LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
Data File : BF082098.D
Acq On : 6 Oct 2015 22:14
Operator : UM/IZ
Sample : G3926-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

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-BF092815.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	5.063	253	256	262	rVB	625355	812261	44.74%	3.591%
2	5.474	290	292	295	rBV	1186593	1557539	85.78%	6.886%
3	6.514	380	383	385	rBV	1596017	1598253	88.03%	7.066%
4	6.652	392	395	397	rBV	1795652	1815673	100.00%	8.027%
5	6.880	413	415	418	rBV	488243	437932	24.12%	1.936%
6	7.040	426	429	431	rBV	1417867	1316550	72.51%	5.820%
7	7.154	436	439	440	rVB	13420	19241	1.06%	0.085%
8	7.269	446	449	451	rBV2	11960	22825	1.26%	0.101%
9	7.417	458	462	463	rBV3	16669	35224	1.94%	0.156%
10	7.452	463	465	467	rVV	1073108	1032985	56.89%	4.567%
11	7.532	469	472	473	rVV2	33989	60090	3.31%	0.266%
12	7.577	473	476	480	rVV5	12832	40396	2.22%	0.179%
13	7.657	482	483	484	rBV	28016	24611	1.36%	0.109%
14	7.692	484	486	487	rVB	30051	32290	1.78%	0.143%
15	7.806	494	496	498	rVB2	46117	44718	2.46%	0.198%
16	7.909	503	505	510	rBV5	15390	33492	1.84%	0.148%
17	7.989	510	512	514	rBV2	19938	29212	1.61%	0.129%
18	8.035	514	516	518	rBV2	27613	43494	2.40%	0.192%
19	8.069	518	519	521	rBV2	22149	20367	1.12%	0.090%
20	8.172	521	528	530	rBV	668331	750835	41.35%	3.319%
21	8.229	530	533	534	rVB	127202	169014	9.31%	0.747%
22	8.252	534	535	537	rBV2	42685	56666	3.12%	0.251%
23	8.366	539	545	547	rBV4	60815	144050	7.93%	0.637%
24	8.457	549	553	555	rBV3	78479	147600	8.13%	0.653%
25	8.515	556	558	559	rBV	27415	20505	1.13%	0.091%
26	8.549	559	561	562	rVB	42810	33072	1.82%	0.146%
27	8.583	562	564	565	rBV	110817	97730	5.38%	0.432%
28	8.675	570	572	573	rBV	40520	45491	2.51%	0.201%
29	8.709	573	575	578	rBV4	59080	117876	6.49%	0.521%
30	8.789	580	582	584	rVV3	35806	78109	4.30%	0.345%
31	8.858	586	588	589	rVB2	77187	100771	5.55%	0.445%
32	8.915	591	593	594	rVB	51190	49790	2.74%	0.220%
33	8.938	594	595	597	rBV2	49569	84928	4.68%	0.375%
34	9.040	603	604	605	rBV	53453	57800	3.18%	0.256%

LSC Area Percent Report

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Acq On : 6 Oct 2015 22:14
Operator : UM/IZ
Sample : G3926-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

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-BF092815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.075	605	607	609	rVV3	61027	71936	3.96%	0.318%
36	9.120	609	611	612	rVV2	34620	45793	2.52%	0.202%
37	9.155	612	614	615	rVV	47336	47914	2.64%	0.212%
38	9.189	615	617	619	rVB2	151534	145674	8.02%	0.644%
39	9.246	619	622	624	rBV	1857344	1652952	91.04%	7.307%
40	9.326	626	629	631	rBV4	109141	170257	9.38%	0.753%
41	9.360	631	632	634	rBV2	37107	60166	3.31%	0.266%
42	9.509	644	645	647	rBV2	42823	62623	3.45%	0.277%
43	9.555	647	649	650	rVB	36551	33592	1.85%	0.149%
44	9.646	654	657	658	rVB2	426549	565871	31.17%	2.502%
45	9.783	668	669	671	rBV2	119455	136083	7.49%	0.602%
46	9.829	671	673	675	rVB2	159649	161125	8.87%	0.712%
47	9.932	677	682	683	rVV	525404	782809	43.11%	3.461%
48	9.955	683	684	689	rVB5	76424	158239	8.72%	0.700%
49	10.035	689	691	693	rBV2	73855	92728	5.11%	0.410%
50	10.080	693	695	696	rBV2	31120	53276	2.93%	0.236%
51	10.115	696	698	701	rVV2	68864	122991	6.77%	0.544%
52	10.172	701	703	707	rVB4	83510	184036	10.14%	0.814%
53	10.241	707	709	711	rBV2	109820	150135	8.27%	0.664%
54	10.332	715	717	720	rBV3	115870	207344	11.42%	0.917%
55	10.469	727	729	730	rBV	79638	84621	4.66%	0.374%
56	10.572	735	738	741	rVB3	126283	194847	10.73%	0.861%
57	10.629	741	743	745	rVB3	52682	78898	4.35%	0.349%
58	10.721	748	751	753	rBV	989766	1026821	56.55%	4.539%
59	10.835	759	761	765	rVB	275240	353736	19.48%	1.564%
60	10.915	765	768	769	rBV2	80706	132200	7.28%	0.584%
61	11.018	775	777	778	rBV	33695	40445	2.23%	0.179%
62	11.052	778	780	783	rVB3	57620	96854	5.33%	0.428%
63	11.166	786	790	793	rBV4	66087	202820	11.17%	0.897%
64	11.303	800	802	805	rVB2	128078	174698	9.62%	0.772%
65	11.418	810	812	814	rBV	533084	595640	32.81%	2.633%
66	11.521	819	821	824	rBV4	34721	83936	4.62%	0.371%
67	11.646	830	832	834	rBV2	52446	75520	4.16%	0.334%
68	11.749	838	841	846	rVB5	52459	146641	8.08%	0.648%
69	11.829	846	848	850	rBV2	25454	38338	2.11%	0.169%
70	11.932	854	857	859	rVV3	49646	112967	6.22%	0.499%
71	11.978	859	861	864	rVV2	51655	101970	5.62%	0.451%

LSC Area Percent Report

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Data File : BF082098.D
Acq On : 6 Oct 2015 22:14
Operator : UM/IZ
Sample : G3926-01
Misc :
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Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.024	864	865	869	rVB	78779	122960	6.77%	0.544%
73	12.149	874	876	877	rVB2	36296	29449	1.62%	0.130%
74	12.344	891	893	896	rVB2	38771	57580	3.17%	0.255%
75	12.469	901	904	905	rBV	67218	82406	4.54%	0.364%
76	12.629	916	918	920	rBV	67803	70979	3.91%	0.314%
77	12.664	920	921	924	rVB3	35780	43325	2.39%	0.192%
78	12.778	930	931	932	rBV	28170	29139	1.60%	0.129%
79	12.858	935	938	942	rBV2	101757	202668	11.16%	0.896%
80	12.915	942	943	945	rVB	35200	28769	1.58%	0.127%
81	12.995	948	950	953	rBV	891956	1242519	68.43%	5.493%
82	13.132	960	962	963	rBV	23817	21352	1.18%	0.094%
83	13.292	974	976	978	rBV3	29117	31374	1.73%	0.139%
84	13.384	982	984	985	rBV	23377	23440	1.29%	0.104%
85	13.487	991	993	995	rVB	37456	44822	2.47%	0.198%
86	13.898	1027	1029	1034	rVB4	60640	99772	5.50%	0.441%
87	14.058	1040	1043	1045	rBV	521531	571413	31.47%	2.526%
88	15.510	1167	1170	1174	rVB	341513	435524	23.99%	1.925%
89	16.973	1295	1298	1307	rVB7	37106	104770	5.77%	0.463%

Sum of corrected areas: 22620147

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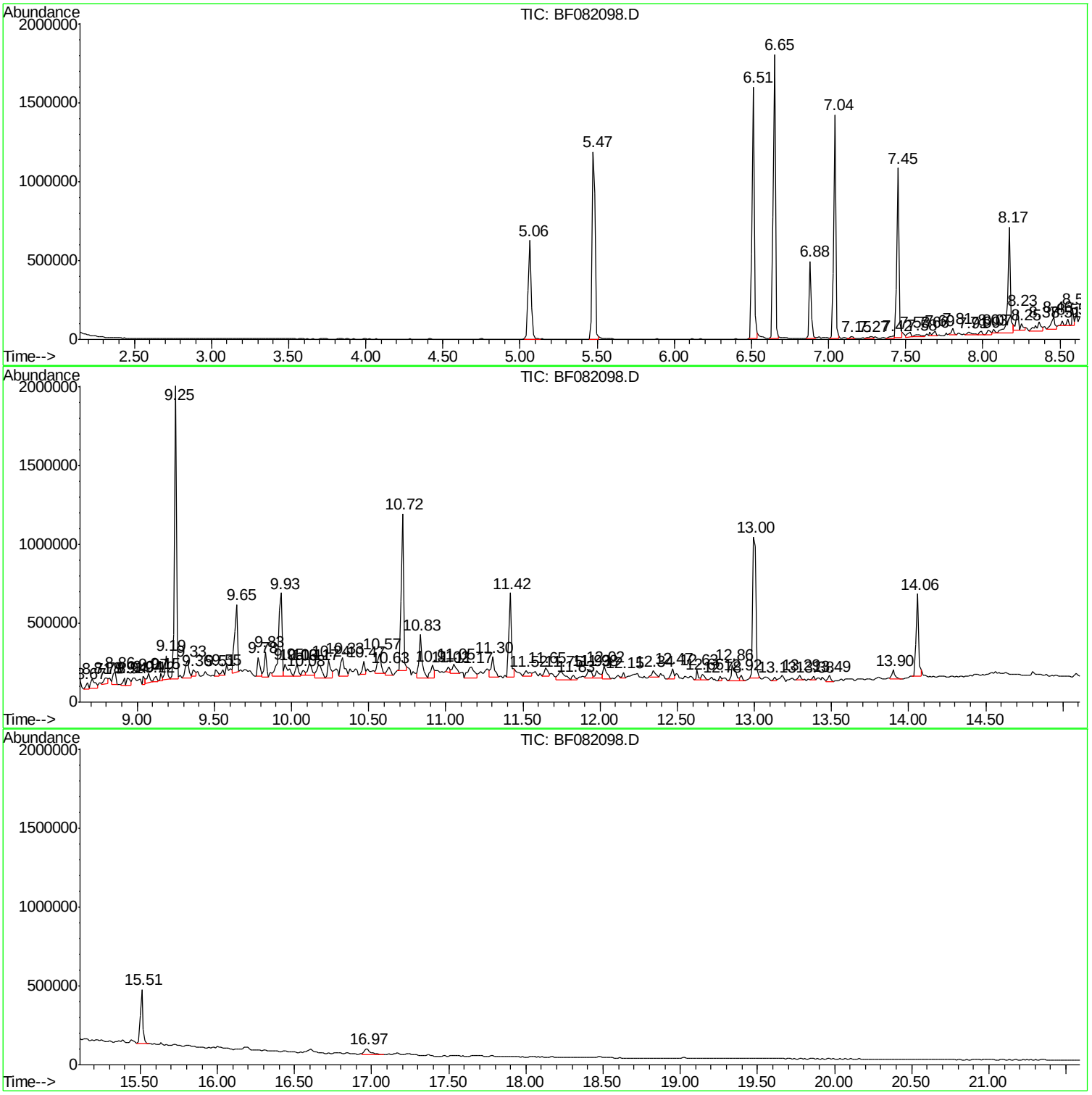
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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\BF100615\
Data File : BF082098.D
Acq On : 6 Oct 2015 22:14
Operator : UM/IZ
Sample : G3926-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

