LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010417\
Data File : BF092093.D
Acq On : 5 Jan 2017 2:55
Operator : UM/SJ
Sample : I1004-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

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-BF122116.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	4.093	191	193	195	rBV	44169	66357	1.07%	0.086%
2	4.139	195	197	204	rVB2	48932	104452	1.68%	0.136%
3	4.264	204	208	212	rBV	59403	92787	1.49%	0.120%
4	4.573	230	235	238	rBV3	42067	116326	1.87%	0.151%
5	4.790	252	254	258	rBV	569390	915819	14.71%	1.189%
6	5.133	281	284	287	rBV2	41091	65546	1.05%	0.085%
7	5.259	293	295	298	rBV	2867316	2903690	46.63%	3.770%
8	5.384	304	306	307	rBV	64305	91618	1.47%	0.119%
9	5.407	307	308	312	rVB	115273	111561	1.79%	0.145%
10	5.476	312	314	317	rBV4	63015	129801	2.08%	0.169%
11	5.544	319	320	324	rVB	76800	84256	1.35%	0.109%
12	5.636	326	328	330	rVV2	90607	122020	1.96%	0.158%
13	5.682	330	332	336	rVB	289404	314321	5.05%	0.408%
14	5.853	343	347	348	rBV2	55839	100005	1.61%	0.130%
15	5.979	355	358	361	rBV	166780	193466	3.11%	0.251%
16	6.082	364	367	369	rVB2	65071	111934	1.80%	0.145%
17	6.173	372	375	377	rBV	167553	242833	3.90%	0.315%
18	6.287	381	385	386	rBV	365608	469732	7.54%	0.610%
19	6.322	386	388	395	rVB	2023899	2244990	36.06%	2.915%
20	6.436	395	398	400	rBV	4659876	4803132	77.14%	6.236%
21	6.505	401	404	406	rVB3	55143	90329	1.45%	0.117%
22	6.539	406	407	410	rVB2	81757	91698	1.47%	0.119%
23	6.585	410	411	412	rBV	111802	105134	1.69%	0.137%
24	6.630	412	415	416	rVV2	98567	181825	2.92%	0.236%
25	6.653	416	417	422	rVV	1033396	1618421	25.99%	2.101%
26	6.745	424	425	429	rVB2	82306	63864	1.03%	0.083%
27	6.813	429	431	435	rBV2	3894149	5539129	88.96%	7.192%
28	6.870	435	436	438	rVV	357903	314233	5.05%	0.408%
29	6.916	438	440	444	rVB	342540	364484	5.85%	0.473%
30	7.007	444	448	450	rBV2	446398	599111	9.62%	0.778%
31	7.053	450	452	457	rVB6	41222	88168	1.42%	0.114%
32	7.133	457	459	461	rVB	92596	124215	1.99%	0.161%
33	7.179	461	463	464	rBV	389672	467944	7.52%	0.608%
34	7.236	464	468	470	rVV	3883797	4980306	79.99%	6.466%

LSC Area Percent Report

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Data File : BF092093.D
Acq On : 5 Jan 2017 2:55
Operator : UM/SJ
Sample : I1004-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

