LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

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-BF102615.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	4.880	236	240	248	rVV	843353	1440704	19.02%	1.834%
2	5.326	276	279	291	rVB	1412847	1837669	24.27%	2.339%
3	6.126	345	349	351	rBV	72701	82672	1.09%	0.105%
4	6.377	369	371	374	rBV	1230060	1768708	23.36%	2.251%
5	6.492	378	381	383	rVB	1473582	1954387	25.81%	2.488%
6	6.709	398	400	403	rBV	563378	535956	7.08%	0.682%
7	6.777	405	406	409	rVB	126258	171652	2.27%	0.219%
8	6.869	411	414	416	rBV	1460569	1714939	22.65%	2.183%
9	7.166	434	440	447	rVB	330398	470561	6.21%	0.599%
10	7.292	448	451	453	rVV	1171048	1405810	18.56%	1.789%
11	7.440	460	464	468	rBV	61599	128180	1.69%	0.163%
12	7.532	469	472	474	rVV	732135	736413	9.72%	0.937%
13	7.566	474	475	478	rVB	75555	95077	1.26%	0.121%
14	7.623	478	480	482	rBV	278474	267638	3.53%	0.341%
15	7.692	483	486	487	rBV	62100	82636	1.09%	0.105%
16	7.749	487	491	492	rVV2	157174	290191	3.83%	0.369%
17	7.806	492	496	499	rVV4	155546	442973	5.85%	0.564%
18	7.852	499	500	503	rVV	325099	273113	3.61%	0.348%
19	7.909	503	505	509	rVV	1389670	1414174	18.67%	1.800%
20	8.000	509	513	514	rVV2	719018	972961	12.85%	1.239%
21	8.035	514	516	517	rVV	1578783	1475158	19.48%	1.878%
22	8.058	517	518	521	rVB	224919	199058	2.63%	0.253%
23	8.138	523	525	531	rBV	524244	628227	8.30%	0.800%
24	8.240	531	534	536	rBV	208980	212204	2.80%	0.270%
25	8.412	545	549	554	rBV3	181868	340112	4.49%	0.433%
26	8.778	575	581	583	rBV	3059066	4530257	59.82%	5.767%
27	8.903	587	592	594	rBV	1408432	1918325	25.33%	2.442%
28	8.938	594	595	599	rVB4	67319	100335	1.32%	0.128%
29	9.040	602	604	605	rBV	202183	240906	3.18%	0.307%
30	9.086	605	608	610	rVB	1633256	2358197	31.14%	3.002%
31	9.269	615	624	626	rBV	3011105	5850539	77.26%	7.447%
32	9.429	632	638	641	rBV2	378159	675525	8.92%	0.860%
33	9.486	641	643	646	rVV	219501	257545	3.40%	0.328%
34	9.532	646	647	651	rVB2	67549	102011	1.35%	0.130%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

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-BF102615.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.601	651	653	655	rVB	112900	111022	1.47%	0.141%
36	9.646	655	657	659	rBV	554824	555026	7.33%	0.707%
37	9.703	659	662	665	rVB	280172	338095	4.46%	0.430%
38	9.749	665	666	672	rVB2	501967	823308	10.87%	1.048%
39	9.841	672	674	676	rBV2	116111	161977	2.14%	0.206%
40	9.886	676	678	680	rBV3	74337	121401	1.60%	0.155%
41	9.989	686	687	689	rBV	99128	101696	1.34%	0.129%
42	10.115	689	698	702	rVV2	1862562	7572754	100.00%	9.640%
43	10.195	702	705	707	rVV	1274630	1502925	19.85%	1.913%
44	10.229	707	708	711	rVB2	79882	100975	1.33%	0.129%
45	10.389	717	722	724	rBV3	308239	745668	9.85%	0.949%
46	10.435	724	726	729	rVV	236777	295011	3.90%	0.376%
47	10.492	729	731	734	rVV	586282	932405	12.31%	1.187%
48	10.549	734	736	739	rVB2	1117336	1247658	16.48%	1.588%
49	10.675	744	747	753	rVB	690010	1003369	13.25%	1.277%
50	10.869	760	764	766	rBV	198872	307514	4.06%	0.391%
51	10.926	766	769	772	rBV	1376452	1796910	23.73%	2.287%
52	11.098	780	784	786	rVB2	67030	110147	1.45%	0.140%
53	11.189	789	792	794	rBV	251535	265451	3.51%	0.338%
54	11.235	794	796	798	rBV	495929	705971	9.32%	0.899%
55	11.292	798	801	803	rVV	435212	730526	9.65%	0.930%
56	11.326	803	804	805	rVV	124664	96363	1.27%	0.123%
57	11.406	809	811	815	rVB2	58141	85491	1.13%	0.109%
58	11.578	824	826	830	rBV2	608431	934548	12.34%	1.190%
59	11.658	830	833	835	rBV2	420421	673855	8.90%	0.858%
60	11.726	835	839	842	rVB2	206226	305622	4.04%	0.389%
61	11.806	842	846	849	rBV	1077666	2221092	29.33%	2.827%
62	11.886	849	853	855	rVB	1171769	1900826	25.10%	2.420%
63	12.001	860	863	864	rBV	255777	319767	4.22%	0.407%
64	12.081	868	870	871	rBV	482839	616484	8.14%	0.785%
65	12.195	877	880	881	rBV2	53994	111723	1.48%	0.142%
66	12.252	881	885	888	rBV	1562454	2731672	36.07%	3.477%
67	12.492	902	906	909	rVV	451886	693021	9.15%	0.882%
68	12.572	911	913	915	rBV	650925	700891	9.26%	0.892%
69	12.824	933	935	938	rBV	1789501	1802215	23.80%	2.294%
70	12.995	948	950	952	rBV2	63899	84401	1.11%	0.107%
71	13.132	960	962	964	rBV	82193	124409	1.64%	0.158%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

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-BF102615.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.235	967	971	973	rBV2	84555	164359	2.17%	0.209%
73	13.281	973	975	976	rBV2	87059	118597	1.57%	0.151%
74	13.578	999	1001	1003	rBV2	81783	120130	1.59%	0.153%
75	13.692	1008	1011	1015	rVV2	621265	1228282	16.22%	1.564%
76	13.761	1015	1017	1020	rVB3	165318	265059	3.50%	0.337%
77	13.887	1024	1028	1030	rBV2	477485	998558	13.19%	1.271%
78	14.127	1046	1049	1051	rBV2	297754	370690	4.90%	0.472%
79	14.184	1051	1054	1055	rBV	551979	628253	8.30%	0.800%
80	14.355	1066	1069	1071	rBV	491786	573870	7.58%	0.730%
81	14.584	1087	1089	1097	rVB2	147168	355151	4.69%	0.452%
82	14.732	1100	1102	1105	rVB2	322960	583395	7.70%	0.743%
83	15.315	1150	1153	1157	rBV	308194	460192	6.08%	0.586%
84	15.395	1157	1160	1165	rVB3	205866	474683	6.27%	0.604%
85	15.487	1165	1168	1172	rBV3	167538	248006	3.27%	0.316%
86	15.613	1176	1179	1182	rVB	411227	628245	8.30%	0.800%
87	15.693	1183	1186	1188	rBV2	70425	147028	1.94%	0.187%
88	15.738	1188	1190	1195	rVV	104746	194473	2.57%	0.248%
89	15.841	1196	1199	1202	rVV	269482	447517	5.91%	0.570%
90	15.933	1205	1207	1212	rVB4	80341	157108	2.07%	0.200%
91	16.173	1225	1228	1232	rVB	103250	199439	2.63%	0.254%
92	16.630	1264	1268	1272	rBV	187178	383856	5.07%	0.489%
93	17.053	1301	1305	1308	rBV2	131546	295626	3.90%	0.376%
94	17.133	1308	1312	1316	rBV	326369	804400	10.62%	1.024%
95	17.647	1353	1357	1363	rVV2	96799	280757	3.71%	0.357%
96	17.773	1364	1368	1374	rVB	211297	524240	6.92%	0.667%

Sum of corrected areas: 78558916

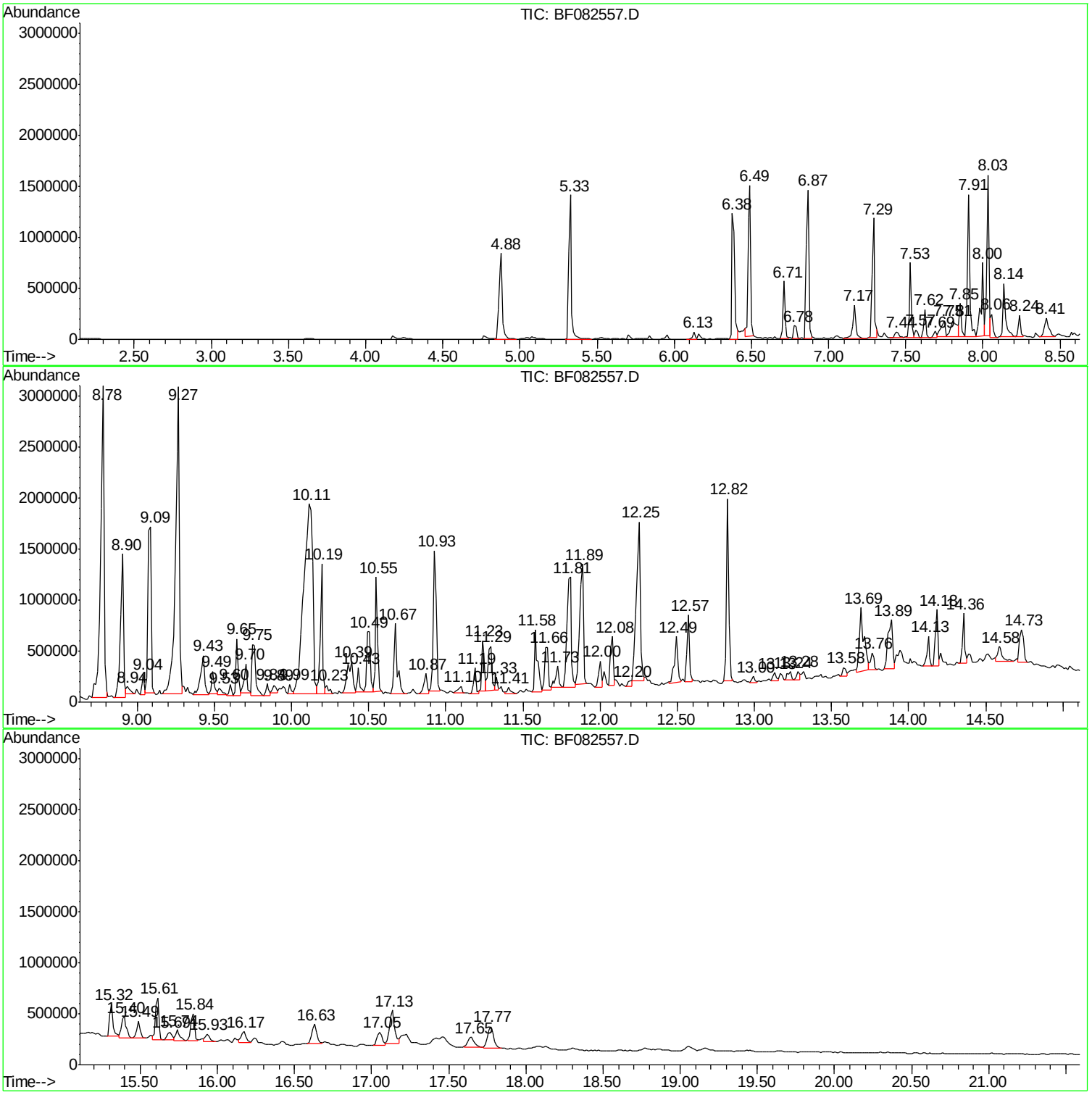
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.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\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