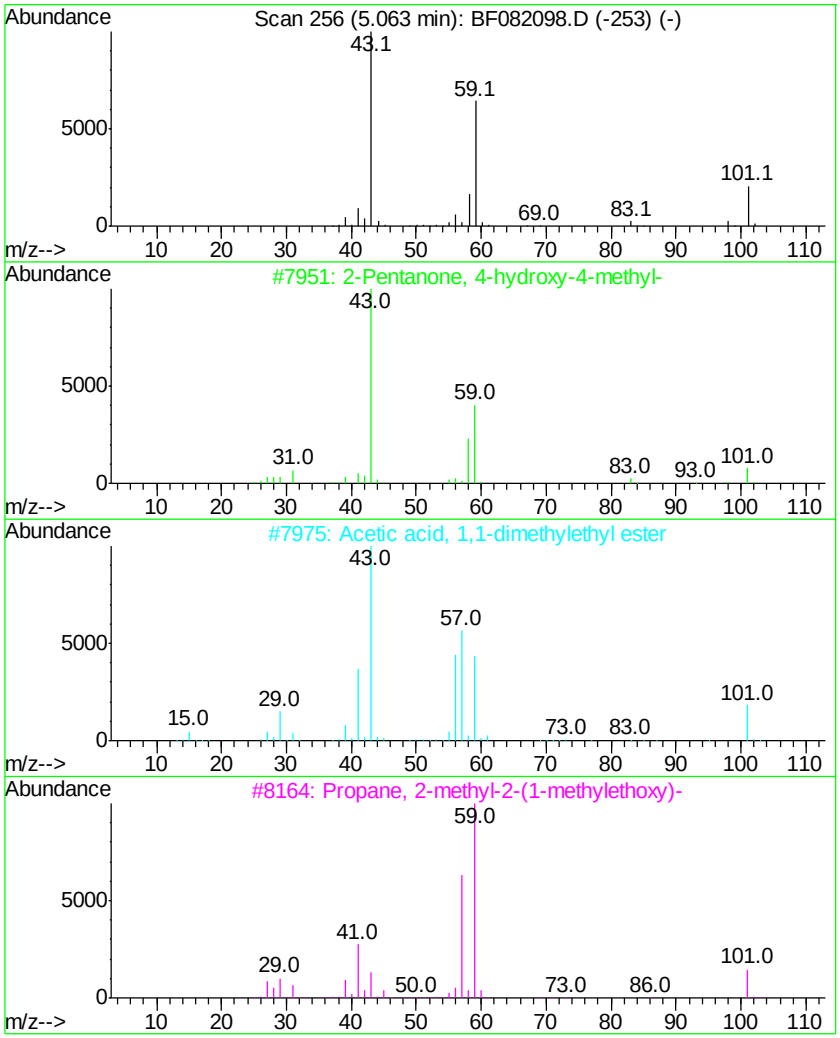
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

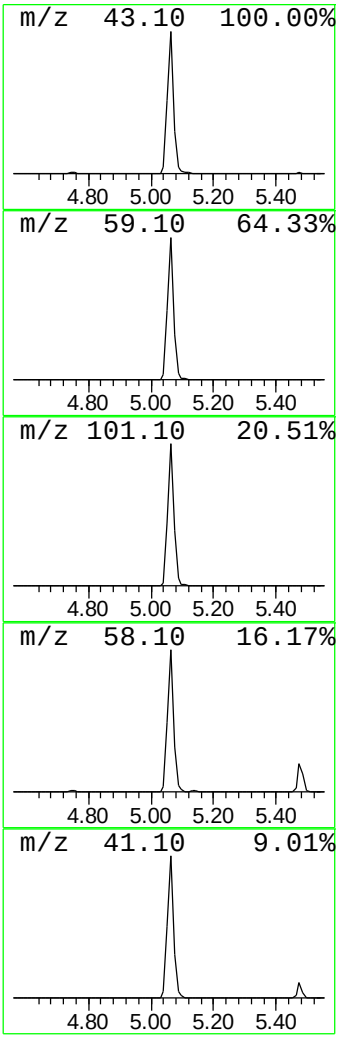
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	37.10 ng	812261	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
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Operator : UM/IZ
Sample : G3926-01
Misc :
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Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

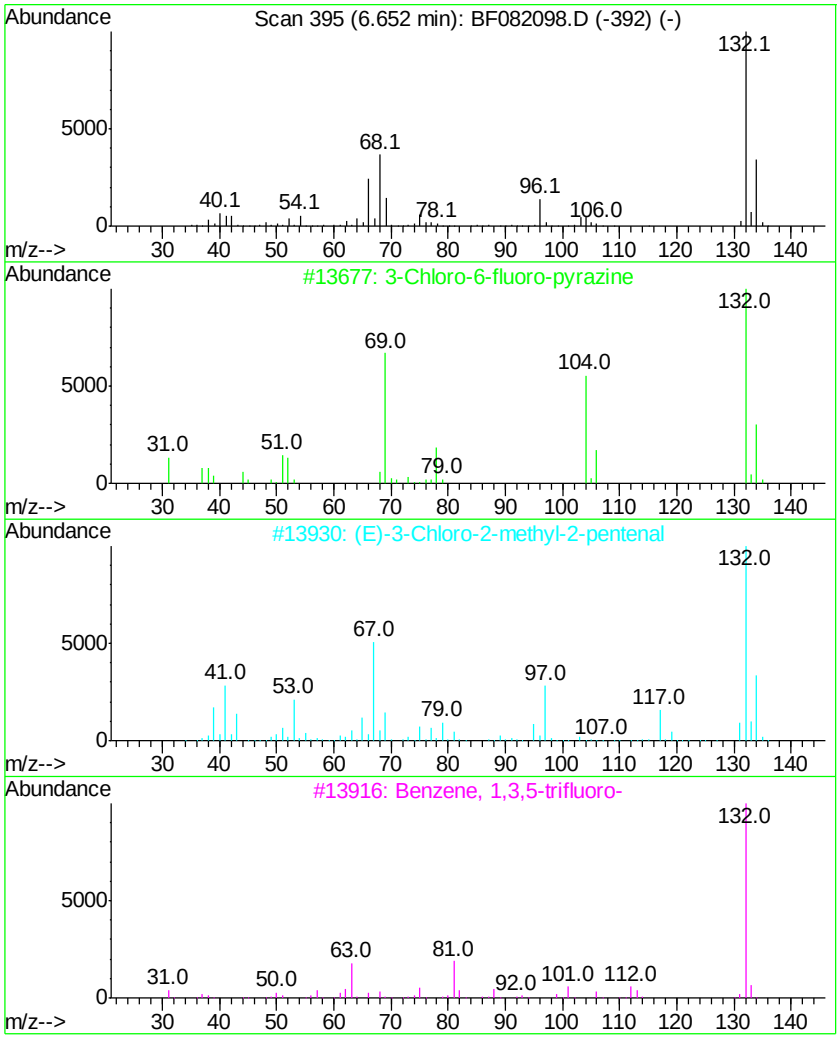
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

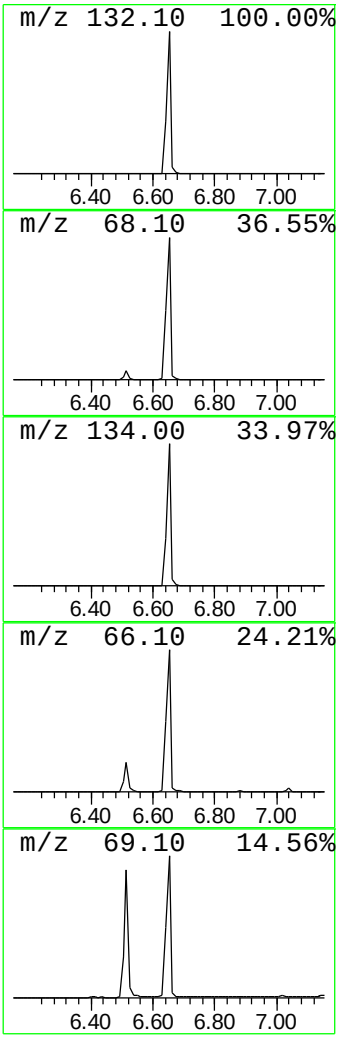
****

Peak Number 2 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	82.92 ng	1815670	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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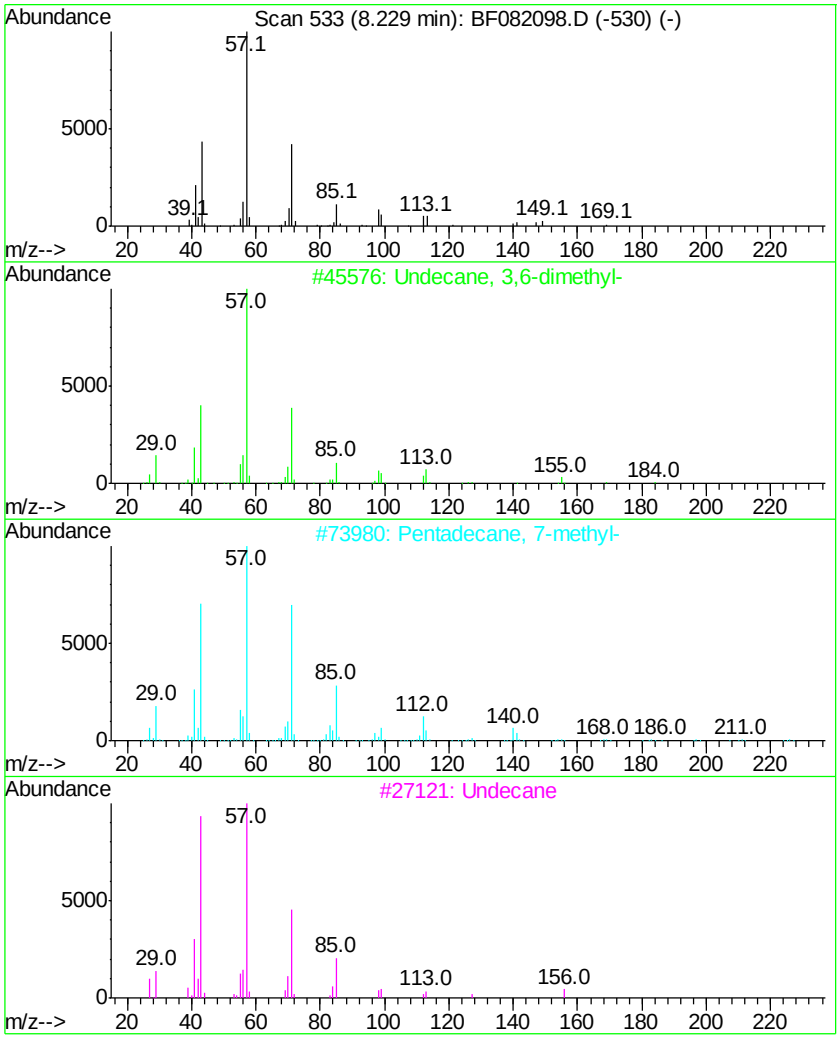
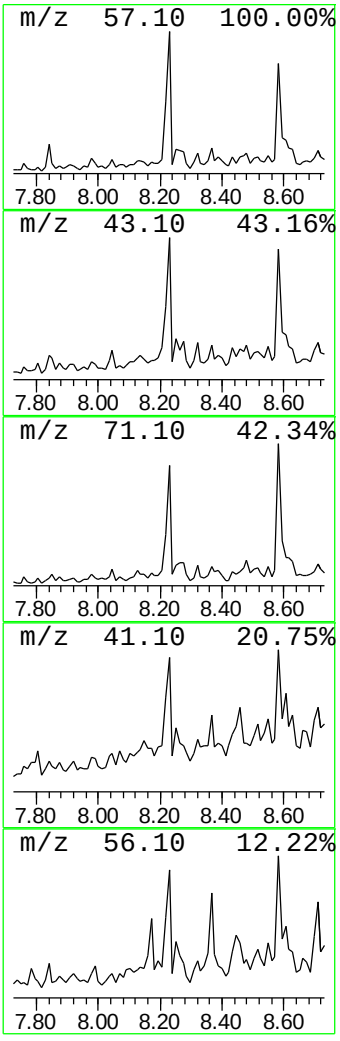
****