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-BF122116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.316	472	475	476	rVV2	226826	307752	4.94%	0.400%
36	7.362	476	479	480	rVB2	193177	312770	5.02%	0.406%
37	7.385	480	481	483	rBV	157222	158757	2.55%	0.206%
38	7.442	483	486	489	rVV2	643683	937600	15.06%	1.217%
39	7.510	489	492	494	rVV3	105307	191082	3.07%	0.248%
40	7.556	494	496	498	rVV3	179924	323679	5.20%	0.420%
41	7.602	498	500	505	rVV3	328008	818580	13.15%	1.063%
42	7.693	505	508	510	rVV2	1301951	2042991	32.81%	2.653%
43	7.727	510	511	512	rVV	179703	153827	2.47%	0.200%
44	7.785	512	516	518	rVV2	910190	1381735	22.19%	1.794%
45	7.842	518	521	523	rVV2	401987	556711	8.94%	0.723%
46	7.887	523	525	528	rVV3	162908	308672	4.96%	0.401%
47	7.945	528	530	533	rVV	2180240	3310672	53.17%	4.299%
48	8.002	533	535	536	rVV	721848	828017	13.30%	1.075%
49	8.082	540	542	543	rVV	204895	187737	3.02%	0.244%
50	8.150	543	548	550	rVV3	213901	638458	10.25%	0.829%
51	8.196	550	552	553	rVV	947843	965450	15.51%	1.254%
52	8.230	553	555	558	rVV4	198635	444509	7.14%	0.577%
53	8.333	558	564	567	rVV6	348138	1045863	16.80%	1.358%
54	8.413	567	571	573	rVV3	277157	717607	11.53%	0.932%
55	8.459	573	575	577	rVV	336284	494267	7.94%	0.642%
56	8.516	578	580	581	rVV	209119	245509	3.94%	0.319%
57	8.550	581	583	584	rVV2	243528	287679	4.62%	0.374%
58	8.608	584	588	589	rVV2	650138	948350	15.23%	1.231%
59	8.642	589	591	593	rVB2	450436	524117	8.42%	0.681%
60	8.688	593	595	596	rBV	62750	78570	1.26%	0.102%
61	8.722	596	598	600	rVV2	372769	715091	11.48%	0.928%
62	8.756	600	601	604	rVV3	601473	773375	12.42%	1.004%
63	8.848	606	609	611	rVV3	87884	176863	2.84%	0.230%
64	8.893	611	613	616	rVV3	236944	398857	6.41%	0.518%
65	8.985	618	621	622	rVV2	229184	374201	6.01%	0.486%
66	9.030	622	625	626	rVV	5697229	6226506	100.00%	8.084%
67	9.076	626	629	630	rVB2	313187	467533	7.51%	0.607%
68	9.145	630	635	636	rBV5	141405	292189	4.69%	0.379%
69	9.168	636	637	640	rBV3	53833	107559	1.73%	0.140%
70	9.282	645	647	649	rVV2	140018	288343	4.63%	0.374%
71	9.362	649	654	656	rVV4	254184	756916	12.16%	0.983%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010417\
Data File : BF092093.D
Acq On : 5 Jan 2017 2:55
Operator : UM/SJ
Sample : I1004-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

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-BF122116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.431	658	660	661	rVV2	147676	206797	3.32%	0.269%
73	9.465	661	663	668	rVV4	364163	709887	11.40%	0.922%
74	9.533	668	669	673	rVB4	175461	335325	5.39%	0.435%
75	9.613	673	676	679	rBV5	57621	137962	2.22%	0.179%
76	9.693	681	683	685	rVB	1903815	1728302	27.76%	2.244%
77	9.933	702	704	706	rVB2	66974	87504	1.41%	0.114%
78	10.013	709	711	714	rVB3	99421	157570	2.53%	0.205%
79	10.082	714	717	719	rBV2	89082	137314	2.21%	0.178%
80	10.139	719	722	725	rVB4	180799	285574	4.59%	0.371%
81	10.368	740	742	744	rBV3	60838	86304	1.39%	0.112%
82	10.436	744	748	749	rVV	257489	423590	6.80%	0.550%
83	10.482	749	752	754	rVB2	2885323	3654654	58.70%	4.745%
84	10.608	761	763	767	rVB2	138678	202358	3.25%	0.263%
85	10.711	767	772	776	rVB7	37028	91119	1.46%	0.118%
86	11.054	800	802	804	rBV	94145	103004	1.65%	0.134%
87	11.168	810	812	815	rVB2	1317055	1518344	24.39%	1.971%
88	11.728	858	861	863	rBV	484670	739909	11.88%	0.961%
89	12.425	919	922	927	rBV5	22678	62324	1.00%	0.081%
90	12.505	927	929	931	rBV	647830	606614	9.74%	0.788%
91	12.597	935	937	940	rVB2	63489	68648	1.10%	0.089%
92	12.768	948	952	954	rBV	4459057	5973159	95.93%	7.755%
93	13.328	996	1001	1004	rBV2	90930	137897	2.21%	0.179%
94	13.659	1028	1030	1037	rBV	215243	244282	3.92%	0.317%
95	13.797	1040	1042	1045	rBV	1331447	1428498	22.94%	1.855%
96	15.168	1159	1162	1165	rBV	802455	1190011	19.11%	1.545%