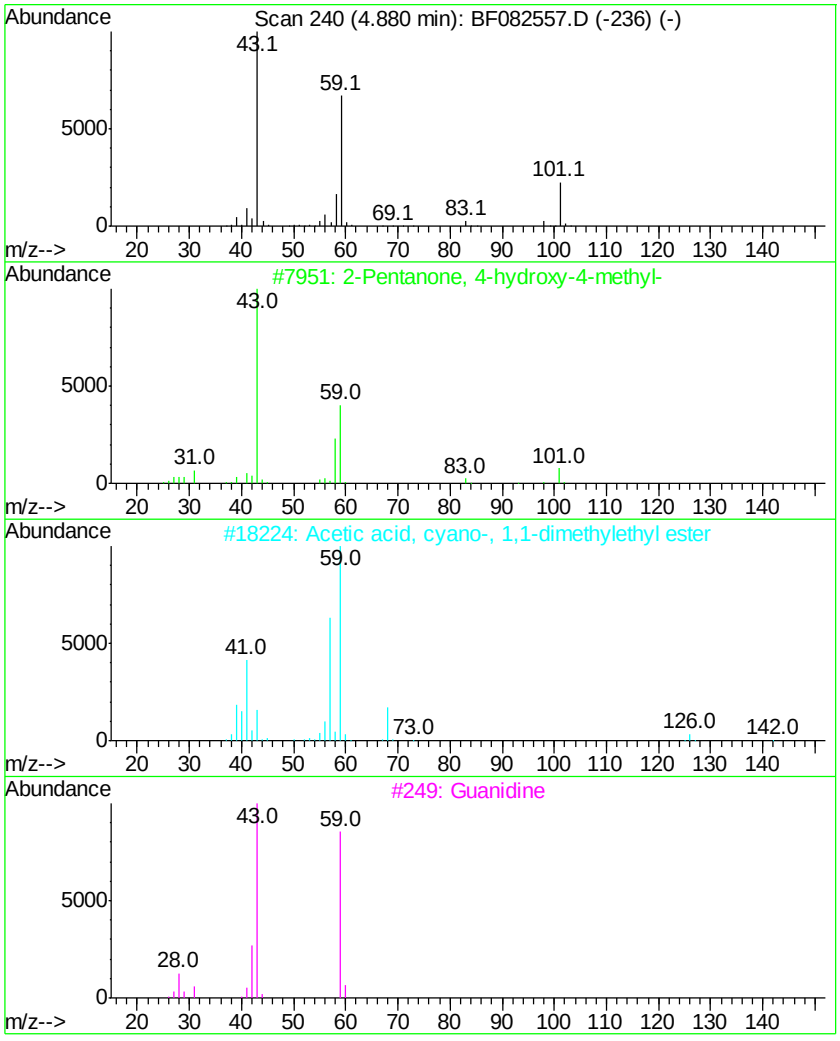
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

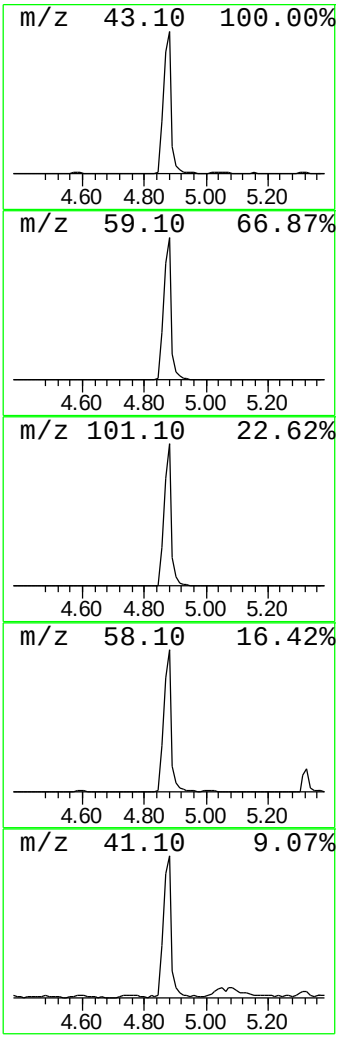
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.88	53.76 ng	1440700	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Guanidine	59	CH5N3	000113-00-8	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

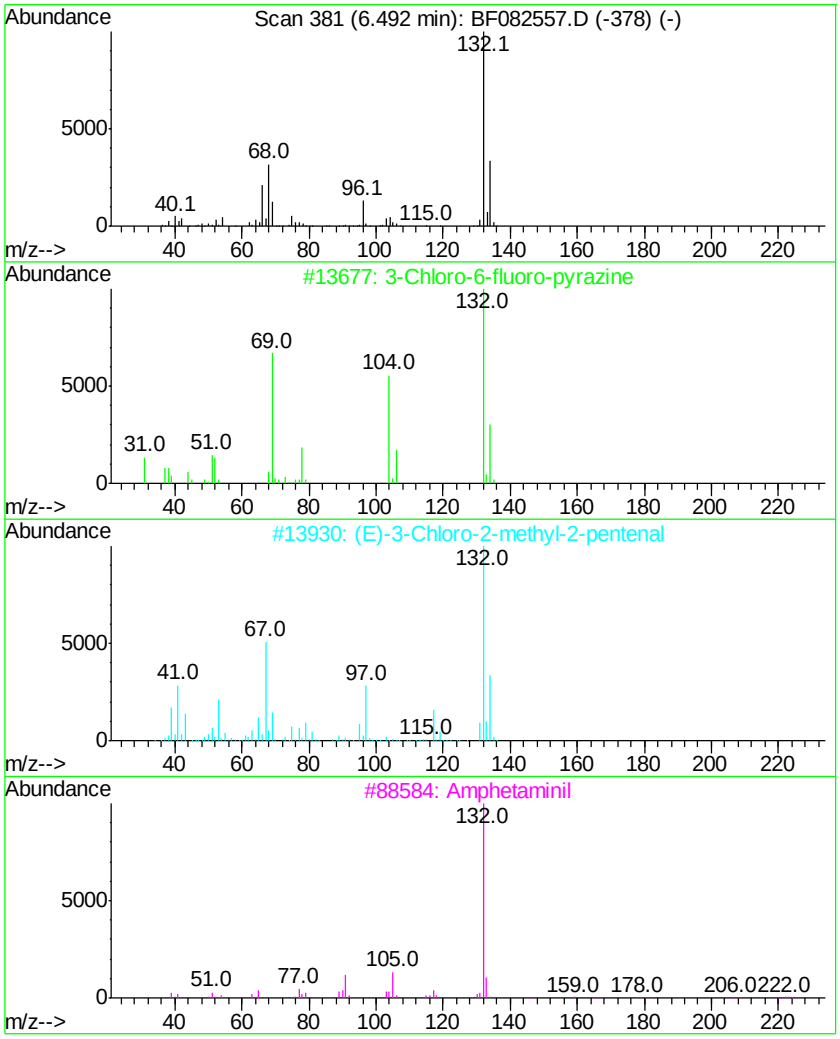
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

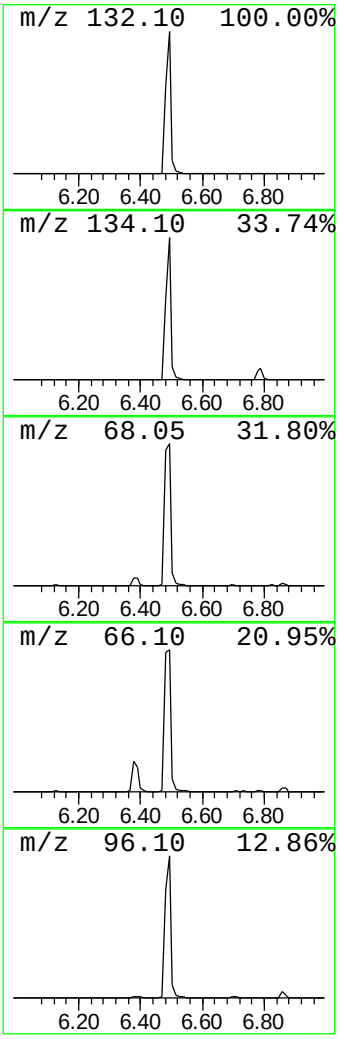
****

Peak Number 2 unknown6.49 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	72.93 ng	1954390	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.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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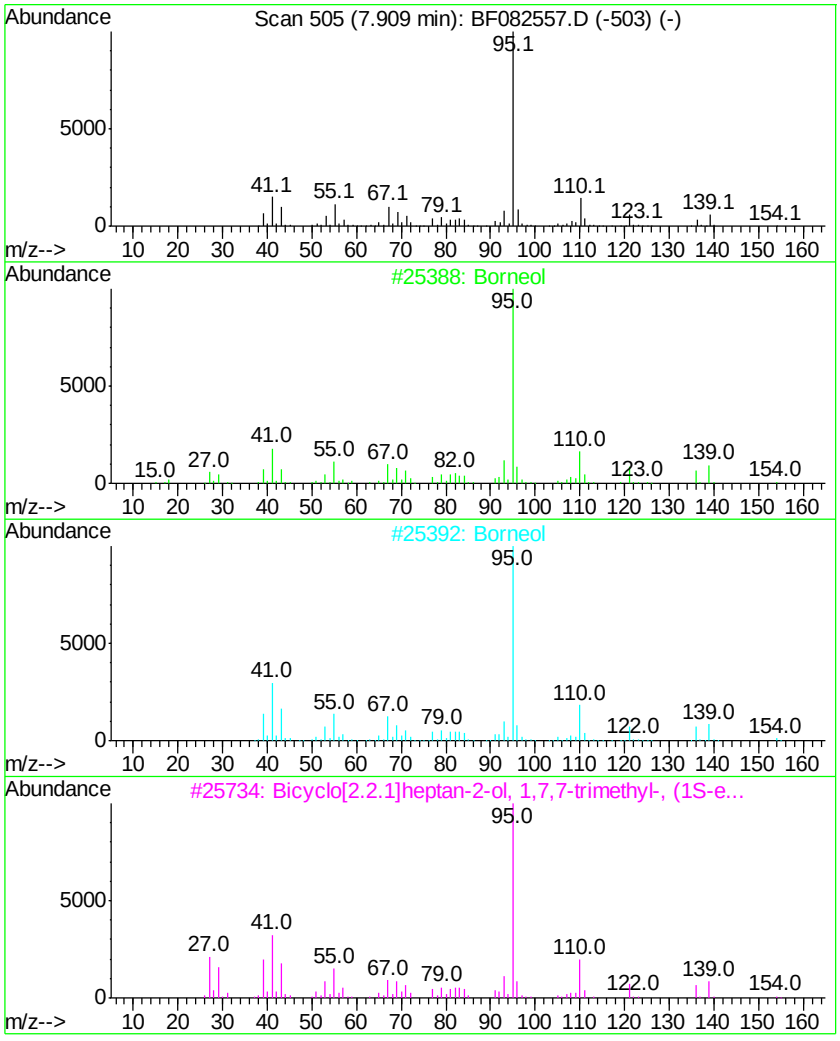
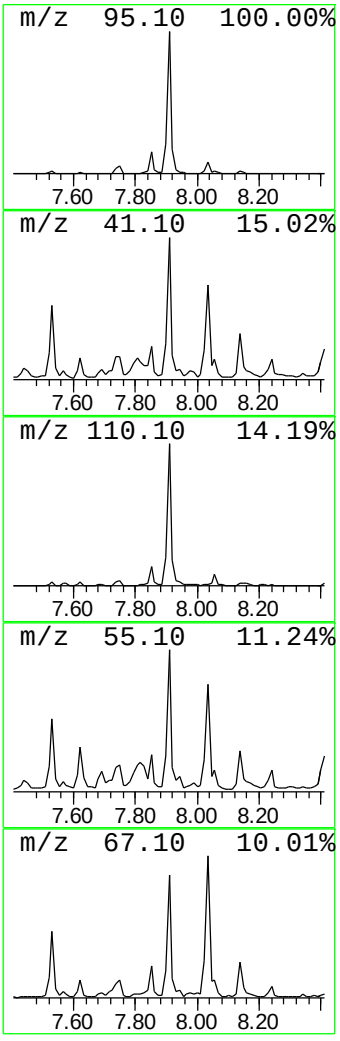
Peak Number 4 Borneol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	29.07 ng	1414170	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Borneol	154	C10H18O	000507-70-0	91
2	Borneol	154	C10H18O	010385-78-1	91
3	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	154	C10H18O	000464-45-9	83
4	2-Amino-4-methylbut-2-enenitrile	110	C6H10N2	1000197-39-9	72
5	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