Peak Number 4 Undecane, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	4.50 ng	169014	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	90
2	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	72
3	Undecane	156	C11H24	001120-21-4	64
4	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
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Sample : G3926-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
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TIC Library : C:\DATABASE\NIST02.L
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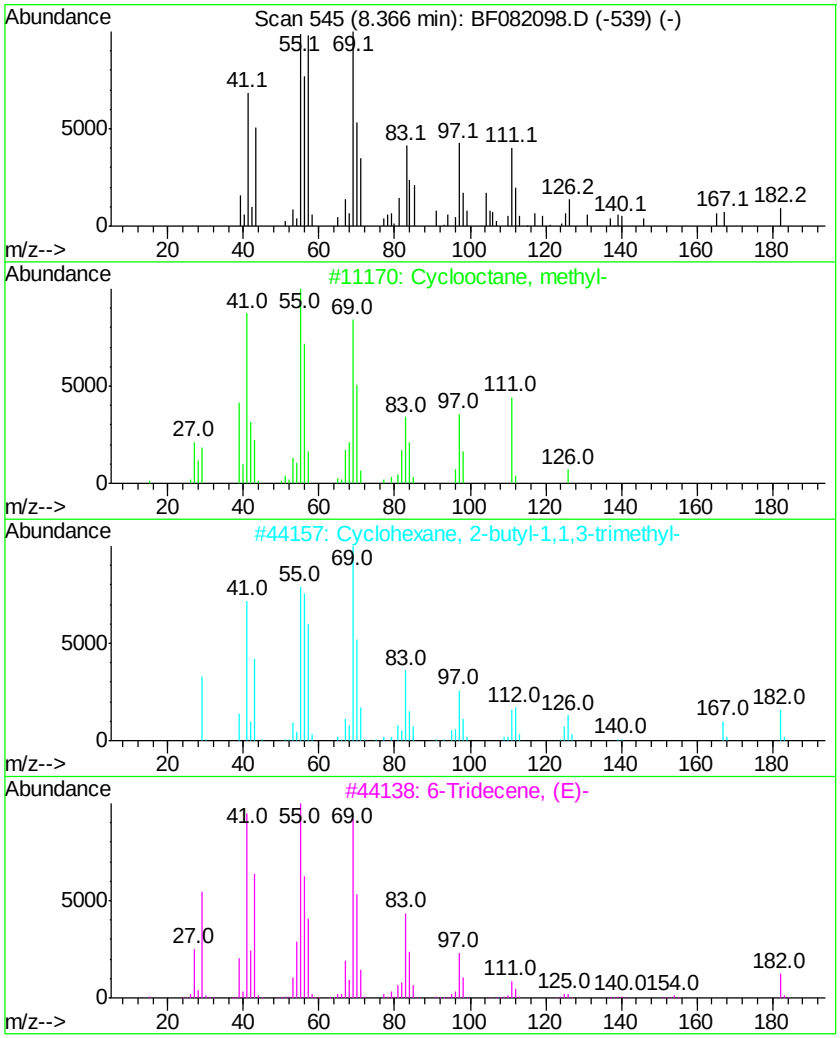
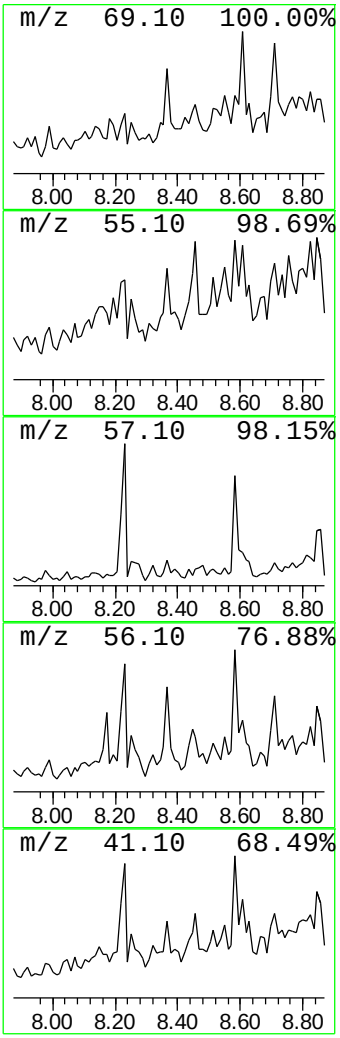
Peak Number 5 Cyclooctane, methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	3.84 ng	144050	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, methyl-	126	C9H18	001502-38-1	87
2	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	76
3	6-Tridecene, (E)-	182	C13H26	006434-76-0	64
4	3-Tridecene, (E)-	182	C13H26	041446-57-5	64
5	1-Decene	140	C10H20	000872-05-9	64





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Data File : BF082098.D
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Operator : UM/IZ
Sample : G3926-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

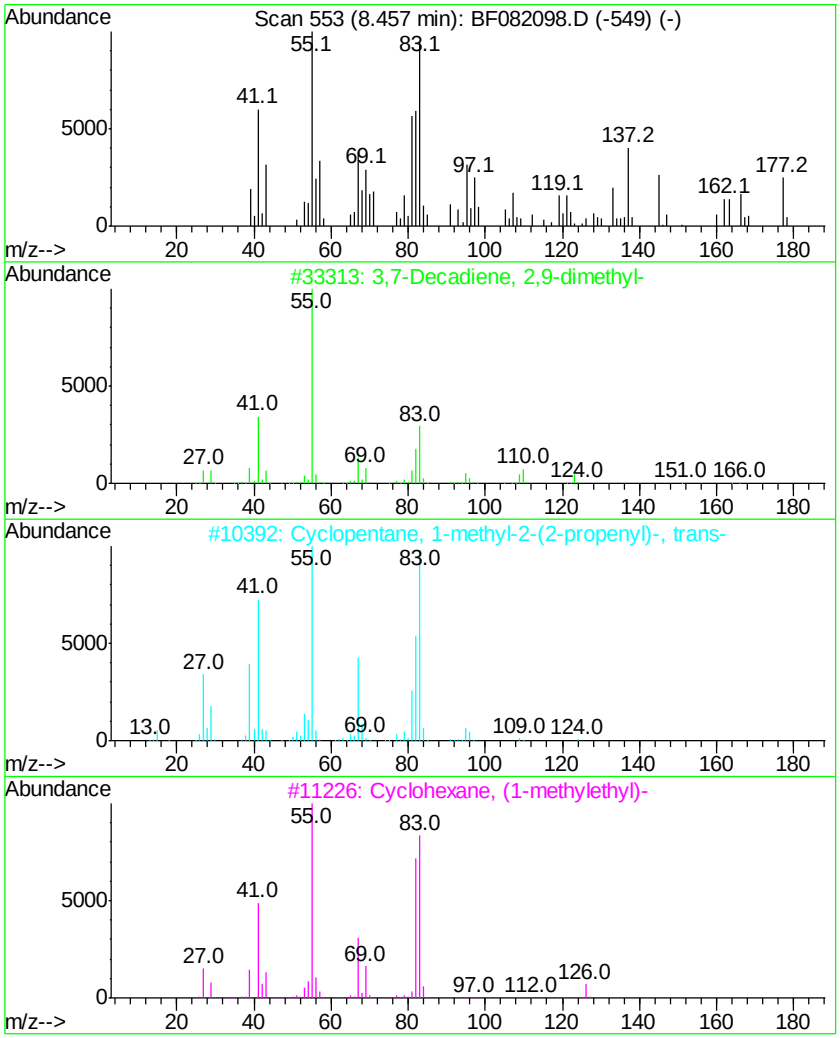
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

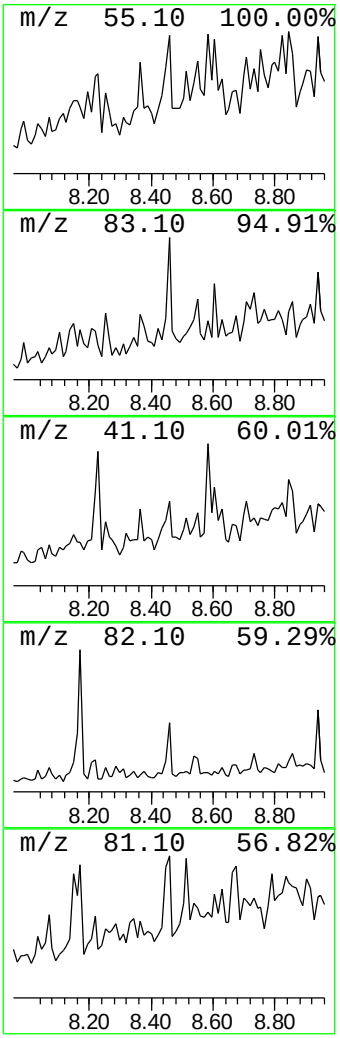
****

Peak Number 6 unknown8.46 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	3.93 ng	147600	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,7-Decadiene, 2,9-dimethyl-	166	C12H22	074630-13-0	43
2	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	38
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	35
5	1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
Data File : BF082098.D
Acq On : 6 Oct 2015 22:14
Operator : UM/IZ
Sample : G3926-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

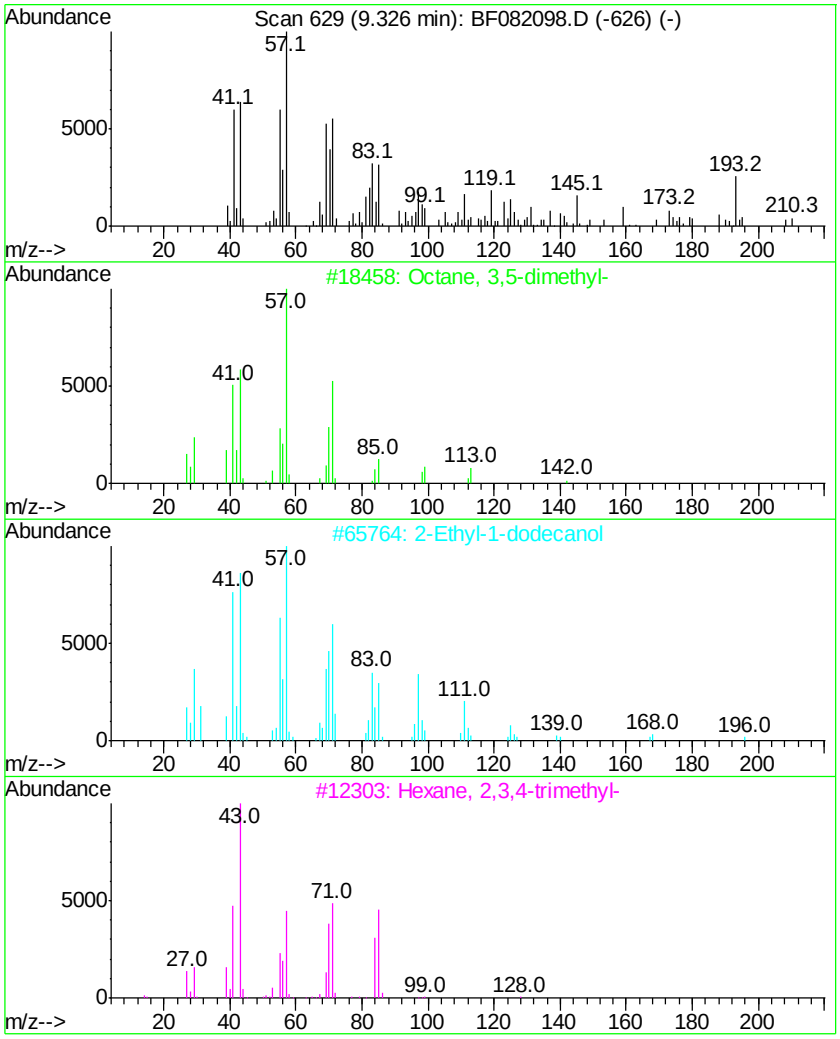
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