Sum of corrected areas: 77018851

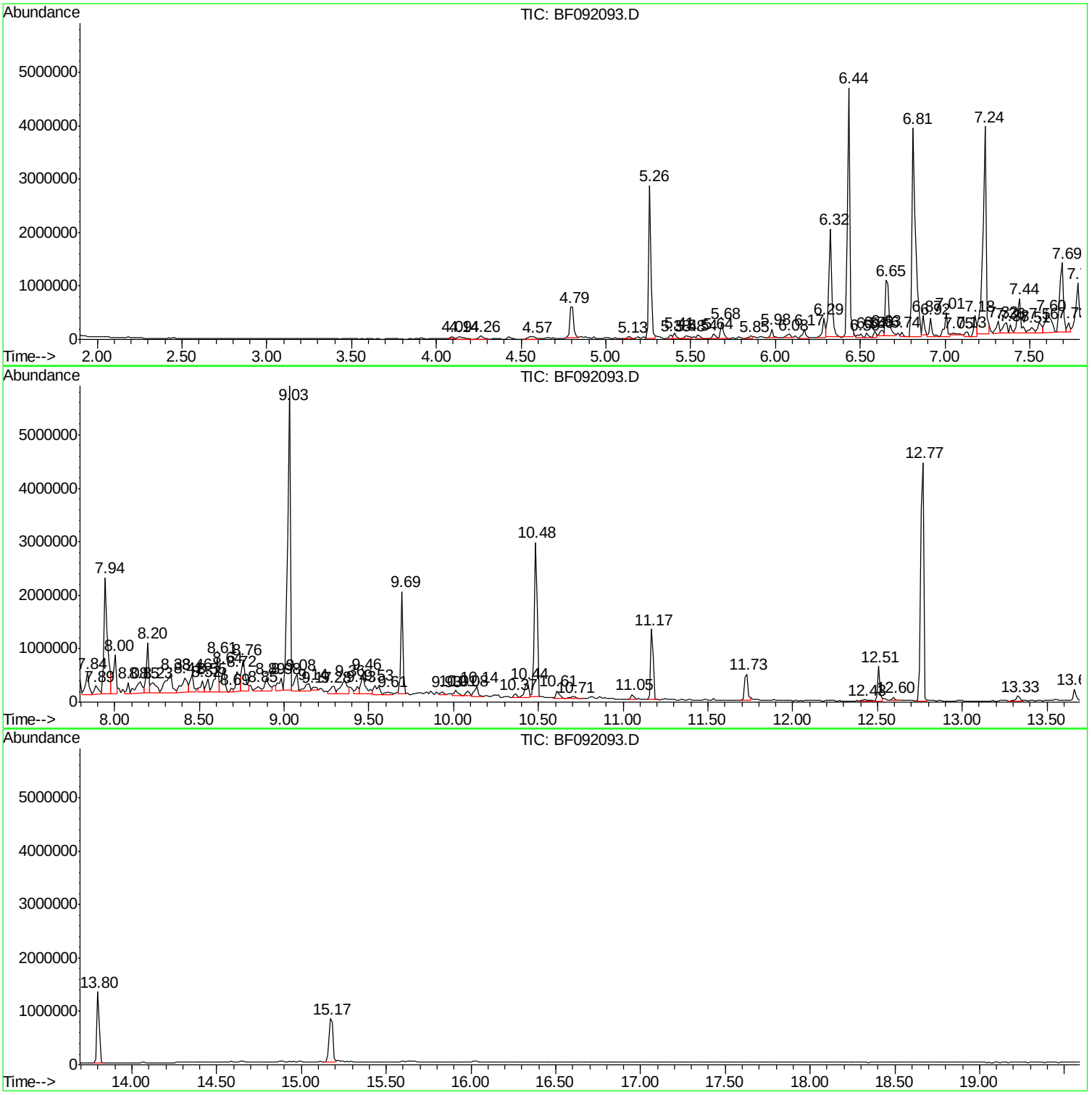
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010417\
Data File : BF092093.D
Acq On : 5 Jan 2017 2:55
Operator : UM/SJ
Sample : I1004-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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\BF010417\
Data File : BF092093.D
Acq On : 5 Jan 2017 2:55
Operator : UM/SJ
Sample : I1004-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

