97	C4H7N3	043183-55-7	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

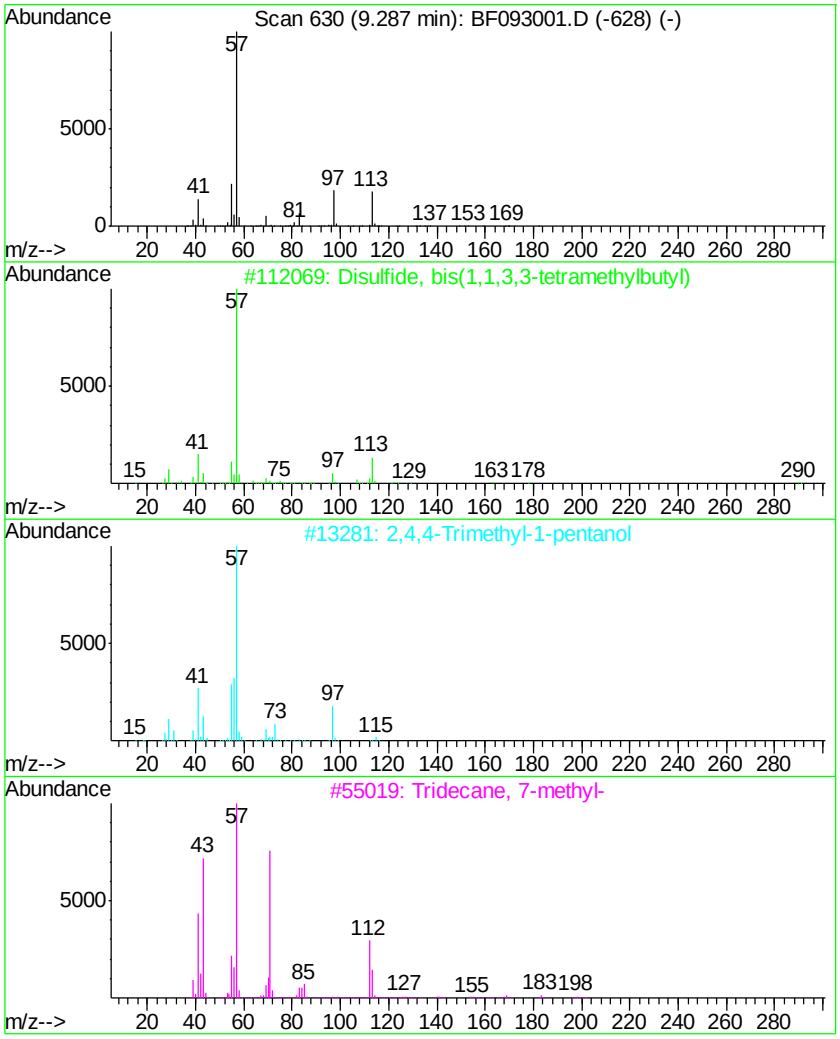
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

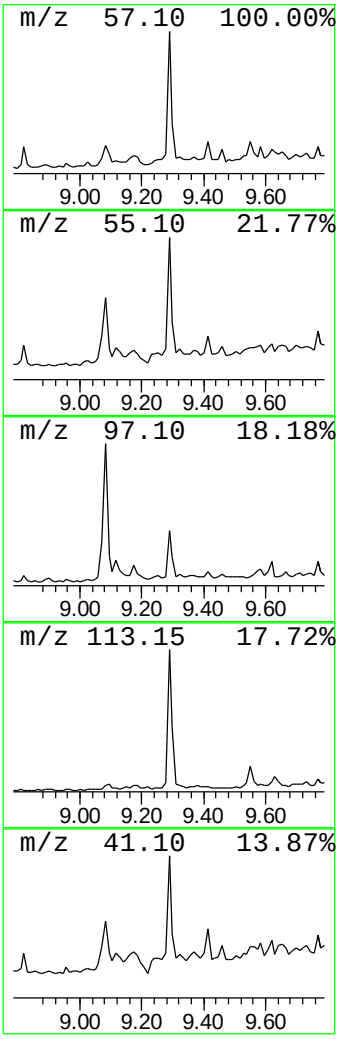
****

Peak Number 8 unknown9.29 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	47.57 ng	3012040	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, bis(1,1,3,3-tetrameth...	290	C16H34S2	029956-99-8	38
2	2,4,4-Trimethyl-1-pentanol	130	C8H18O	016325-63-6	33
3	Tridecane, 7-methyl-	198	C14H30	026730-14-3	33
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	33
5	1-Pentene, 4,4-dimethyl-	98	C7H14	000762-62-9	23





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

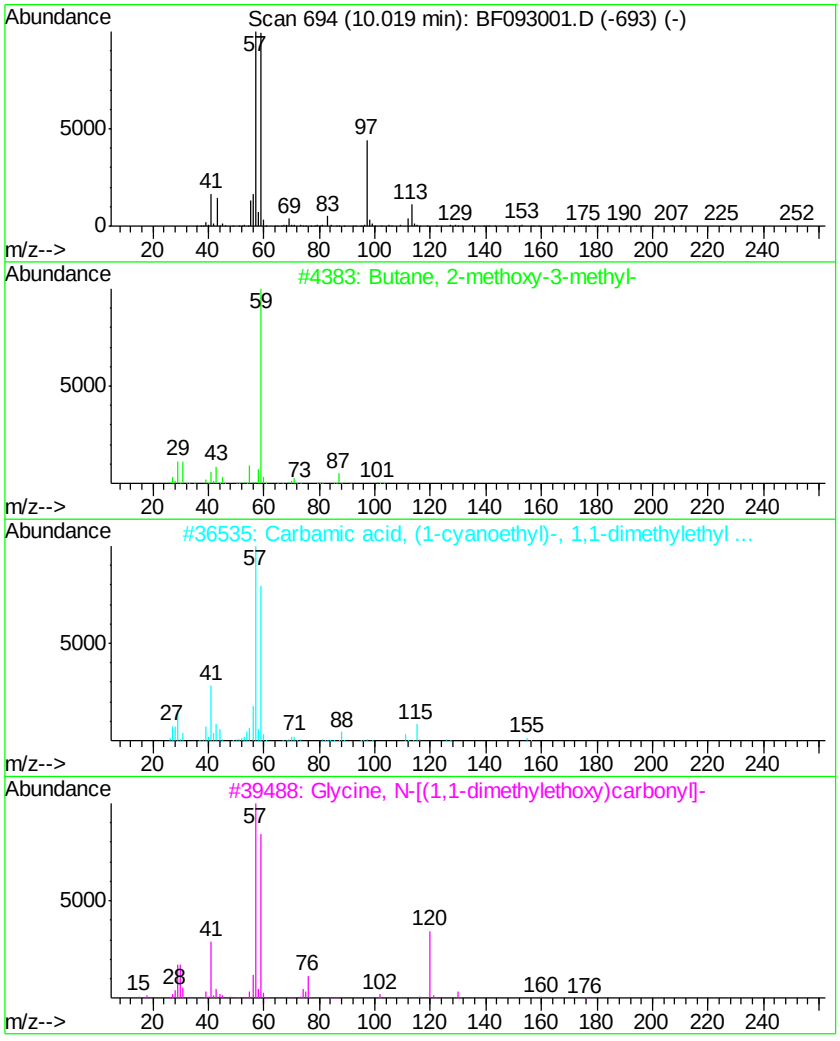
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