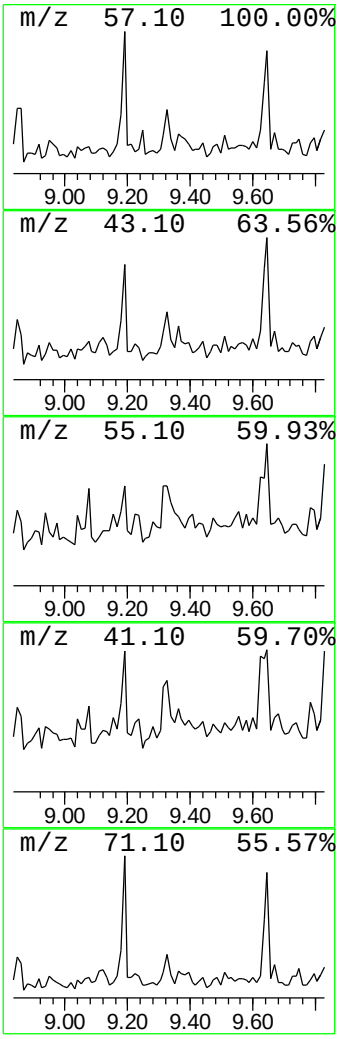
****

Peak Number 7 unknown9.33 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	4.35 ng	170257	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	49
2	2-Ethyl-1-dodecanol	214	C14H30O	019780-33-7	49
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	46
4	Ethanone, 1-(2,2-dimethylcyclope...	140	C9H16O	003664-75-3	45
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	35





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Acq On : 6 Oct 2015 22:14
Operator : UM/IZ
Sample : G3926-01
Misc :
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Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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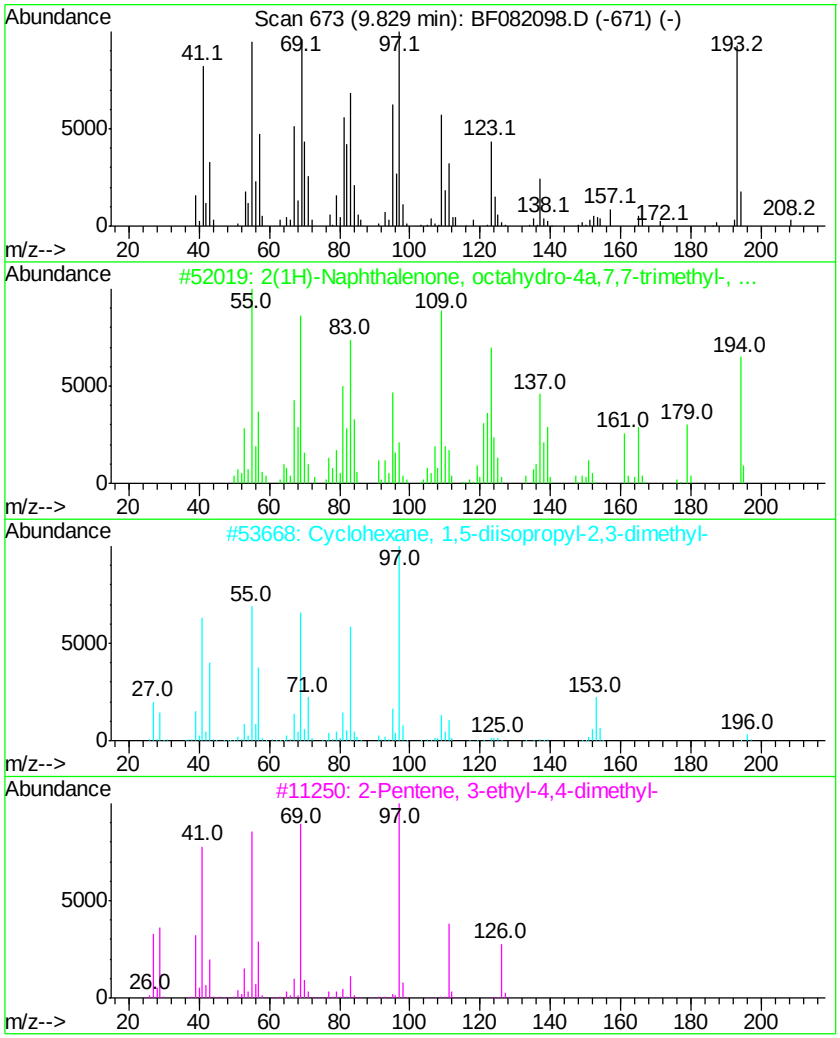
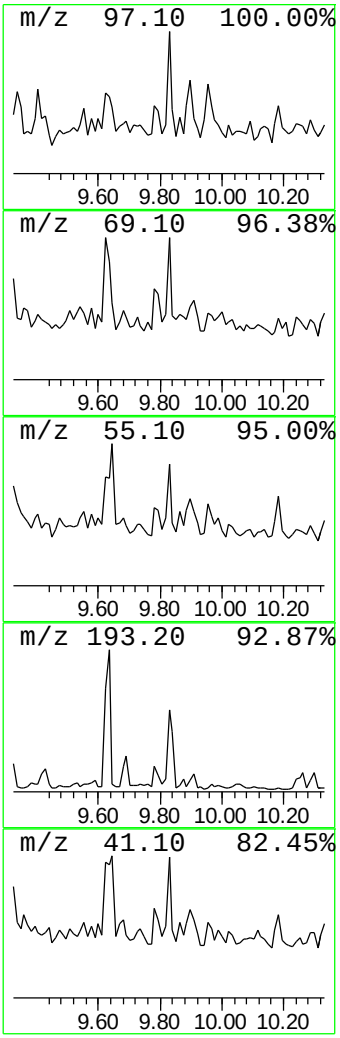
Peak Number 8 unknown9.83 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	4.12 ng	161125	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Naphthalenone, octahydro-4...	194	C13H22O	054699-31-9	43
2	Cyclohexane, 1,5-diisopropyl-2,3...	196	C14H28	1000149-58-8	35
3	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	27
4	Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	069147-03-1	14
5	Cyclohexane, 1,1',1''-(1-ethanyl...	276	C20H36	055682-86-5	14





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Sample : G3926-01
Misc :
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Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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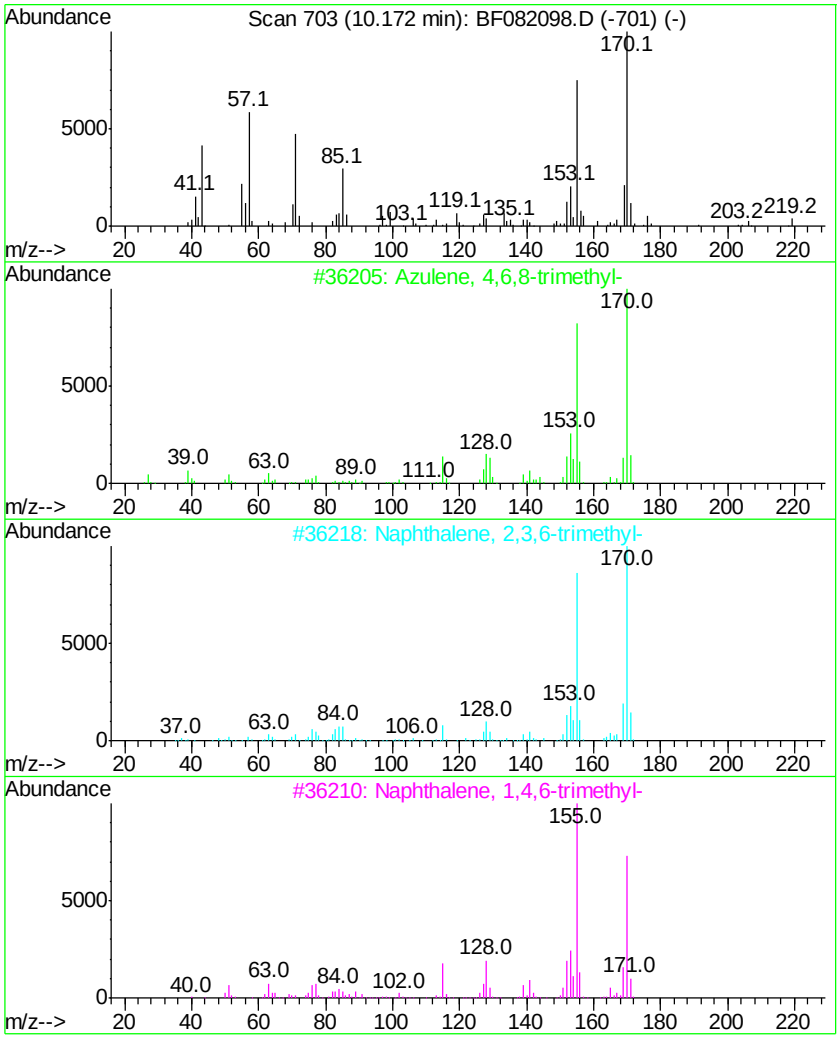
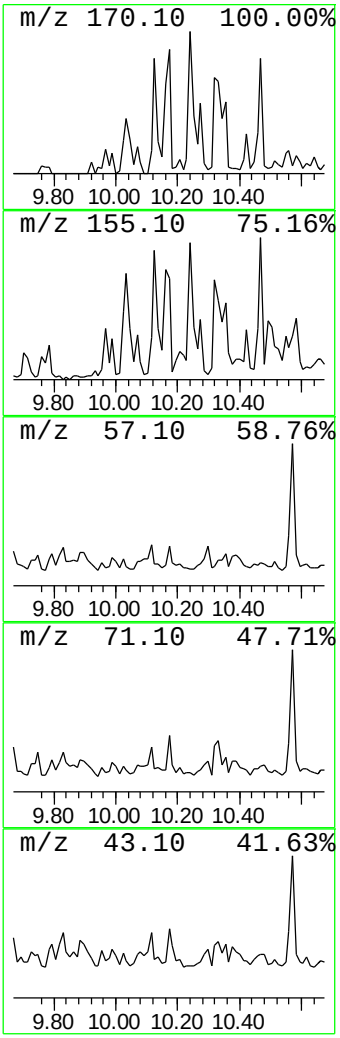
Peak Number 9 Azulene, 4,6,8-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	4.70 ng	184036	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	76
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	74
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	68
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	68
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	64