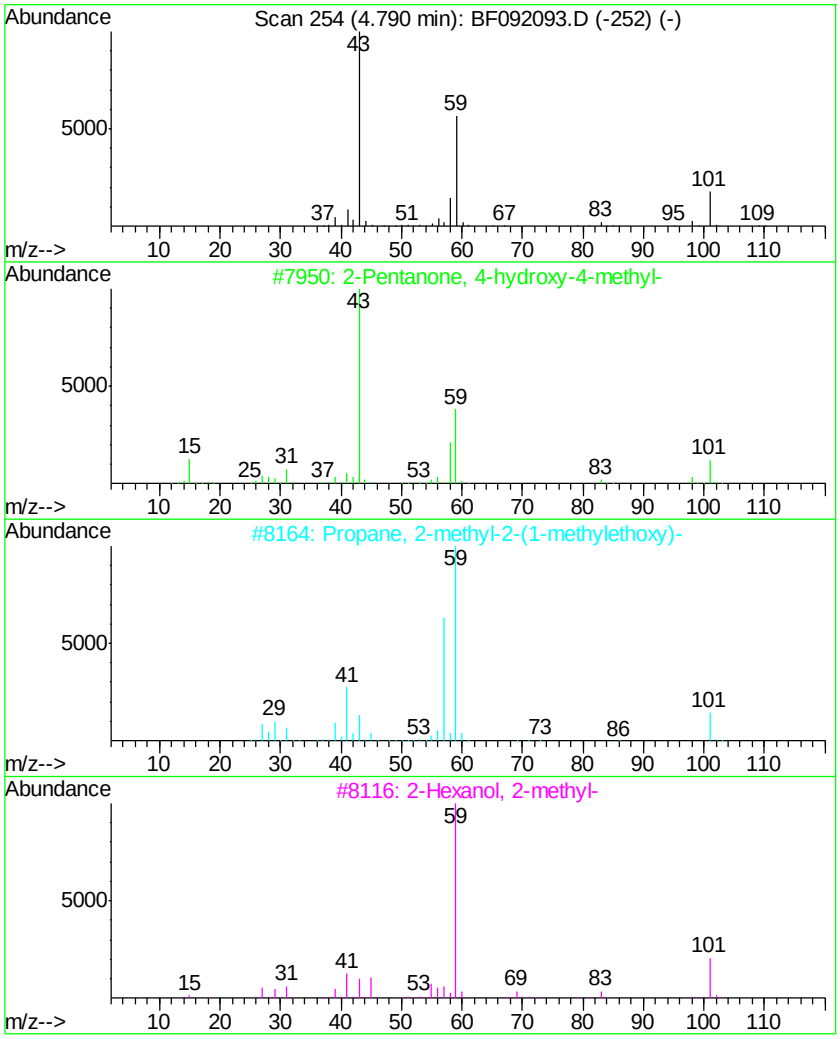
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

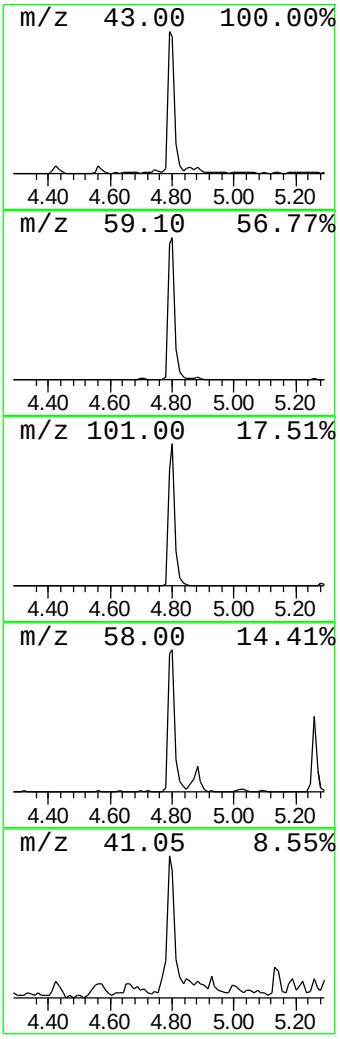
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.79	11.32 ng	915819	1,4-Dichlorobenzene-d4	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010417\
Data File : BF092093.D
Acq On : 5 Jan 2017 2:55
Operator : UM/SJ
Sample : I1004-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