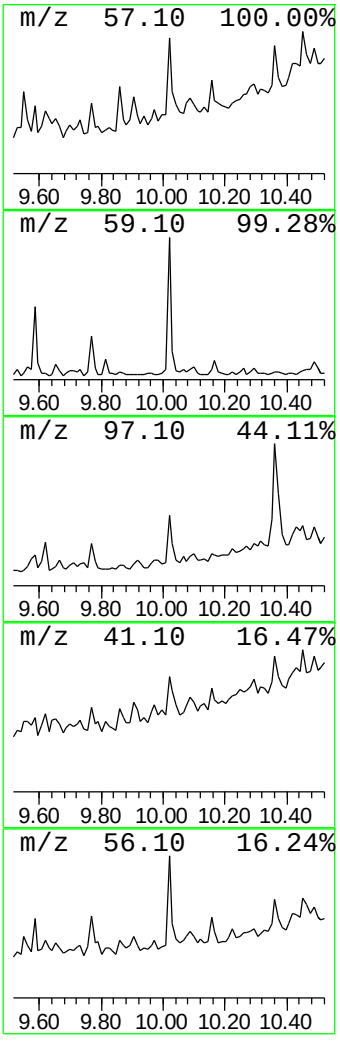
****

Peak Number 9 unknown10.02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	23.54 ng	1490280	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-3-methyl-	102	C6H14O	062016-49-3	35
2	Carbamic acid, (1-cyanoethyl)-, ...	170	C8H14N2O2	100927-09-1	33
3	Glycine, N-[(1,1-dimethylethoxy)...	175	C7H13NO4	004530-20-5	33
4	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	25
5	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	10





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

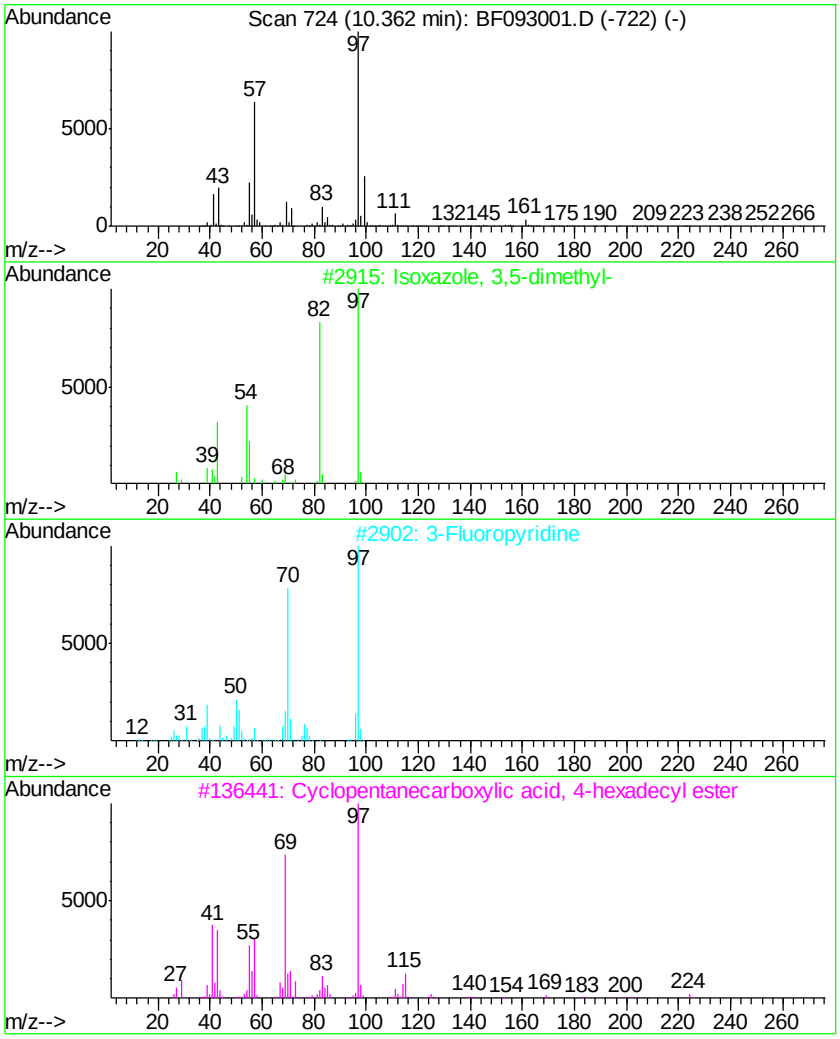
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

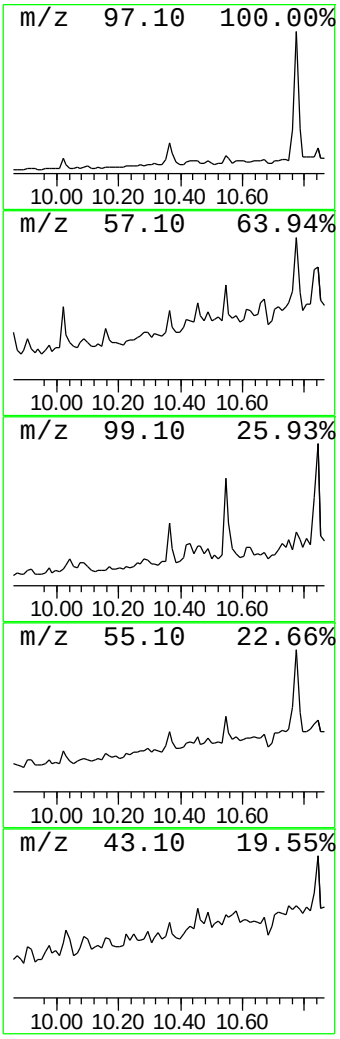
****

Peak Number 10 unknown10.36 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	20.87 ng	1321240	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoxazole, 3,5-dimethyl-	97	C5H7NO	000300-87-8	38
2	3-Fluoropyridine	97	C5H4FN	000372-47-4	33
3	Cyclopentanecarboxylic acid, 4-h...	338	C22H42O2	1000282-77-5	23
4	6,10,13-Trimethyltetradecanol	256	C17H36O	1000131-71-0	12
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	10





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

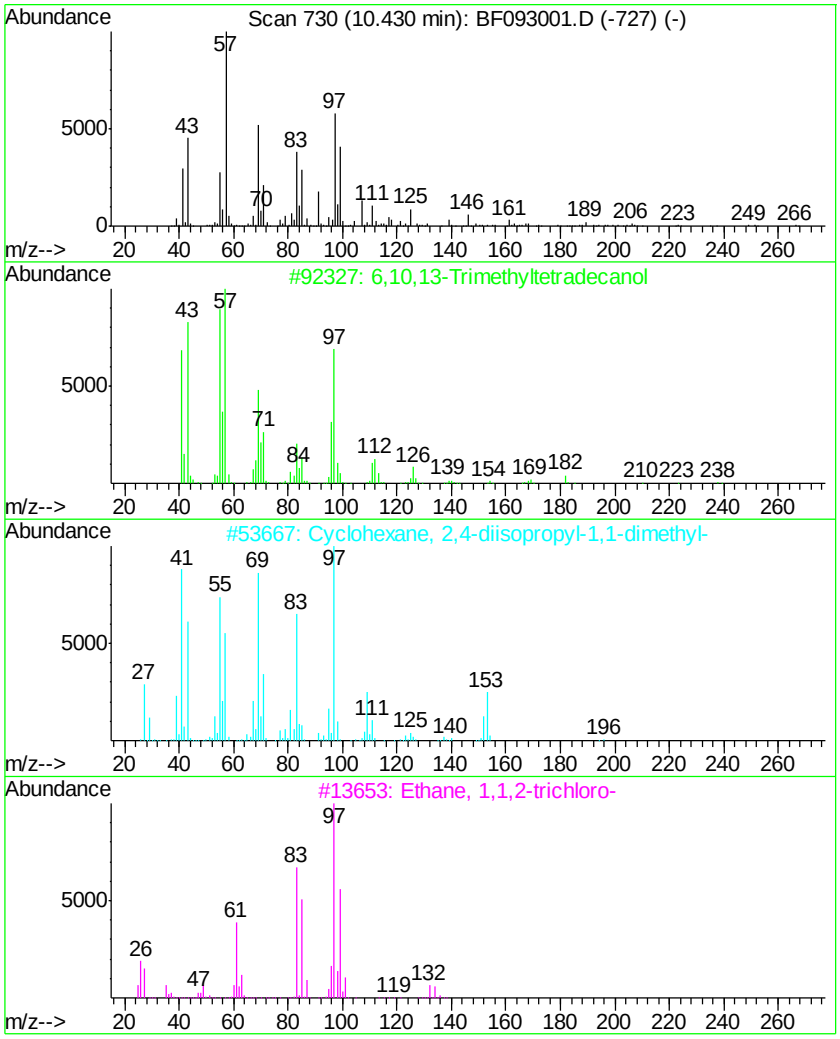
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

