LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003428.D
Acq On : 10 Dec 2015 00:30
Operator : UM/IZ
Sample : G4696-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

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_M\METHODS\8270-BM120915.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	3.458	58	63	72	rBV	69543	86986	2.51%	0.286%
2	4.258	194	199	208	rVB	100310	137726	3.98%	0.453%
3	4.564	241	251	256	rBV	71221	106499	3.08%	0.350%
4	4.840	293	298	304	rVB	90620	123102	3.56%	0.404%
5	4.940	307	315	321	rVV5	35216	72699	2.10%	0.239%
6	5.028	325	330	340	rVB	98490	145271	4.20%	0.477%
7	5.305	363	377	388	rBV	654644	1074813	31.07%	3.531%
8	5.616	425	430	439	rBV4	49701	86832	2.51%	0.285%
9	5.999	485	495	502	rBV2	100401	157938	4.57%	0.519%
10	6.469	569	575	586	rVB2	138091	217064	6.28%	0.713%
11	6.775	618	627	631	rBV	52270	96505	2.79%	0.317%
12	6.822	631	635	641	rVB	44044	69543	2.01%	0.228%
13	6.893	641	647	657	rVB	361914	609040	17.61%	2.001%
14	6.987	657	663	668	rBV	142347	229361	6.63%	0.754%
15	7.181	680	696	702	rBV3	116034	381271	11.02%	1.253%
16	7.258	702	709	716	rVB	1056310	1728526	49.97%	5.679%
17	7.616	764	770	776	rVB3	24291	51517	1.49%	0.169%
18	7.722	776	788	791	rBV	263399	500792	14.48%	1.645%
19	7.757	791	794	800	rVB	211955	308074	8.91%	1.012%
20	7.910	806	820	825	rBV6	21116	84933	2.46%	0.279%
21	7.999	825	835	836	rBV2	109002	200099	5.78%	0.657%
22	8.040	836	842	847	rBV	1020662	1830958	52.93%	6.016%
23	8.116	853	855	862	rVB	56450	79511	2.30%	0.261%
24	8.275	874	882	887	rBV2	44078	79163	2.29%	0.260%
25	8.363	887	897	904	rBV4	33100	74393	2.15%	0.244%
26	8.463	909	914	918	rBV	27379	46850	1.35%	0.154%
27	8.628	935	942	947	rBV2	28710	55216	1.60%	0.181%
28	8.828	947	976	977	rBV3	334201	1351522	39.07%	4.441%
29	8.881	979	985	989	rBV	820920	1472992	42.58%	4.840%
30	9.057	1010	1015	1025	rVB6	52072	132144	3.82%	0.434%
31	9.340	1054	1063	1073	rBV7	43774	120929	3.50%	0.397%
32	9.451	1073	1082	1085	rBV4	120765	267786	7.74%	0.880%
33	9.510	1089	1092	1099	rVV2	101599	175714	5.08%	0.577%
34	9.575	1099	1103	1113	rVB6	41280	104022	3.01%	0.342%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003428.D
Acq On : 10 Dec 2015 00:30
Operator : UM/IZ
Sample : G4696-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

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_M\METHODS\8270-BM120915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.875	1147	1154	1158	rBV4	29695	75489	2.18%	0.248%
36	9.928	1158	1163	1170	rVB7	36489	92093	2.66%	0.303%
37	10.110	1190	1194	1197	rBV	31746	46974	1.36%	0.154%
38	10.251	1213	1218	1224	rVB5	44002	95649	2.77%	0.314%
39	10.428	1244	1248	1255	rVB8	20089	41420	1.20%	0.136%
40	10.510	1256	1262	1268	rBV	361163	623381	18.02%	2.048%
41	10.681	1285	1291	1296	rVB	71210	123871	3.58%	0.407%
42	10.787	1303	1309	1313	rBV4	27820	55740	1.61%	0.183%
43	10.963	1334	1339	1348	rVB5	37644	102334	2.96%	0.336%
44	11.087	1355	1360	1363	rBV4	49465	85828	2.48%	0.282%
45	11.181	1372	1376	1380	rVB	47975	74949	2.17%	0.246%
46	11.263	1386	1390	1395	rVB4	33736	58580	1.69%	0.192%
47	11.363	1402	1407	1418	rVV	118911	289972	8.38%	0.953%
48	11.445	1418	1421	1431	rVB10	24804	53446	1.55%	0.176%
49	11.640	1448	1454	1462	rVB6	48426	102441	2.96%	0.337%
50	11.769	1471	1476	1482	rBV	51330	96206	2.78%	0.316%
51	12.034	1514	1521	1532	rBV6	44468	118156	3.42%	0.388%
52	12.122	1532	1536	1539	rBV4	25078	42564	1.23%	0.140%
53	12.157	1539	1542	1546	rVV2	49195	80100	2.32%	0.263%
54	12.216	1548	1552	1560	rVB3	66884	133610	3.86%	0.439%
55	12.287	1560	1564	1568	rBV6	34086	59126	1.71%	0.194%
56	12.404	1579	1584	1588	rVB	132330	200455	5.79%	0.659%
57	12.457	1588	1593	1597	rVV3	84609	158912	4.59%	0.522%
58	12.504	1597	1601	1607	rVB	70204	114295	3.30%	0.376%
59	12.563	1607	1611	1620	rVB5	40434	99661	2.88%	0.327%
60	12.681	1627	1631	1642	rVB8	78284	215755	6.24%	0.709%
61	12.769	1642	1646	1651	rVB2	42601	71670	2.07%	0.235%
62	12.822	1651	1655	1663	rBV4	50897	103152	2.98%	0.339%
63	12.892	1664	1667	1672	rVB5	32241	56218	1.63%	0.185%
64	12.945	1672	1676	1678	rBV	74484	101399	2.93%	0.333%
65	12.992	1678	1684	1690	rVV	2067980	3091264	89.36%	10.157%
66	13.098	1697	1702	1710	rVB6	58371	116705	3.37%	0.383%
67	13.216	1718	1722	1729	rVB5	27631	53855	1.56%	0.177%
68	13.334	1736	1742	1746	rBV5	34347	57990	1.68%	0.191%
69	13.387	1746	1751	1756	rBV2	87243	150825	4.36%	0.496%
70	13.498	1765	1770	1773	rBV2	59183	84056	2.43%	0.276%
71	13.539	1773	1777	1780	rVV	46386	61338	1.77%	0.202%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003428.D
Acq On : 10 Dec 2015 00:30
Operator : UM/IZ
Sample : G4696-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

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_M\METHODS\8270-BM120915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.598	1780	1787	1792	rVV6	66451	125971	3.64%	0.414%
73	13.675	1796	1800	1806	rVB6	29697	53635	1.55%	0.176%
74	13.863	1828	1832	1835	rBV	33120	56055	1.62%	0.184%
75	13.892	1835	1837	1845	rVB4	48070	79762	2.31%	0.262%
76	13.969	1845	1850	1857	rBV3	52183	82255	2.38%	0.270%
77	14.069	1862	1867	1874	rVV	123313	187887	5.43%	0.617%
78	14.145	1875	1880	1884	rVV	128614	193716	5.60%	0.636%
79	14.198	1884	1889	1897	rVB3	50211	98520	2.85%	0.324%
80	14.375	1913	1919	1926	rVB2	497929	768414	22.21%	2.525%
81	14.498	1936	1940	1945	rBV5	33165	48431	1.40%	0.159%
82	14.669	1963	1969	1973	rBV	53128	97955	2.83%	0.322%
83	14.745	1978	1982	1993	rVB	94186	176960	5.12%	0.581%
84	14.839	1993	1998	2003	rBV2	45271	75772	2.19%	0.249%
85	14.892	2003	2007	2009	rBV4	31572	47027	1.36%	0.155%
86	15.081	2034	2039	2048	rVB3	46455	120779	3.49%	0.397%
87	15.204	2054	2060	2066	rBV5	58684	120840	3.49%	0.397%
88	15.263	2066	2070	2076	rVB2	52645	78890	2.28%	0.259%
89	15.381	2083	2090	2093	rBV	63894	95232	2.75%	0.313%
90	15.528	2111	2115	2121	rVB3	25911	45136	1.30%	0.148%
91	15.863	2163	2172	2183	rBV	1292072	1966775	56.86%	6.462%
92	17.122	2380	2386	2393	rVB	585599	811265	23.45%	2.666%
93	17.480	2443	2447	2454	rBV	39985	59732	1.73%	0.196%
94	18.016	2533	2538	2544	rBV2	47710	77956	2.25%	0.256%
95	19.398	2768	2773	2785	rVB2	69602	126665	3.66%	0.416%
96	19.757	2828	2834	2839	rBV	2732131	3459183	100.00%	11.366%
97	20.886	3021	3026	3032	rBV	48485	70870	2.05%	0.233%
98	21.021	3045	3049	3055	rBV	49496	66876	1.93%	0.220%
99	21.310	3093	3098	3107	rBV	704339	919040	26.57%	3.020%
100	23.568	3474	3482	3492	rVB	464574	874482	25.28%	2.873%

Sum of corrected areas: 30435351

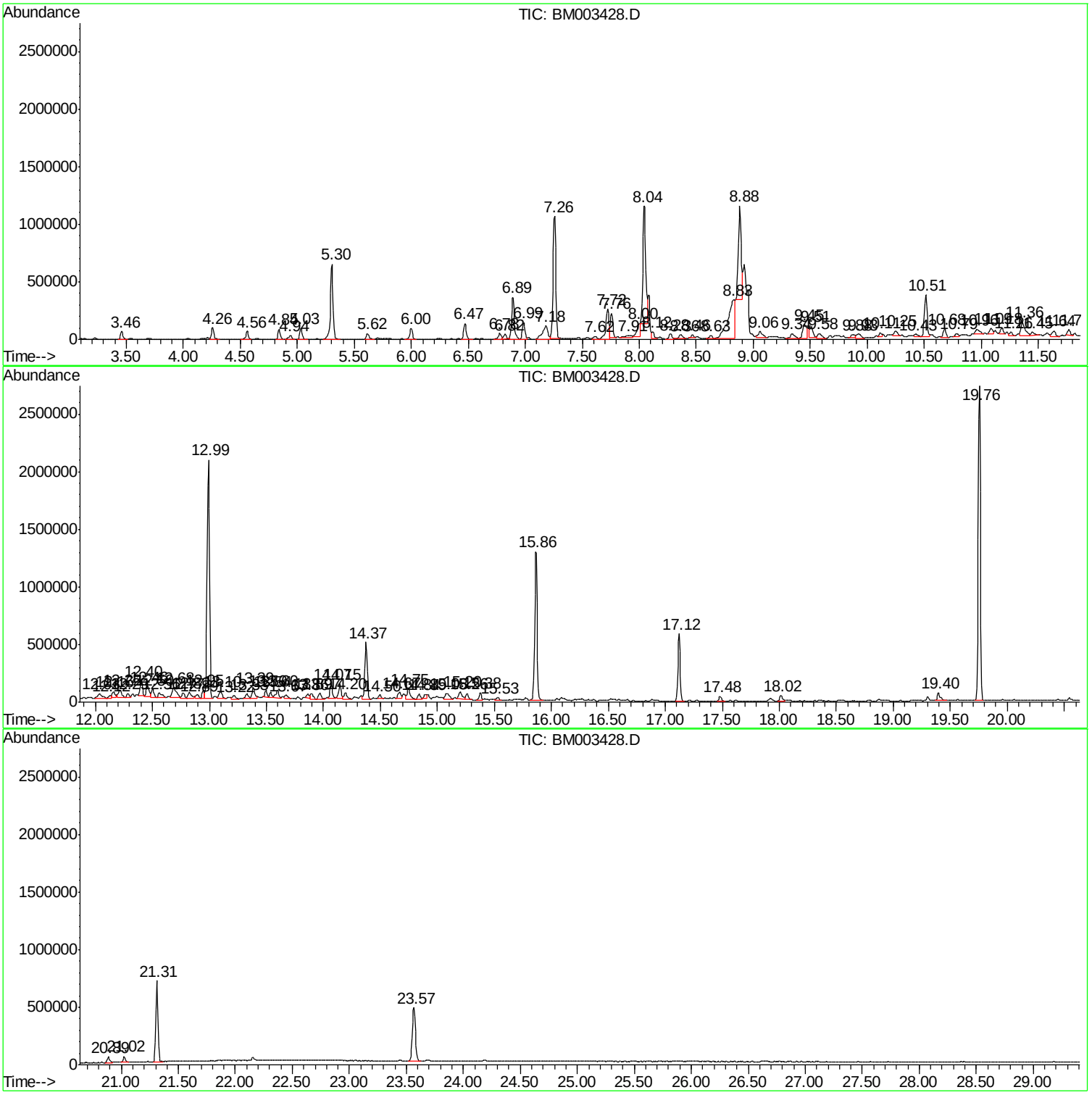
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003428.D
Acq On : 10 Dec 2015 00:30
Operator : UM/IZ
Sample : G4696-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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_M\DATA\BM120915\
Data File : BM003428.D
Acq On : 10 Dec 2015 00:30
Operator : UM/IZ
Sample : G4696-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