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Misc :
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ClientSampleId : OS-SB-23(10-12)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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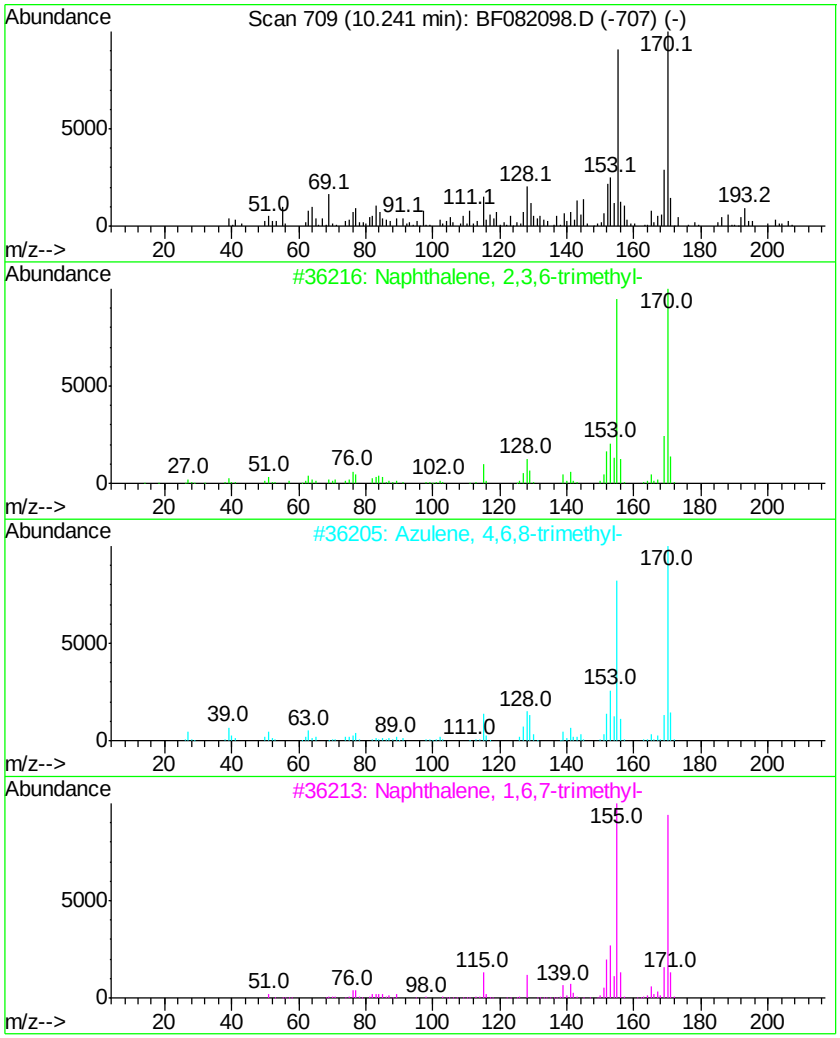
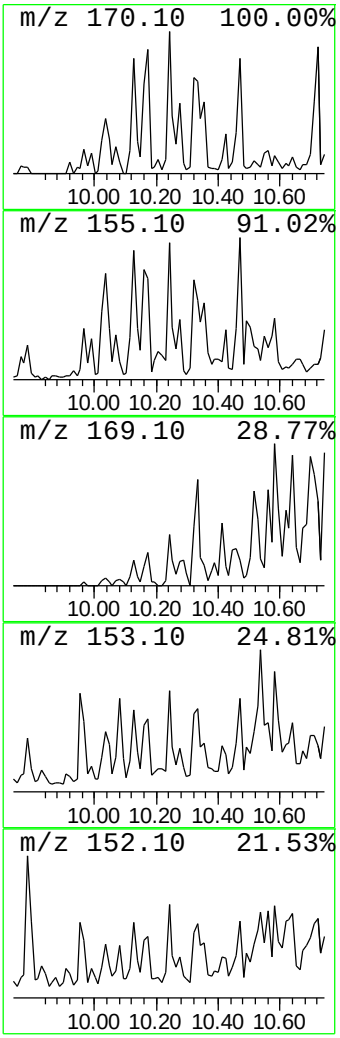
Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	3.84 ng	150135	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93





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Sample : G3926-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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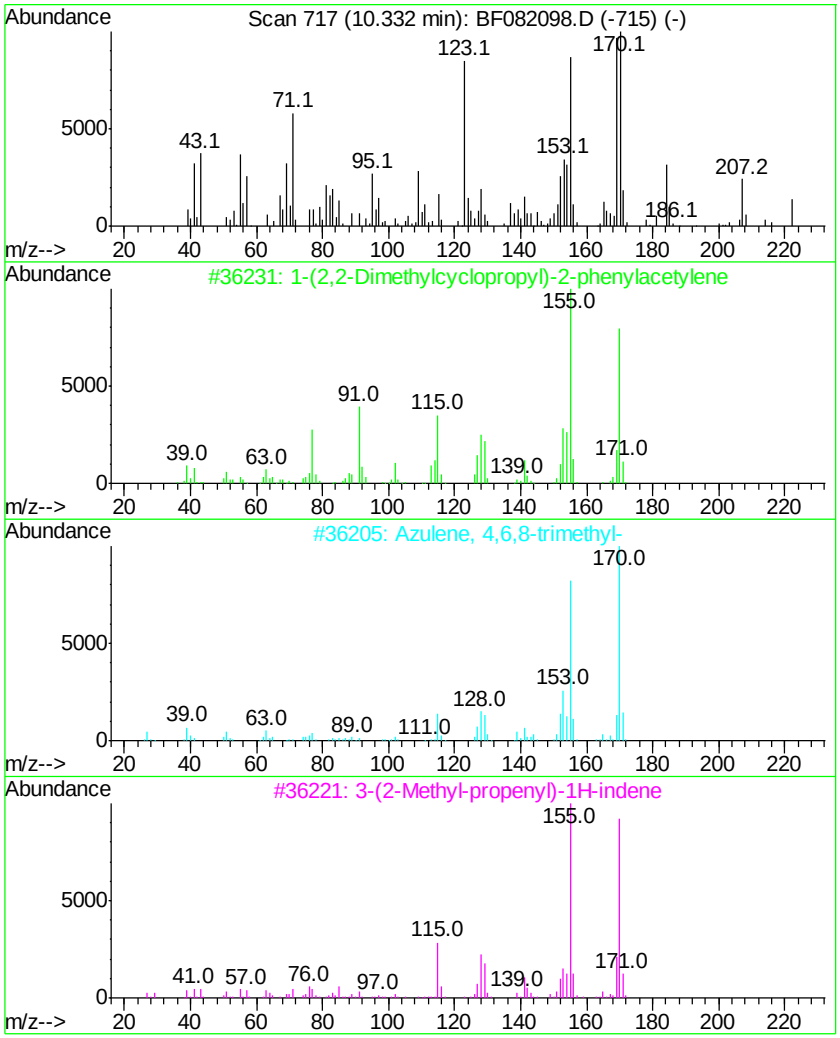
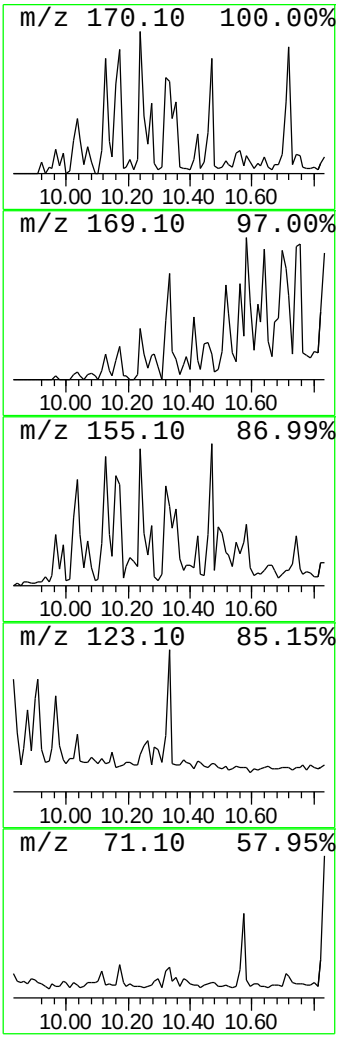
Peak Number 11 1-(2,2-Dimethylcyclopropyl)... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	5.30 ng	207344	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	70
2	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	50
3	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	50
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	46
5	1H,3H-Thieno[3,4-c]thiophene, 4,...	170	C8H10S2	015441-54-0	46





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Sample : G3926-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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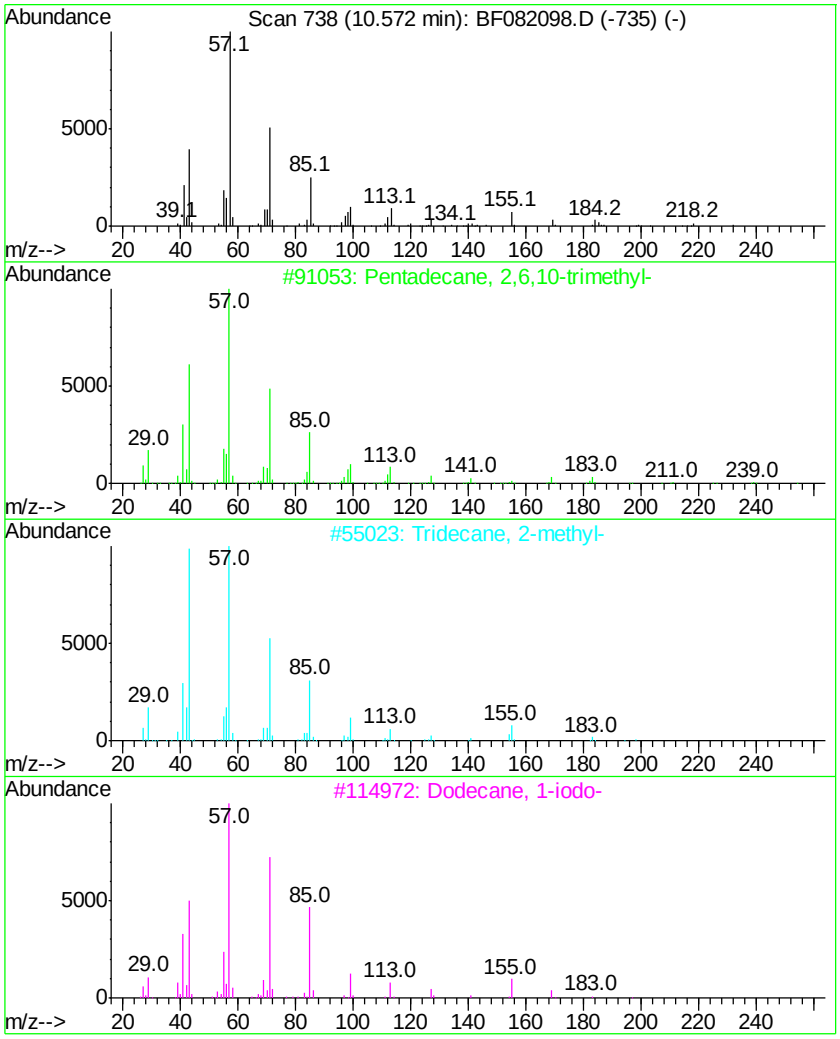
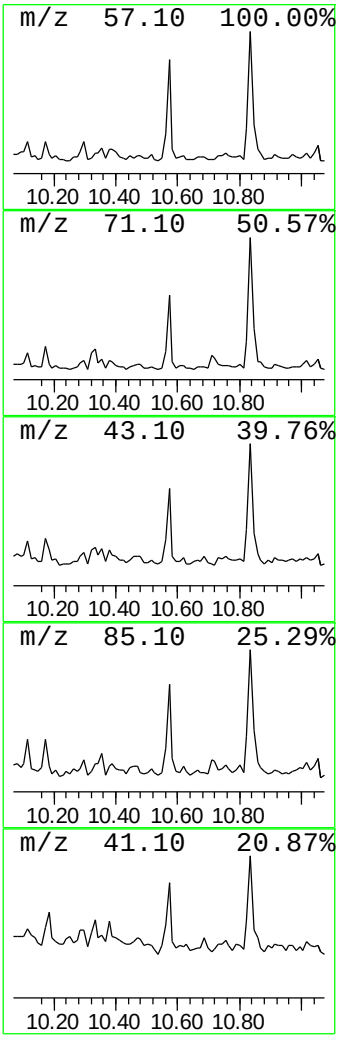
Peak Number 12 Pentadecane, 2,6,10-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	4.98 ng	194847	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2	Tridecane, 2-methyl-	198	C14H30	001560-96-9	78
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
4	Tridecane	184	C13H28	000629-50-5	72
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72