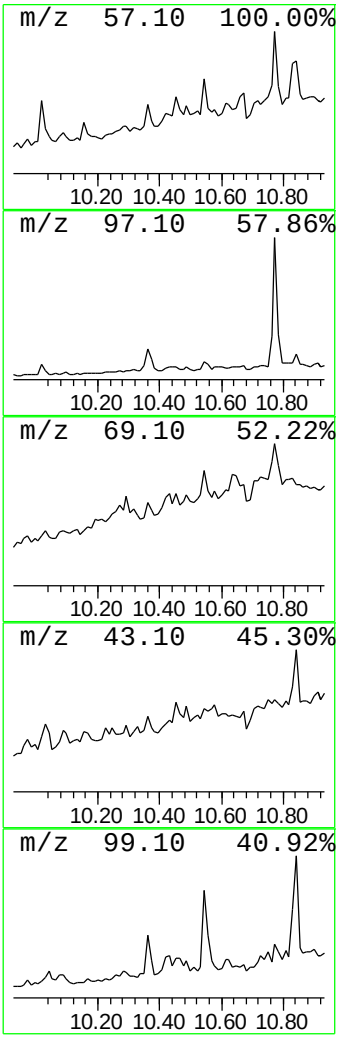
****

Peak Number 11 unknown10.43 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	17.19 ng	1088680	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,10,13-Trimethyltetradecanol	256	C17H36O	1000131-71-0	47
2	Cyclohexane, 2,4-diisopropyl-1,1...	196	C14H28	1000149-60-5	45
3	Ethane, 1,1,2-trichloro-	132	C2H3Cl3	000079-00-5	40
4	1-Nonadecene	266	C19H38	018435-45-5	35
5	Cyclohexanecarboxylic acid, 4-pe...	396	C24H32N2O3	075941-47-8	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

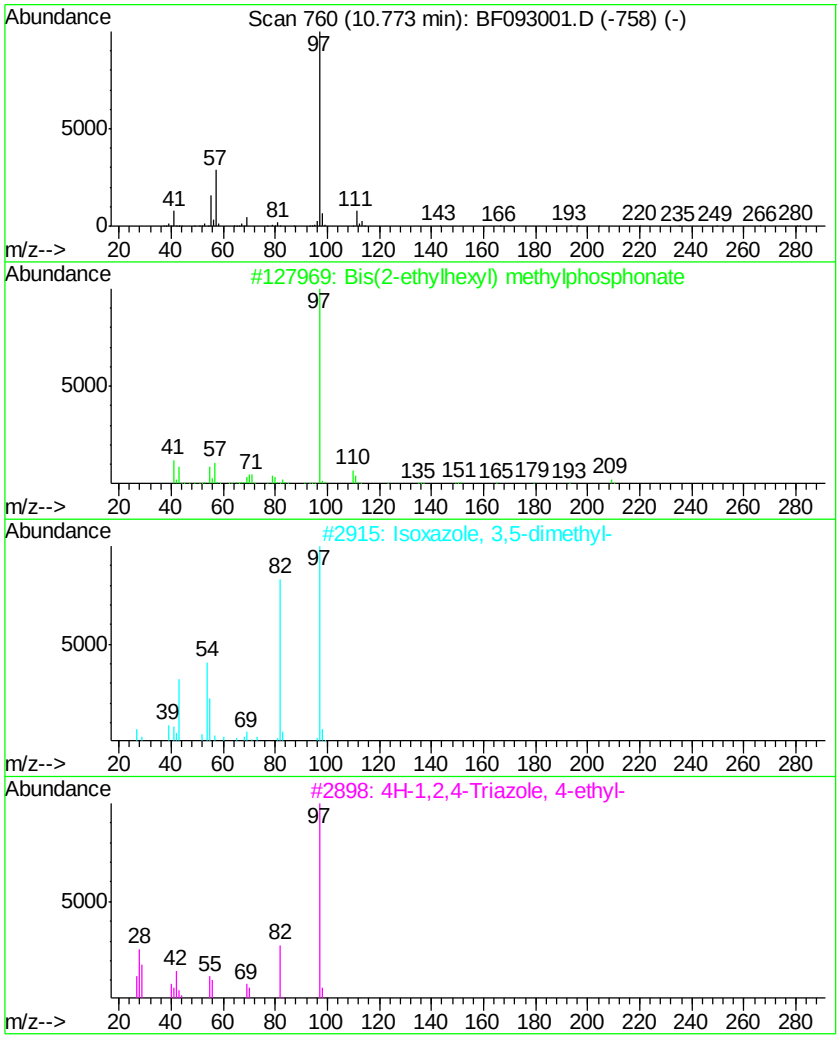
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

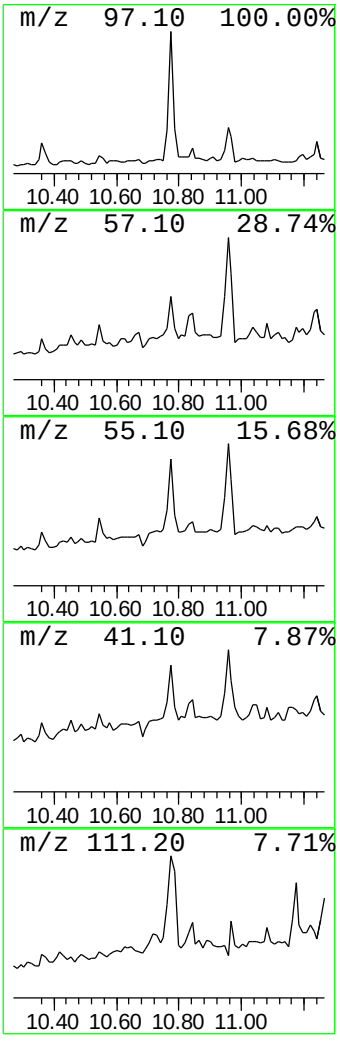
****

Peak Number 12 Bis(2-ethylhexyl) methylpho... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	13.26 ng	3296280	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(2-ethylhexyl) methylphosphonate	320	C17H37O3P	1000298-35-3	74
2	Isoxazole, 3,5-dimethyl-	97	C5H7NO	000300-87-8	72
3	4H-1,2,4-Triazole, 4-ethyl-	97	C4H7N3	043183-55-7	9
4	Thiophene, 2-ethyl-	112	C6H8S	000872-55-9	9
5	2-Pyrazoline, 1,4,5-trimethyl-	112	C6H12N2	007423-11-2	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