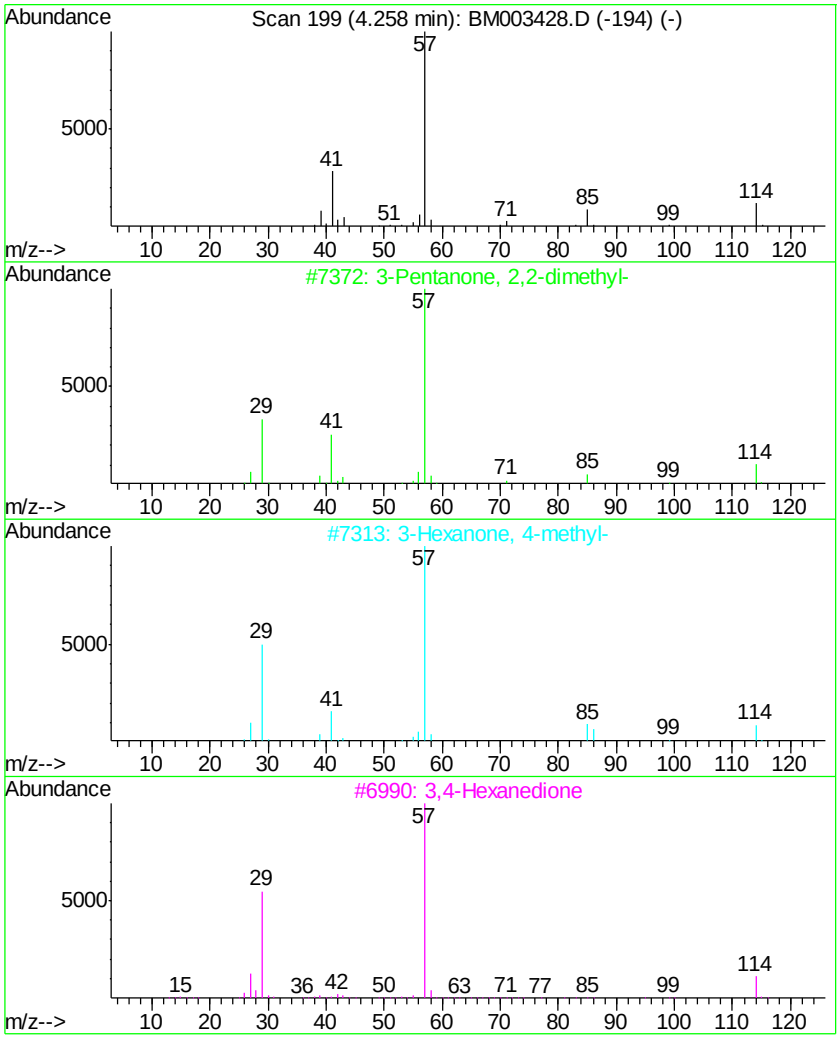
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

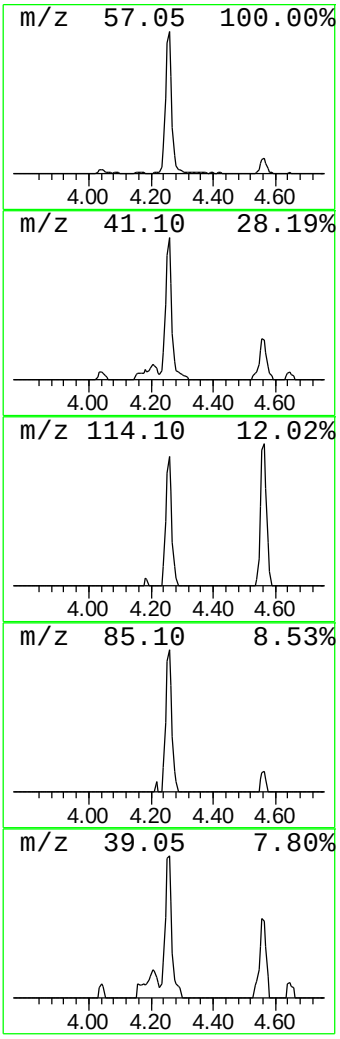
****

Peak Number 1 3-Pentanone, 2,2-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.26	5.50 ng	137726	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,2-dimethyl-	114	C7H14O	000564-04-5	87
2	3-Hexanone, 4-methyl-	114	C7H14O	017042-16-9	53
3	3,4-Hexanedione	114	C6H10O2	004437-51-8	50
4	3-Hexanone, 5-methyl-	114	C7H14O	000623-56-3	42
5	3-Heptanone	114	C7H14O	000106-35-4	40





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003428.D
Acq On : 10 Dec 2015 00:30
Operator : UM/IZ
Sample : G4696-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

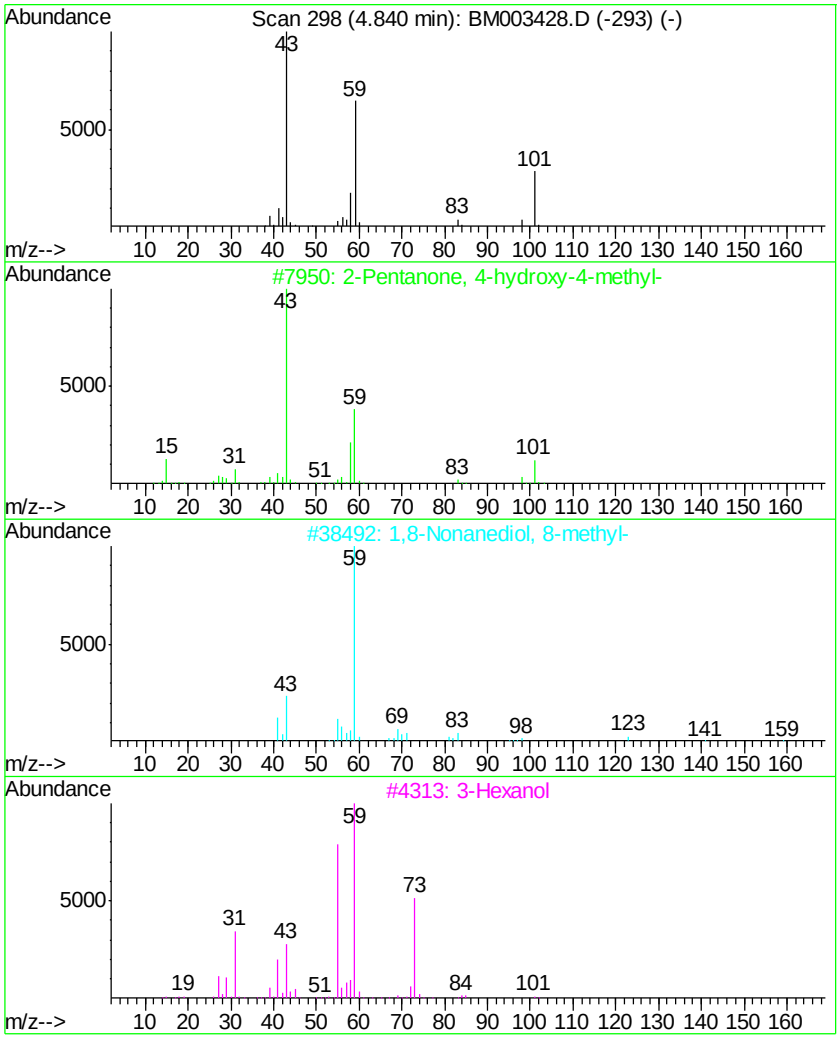
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

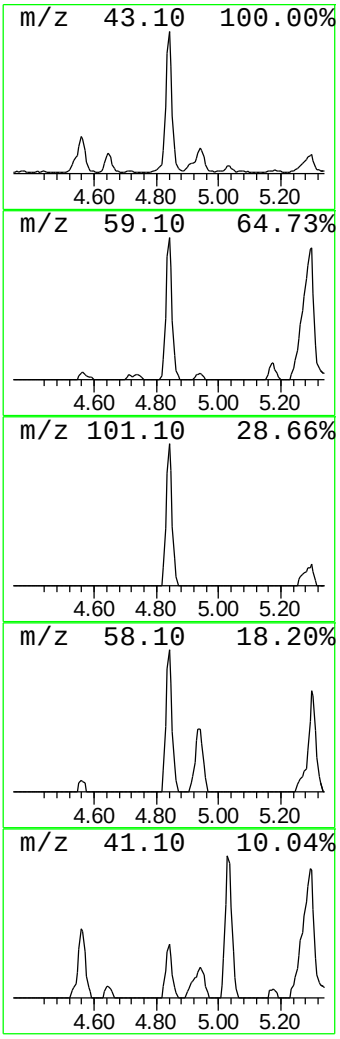
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.84	4.92 ng	123102	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
3	3-Hexanol	102	C6H14O	000623-37-0	17
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	12
5	t-Butyl ethyl ether	102	C6H14O	1000118-18-4	10





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003428.D
Acq On : 10 Dec 2015 00:30
Operator : UM/IZ
Sample : G4696-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

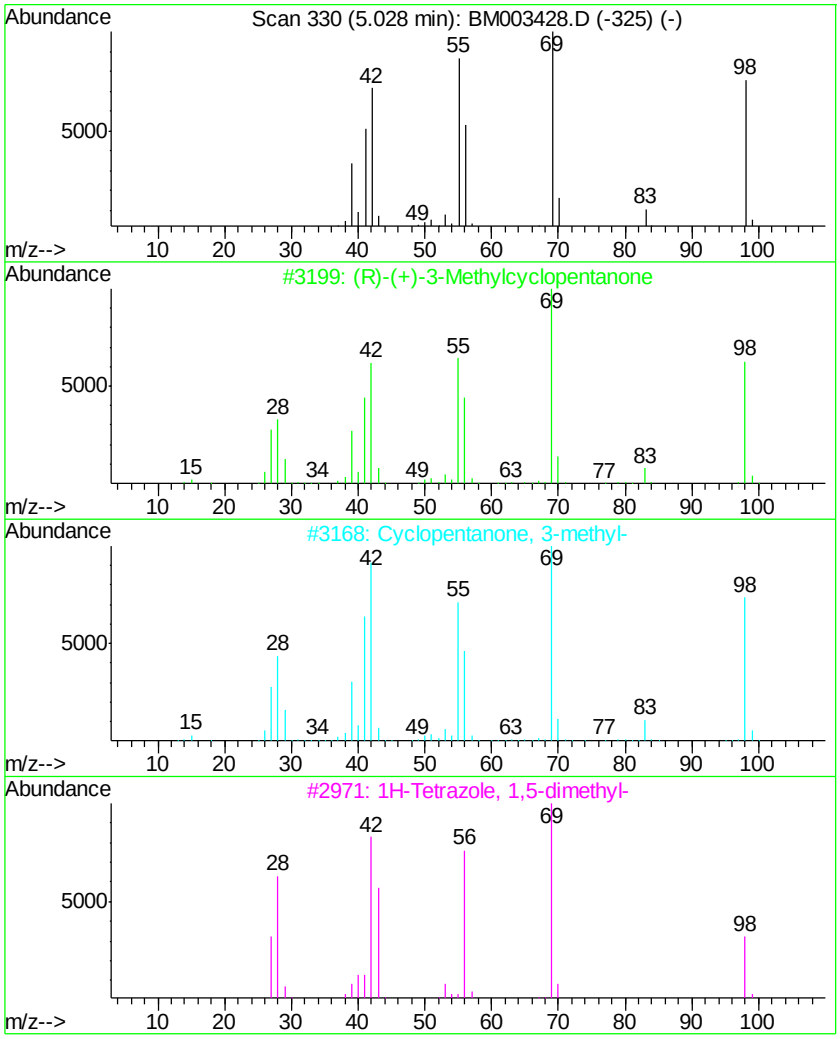
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