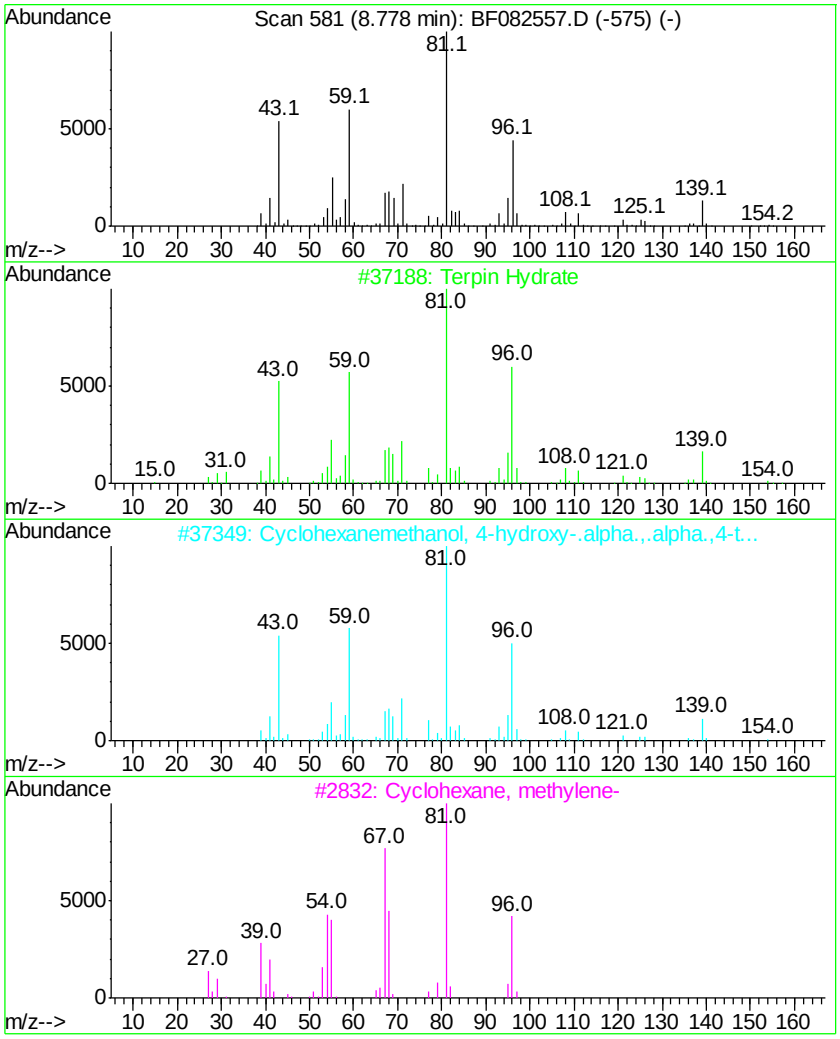
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

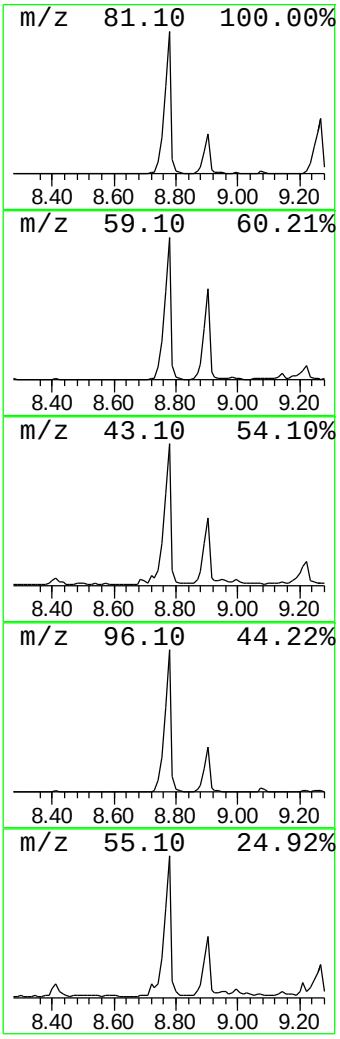
****

Peak Number 5 Terpin Hydrate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	93.12 ng	4530260	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Terpin Hydrate	172	C10H20O2	002451-01-6	91
2	Cyclohexanemethanol, 4-hydroxy-....	172	C10H20O2	000080-53-5	91
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	47
4	2,4-Hexadiene, 3-methyl-	96	C7H12	028823-42-9	43
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

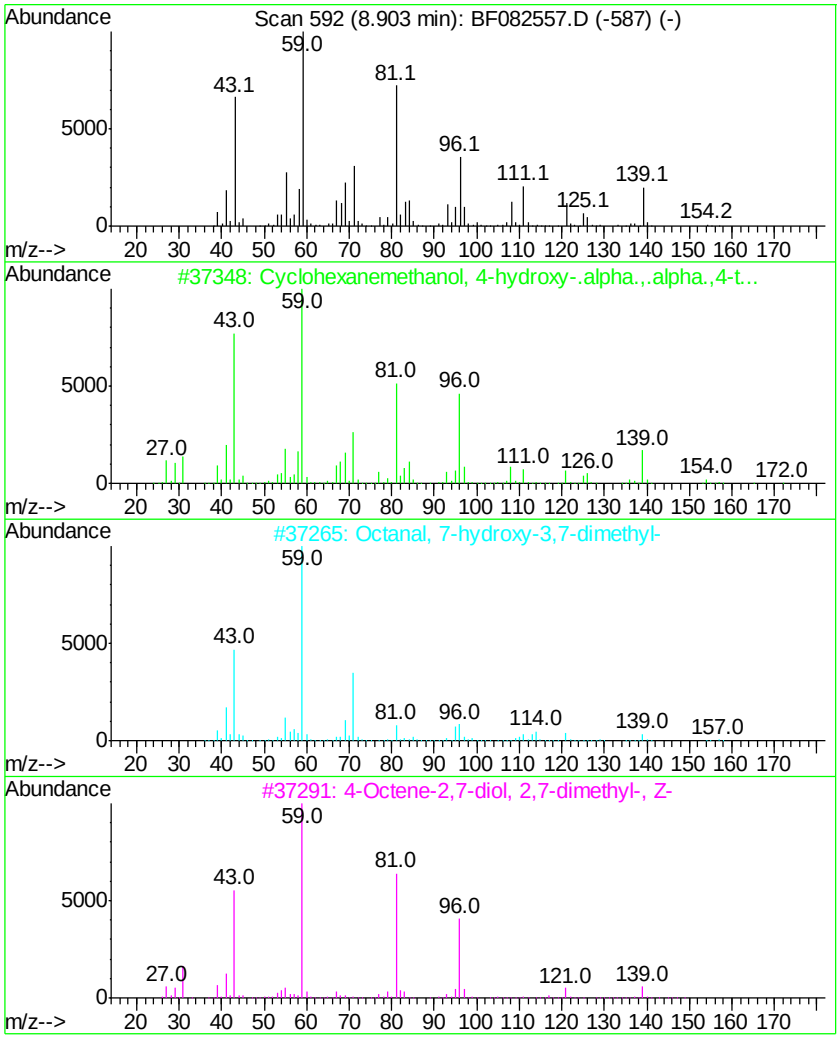
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

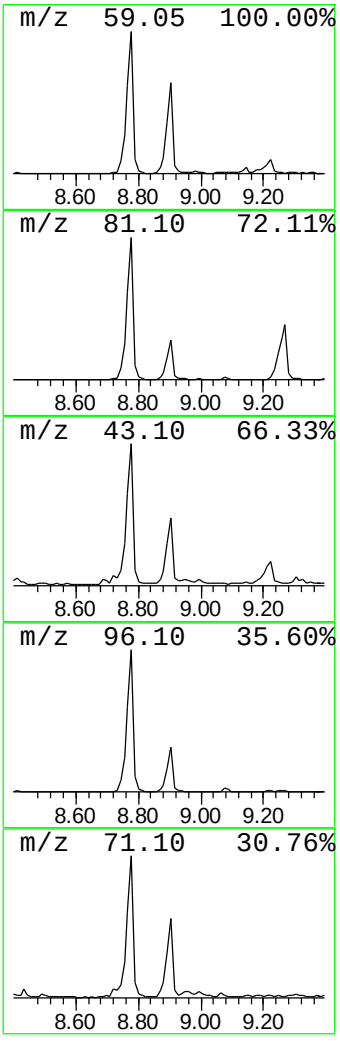
****

Peak Number 6 Cyclohexanemethanol, 4-hydr... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	46.60 ng	1918330	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, 4-hydroxy-....	172	C10H20O2	000080-53-5	72
2	Octanal, 7-hydroxy-3,7-dimethyl-	172	C10H20O2	000107-75-5	53
3	4-Octene-2,7-diol, 2,7-dimethyl-...	172	C10H20O2	1000151-60-8	43
4	3-Ethyl-2-methyl-2-heptanol	158	C10H22O	019780-59-7	35
5	2-Cyclobutyl-2-propanol	114	C7H14O	059383-67-4	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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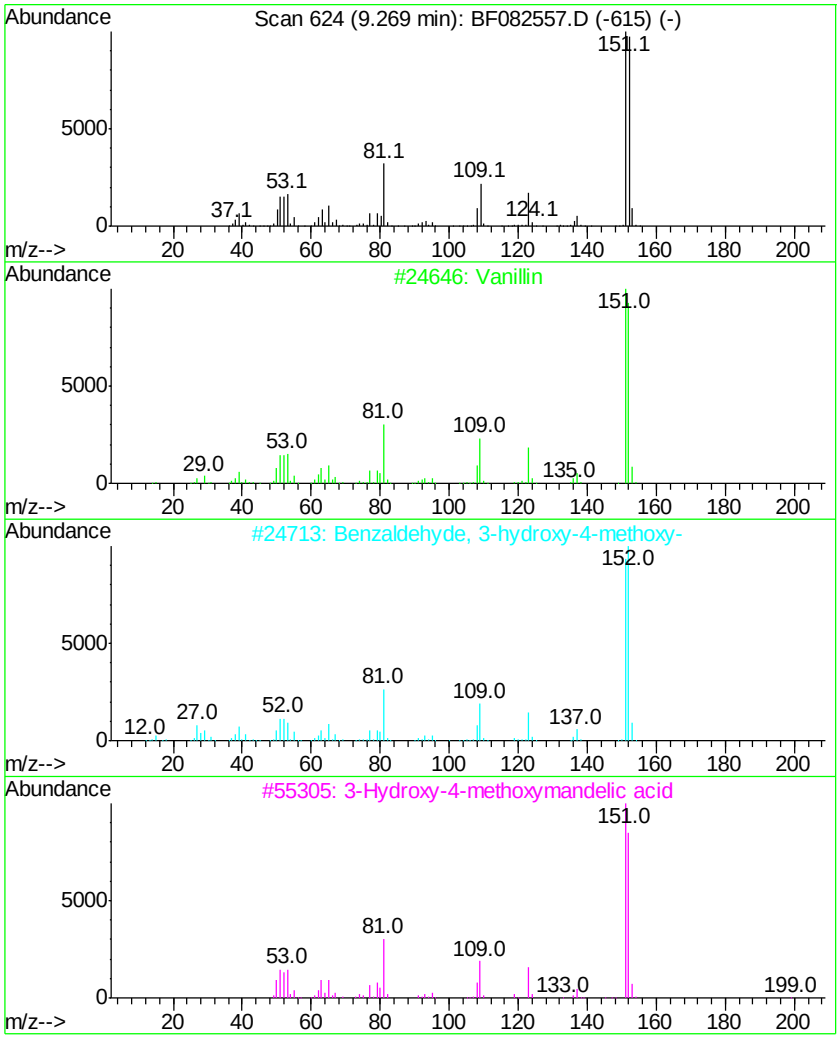
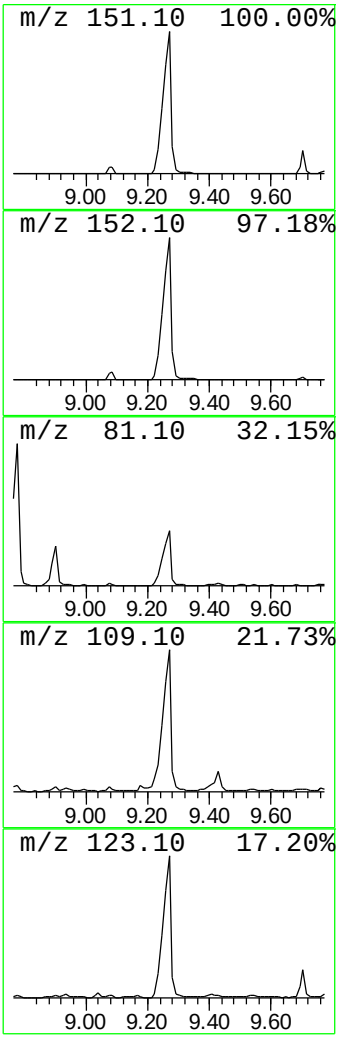
Peak Number 7 Vanillin Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	142.12 ng	5850540	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vanillin	152	C8H8O3	000121-33-5	97
2	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	93
3	3-Hydroxy-4-methoxymandelic acid	198	C9H10O5	003695-24-7	91
4	Benzaldehyde, 3-(chloroacetoxy)-...	228	C10H9ClO4	066267-38-7	78
5	4-Hydroxy-2-methoxybenaldehyde	152	C8H8O3	018278-34-7	72