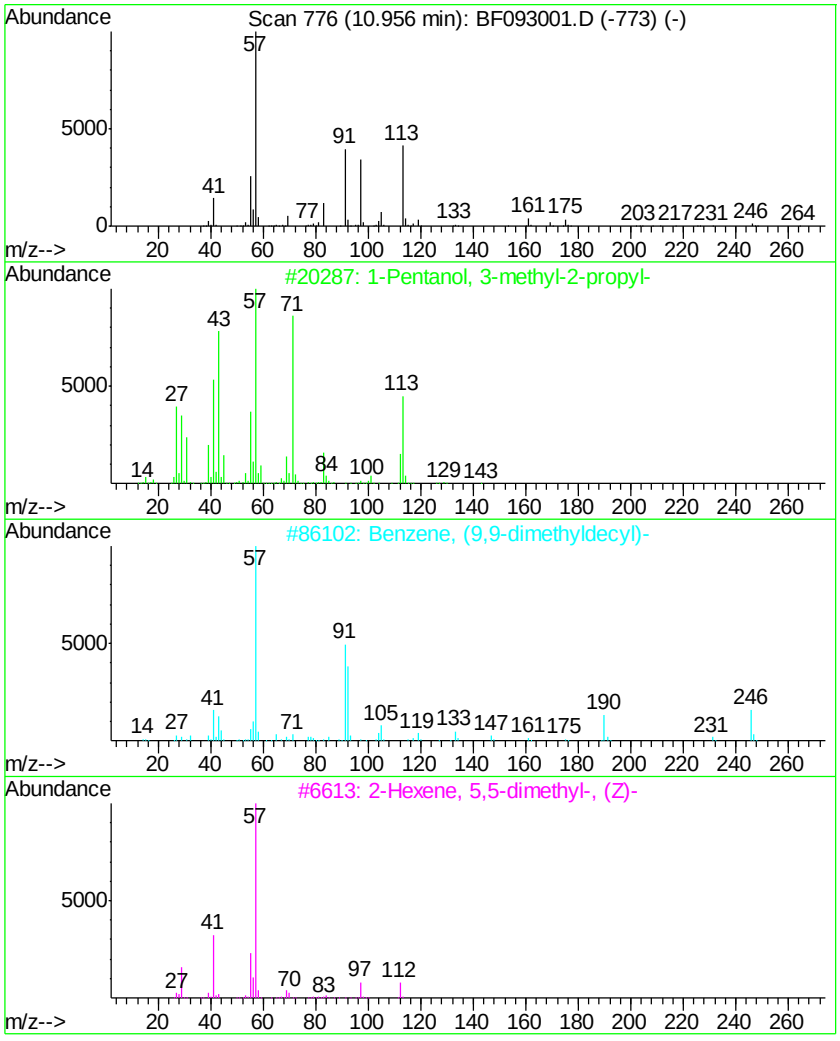
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

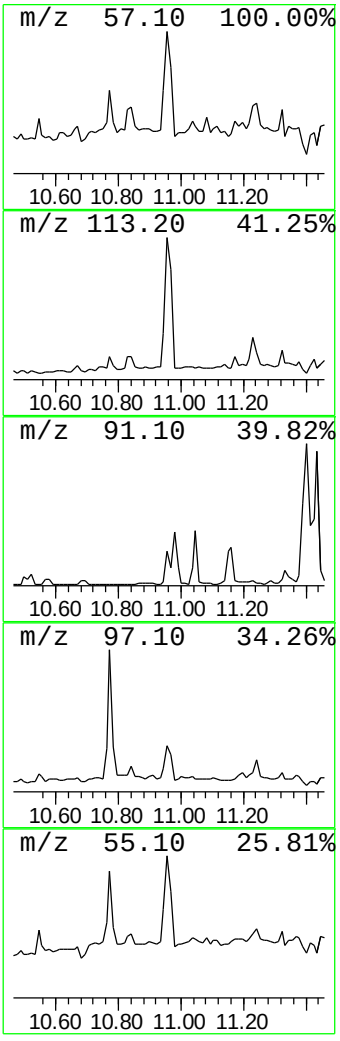
****

Peak Number 13 unknown10.96 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	26.60 ng	6612690	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanol, 3-methyl-2-propyl-	144	C9H20O	054004-40-9	28
2	Benzene, (9,9-dimethyldecyl)-	246	C18H30	054986-45-7	10
3	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	9
4	1-Pentene, 4,4-dimethyl-	98	C7H14	000762-62-9	9
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

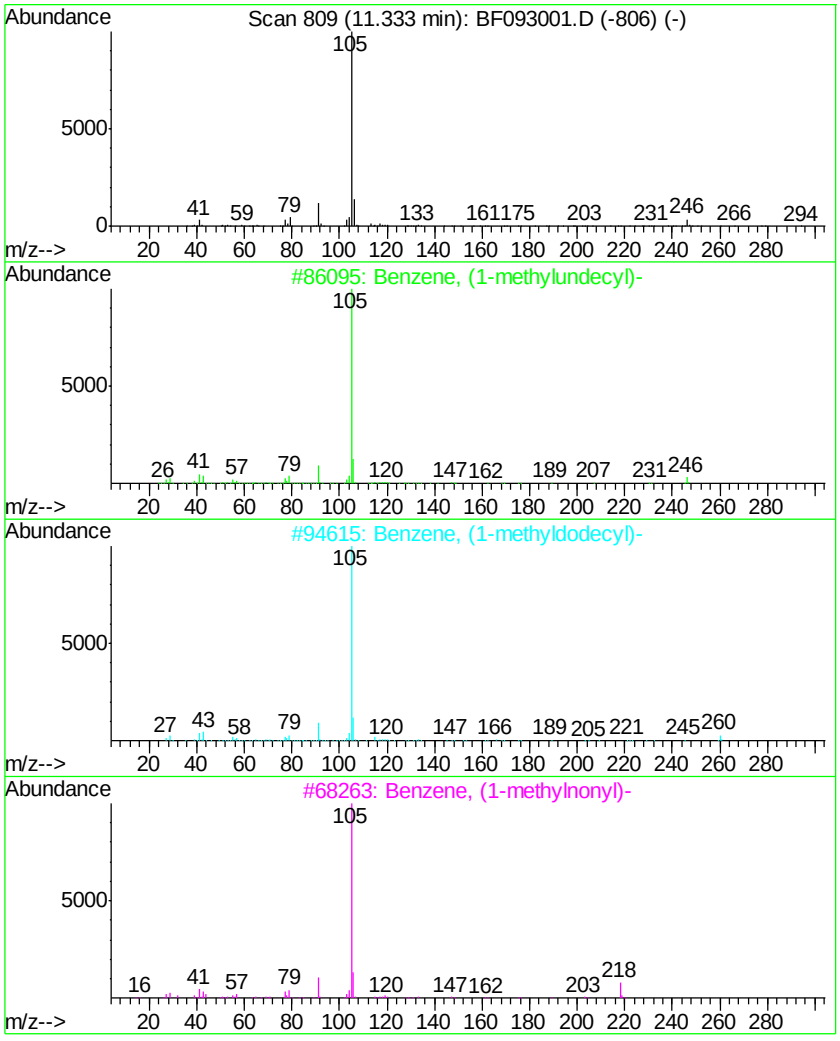
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