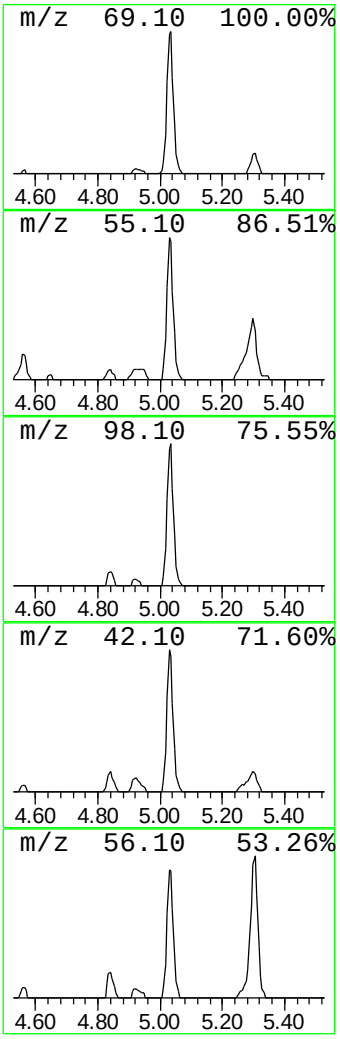
****

Peak Number 3 (R)-(+)-3-Methylcyclopentanone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	5.80 ng	145271	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	95
2	Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	91
3	1H-Tetrazole, 1,5-dimethyl-	98	C3H6N4	005144-11-6	64
4	1,3-Cyclopentanedione	98	C5H6O2	003859-41-4	50
5	2-Methyl-3,4,5,6-tetrahydropyrazine	98	C5H10N2	344240-21-7	47





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003428.D
Acq On : 10 Dec 2015 00:30
Operator : UM/IZ
Sample : G4696-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

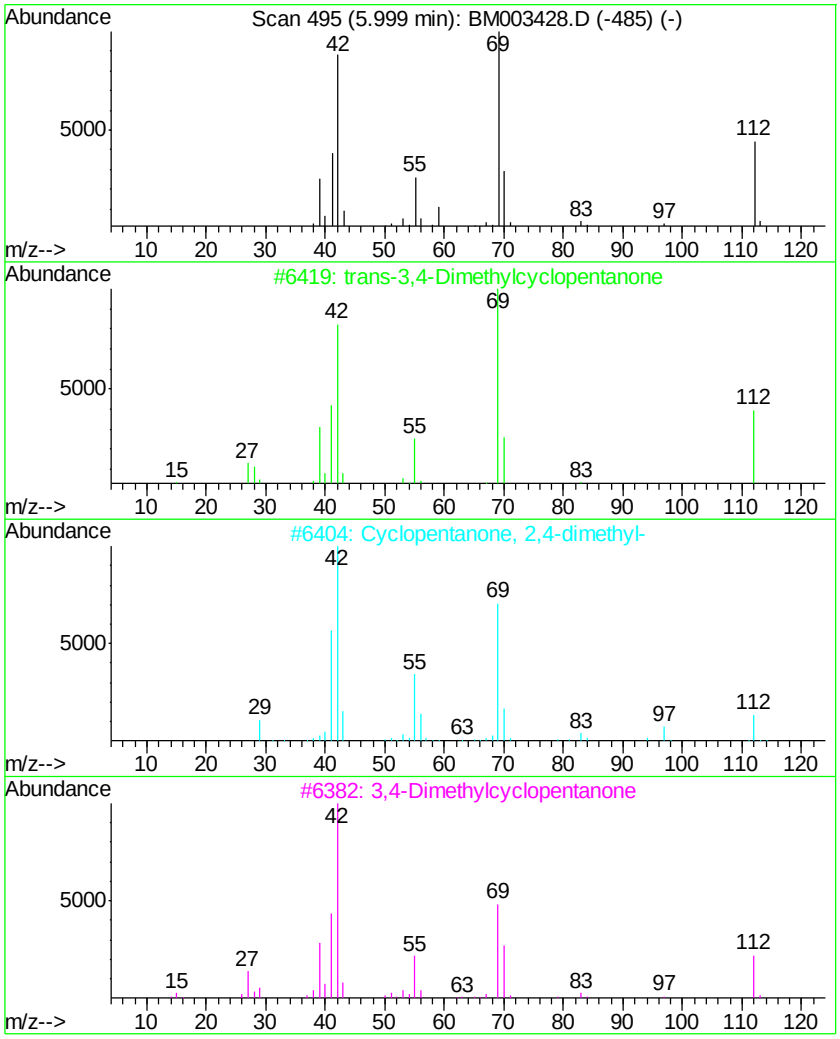
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

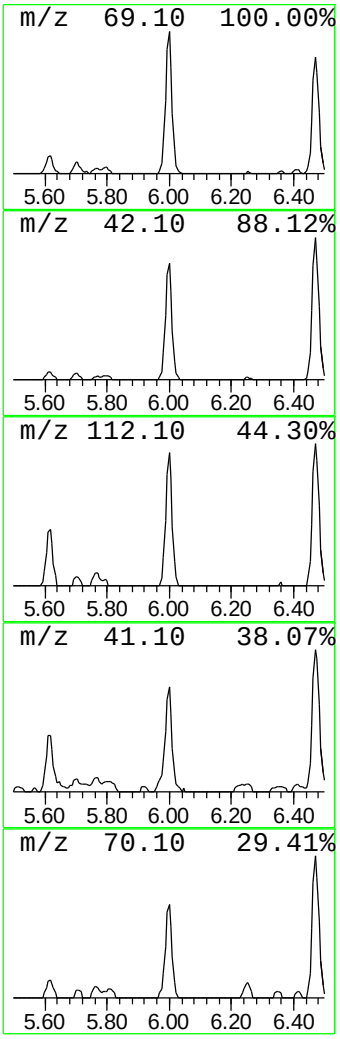
****

Peak Number 4 trans-3,4-Dimethylcyclopent... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	6.31 ng	157938	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-3,4-Dimethylcyclopentanone	112	C7H12O	019550-73-3	90
2	Cyclopentanone, 2,4-dimethyl-	112	C7H12O	001121-33-1	56
3	3,4-Dimethylcyclopentanone	112	C7H12O	058372-16-0	50
4	Cyclohexanone, 3-methyl-, (R)-	112	C7H12O	013368-65-5	50
5	1-Pyrrolidinamine, N-ethylidene-	112	C6H12N2	060144-27-6	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003428.D
Acq On : 10 Dec 2015 00:30
Operator : UM/IZ
Sample : G4696-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

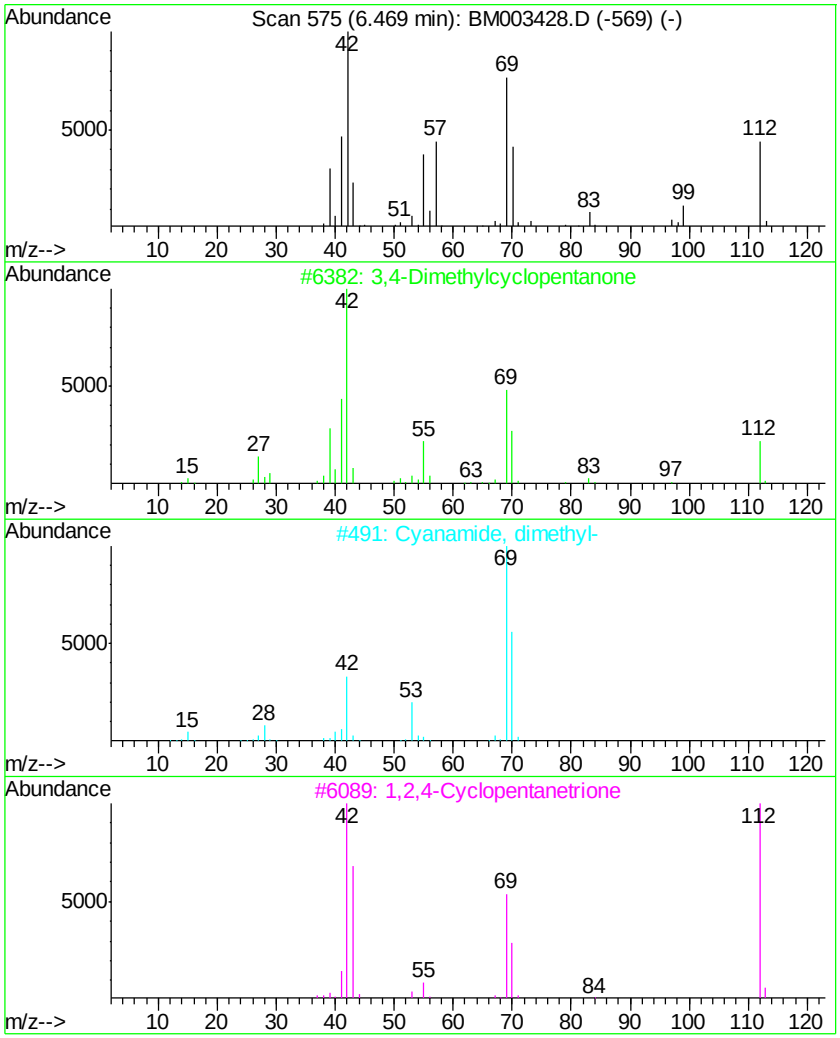
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

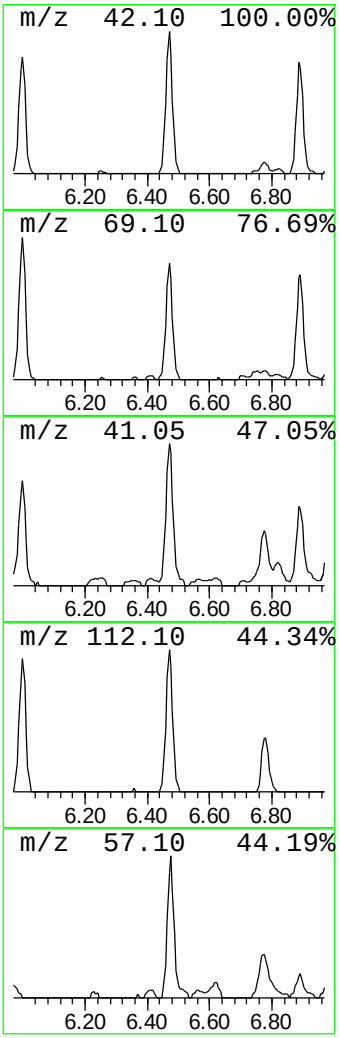
****

Peak Number 5 3,4-Dimethylcyclopentanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	8.67 ng	217064	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylcyclopentanone	112	C7H12O	058372-16-0	83
2	Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	58
3	1,2,4-Cyclopentanetrione	112	C5H4O3	015849-14-6	53
4	trans-3,4-Dimethylcyclopentanone	112	C7H12O	019550-73-3	46
5	Cyclopentanone, 2,5-dimethyl-	112	C7H12O	004041-09-2	45