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Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.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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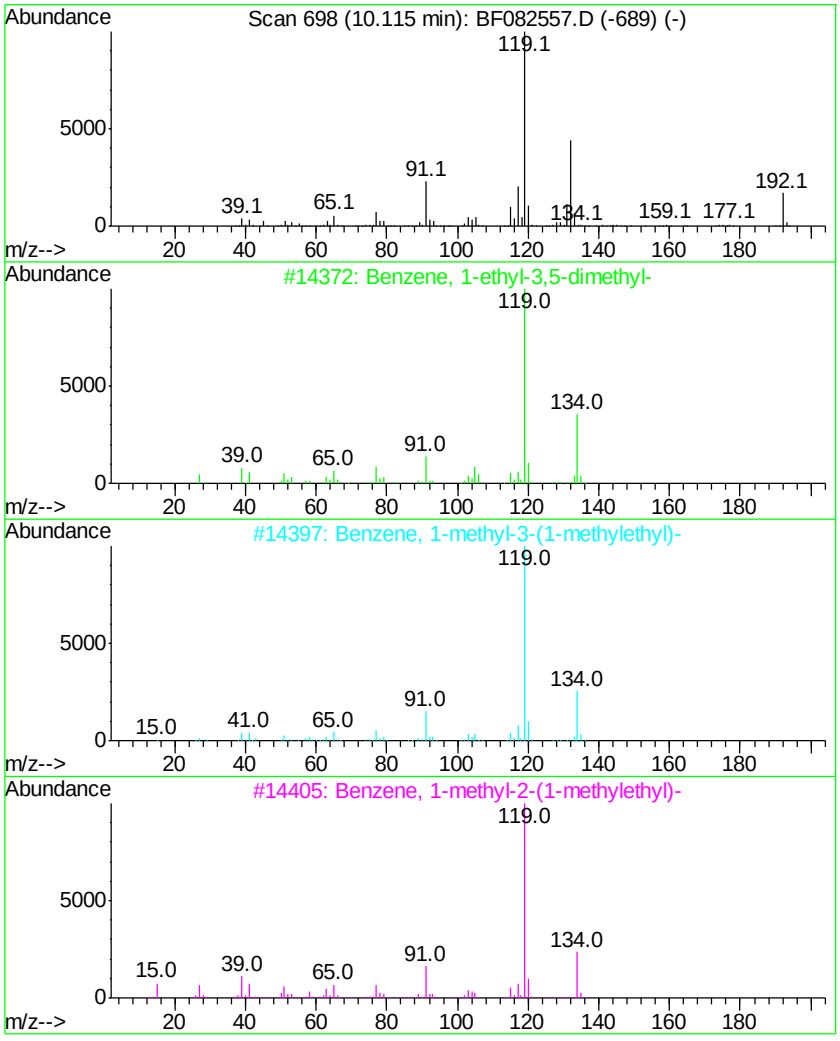
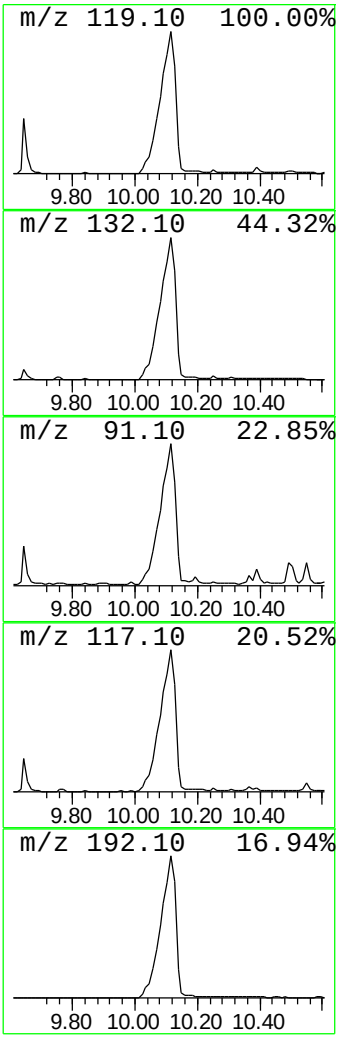
Peak Number 8 unknown10.11 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.11	183.96 ng	7572750	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	47
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	46
4	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	46
5	2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	43





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Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

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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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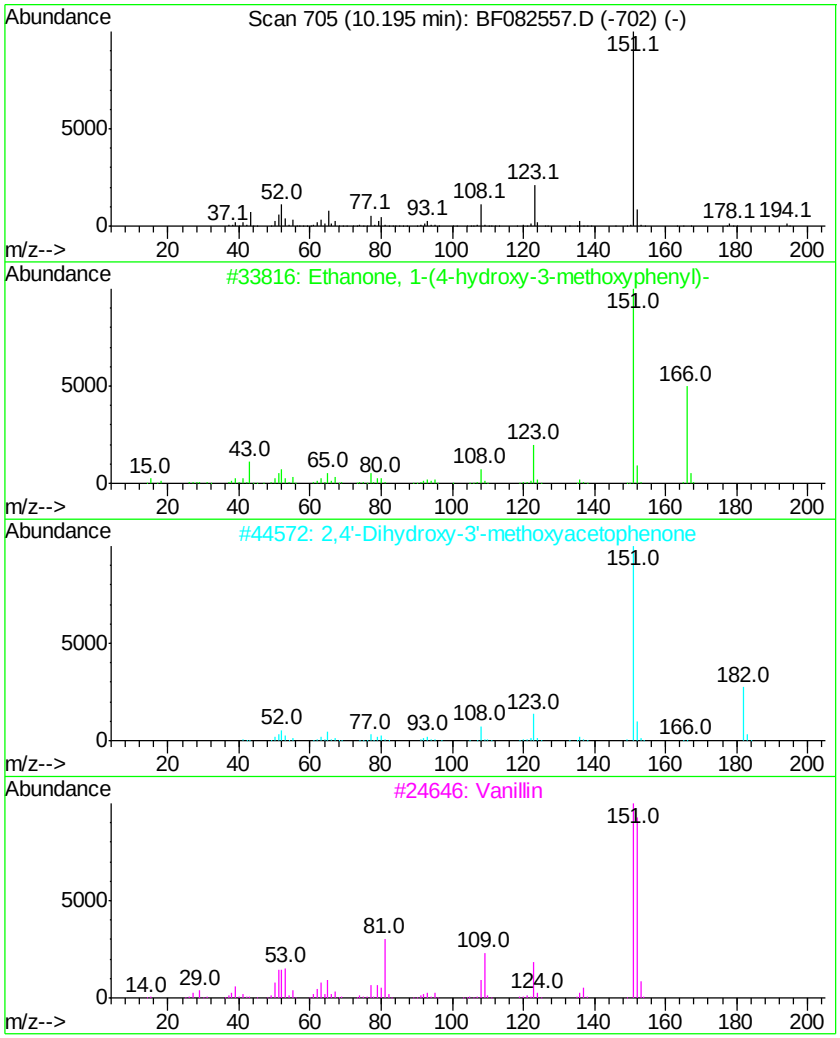
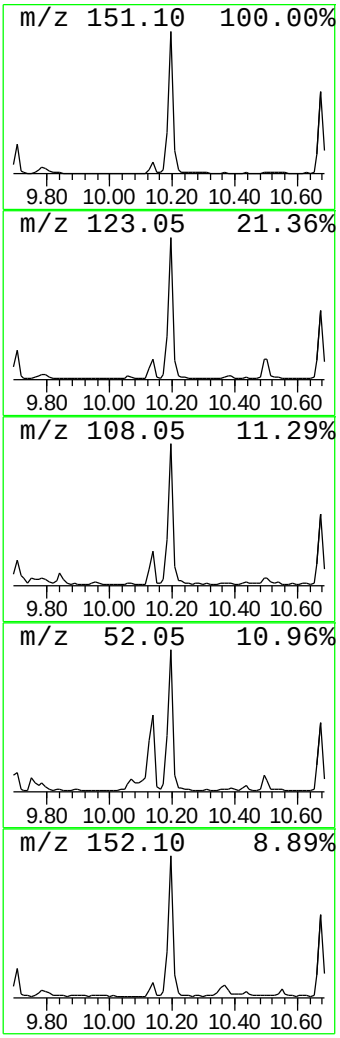
Peak Number 9 Ethanone, 1-(4-hydroxy-3-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.19	36.51 ng	1502930	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(4-hydroxy-3-methoxy...	166	C9H10O3	000498-02-2	78
2	2,4'-Dihydroxy-3'-methoxyacetoph...	182	C9H10O4	018256-48-9	72
3	Vanillin	152	C8H8O3	000121-33-5	64
4	Ethanone, 1-(3-hydroxy-4-methoxy...	166	C9H10O3	006100-74-9	56
5	1,4 Benzodioxan-6-amine	151	C8H9NO2	022013-33-8	53





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Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

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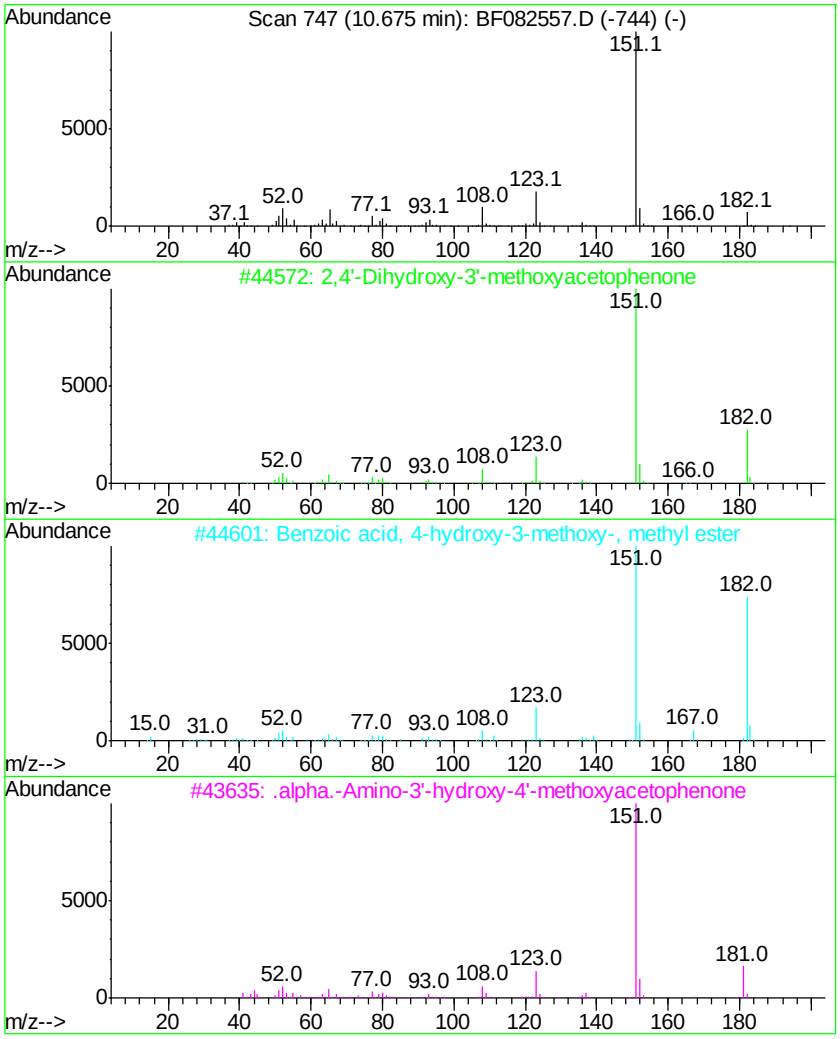
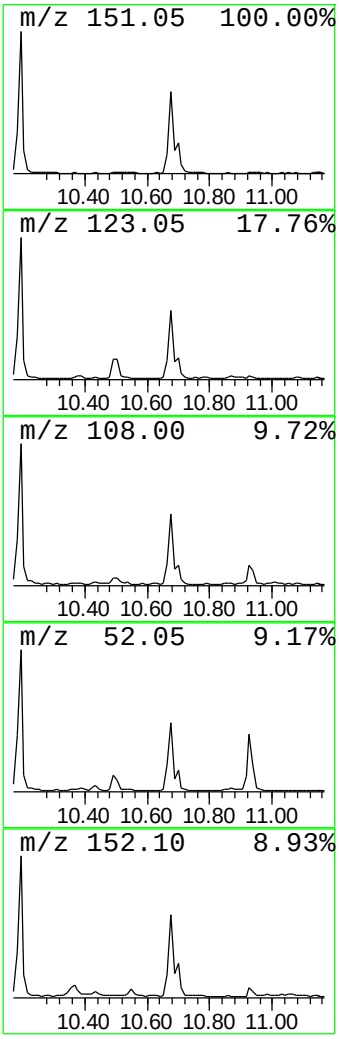
Peak Number 10 2,4'-Dihydroxy-3'-methoxyac... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	28.43 ng	1003370	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4'-Dihydroxy-3'-methoxyacetoph...	182	C9H10O4	018256-48-9	91
2	Benzoic acid, 4-hydroxy-3-methox...	182	C9H10O4	003943-74-6	91
3	.alpha.-Amino-3'-hydroxy-4'-meth...	181	C9H11NO3	090765-44-9	83
4	Ethanone, 1-(3-hydroxy-4-methoxy...	166	C9H10O3	006100-74-9	72
5	1,4 Benzodioxan-6-amine	151	C8H9NO2	022013-33-8	59