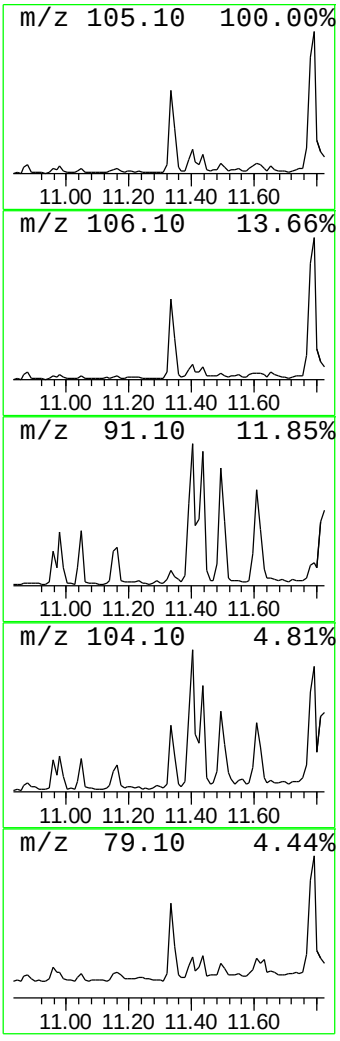
****

Peak Number 14 Benzene, (1-methylundecyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	15.33 ng	3810820	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	87
2	Benzene, (1-methyldodecyl)-	260	C19H32	004534-53-6	64
3	Benzene, (1-methylnonyl)-	218	C16H26	004537-13-7	64
4	Benzene, (1-methyldecyl)-	232	C17H28	004536-88-3	58
5	1-Hexene, 3-methyl-6-phenyl-4-(1...	294	C21H26O	1000194-52-4	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

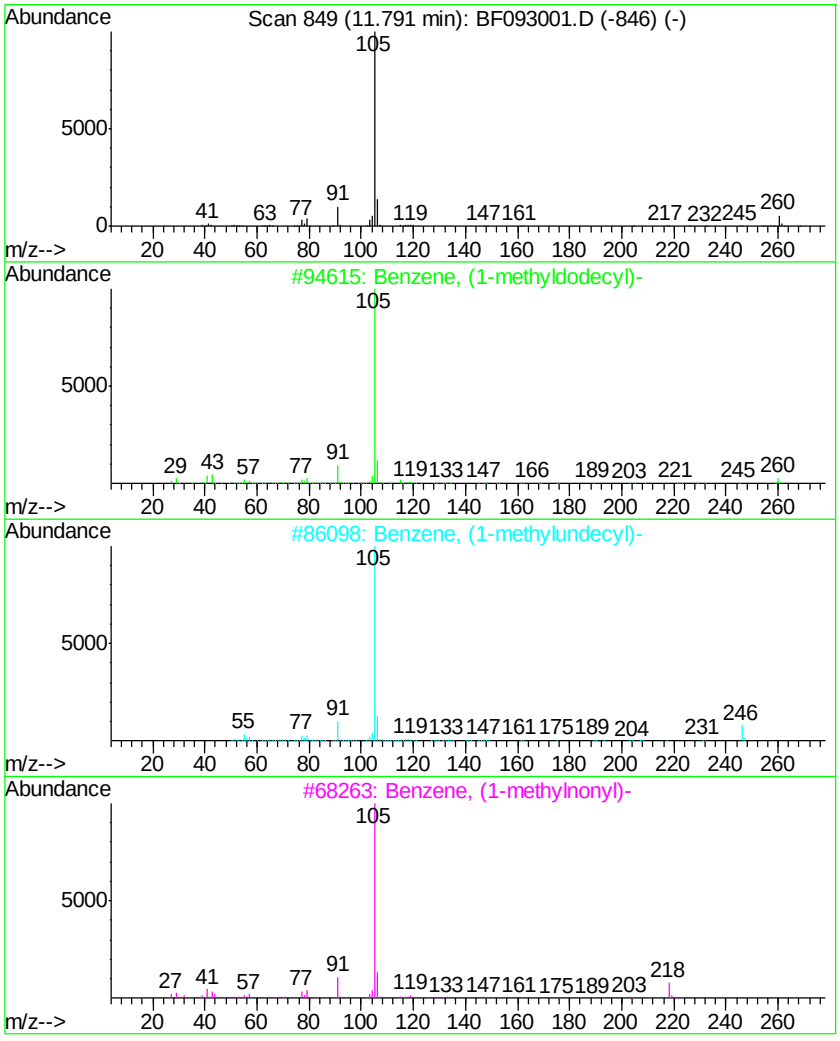
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

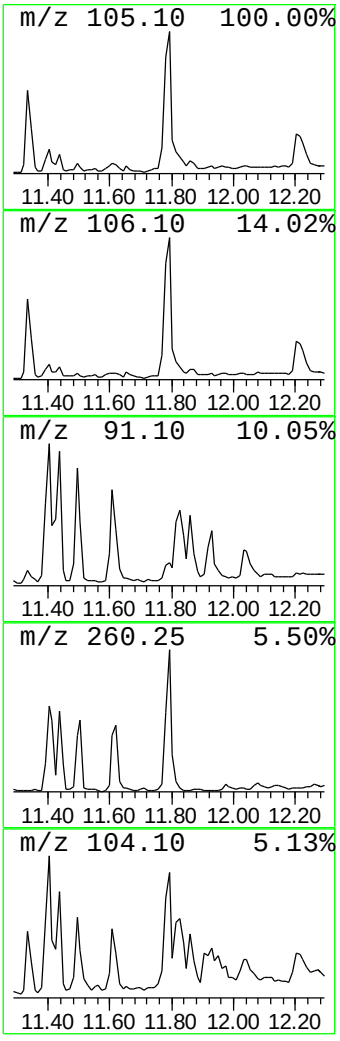
****

Peak Number 15 Benzene, (1-methyldodecyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	13.71 ng	3408410	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyldodecyl)-	260	C19H32	004534-53-6	86
2	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	72
3	Benzene, (1-methylnonyl)-	218	C16H26	004537-13-7	72
4	Benzene, (1-methyldecyl)-	232	C17H28	004536-88-3	50
5	Benzaldehyde, 3-ethoxy-4-(4-meth...	270	C17H18O3	351066-35-8	33





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

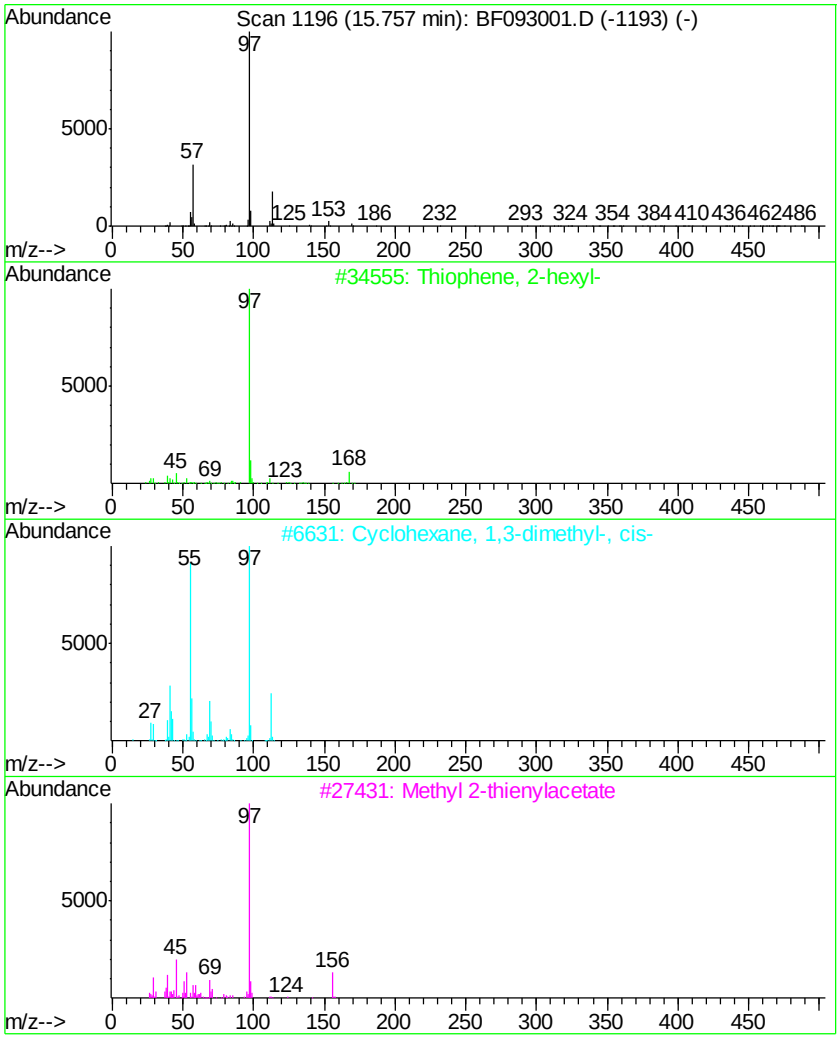
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