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Acq On : 10 Dec 2015 00:30
Operator : UM/IZ
Sample : G4696-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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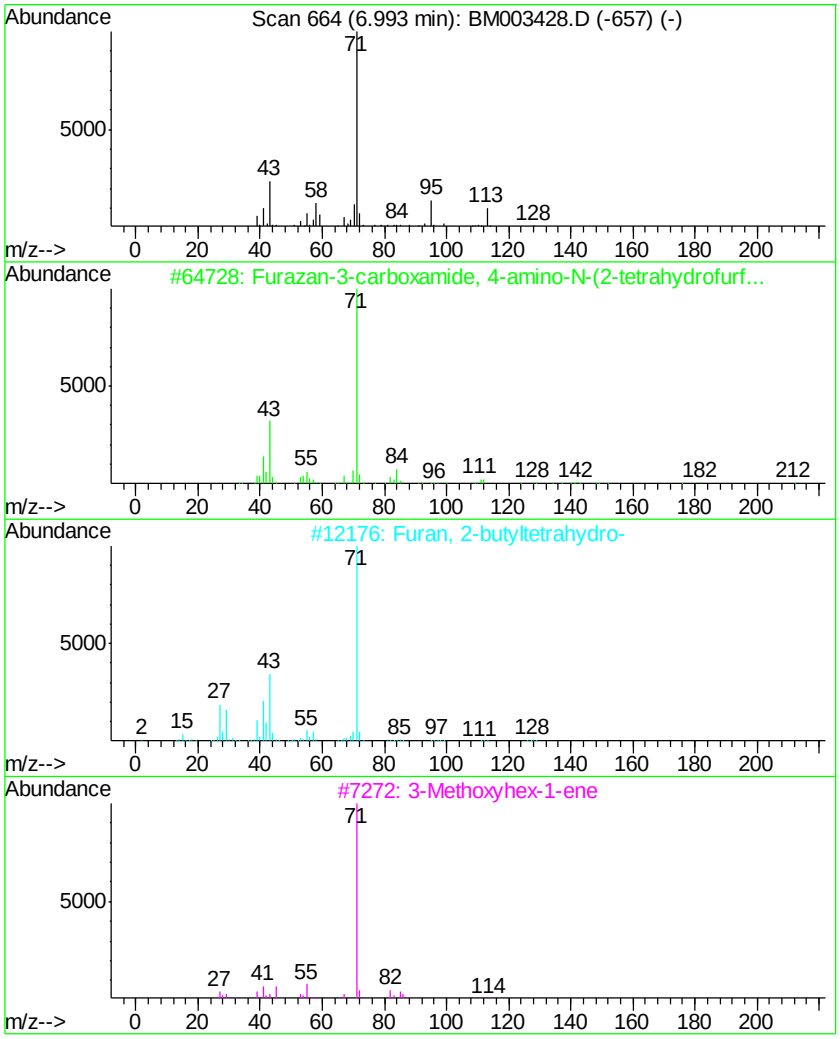
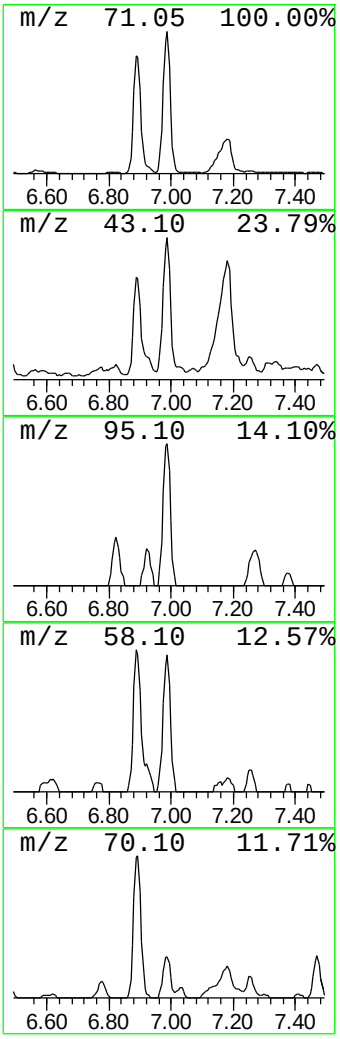
Peak Number 6 Furazan-3-carboxamide, 4-am... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	9.16 ng	229361	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furazan-3-carboxamide, 4-amino-N...	212	C8H12N4O3	309735-27-1	53
2	Furan, 2-butyltetrahydro-	128	C8H16O	001004-29-1	50
3	3-Methoxyhex-1-ene	114	C7H14O	108811-41-2	47
4	1-Methylcycloheptanol	128	C8H16O	003761-94-2	47
5	2-Hepten-3-ol, 4,5-dimethyl-	142	C9H18O	055956-37-1	42





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Sample : G4696-05
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Instrument : BNA_M
ClientSampleId : GMW-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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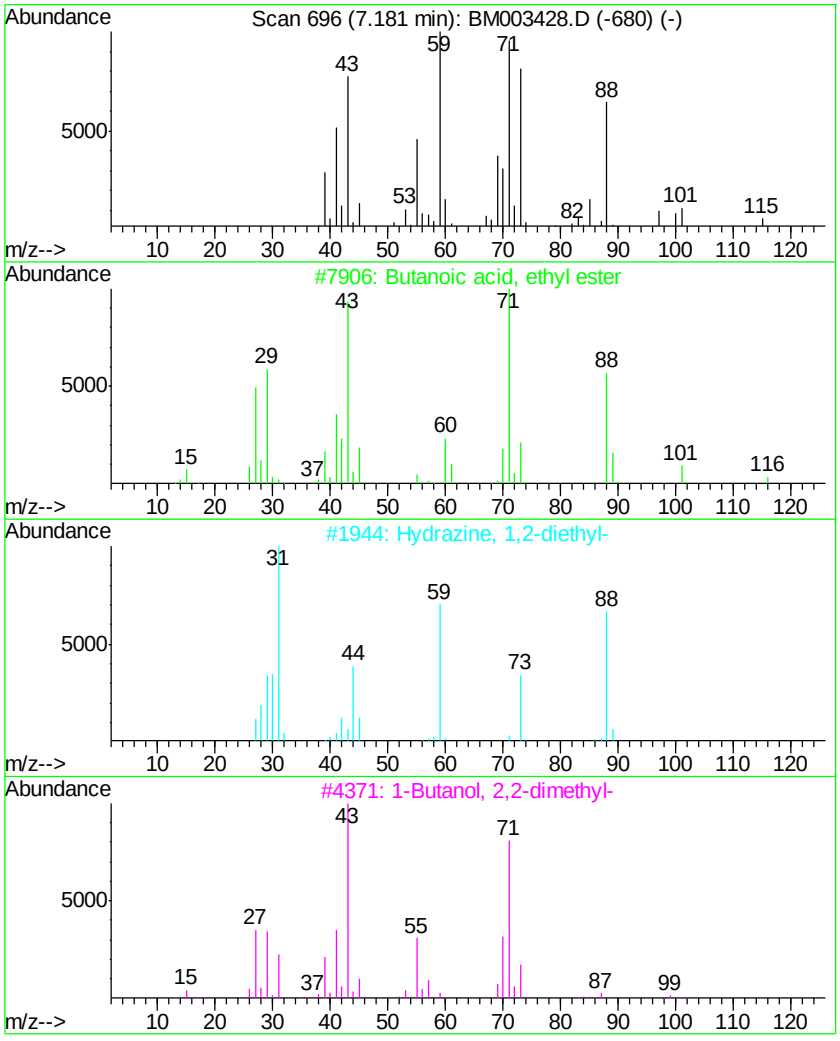
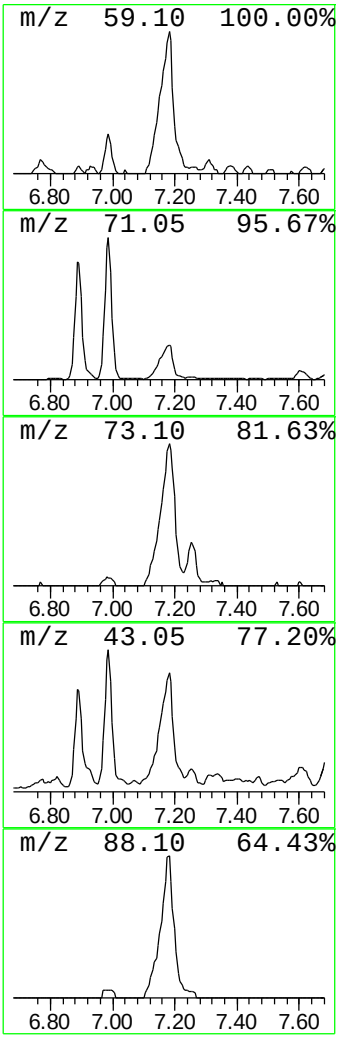
Peak Number 7 unknown7.18 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	15.23 ng	381271	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, ethyl ester	116	C6H12O2	000105-54-4	43
2	Hydrazine, 1,2-diethyl-	88	C4H12N2	001615-80-1	35
3	1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	27
4	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	27
5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	27





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Instrument : BNA_M
ClientSampleId : GMW-01

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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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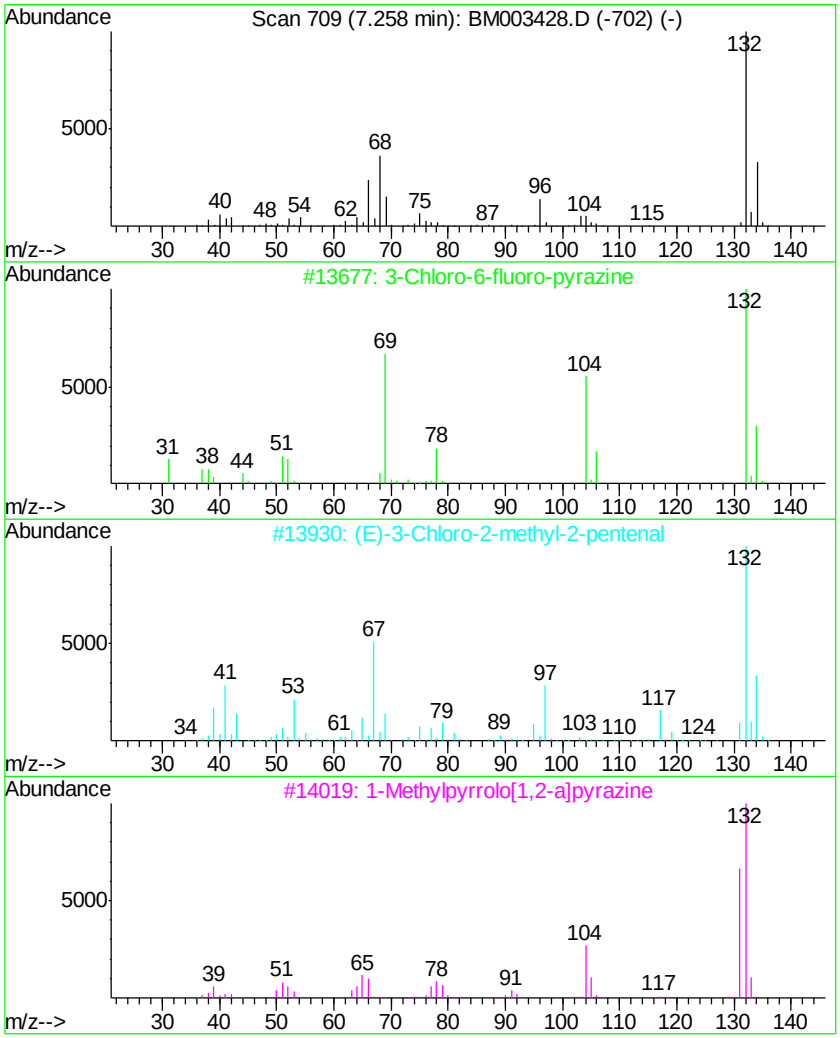
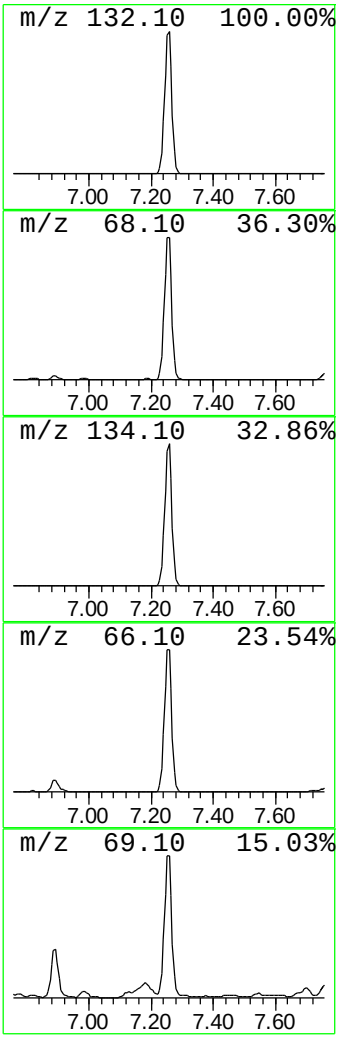
Peak Number 8 unknown7.26 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	69.03 ng	1728530	1,4-Dichlorobenzene-d4	7.72

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	17
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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ClientSampleId : GMW-01