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Instrument : BNA_F
ClientSampleId : WOOD-2

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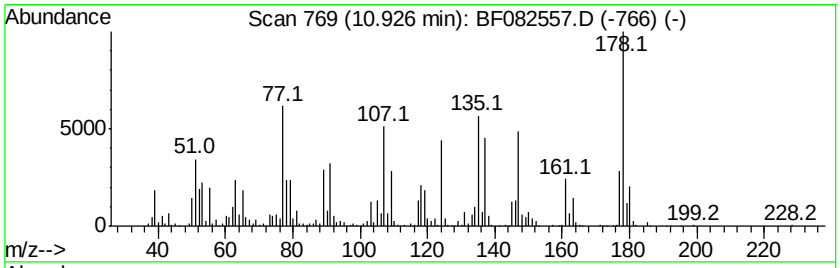
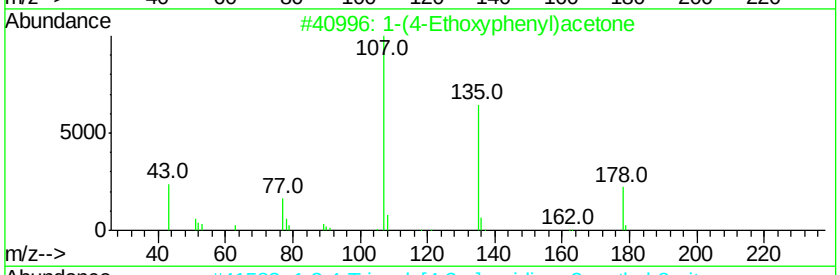
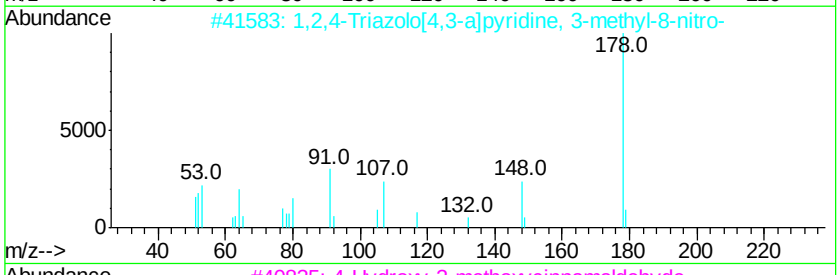
Peak Number 11 unknown10.93 Concentration Rank 10

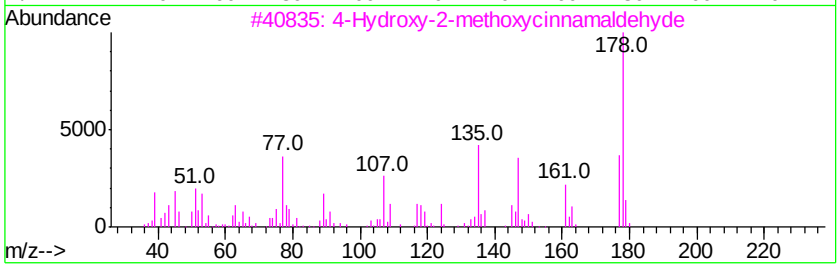
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	50.91 ng	1796910	Phenanthrene-d10	11.23

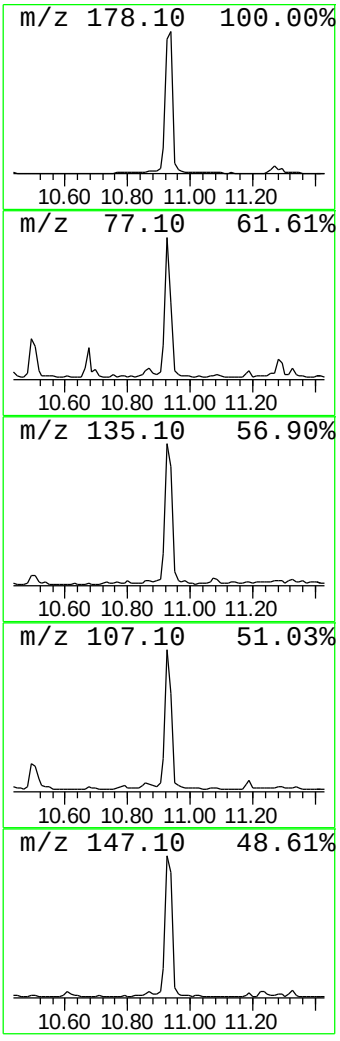
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Ethoxyphenyl)acetone	178	C11H14O2	144818-72-4	45
2	1,2,4-Triazolo[4,3-a]pyridine, 3...	178	C7H6N4O2	031040-10-5	38
3	4-Hydroxy-2-methoxycinnamaldehyde	178	C10H10O3	127321-19-1	25
4	Benzene, 1,2-dimethoxy-4-(2-prop...	178	C11H14O2	000093-15-2	22
5	3-Methoxycinnamic acid	178	C10H10O3	006099-04-3	18











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Sample : G4157-04
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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.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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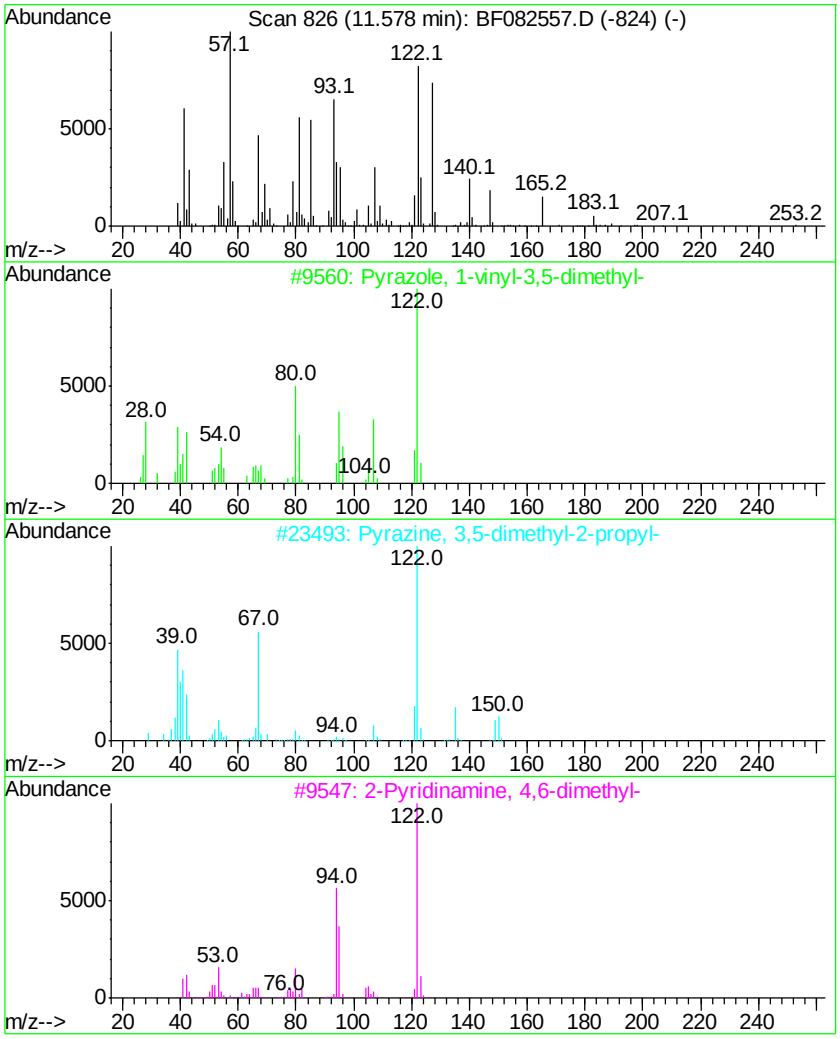
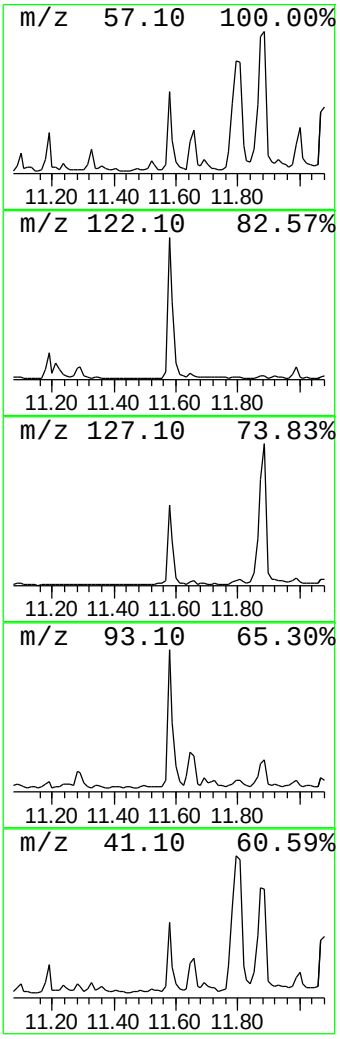
Peak Number 12 unknown11.58 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	26.48 ng	934548	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazole, 1-vinyl-3,5-dimethyl-	122	C7H10N2	015967-75-6	25
2	Pyrazine, 3,5-dimethyl-2-propyl-	150	C9H14N2	032350-16-6	22
3	2-Pyridinamine, 4,6-dimethyl-	122	C7H10N2	005407-87-4	18
4	Bicyclo[3.3.1]nonan-2-ol, exo-	140	C9H16O	010036-15-4	16
5	3,5-Heptanedione, 4-bromo-2,2,6,...	262	C11H19BrO2	039516-78-4	14