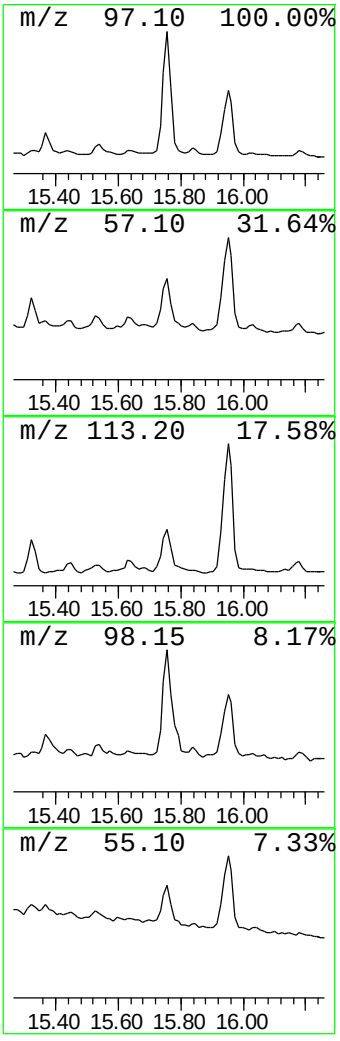
****

Peak Number 16 unknown15.76 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	20.00 ng	3642110	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-hexyl-	168	C10H16S	018794-77-9	9
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	9
3	Methyl 2-thienylacetate	156	C7H8O2S	019432-68-9	9
4	1-(Trimethylsilyl)-1-propyne	112	C6H12Si	006224-91-5	9
5	1,1-Dimethyl-1-silacyclo-3-pentene	112	C6H12Si	016054-12-9	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

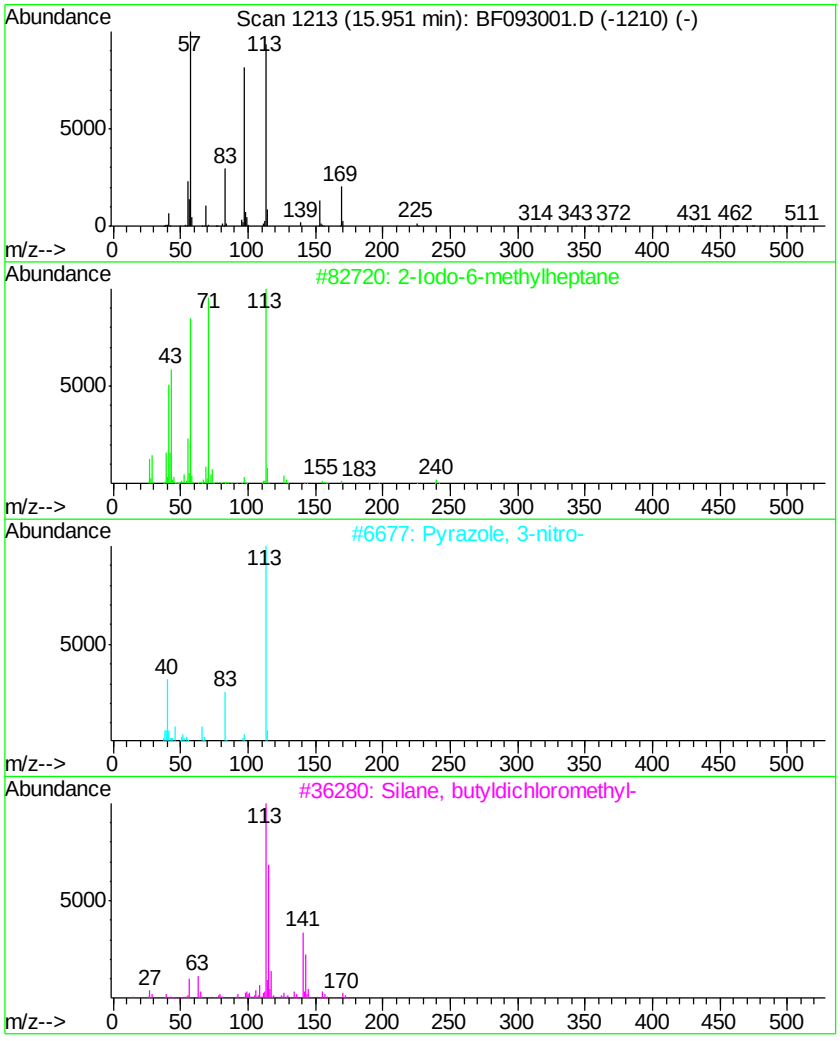
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

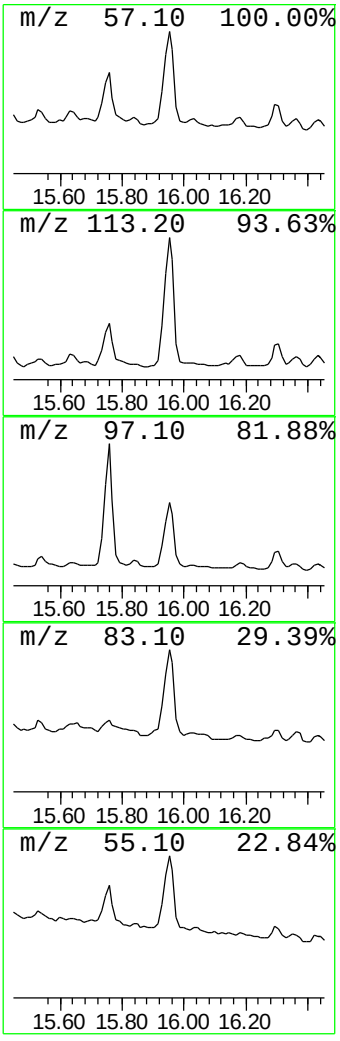
****

Peak Number 17 unknown15.95 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	29.16 ng	5310030	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Iodo-6-methylheptane	240	C8H17I	088373-60-8	25
2	Pyrazole, 3-nitro-	113	C3H3N3O2	026621-44-3	25
3	Silane, butyldichloromethyl-	170	C5H12Cl2Si	018147-23-4	22
4	Ethyl 2-thiopheneacetate	170	C8H10O2S	057382-97-5	22
5	.beta.-D-Fructopyranose, 2,3:4,5...	368	C17H30B2O7	1000156-76-8	17