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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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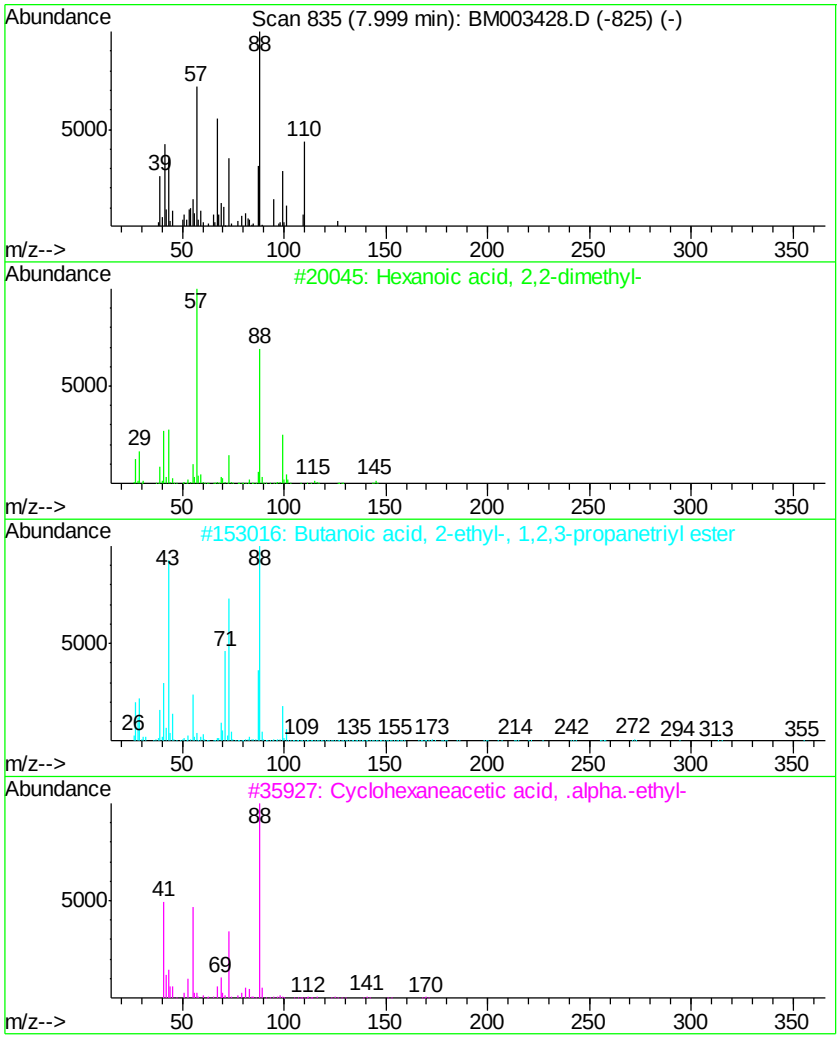
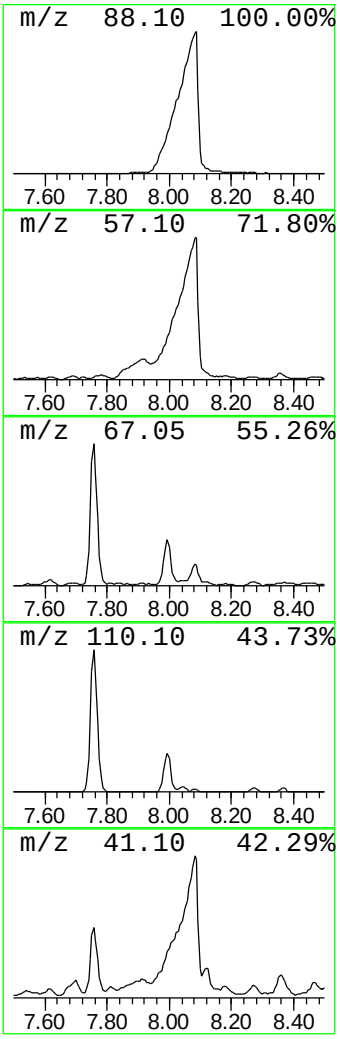
Peak Number 9 unknown8.00 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	7.99 ng	200099	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2,2-dimethyl-	144	C8H16O2	000813-72-9	38
2	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	37
3	Cyclohexaneacetic acid, .alpha.-...	170	C10H18O2	006051-00-9	27
4	Bicyclo[3.1.1]heptan-2-one	110	C7H10O	017159-87-4	12
5	Butyric acid, 2,2,3,3-tetramethyl-	144	C8H16O2	030407-41-1	12





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Sample : G4696-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

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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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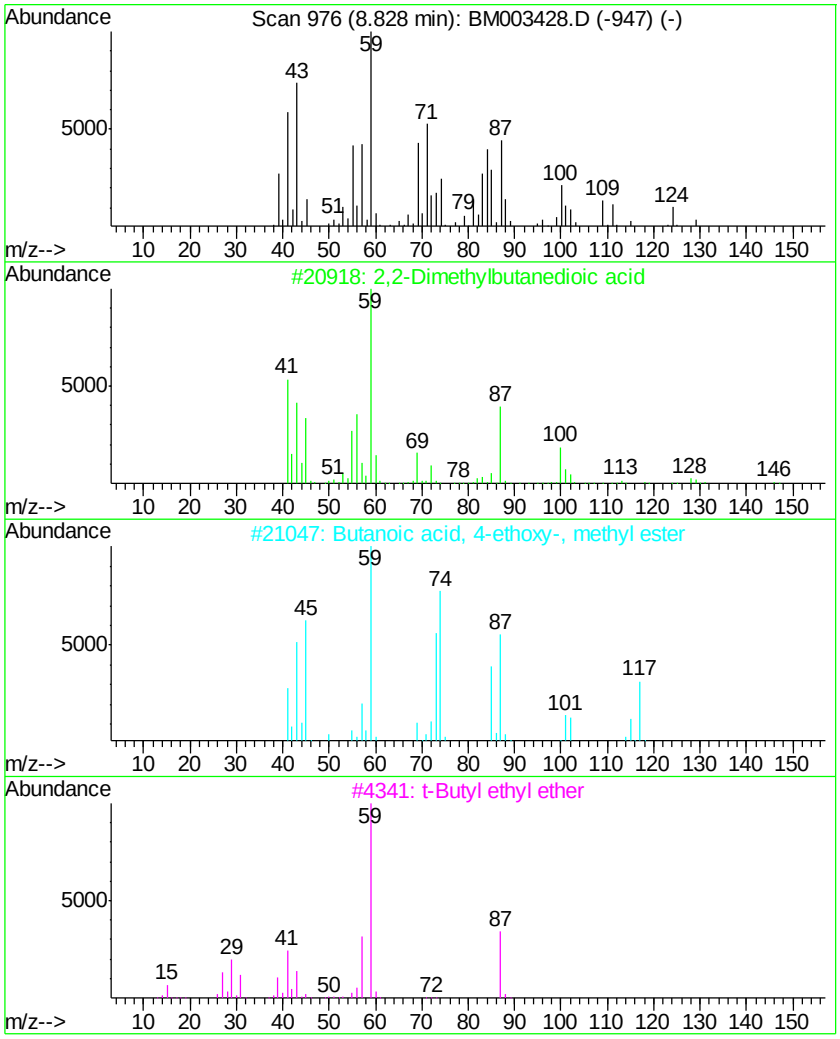
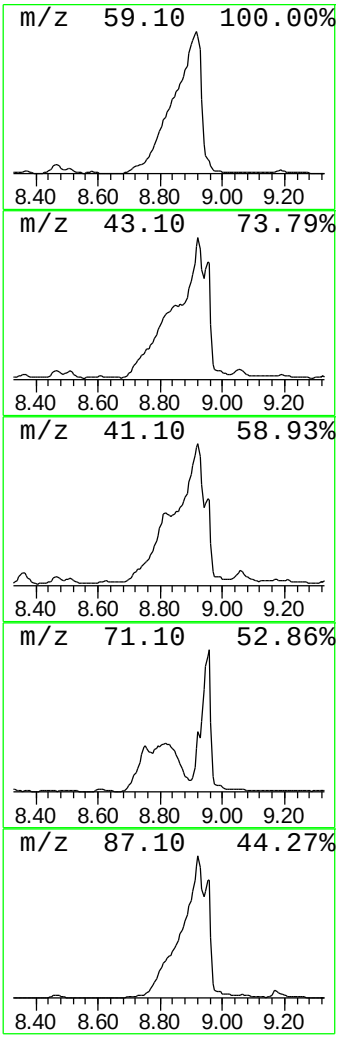
Peak Number 11 unknown8.83 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	53.98 ng	1351520	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylbutanedioic acid	146	C6H10O4	000597-43-3	37
2	Butanoic acid, 4-ethoxy-, methyl...	146	C7H14O3	029006-04-0	32
3	t-Butyl ethyl ether	102	C6H14O	1000118-18-4	27
4	Butane, 2-ethoxy-2-methyl-	116	C7H16O	000919-94-8	25
5	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	22





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Instrument : BNA_M
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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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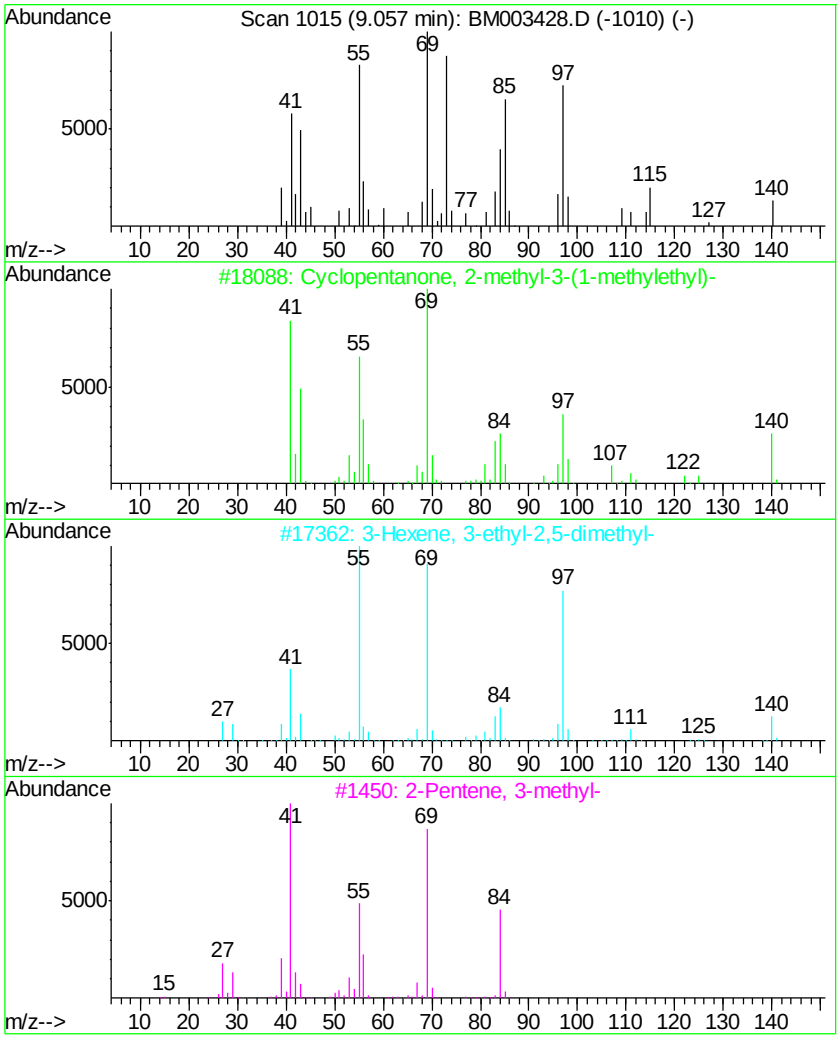
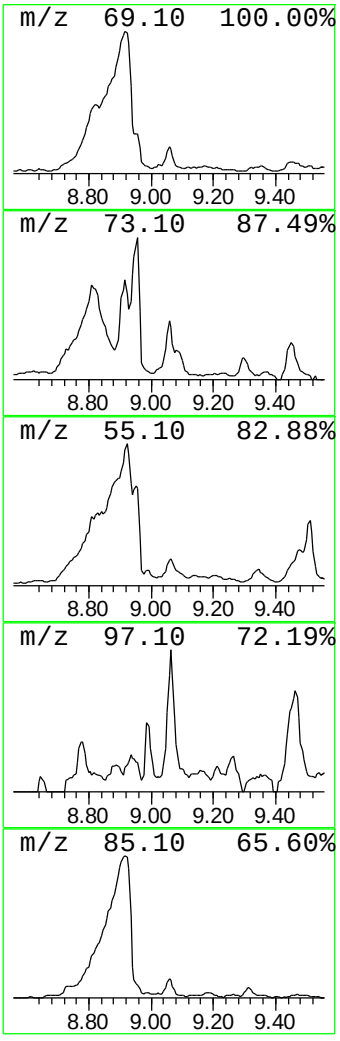
Peak Number 12 Cyclopentanone, 2-methyl-3-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	5.28 ng	132144	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-methyl-3-(1-me...	140	C9H16O	054549-81-4	58
2	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	43
3	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	38
4	Cyclopropane, (1,2-dimethylpropyl)-	112	C8H16	006976-27-8	35
5	Pentane, 3-methylene-	84	C6H12	000760-21-4	35





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Sample : G4696-05
Misc :
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Instrument : BNA_M
ClientSampleId : GMW-01