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ClientSampleId : OS-SB-23(10-12)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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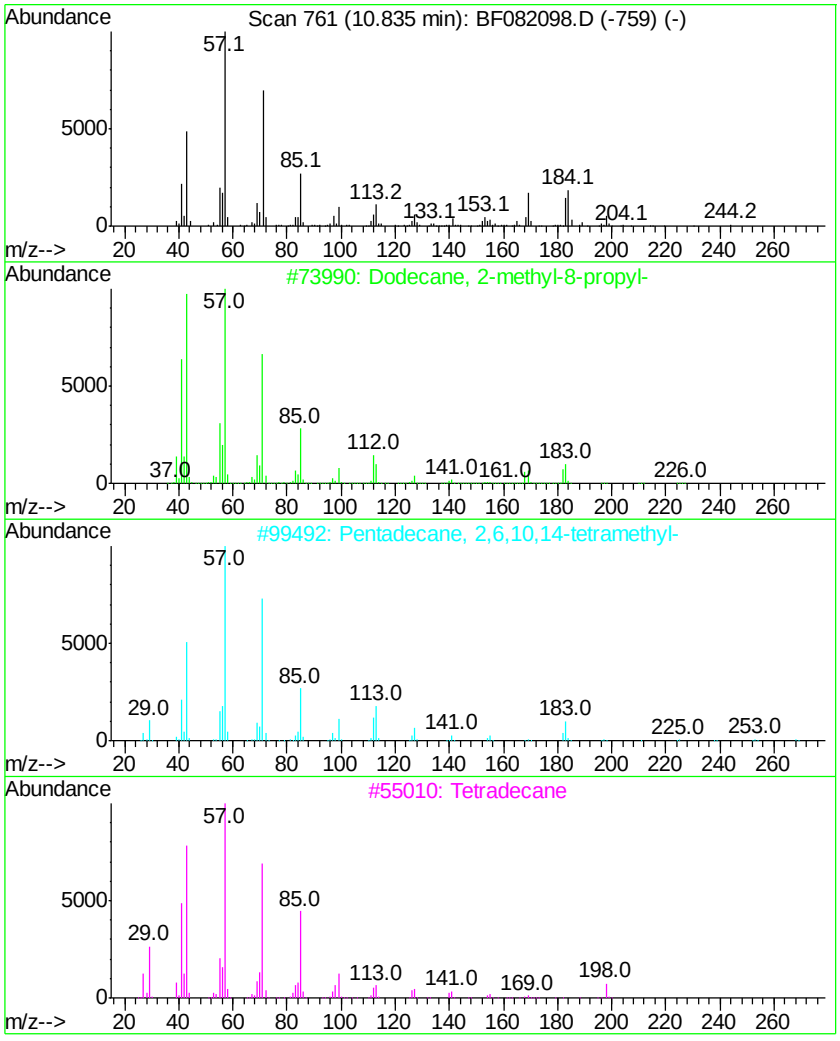
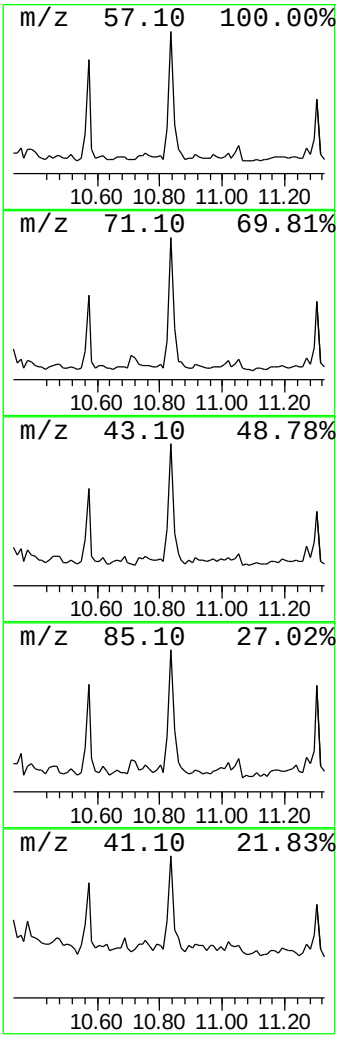
Peak Number 13 Dodecane, 2-methyl-8-propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	11.88 ng	353736	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	80
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
3	Tetradecane	198	C14H30	000629-59-4	64
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	59





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Operator : UM/IZ
Sample : G3926-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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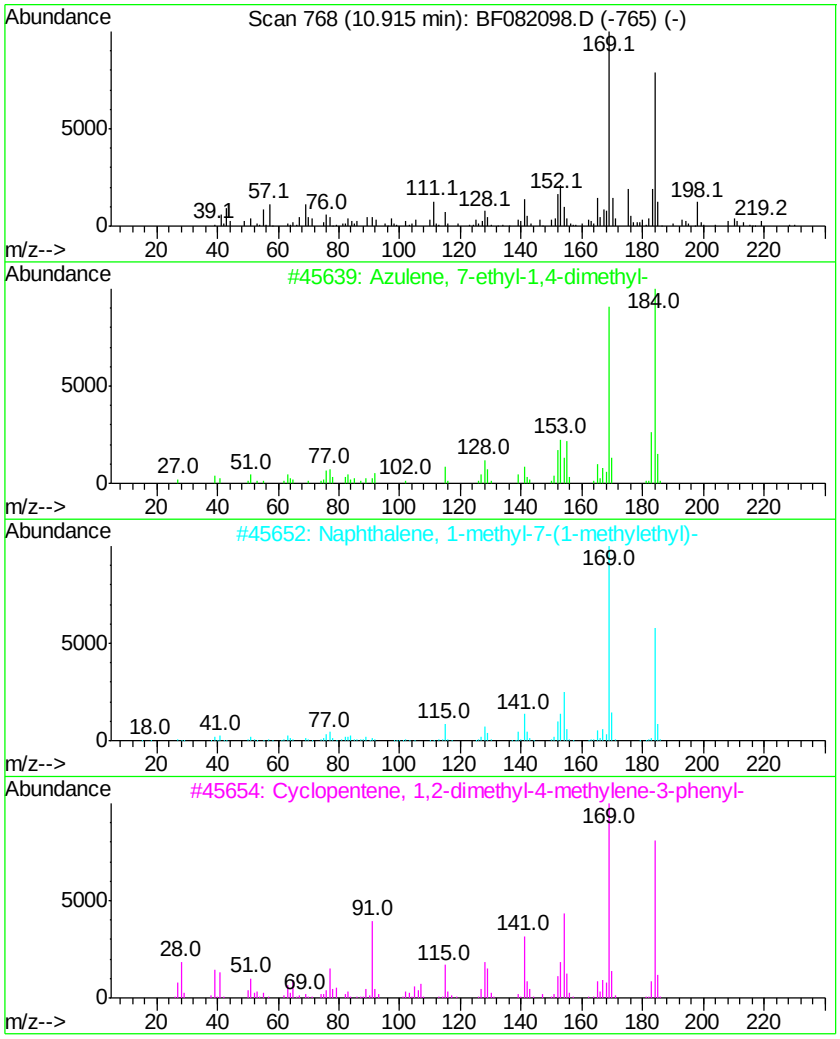
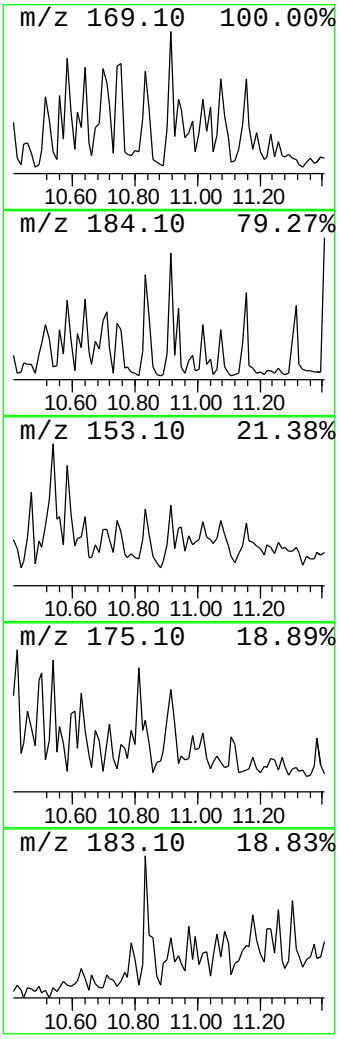
Peak Number 14 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	4.44 ng	132200	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	93
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	81
3	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	80
4	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	64
5	3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	59





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Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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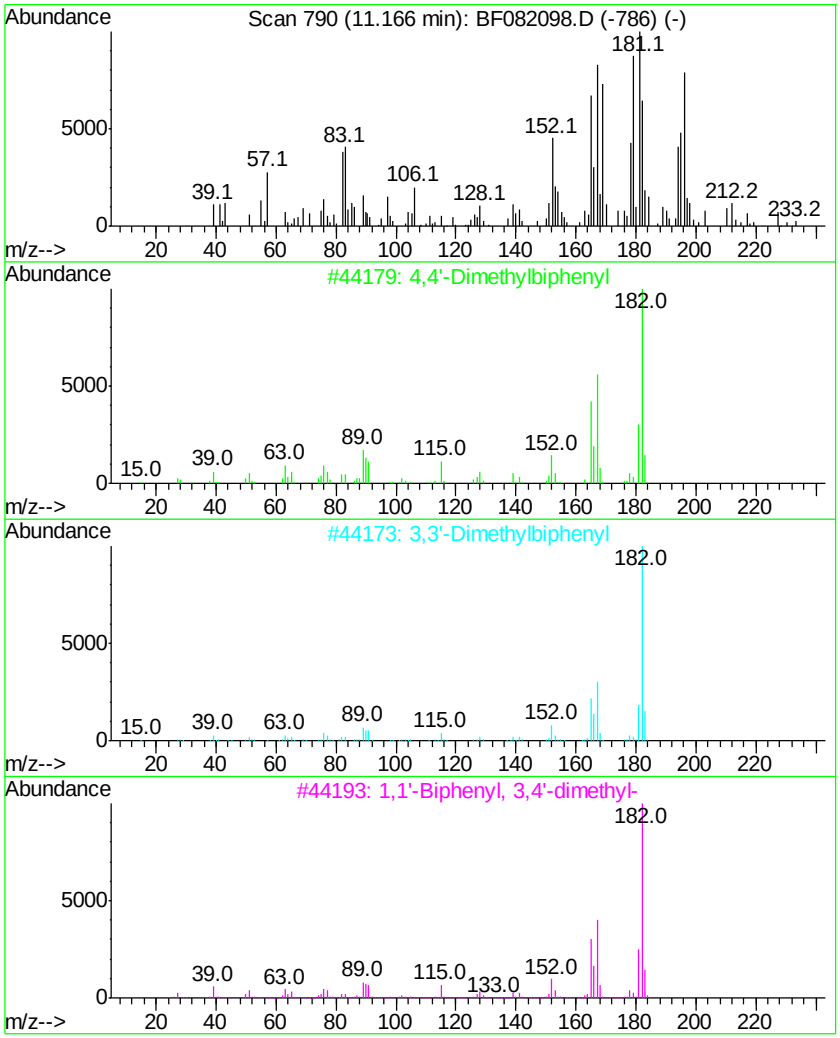
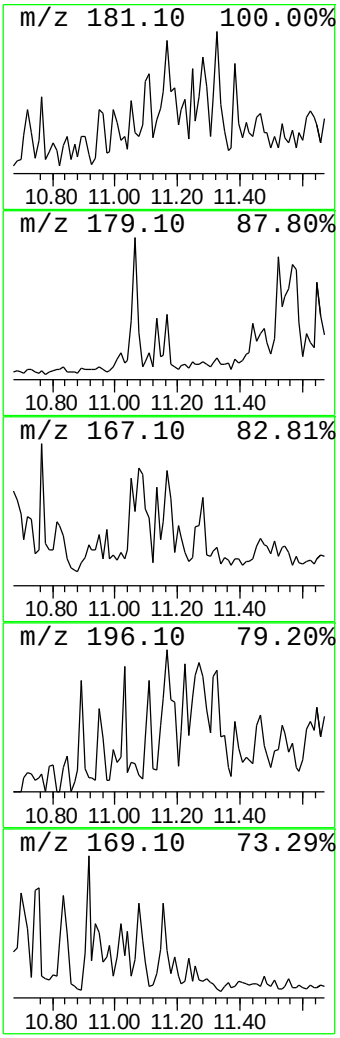
Peak Number 15 4,4'-Dimethylbiphenyl Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	6.81 ng	202820	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	66
2	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	60
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	35
4	Benzene, 3,5-dimethyl-1-(phenylm...	196	C15H16	028122-27-2	30
5	Benzene, 2,6-dimethyl-1-(phenylm...	196	C15H16	028122-29-4	25