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

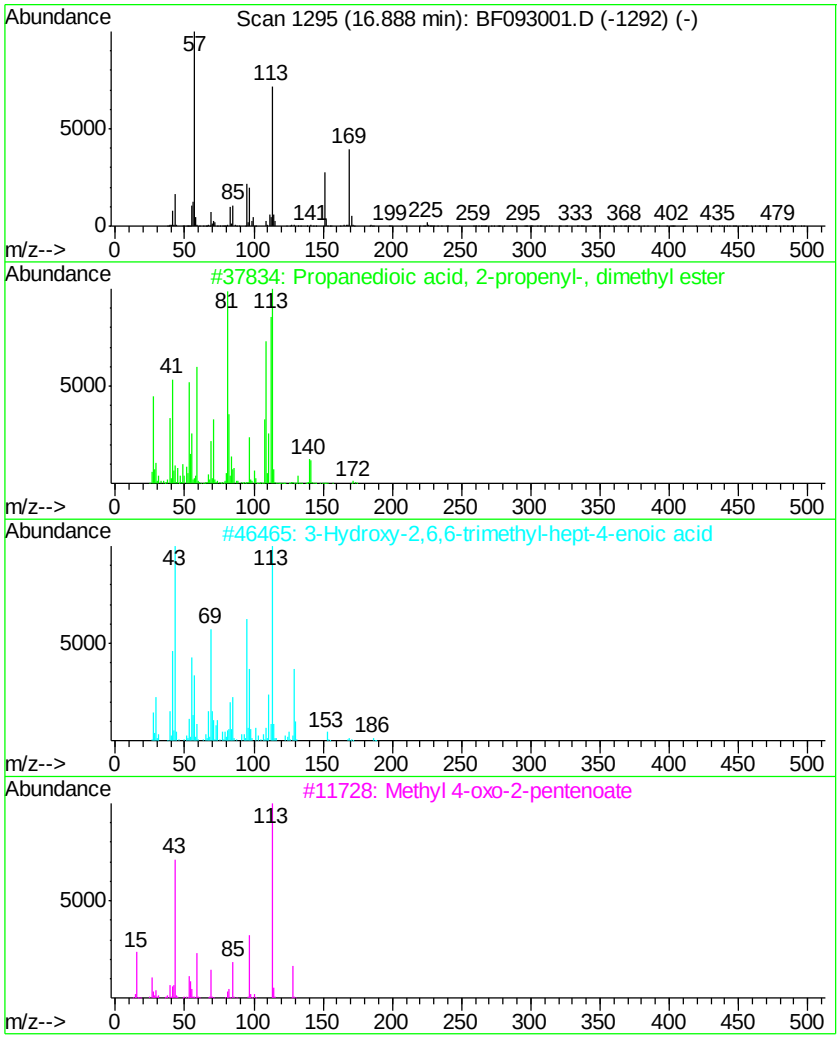
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

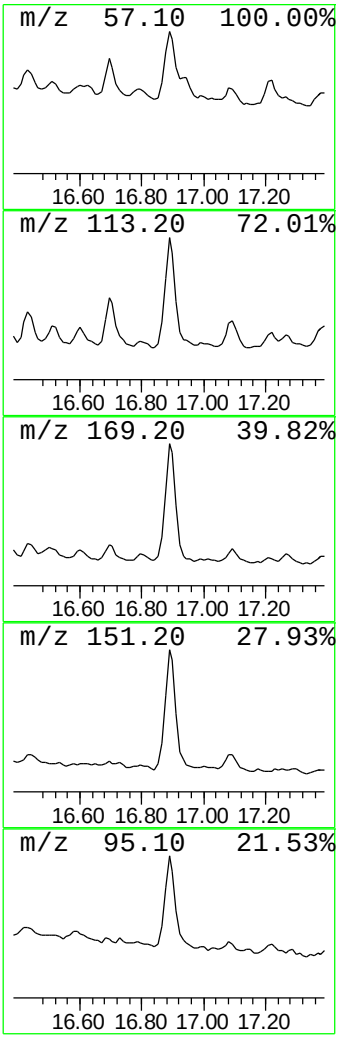
****

Peak Number 18 unknown16.89 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	13.52 ng	2462830	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanedioic acid, 2-propenyl-, ...	172	C8H12O4	040637-56-7	25
2	3-Hydroxy-2,6,6-trimethyl-hept-4...	186	C10H18O3	1000185-34-0	16
3	Methyl 4-oxo-2-pentenoate	128	C6H8O3	004188-88-9	12
4	5-Nonanone, 2,2,8,8-tetramethyl-	198	C13H26O	005709-95-5	12
5	Ribitol, 1,3:4,5-di-O-(ethylbora...	212	C9H18B2O4	1000149-52-8	12





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

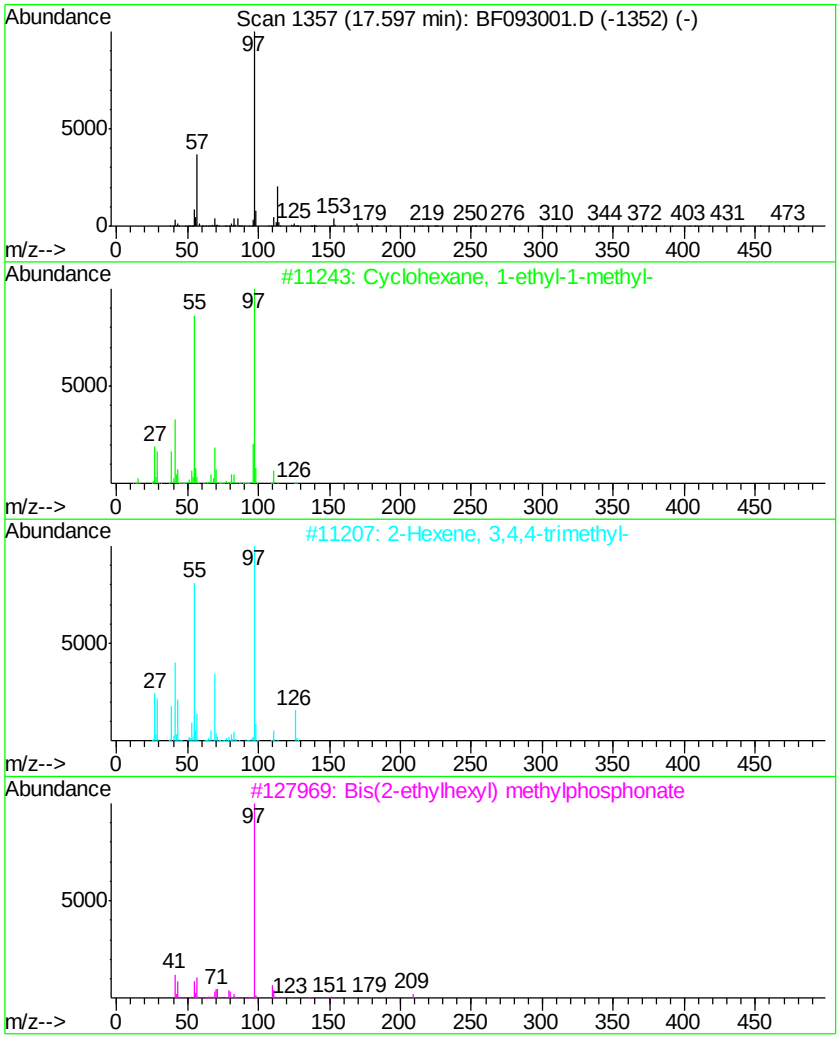
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