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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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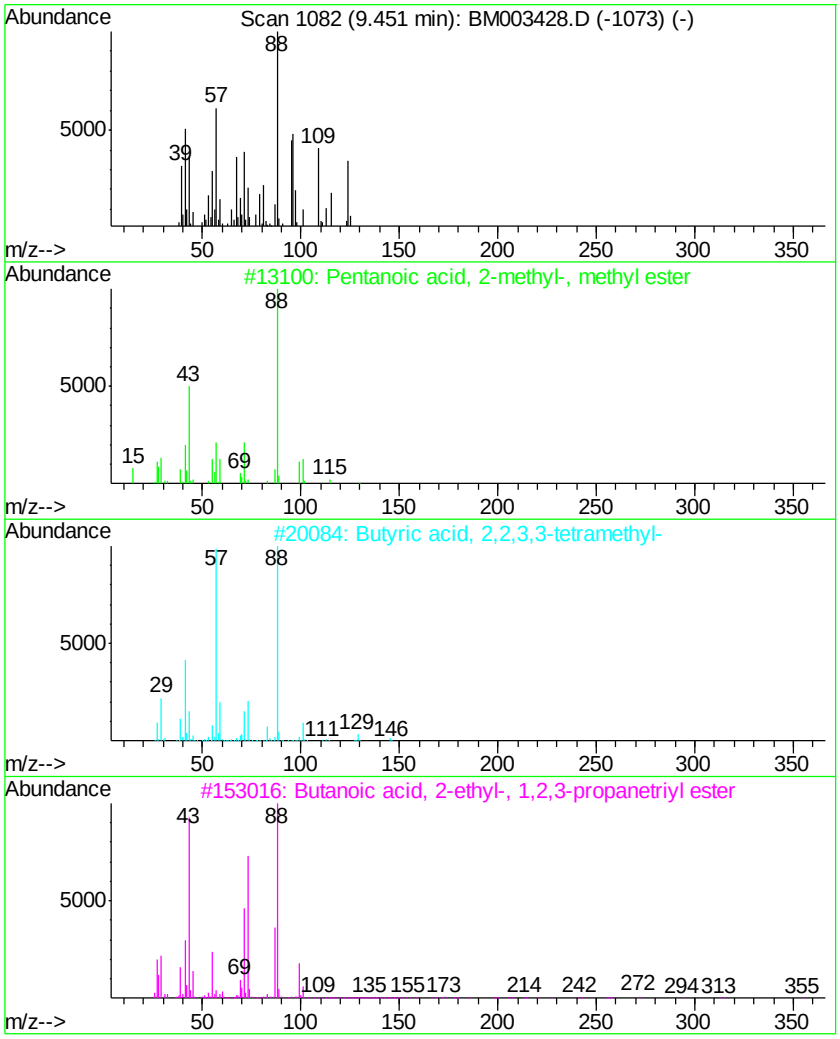
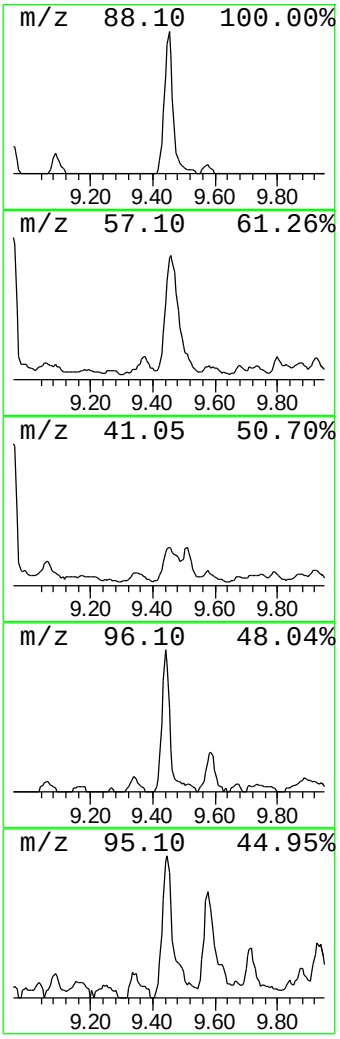
Peak Number 13 unknown9.45 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	8.59 ng	267786	Naphthalene-d8	10.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 2-methyl-, methy...	130	C7H14O2	002177-77-7	27
2	Butyric acid, 2,2,3,3-tetramethyl-	144	C8H16O2	030407-41-1	22
3	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	16
4	Acetic acid, diethyl-	116	C6H12O2	000088-09-5	12
5	Hexanoic acid, 2,2-dimethyl-	144	C8H16O2	000813-72-9	12





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Instrument : BNA_M
ClientSampleId : GMW-01

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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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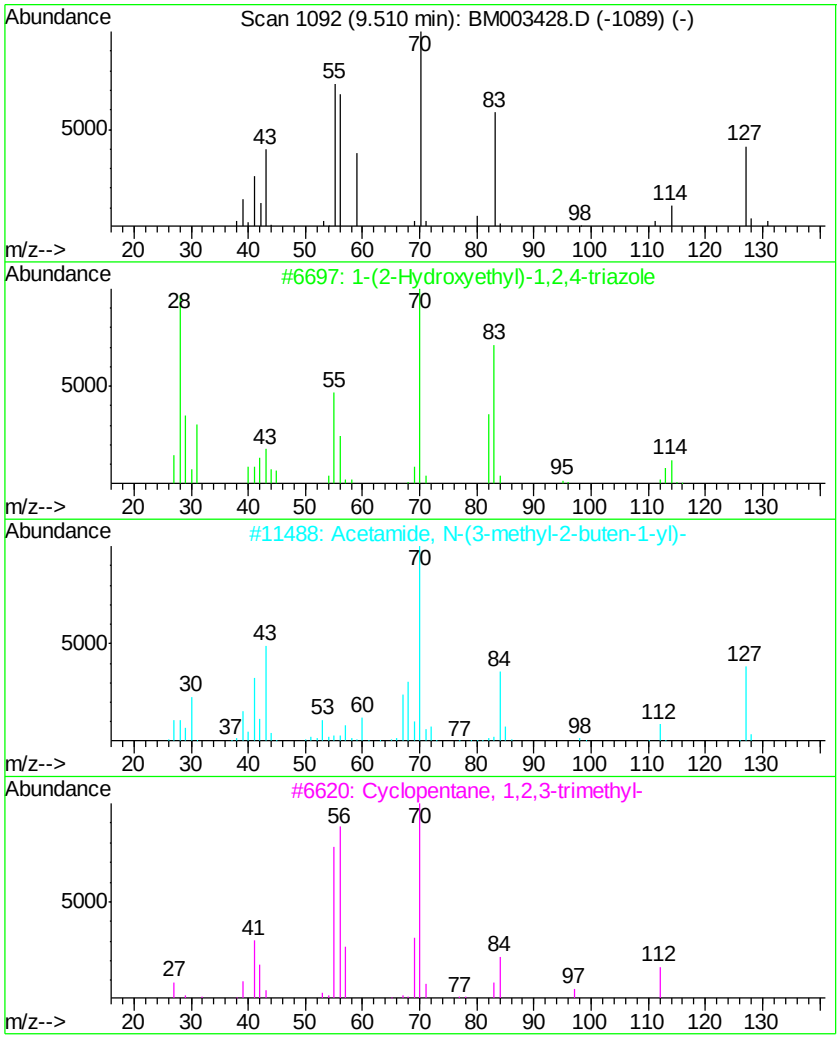
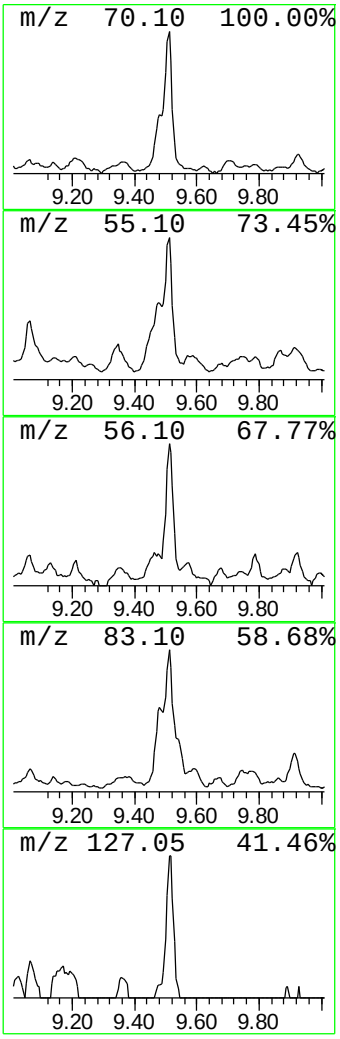
Peak Number 14 unknown9.51 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	5.64 ng	175714	Naphthalene-d8	10.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(2-Hydroxyethyl)-1,2,4-triazole	113	C4H7N3O	003273-14-1	25
2	Acetamide, N-(3-methyl-2-buten-1...	127	C7H13NO	073286-69-8	25
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	25
4	Hexahydro-2(1H)-azocinone	127	C7H13NO	000673-66-5	9
5	Methyl vinyl ketone	70	C4H6O	000078-94-4	9





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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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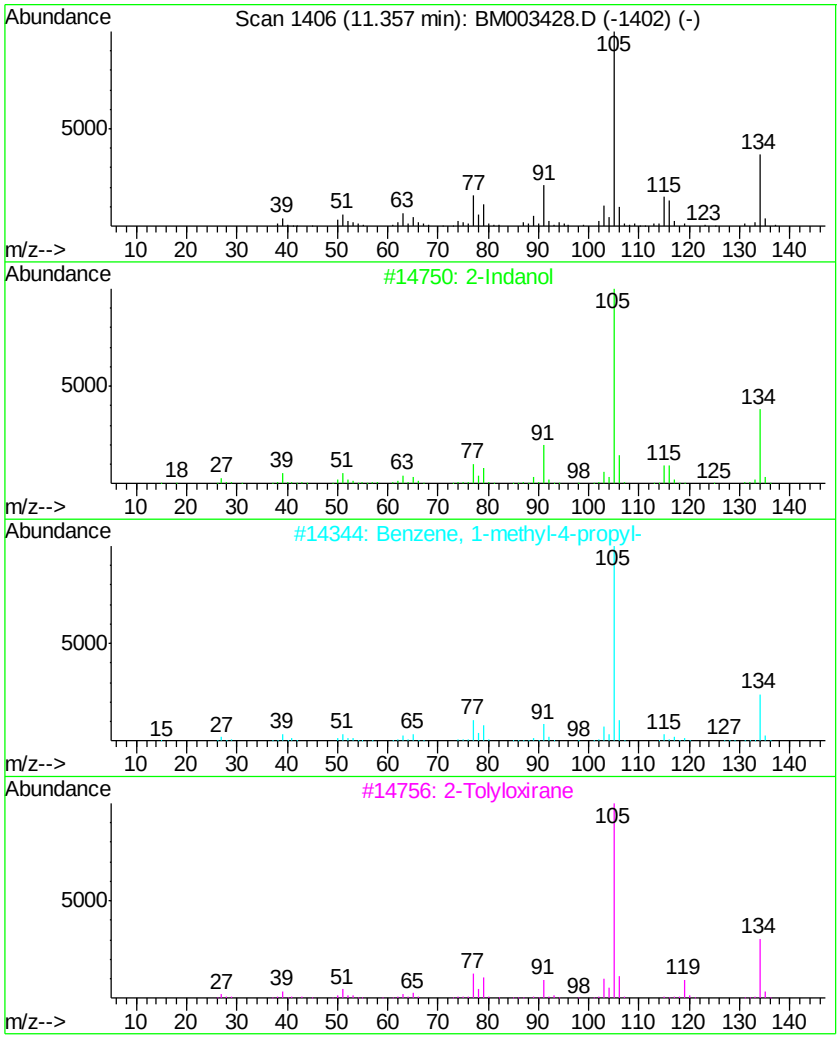
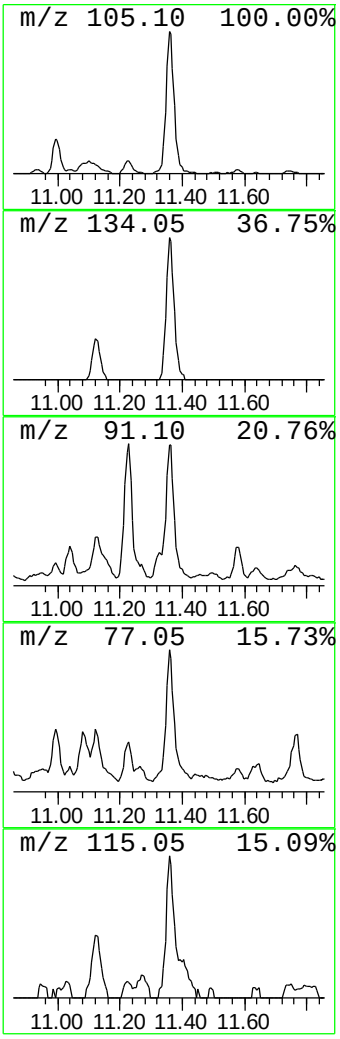
Peak Number 15 2-Indanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	9.30 ng	289972	Naphthalene-d8	10.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Indanol	134	C9H10O	004254-29-9	87
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	70
3	2-Tolyloxirane	134	C9H10O	002783-26-8	62
4	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	58
5	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	52