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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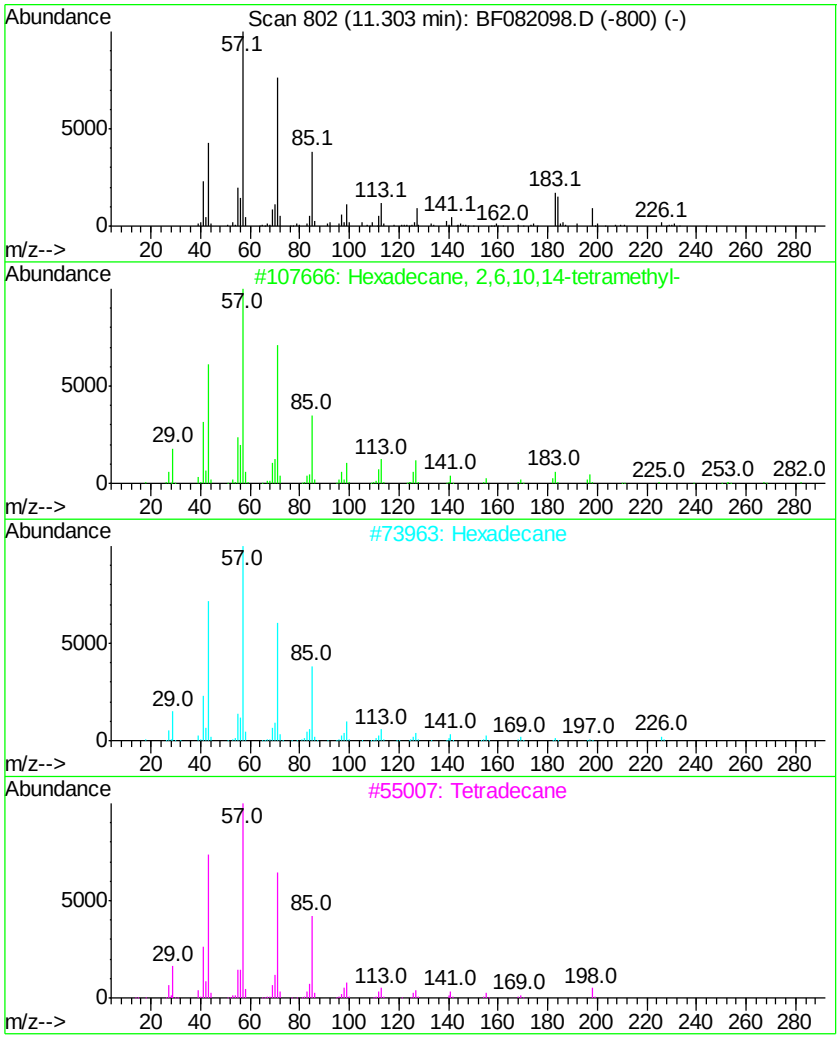
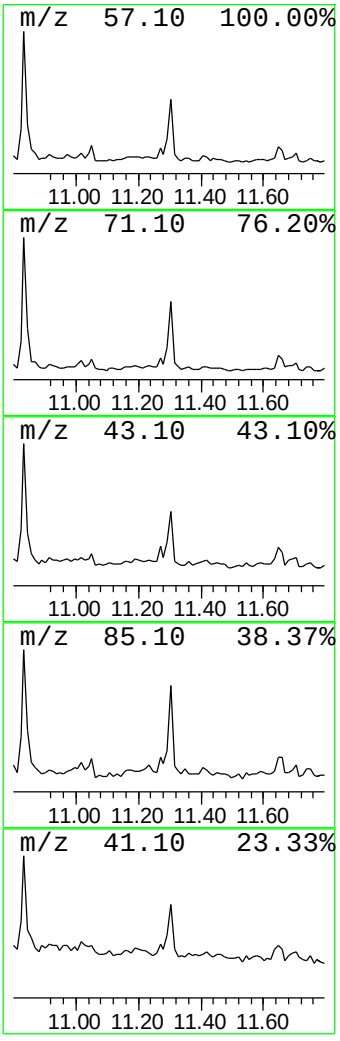
Peak Number 16 Hexadecane, 2,6,10,14-tetra... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	5.87 ng	174698	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
2	Hexadecane	226	C16H34	000544-76-3	81
3	Tetradecane	198	C14H30	000629-59-4	74
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	72
5	Tritetracontane	605	C43H88	007098-21-7	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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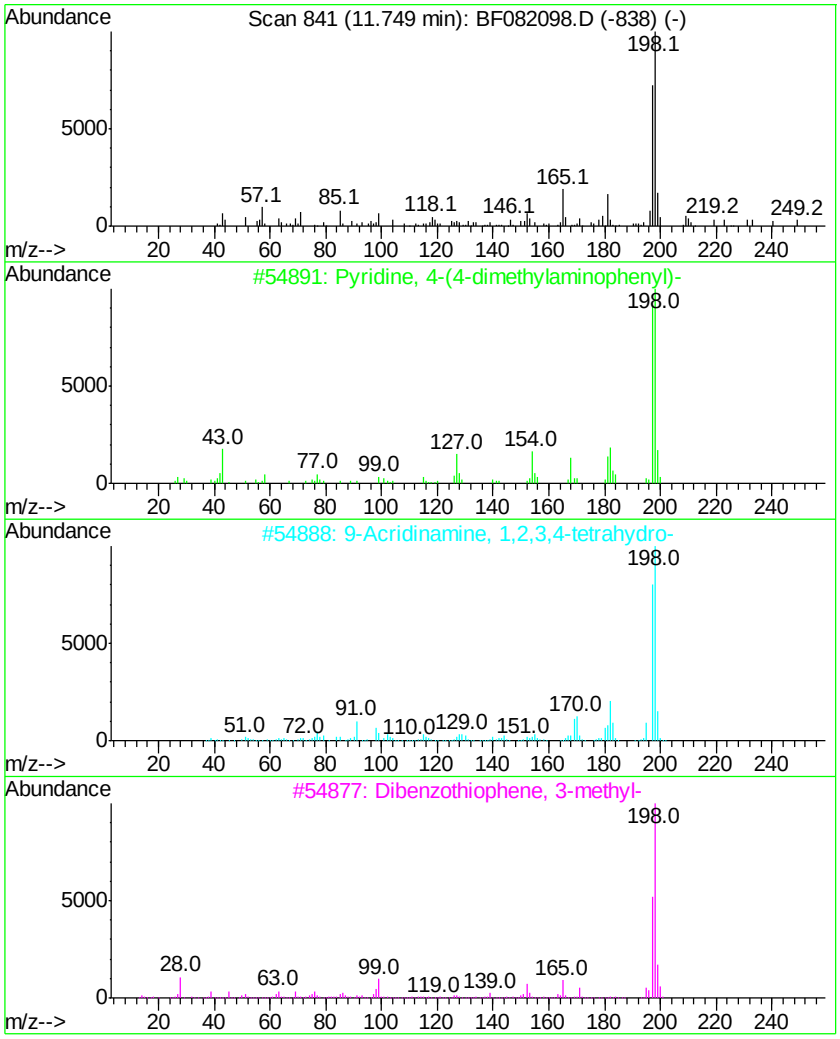
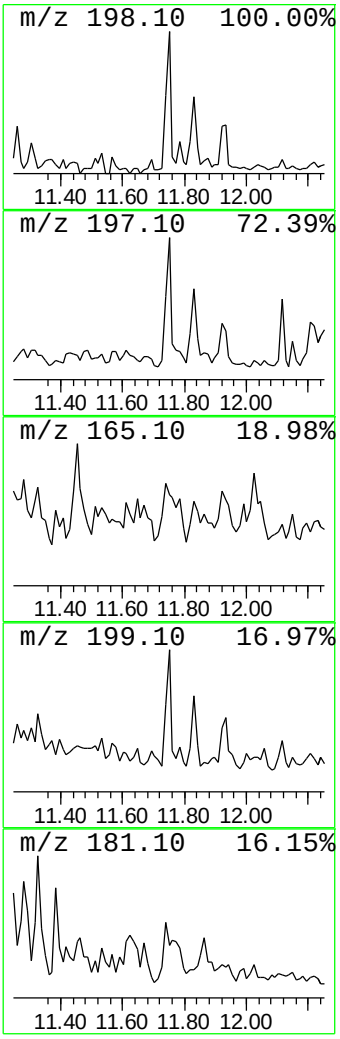
Peak Number 17 Pyridine, 4-(4-dimethylamin... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	4.92 ng	146641	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	64
2	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	64
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	58
4	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	000718-25-2	50
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	50





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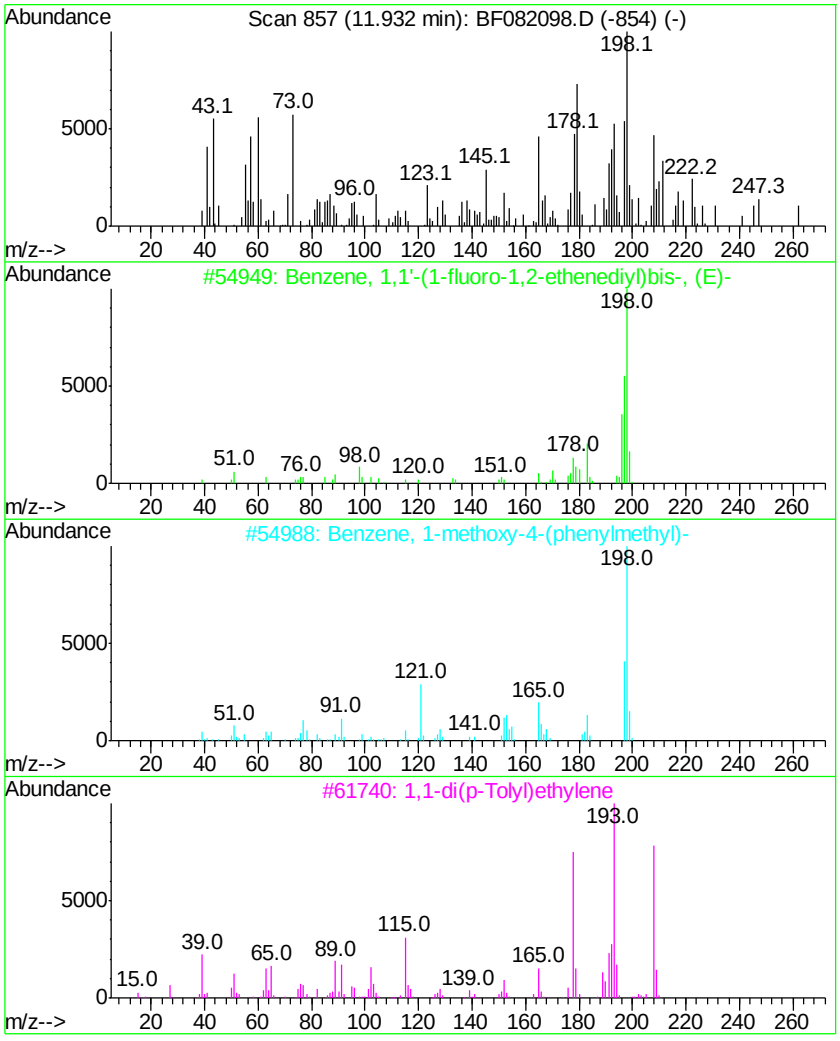
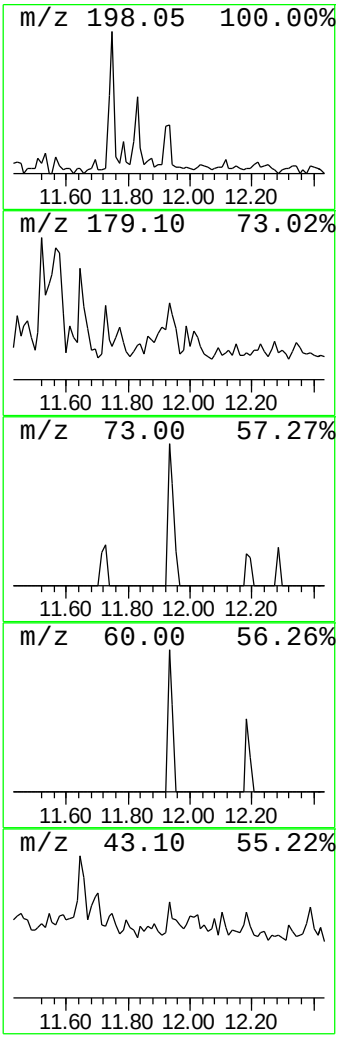
Peak Number 18 unknown11.93 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.79 ng	112967	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	25
2	Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	25
3	1,1-di(p-Tolyl)ethylene	208	C16H16	002919-20-2	25
4	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	20
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	18