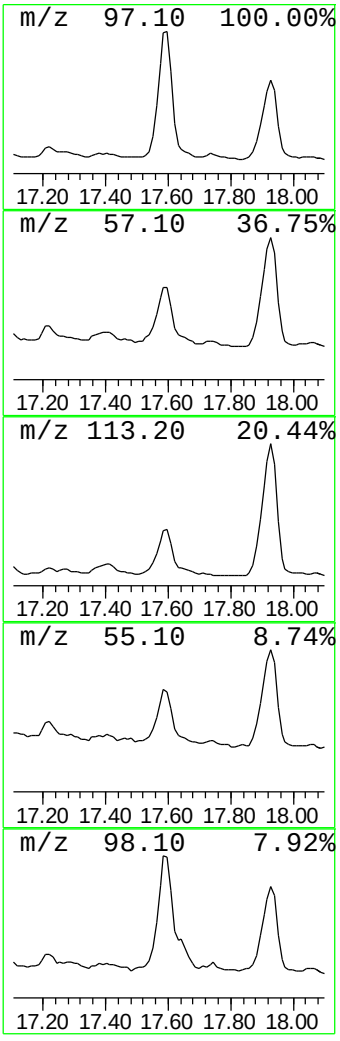
****

Peak Number 19 unknown17.60 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	38.04 ng	6927620	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	9
2	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	9
3	Bis(2-ethylhexyl) methylphosphonate	320	C17H37O3P	1000298-35-3	9
4	cis-1-Decalone	152	C10H16O	1000145-07-6	9
5	4-Octen-3-one	126	C8H14O	014129-48-7	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

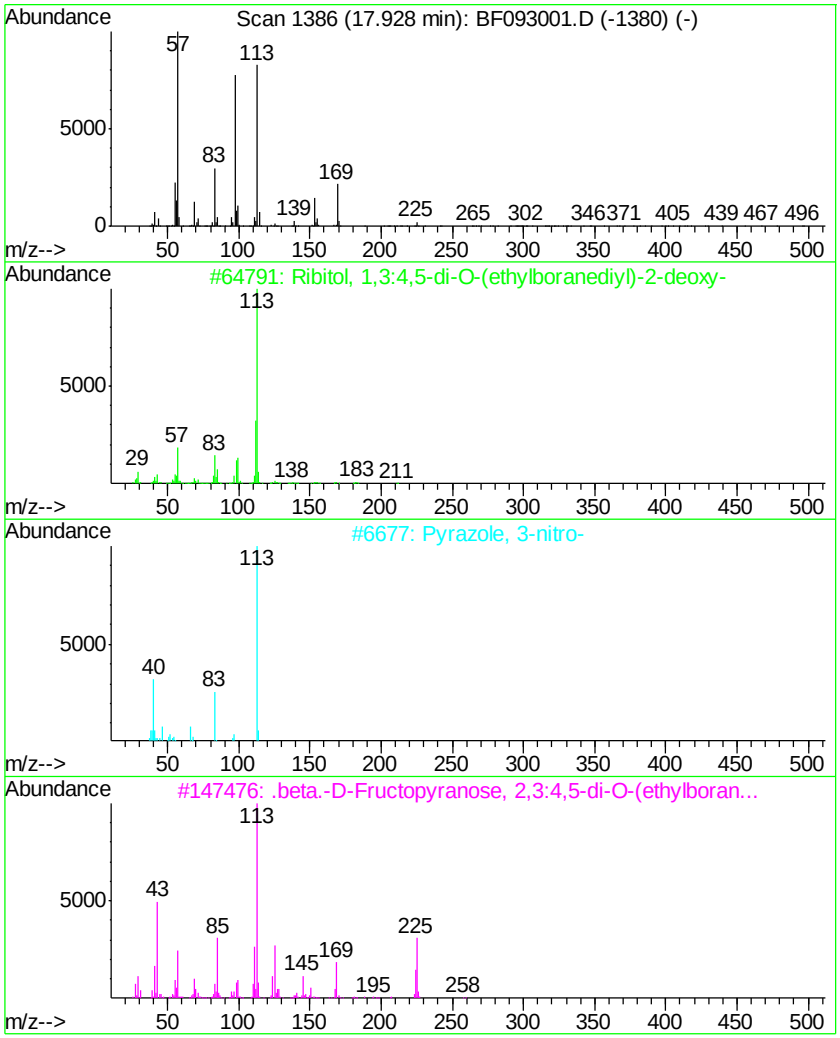
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

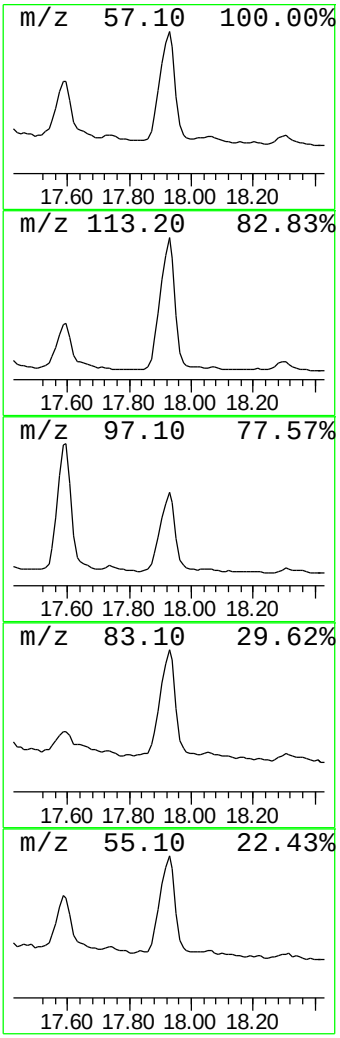
****

Peak Number 20 unknown17.93 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	56.49 ng	10287600	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ribitol, 1,3:4,5-di-O-(ethylbora...	212	C9H18B2O4	1000149-52-8	25
2	Pyrazole, 3-nitro-	113	C3H3N3O2	026621-44-3	16
3	.beta.-D-Fructopyranose, 2,3:4,5...	368	C17H30B2O7	1000156-76-8	16
4	4H-1,2,4-Triazole, 4-ethyl-	97	C4H7N3	043183-55-7	14
5	Benzeneacetic acid, .alpha.-meth...	330	C17H21F3O3	1000195-48-0	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093001.D
Acq On : 17 Feb 2017 00:32
Operator : SJ/MA
Sample : I1868-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-AB-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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
2-Pentanone, 4-hy...	5.01	20.5	ng	924948	1	6.85	902228	20.0
unknown6.62	6.62	61.5	ng	2772350	1	6.85	902228	20.0
Undecane	6.69	15.6	ng	703243	1	6.85	902228	20.0
unknown6.92	6.92	25.1	ng	1134720	1	6.85	902228	20.0
unknown7.17	7.17	17.7	ng	798936	1	6.85	902228	20.0
Oxazole, 2,4-dime...	9.08	32.1	ng	2031940	3	9.89	1266360	20.0
unknown9.29	9.29	47.6	ng	3012040	3	9.89	1266360	20.0
unknown10.02	10.02	23.5	ng	1490280	3	9.89	1266360	20.0
unknown10.36	10.36	20.9	ng	1321240	3	9.89	1266360	20.0
unknown10.43	10.43	17.2	ng	1088680	3	9.89	1266360	20.0
Bis(2-ethylhexyl)...	10.77	13.3	ng	3296280	4	11.39	4971320	20.0
unknown10.96	10.96	26.6	ng	6612690	4	11.39	4971320	20.0
Benzene, (1-methy...	11.33	15.3	ng	3810820	4	11.39	4971320	20.0
Benzene, (1-methy...	11.79	13.7	ng	3408410	4	11.39	4971320	20.0
unknown15.76	15.76	20.0	ng	3642110	6	15.54	3642110	20.0
unknown15.95	15.95	29.2	ng	5310030	6	15.54	3642110	20.0
unknown16.89	16.89	13.5	ng	2462830	6	15.54	3642110	20.0
unknown17.60	17.60	38.0	ng	6927620	6	15.54	3642110	20.0
unknown17.93	17.93	56.5	ng	10287600	6	15.54	3642110	20.0