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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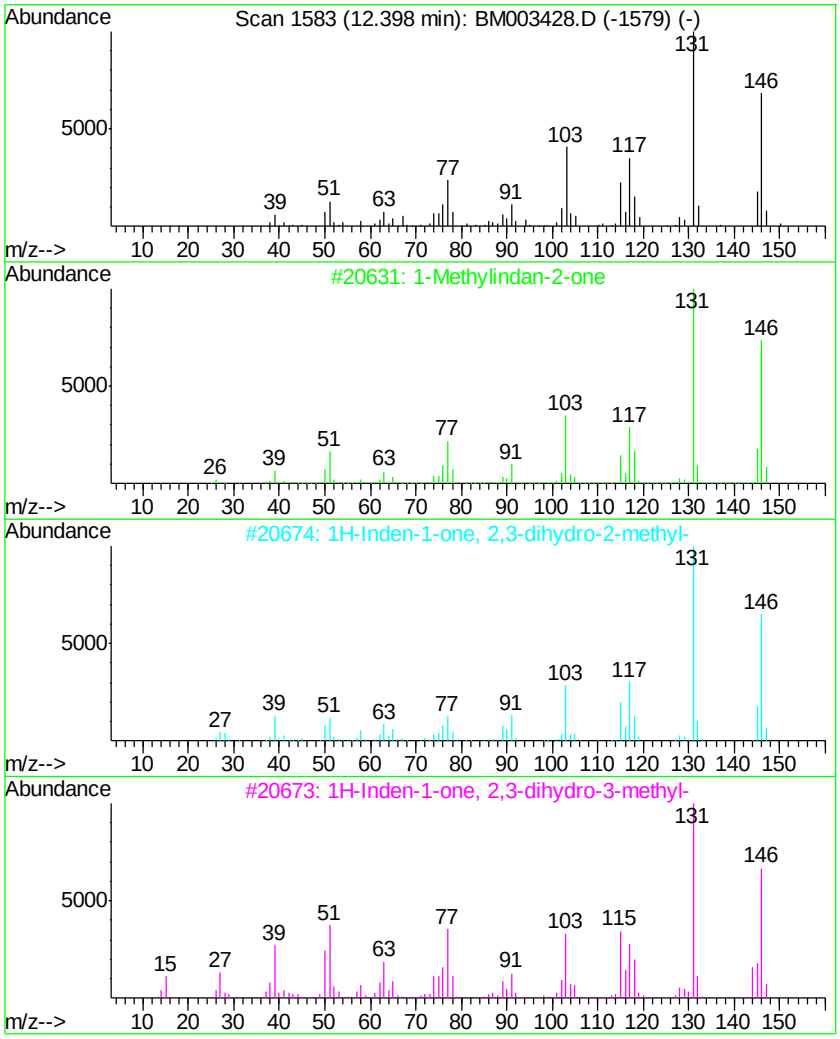
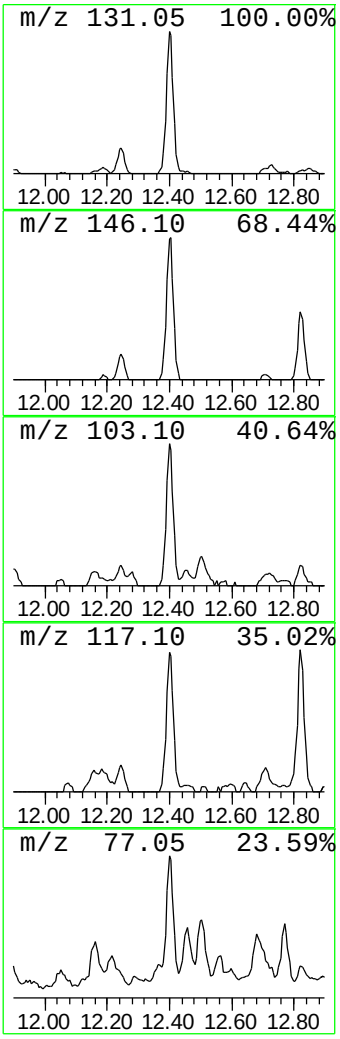
Peak Number 16 1-Methylindan-2-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	6.43 ng	200455	Naphthalene-d8	10.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylindan-2-one	146	C10H10O	035587-60-1	97
2	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	87
3	1H-Inden-1-one, 2,3-dihydro-3-me...	146	C10H10O	006072-57-7	83
4	.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	53
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	52





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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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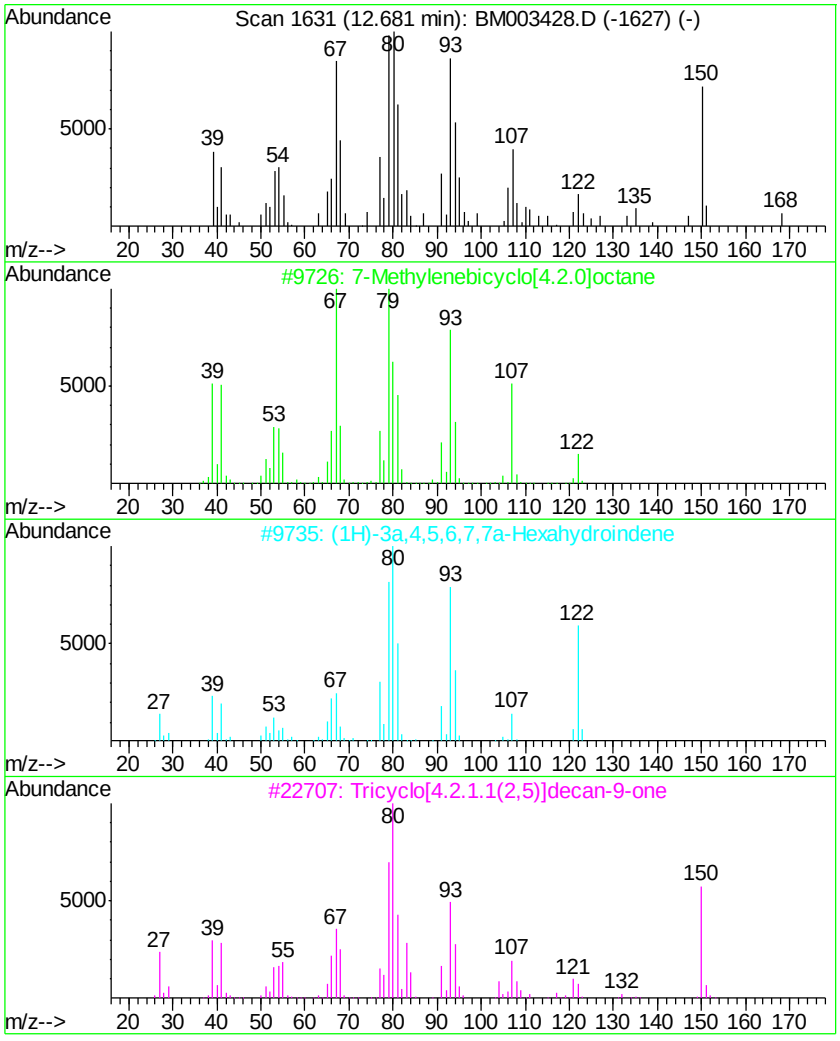
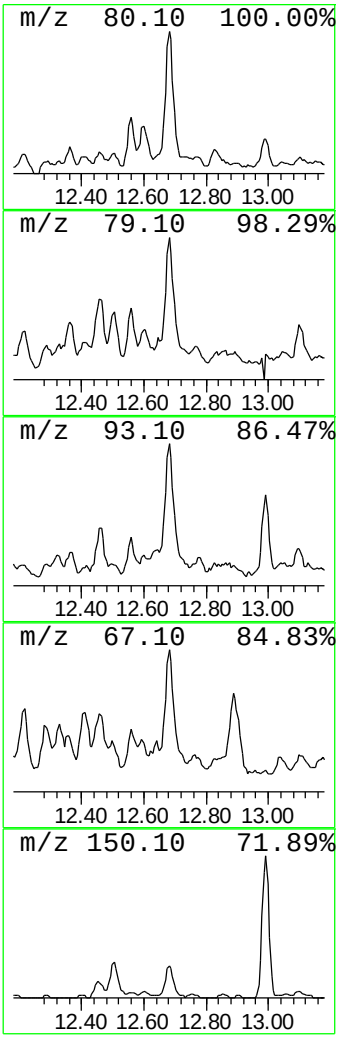
Peak Number 17 7-Methylenebicyclo[4.2.0]oc... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	5.62 ng	215755	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylenebicyclo[4.2.0]octane	122	C9H14	1000211-11-2	89
2	(1H)-3a,4,5,6,7,7a-Hexahydroindene	122	C9H14	1000196-59-5	64
3	Tricyclo[4.2.1.1(2,5)]decan-9-one	150	C10H14O	067009-90-9	64
4	Tricyclo[4.2.2.0(1,5)]decan-4-one	150	C10H14O	092144-38-2	62
5	4,7-Methano-5H-inden-5-one, octa...	150	C10H14O	013380-94-4	58





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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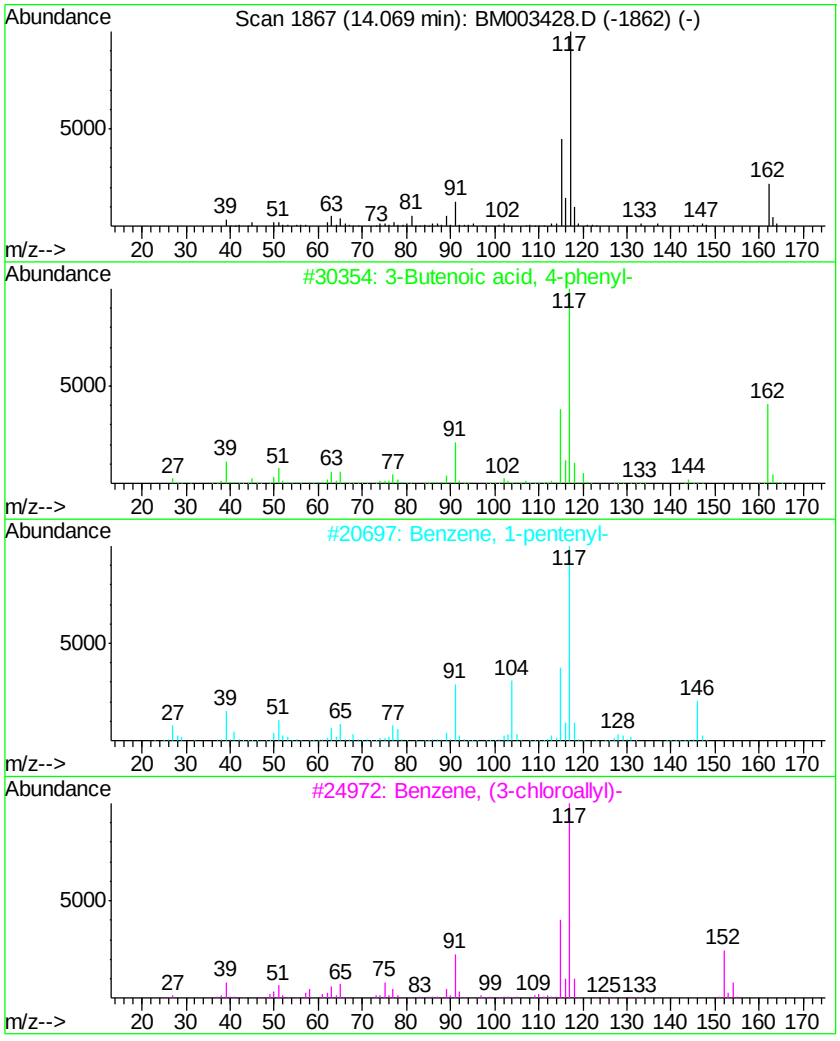
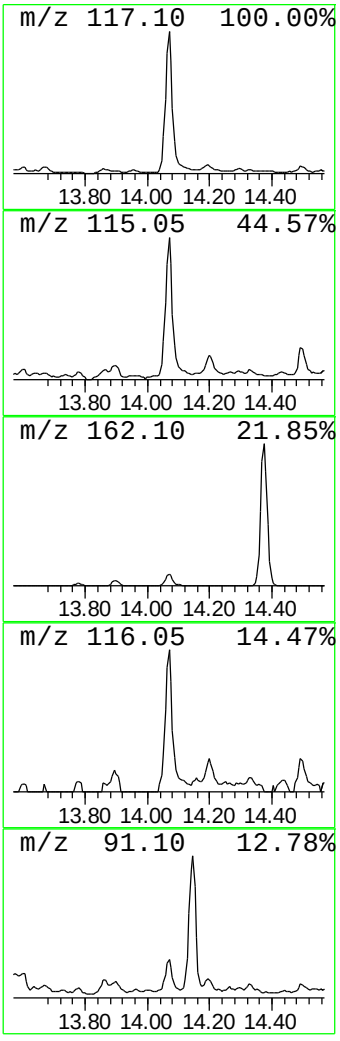
Peak Number 18 3-Butenoic acid, 4-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	4.89 ng	187887	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	83
2	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	64
3	Benzene, (3-chloroallyl)-	152	C9H9Cl	006268-37-7	59
4	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	59
5	trans-2-Phenyl-1-cyclopropanecar...	162	C10H10O2	000939-90-2	56