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Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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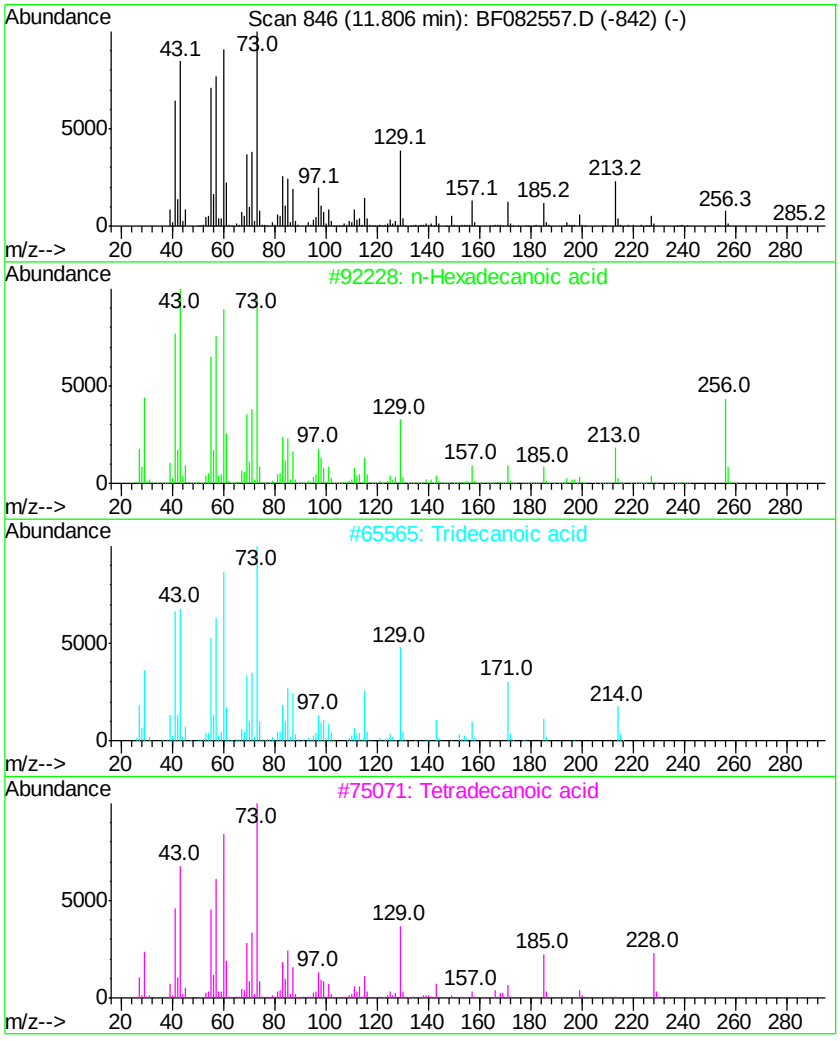
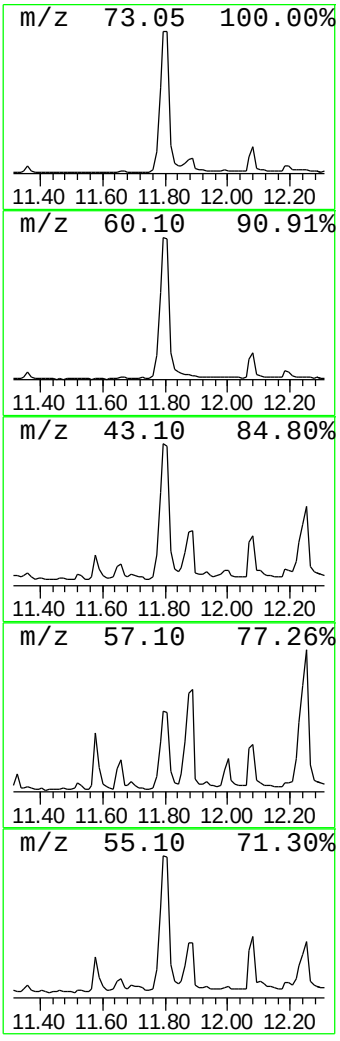
Peak Number 13 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	62.92 ng	2221090	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
4	n-Decanoic acid	172	C10H20O2	000334-48-5	76
5	Undecanoic acid	186	C11H22O2	000112-37-8	68





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Sample : G4157-04
Misc :
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Instrument : BNA_F
ClientSampleId : WOOD-2

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TIC Library : C:\DATABASE\NIST02.L
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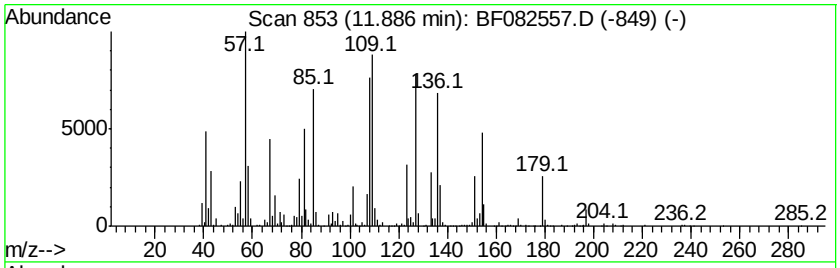
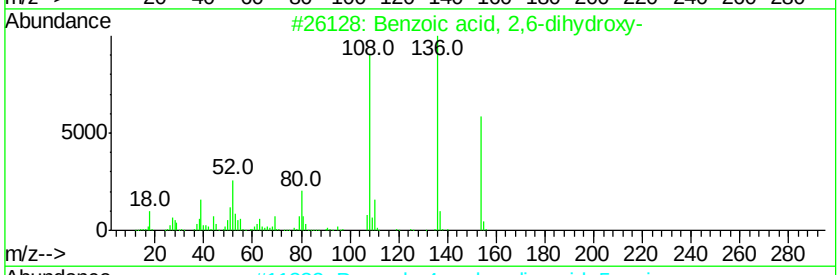
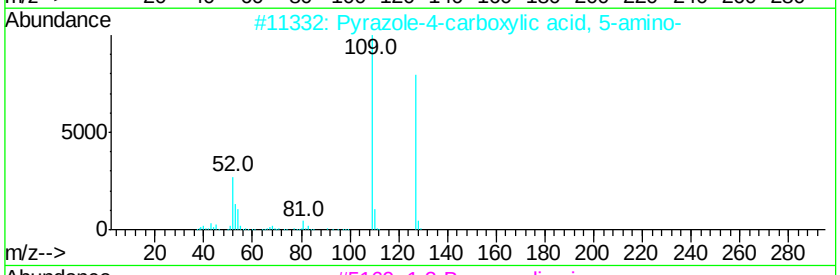
Peak Number 14 unknown11.89 Concentration Rank 8

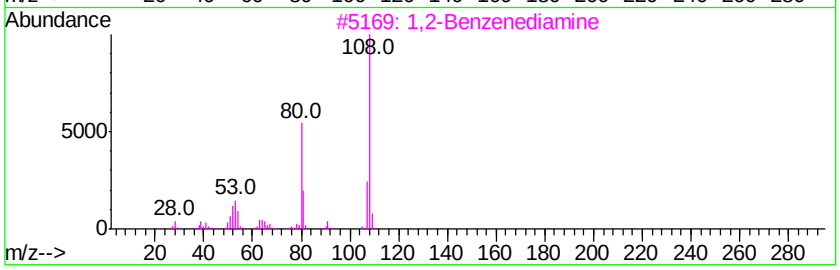
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	53.85 ng	1900830	Phenanthrene-d10	11.23

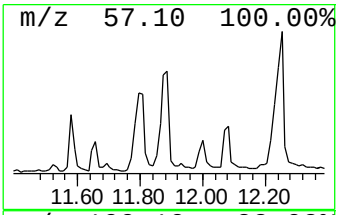
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,6-dihydroxy-	154	C7H6O4	000303-07-1	22
2	Pyrazole-4-carboxylic acid, 5-am...	127	C4H5N3O2	024447-68-5	22
3	1,2-Benzenediamine	108	C6H8N2	000095-54-5	11
4	2-Pyridinamine, 3-methyl-	108	C6H8N2	001603-40-3	11
5	4-Pentyloxyaniline	179	C11H17NO	039905-50-5	10

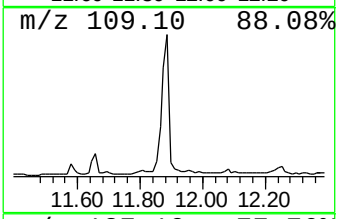


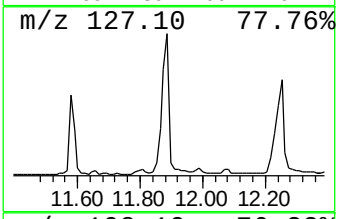


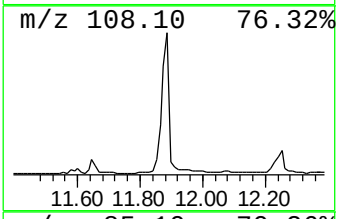


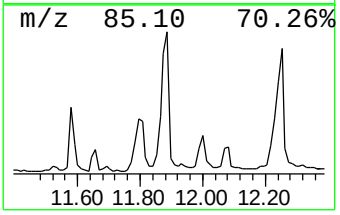












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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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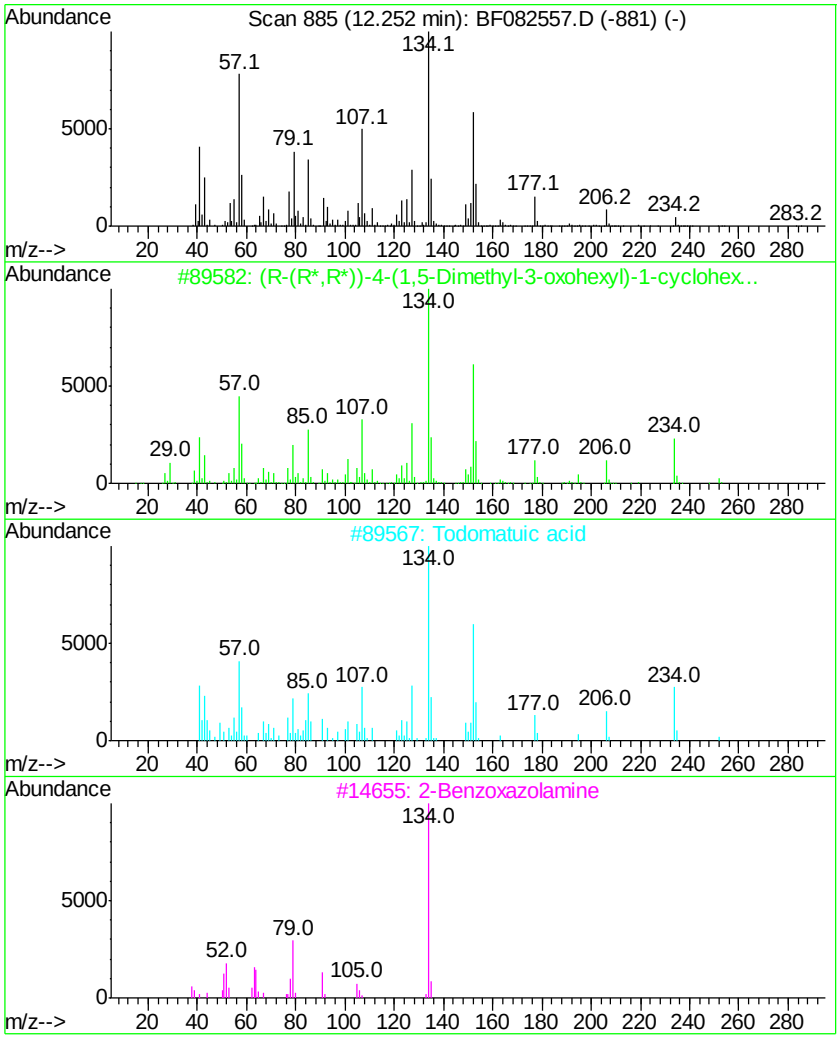
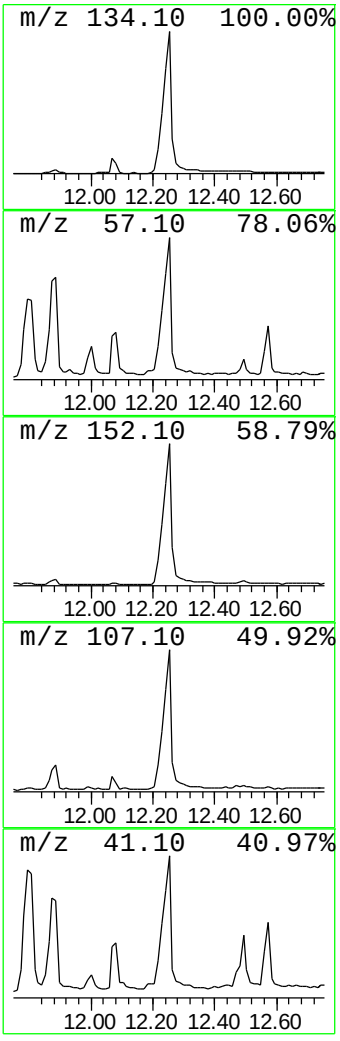
Peak Number 15 (R-(R*,R*))-4-(1,5-Dimethyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	77.39 ng	2731670	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(R-(R*,R*))-4-(1,5-Dimethyl-3-ox...	252	C15H24O3	006753-22-6	80
2	Todomatuic acid	252	C15H24O3	017844-07-4	72
3	2-Benzoxazolamine	134	C7H6N2O	004570-41-6	27
4	4-Azaindol-2(3H)-one	134	C7H6N2O	032501-05-6	27
5	5H-Pyrrolo(3,2-d)pyrimidin-4-amine	134	C6H6N4	002227-98-7	25