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Data File : BF082098.D
Acq On : 6 Oct 2015 22:14
Operator : UM/IZ
Sample : G3926-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

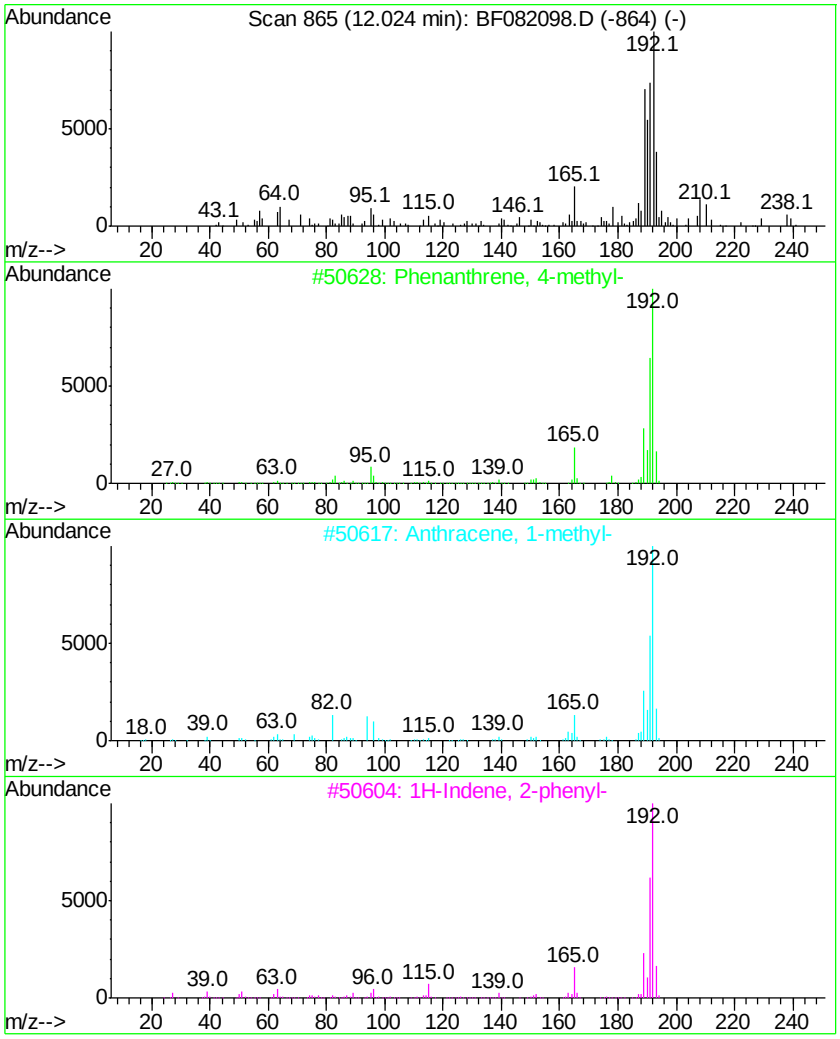
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

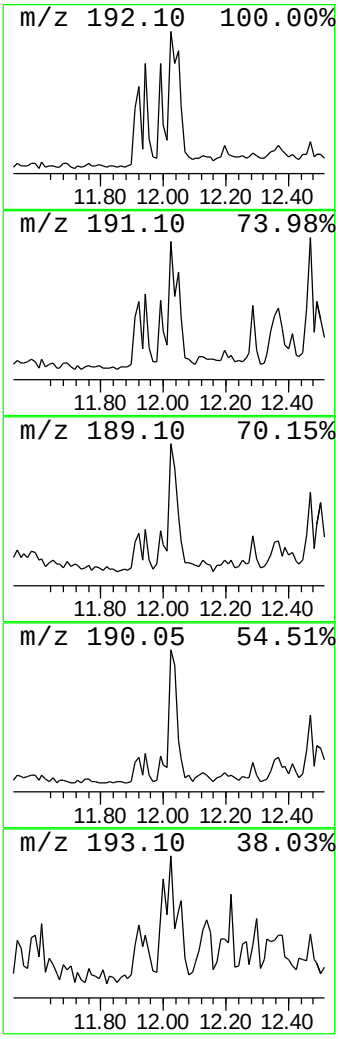
****

Peak Number 19 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.13 ng	122960	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	53
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	52
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	52
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
Data File : BF082098.D
Acq On : 6 Oct 2015 22:14
Operator : UM/IZ
Sample : G3926-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

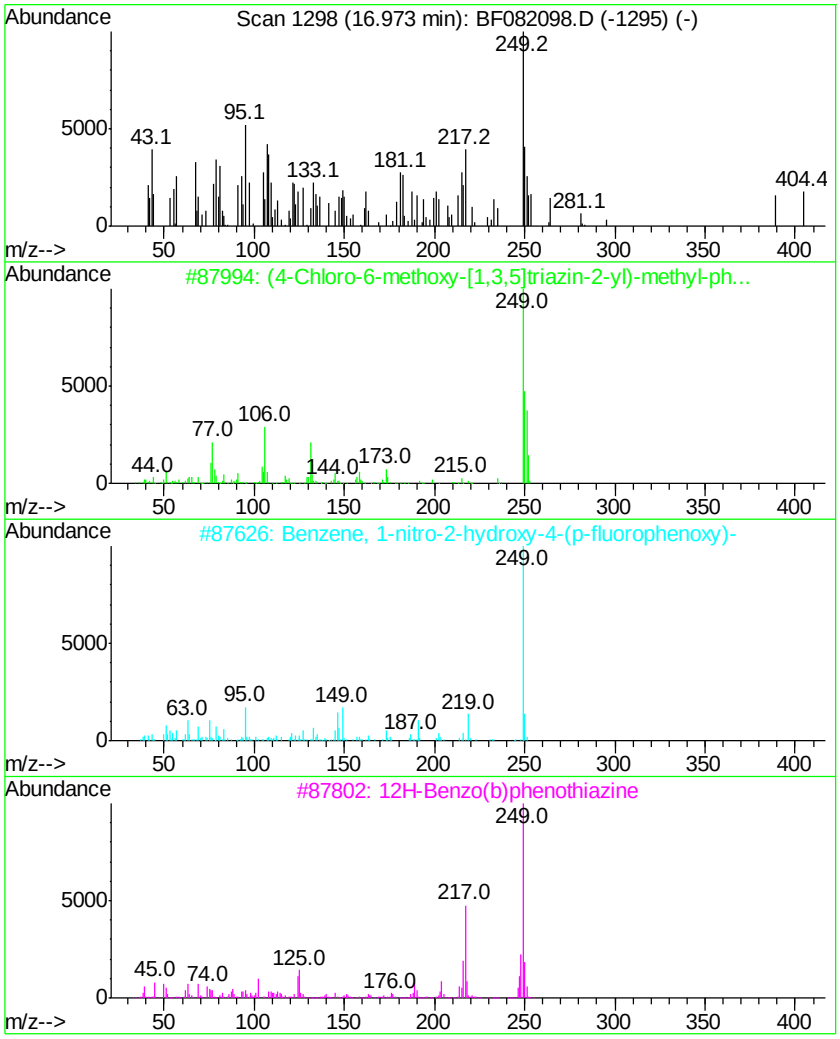
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

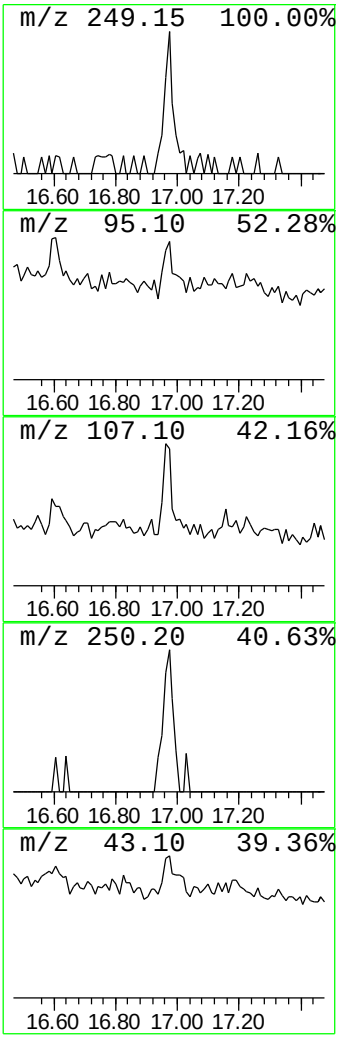
****

Peak Number 20 unknown16.97 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	4.81 ng	104770	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Chloro-6-methoxy-[1,3,5]triaz...	250	C11H11ClN4O	059881-58-2	35
2	Benzene, 1-nitro-2-hydroxy-4-(p-...	249	C12H8FNO4	189214-56-0	30
3	12H-Benzo(b)phenothiazine	249	C16H11NS	000258-08-2	23
4	7,9-Dichloro-5-methylpyrrolo[1,2...	249	C13H9Cl2N	1000251-52-9	16
5	1-Ethanone, 1-{2-[(3,3-dimethyl-...	292	C16H24N2OS	077109-20-7	16





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100615\
Data File : BF082098.D
Acq On : 6 Oct 2015 22:14
Operator : UM/IZ
Sample : G3926-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OS-SB-23(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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...	5.06	37.1	ng	812261	1	6.88	437932	20.0
unknown6.65	6.65	82.9	ng	1815670	1	6.88	437932	20.0
Undecane, 3,6-dim...	8.23	4.5	ng	169014	2	8.17	750835	20.0
Cyclooctane, methyl-	8.37	3.8	ng	144050	2	8.17	750835	20.0
unknown8.46	8.46	3.9	ng	147600	2	8.17	750835	20.0
unknown9.33	9.33	4.3	ng	170257	3	9.93	782809	20.0
unknown9.83	9.83	4.1	ng	161125	3	9.93	782809	20.0
Azulene, 4,6,8-tr...	10.17	4.7	ng	184036	3	9.93	782809	20.0
Naphthalene, 2,3,...	10.24	3.8	ng	150135	3	9.93	782809	20.0
1-(2,2-Dimethylcy...	10.33	5.3	ng	207344	3	9.93	782809	20.0
Pentadecane, 2,6,...	10.57	5.0	ng	194847	3	9.93	782809	20.0
Dodecane, 2-methy...	10.83	11.9	ng	353736	4	11.42	595640	20.0
Azulene, 7-ethyl-...	10.91	4.4	ng	132200	4	11.42	595640	20.0
4,4'-Dimethylbiph...	11.17	6.8	ng	202820	4	11.42	595640	20.0
Hexadecane, 2,6,1...	11.30	5.9	ng	174698	4	11.42	595640	20.0
Pyridine, 4-(4-di...	11.75	4.9	ng	146641	4	11.42	595640	20.0
unknown11.93	11.93	3.8	ng	112967	4	11.42	595640	20.0
Phenanthrene, 4-m...	12.02	4.1	ng	122960	4	11.42	595640	20.0
unknown16.97	16.97	4.8	ng	104770	6	15.51	435524	20.0