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003428.D
Acq On : 10 Dec 2015 00:30
Operator : UM/IZ
Sample : G4696-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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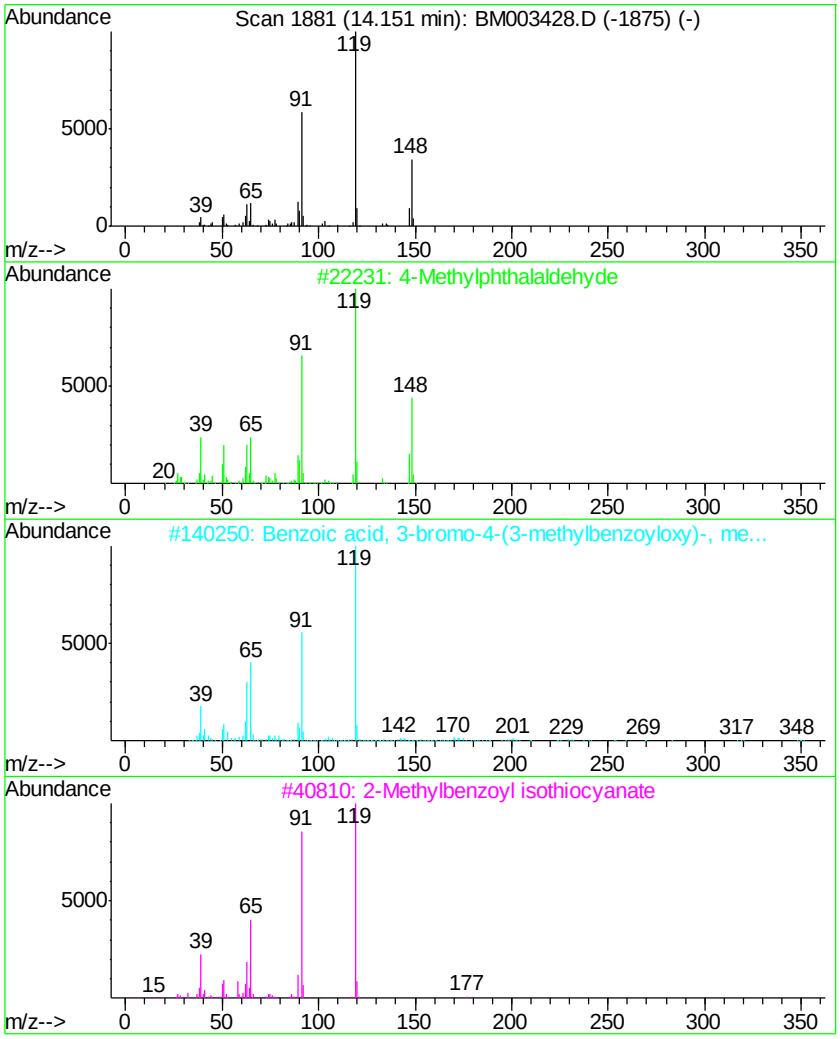
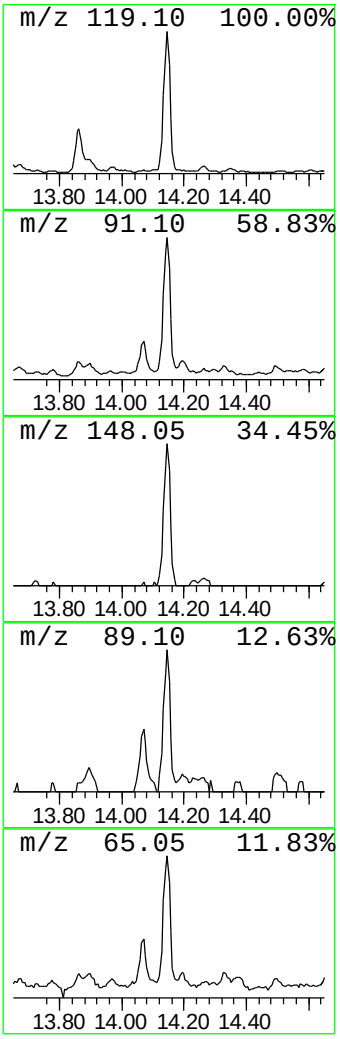
Peak Number 19 4-Methylphthalaldehyde Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	5.04 ng	193716	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylphthalaldehyde	148	C9H8O2	015158-36-8	91
2	Benzoic acid, 3-bromo-4-(3-methy...	348	C16H13BrO4	1000260-21-4	64
3	2-Methylbenzoyl isothiocyanate	177	C9H7NOS	028115-85-7	59
4	p-Toluylic acid, 2-ethylcyclohex...	246	C16H22O2	1000293-34-1	59
5	5-(4-Nitrobenzylidene)-3-(m-tolu...	384	C18H12N2O4S2	1000223-28-5	59





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003428.D
Acq On : 10 Dec 2015 00:30
Operator : UM/IZ
Sample : G4696-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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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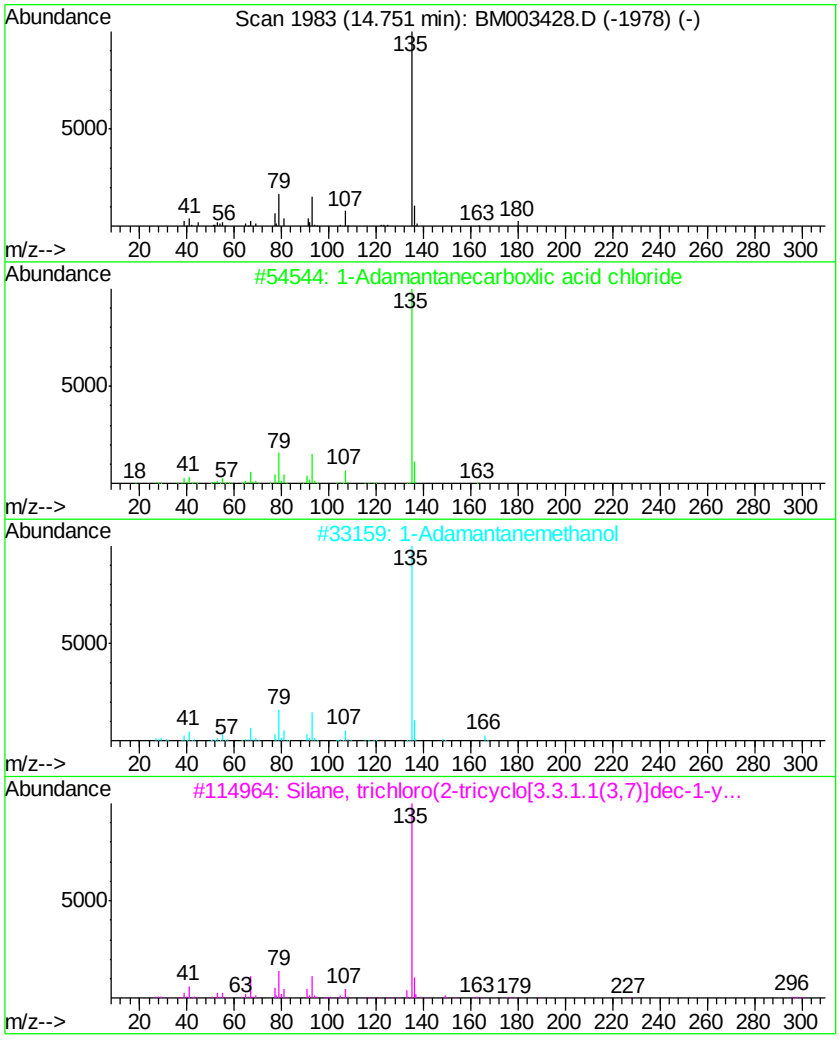
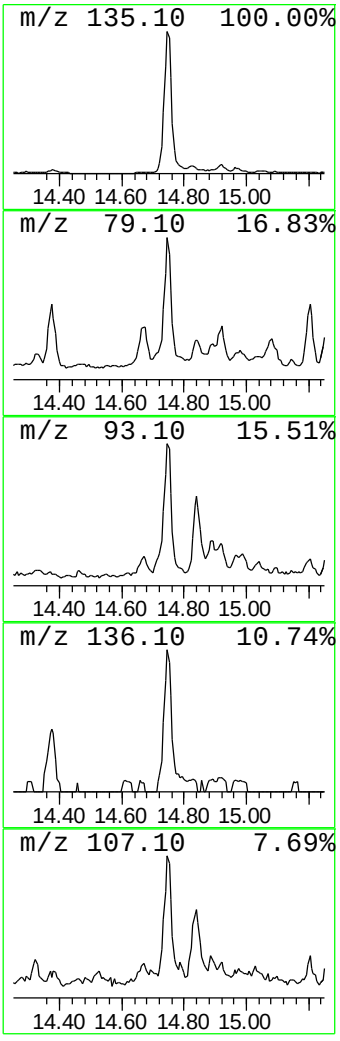
Peak Number 20 1-Adamantanecarboxlic acid ... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	4.61 ng	176960	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Adamantanecarboxlic acid chloride	198	C11H15ClO	002094-72-6	83
2	1-Adamantanemethanol	166	C11H18O	000770-71-8	83
3	Silane, trichloro(2-tricyclo[3.3...	296	C12H19Cl3Si	037843-11-1	83
4	1-Ethyladamantane	164	C12H20	000770-69-4	83
5	Adamantane-1-carboxylic acid	180	C11H16O2	000828-51-3	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003428.D
Acq On : 10 Dec 2015 00:30
Operator : UM/IZ
Sample : G4696-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GMW-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.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
3-Pentanone, 2,2-...	4.26	5.5	ng	137726	1	7.72	500792	20.0
2-Pentanone, 4-hy...	4.84	4.9	ng	123102	1	7.72	500792	20.0
(R)-(+)-3-Methylc...	5.03	5.8	ng	145271	1	7.72	500792	20.0
trans-3,4-Dimethy...	6.00	6.3	ng	157938	1	7.72	500792	20.0
3,4-Dimethylcyclo...	6.47	8.7	ng	217064	1	7.72	500792	20.0
Furazan-3-carboxa...	6.99	9.2	ng	229361	1	7.72	500792	20.0
unknown7.18	7.18	15.2	ng	381271	1	7.72	500792	20.0
unknown7.26	7.26	69.0	ng	1728530	1	7.72	500792	20.0
unknown8.00	8.00	8.0	ng	200099	1	7.72	500792	20.0
unknown8.83	8.83	54.0	ng	1351520	1	7.72	500792	20.0
Cyclopentanone, 2...	9.06	5.3	ng	132144	1	7.72	500792	20.0
unknown9.45	9.45	8.6	ng	267786	2	10.52	623381	20.0
unknown9.51	9.51	5.6	ng	175714	2	10.52	623381	20.0
2-Indanol	11.36	9.3	ng	289972	2	10.52	623381	20.0
1-Methylindan-2-one	12.40	6.4	ng	200455	2	10.52	623381	20.0
7-Methylenebicycl...	12.68	5.6	ng	215755	3	14.37	768414	20.0
3-Butenoic acid, ...	14.07	4.9	ng	187887	3	14.37	768414	20.0
4-Methylphthalald...	14.15	5.0	ng	193716	3	14.37	768414	20.0
1-Adamantanecarbo...	14.75	4.6	ng	176960	3	14.37	768414	20.0