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
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TIC Integration Parameters: LSCINT.P

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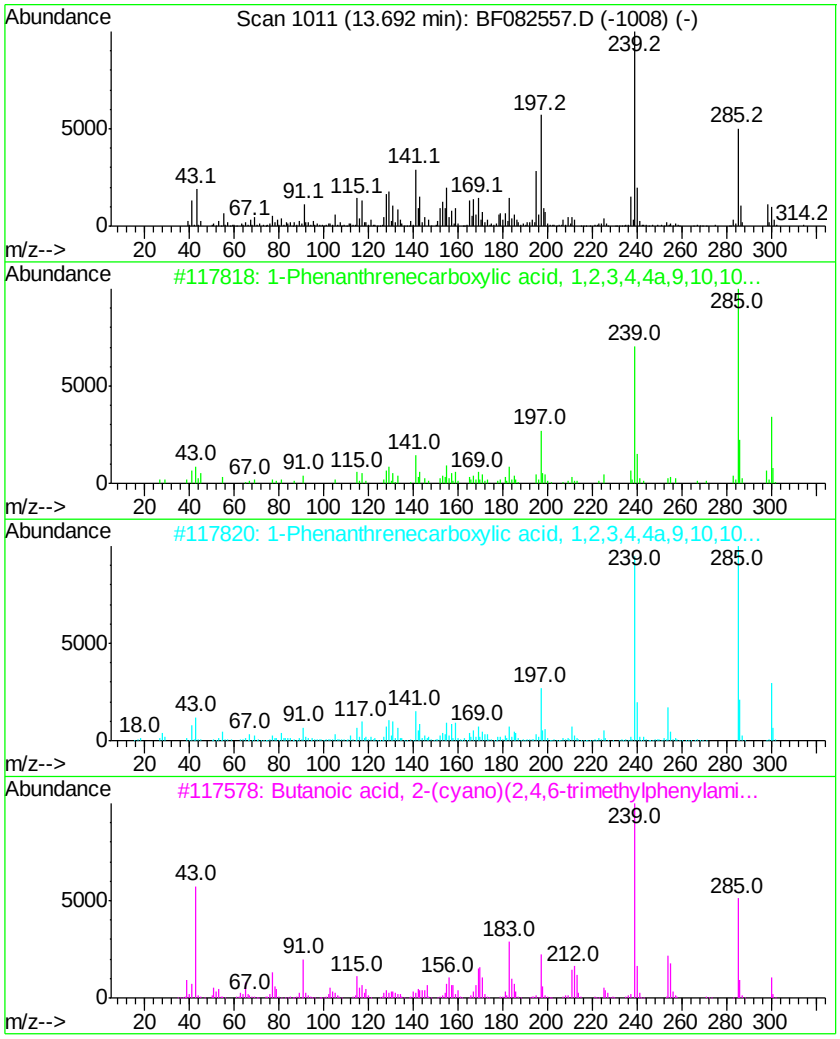
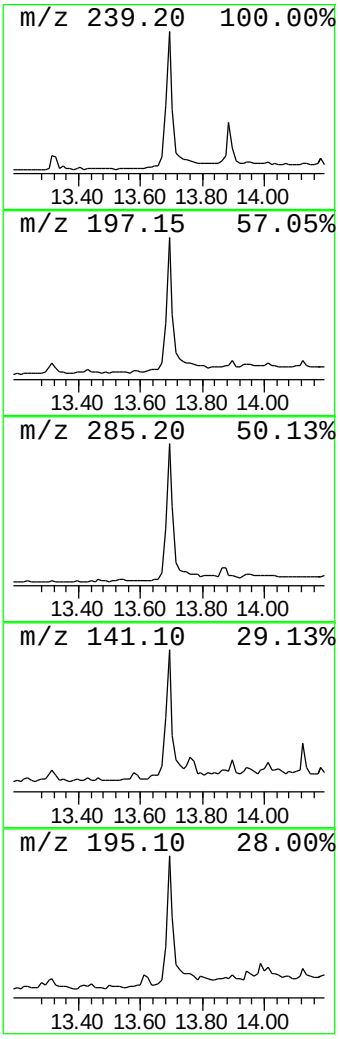
Peak Number 16 1-Phenanthrenecarboxylic ac... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	24.60 ng	1228280	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	80
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	76
3	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	62
4	Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3NO3	000391-02-6	53
5	Cobalt, (.eta.5-2,4-cyclopentadi...	239	C14H12Co	088242-61-9	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.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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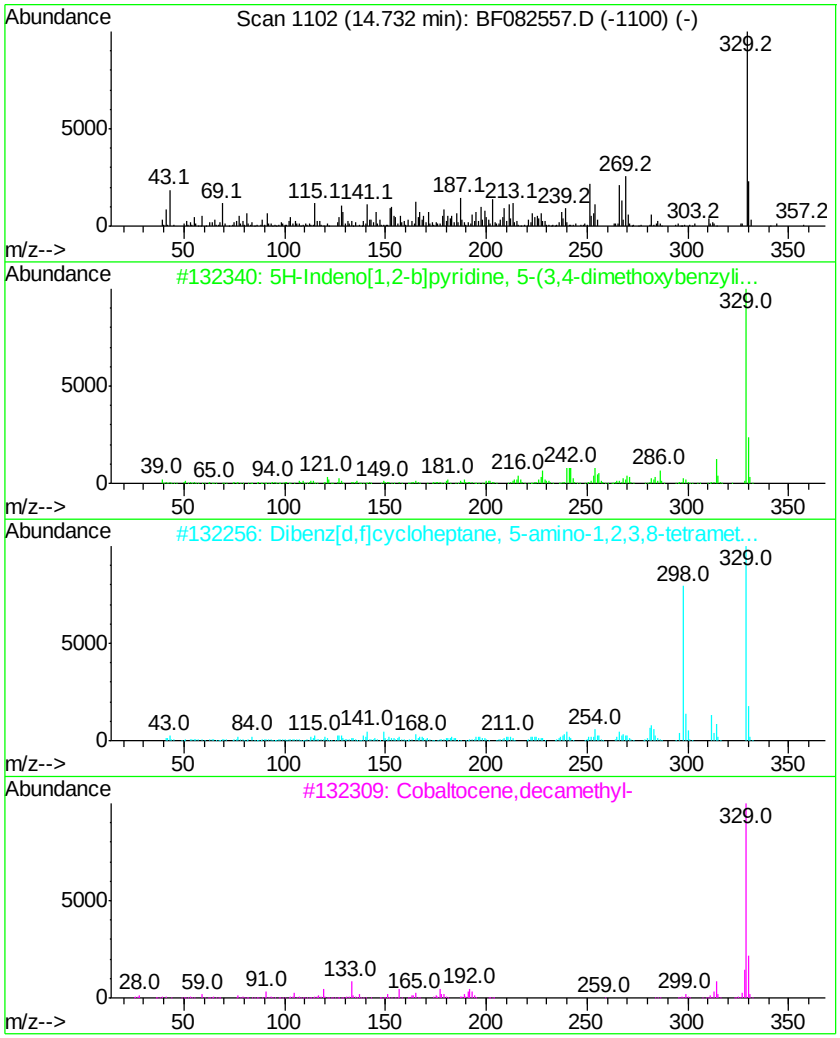
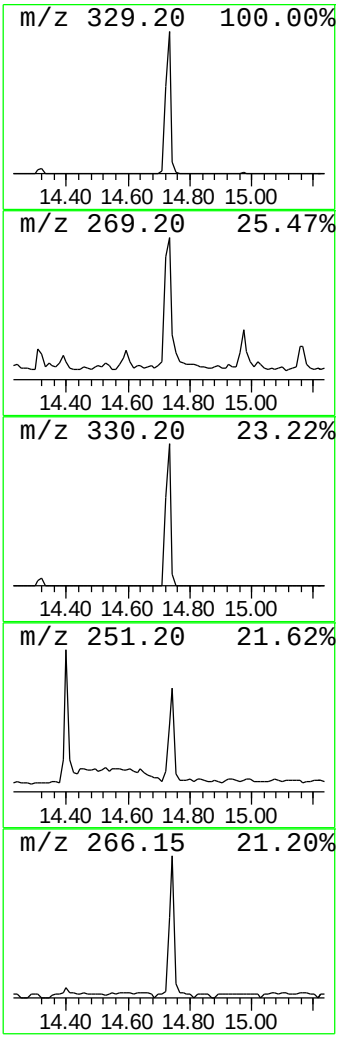
Peak Number 17 unknown14.73 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	25.35 ng	583395	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine, 5-(3,4...	329	C22H19NO2	328282-41-3	49
2	Dibenz[d,f]cycloheptane, 5-amino...	329	C19H23NO4	1000128-25-6	47
3	Cobaltocene,decamethyl-	329	C20H30Co	074507-62-3	45
4	1-Hydroxy-4-(p-toluidine)anthraq...	329	C21H15NO3	000081-48-1	43
5	2H-Indazole, 4,6-dinitro-2-(4-ni...	329	C13H7N5O6	1000277-66-5	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.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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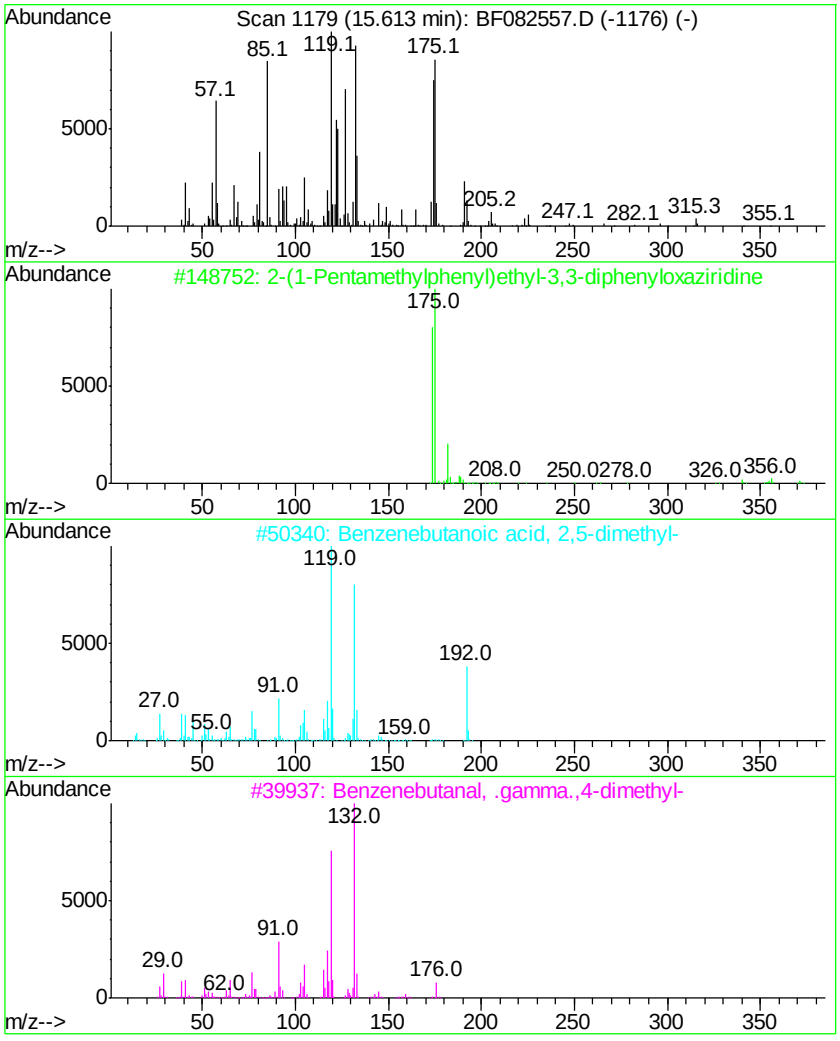
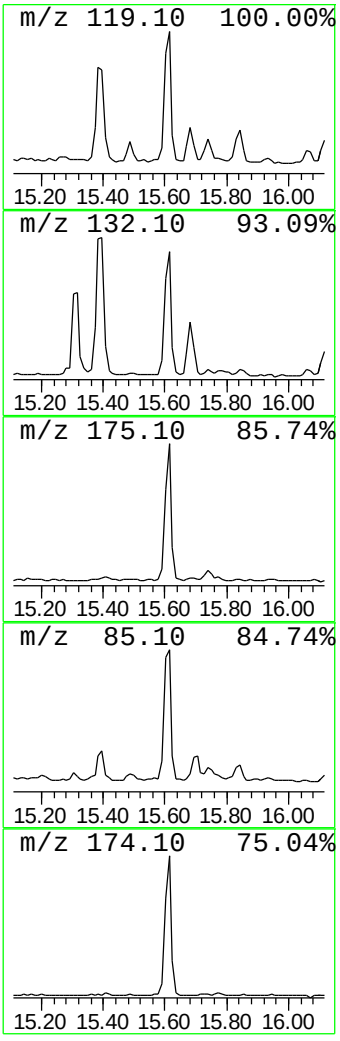
Peak Number 18 unknown15.61 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	27.30 ng	628245	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(1-Pentamethylphenyl)ethyl-3,3...	371	C26H29NO	075326-14-6	40
2	Benzenebutanoic acid, 2,5-dimethyl-	192	C12H16O2	001453-06-1	18
3	Benzenebutanal, .gamma.,4-dimethyl-	176	C12H16O	004895-19-6	14
4	1,3,2-Benzoxazaborole, 2-butyl-2...	175	C10H14BNO	031748-13-7	14
5	1H-Benzo[b]1,4-diazepin-4-amine,...	175	C10H13N3	202537-10-8	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.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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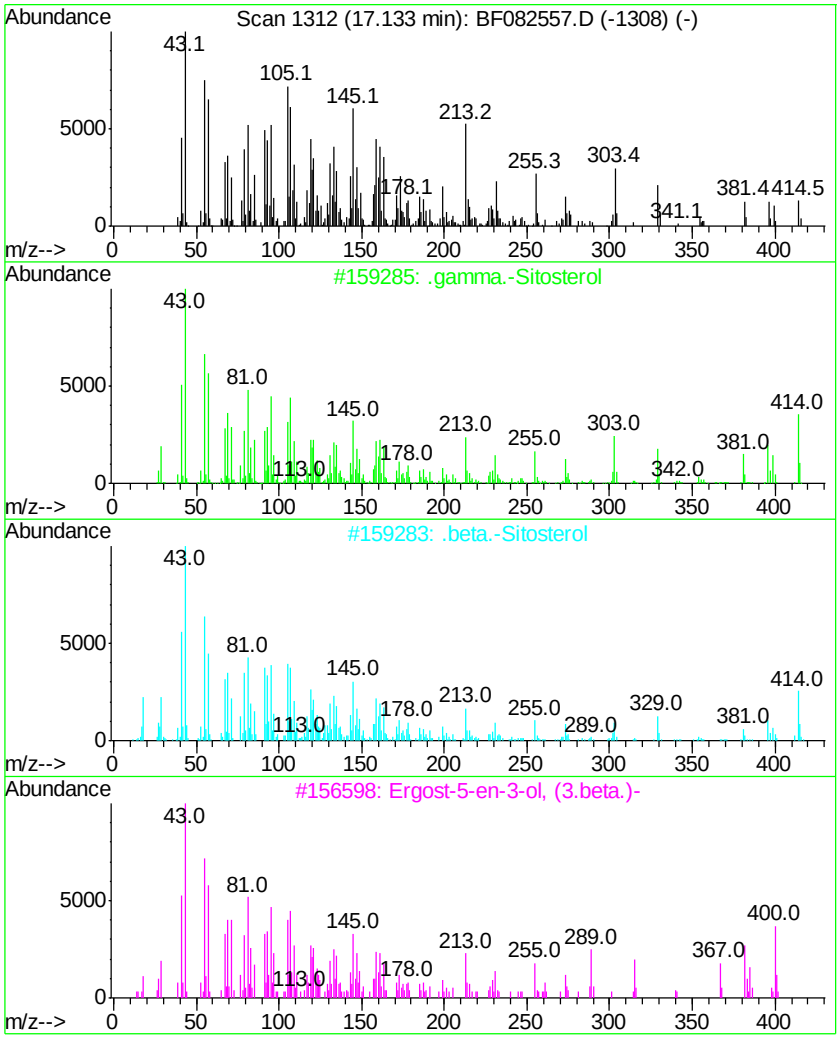
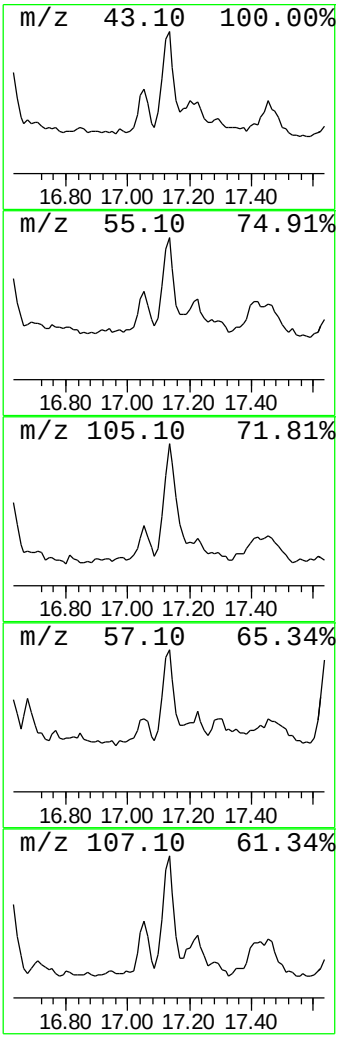
Peak Number 19 .gamma.-Sitosterol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	34.96 ng	804400	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	99
3	Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	53
4	Campesterol	400	C28H48O	000474-62-4	47
5	.beta.-Sitosterol acetate	456	C31H52O2	000915-05-9	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.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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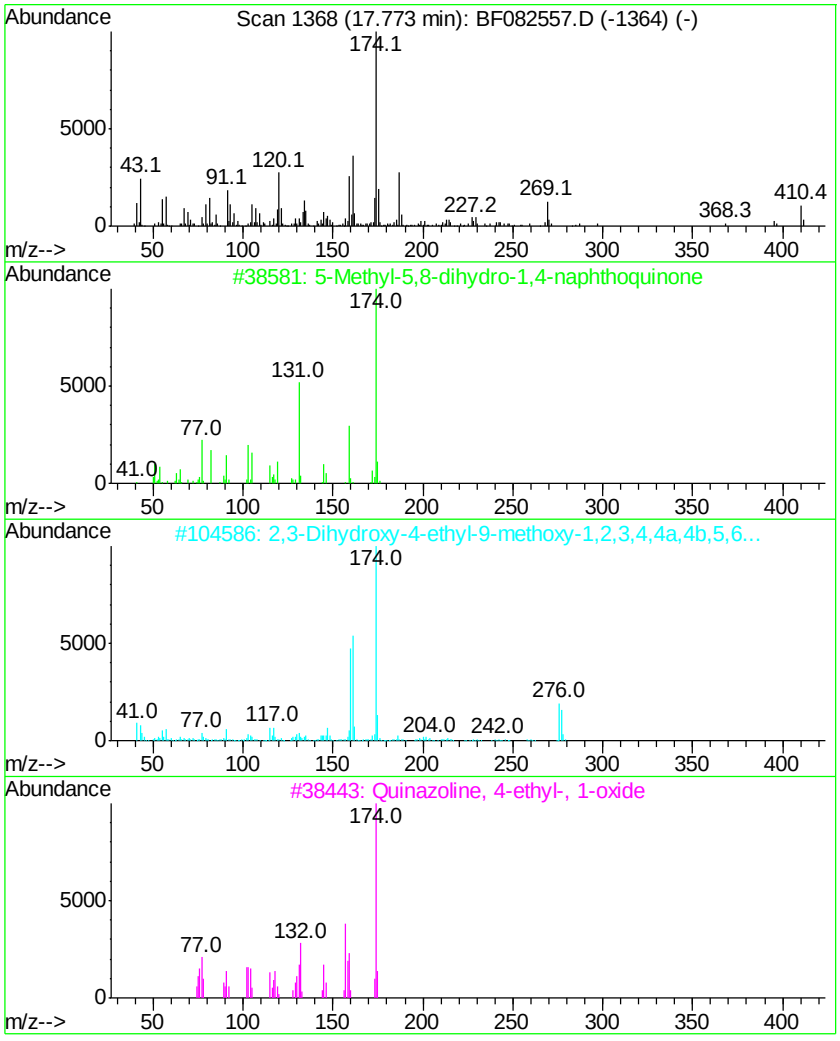
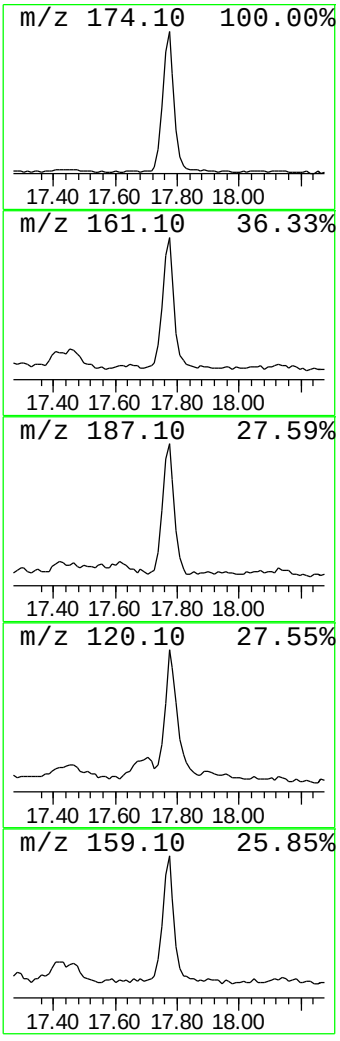
Peak Number 20 unknown17.77 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	22.78 ng	524240	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methyl-5,8-dihydro-1,4-naphtho...	174	C11H10O2	086759-40-2	43
2	2,3-Dihydroxy-4-ethyl-9-methoxy-...	277	C16H23NO3	1000111-32-1	43
3	Quinazoline, 4-ethyl-, 1-oxide	174	C10H10N2O	037920-75-5	43
4	4-(3-Fluorophenyl)pyrimidine	174	C10H7FN2	068049-18-3	38
5	1-Phenyl-4-hydroxy-5-methylpyrazole	174	C10H10N2O	089193-19-1	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102715\
Data File : BF082557.D
Acq On : 27 Oct 2015 20:15
Operator : UM/IZ
Sample : G4157-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WOOD-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.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...	4.88	53.8	ng	1440700	1	6.71	535956	20.0
unknown6.49	6.49	72.9	ng	1954390	1	6.71	535956	20.0
Borneol	7.91	29.1	ng	1414170	2	8.00	972961	20.0
Terpin Hydrate	8.78	93.1	ng	4530260	2	8.00	972961	20.0
Cyclohexanemethan...	8.90	46.6	ng	1918330	3	9.75	823308	20.0
Vanillin	9.27	142.1	ng	5850540	3	9.75	823308	20.0
unknown10.11	10.11	184.0	ng	7572750	3	9.75	823308	20.0
Ethanone, 1-(4-hy...	10.19	36.5	ng	1502930	3	9.75	823308	20.0
2,4'-Dihydroxy-3'...	10.67	28.4	ng	1003370	4	11.23	705971	20.0
unknown10.93	10.93	50.9	ng	1796910	4	11.23	705971	20.0
unknown11.58	11.58	26.5	ng	934548	4	11.23	705971	20.0
n-Hexadecanoic acid	11.81	62.9	ng	2221090	4	11.23	705971	20.0
unknown11.89	11.89	53.9	ng	1900830	4	11.23	705971	20.0
(R-(R*,R*))-4-(1,...	12.25	77.4	ng	2731670	4	11.23	705971	20.0
1-Phenanthrenecar...	13.69	24.6	ng	1228280	5	13.89	998558	20.0
unknown14.73	14.73	25.4	ng	583395	6	15.32	460192	20.0
unknown15.61	15.61	27.3	ng	628245	6	15.32	460192	20.0
.gamma.-Sitosterol	17.13	35.0	ng	804400	6	15.32	460192	20.0
unknown17.77	17.77	22.8	ng	524240	6	15.32	460192	20.0