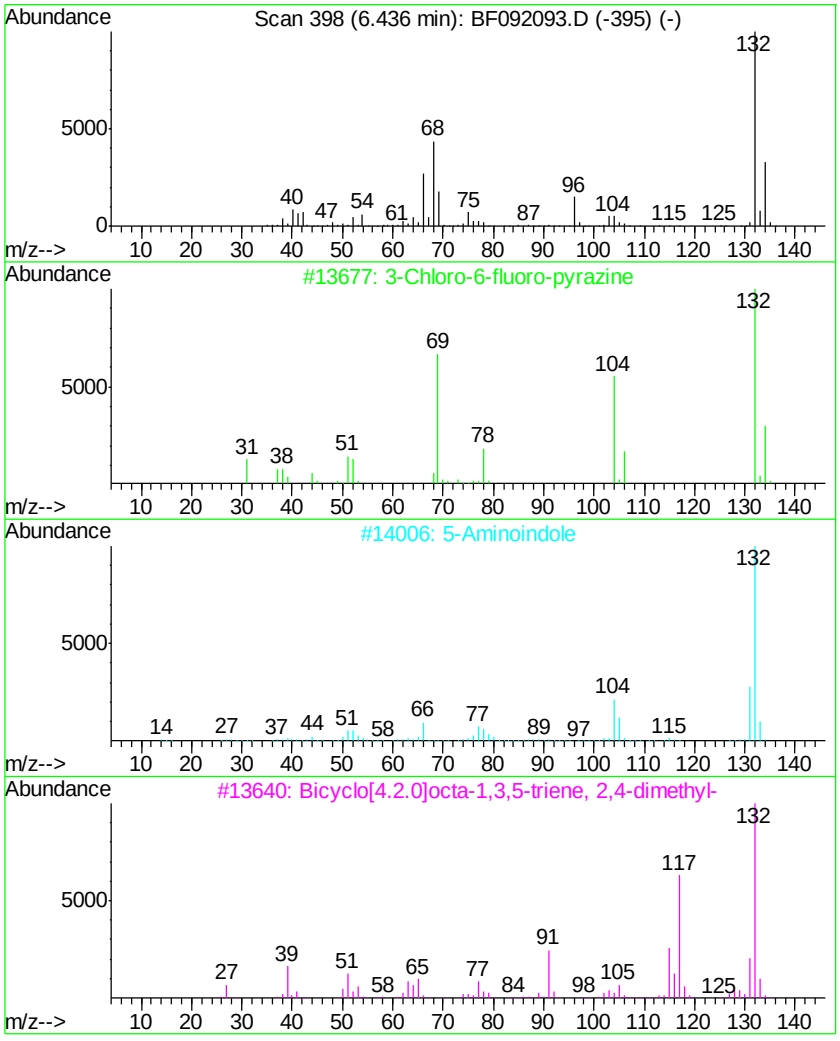
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

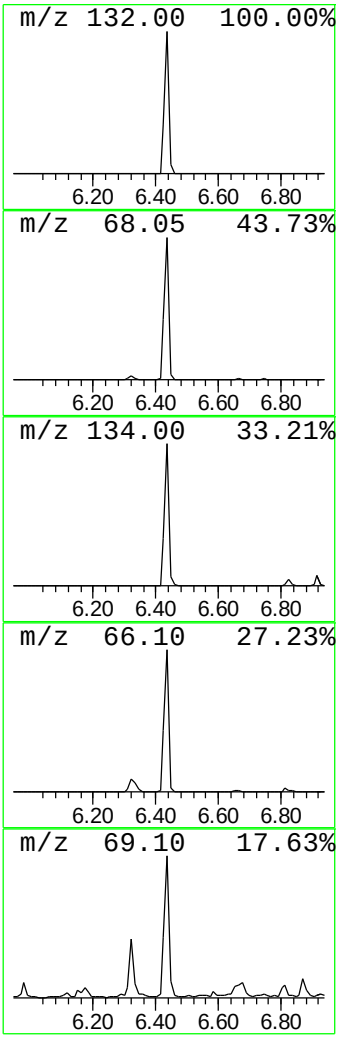
****

Peak Number 2 unknown6.44 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	59.36 ng	4803130	1,4-Dichlorobenzene-d4	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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Acq On : 5 Jan 2017 2:55
Operator : UM/SJ
Sample : I1004-17
Misc :
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Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

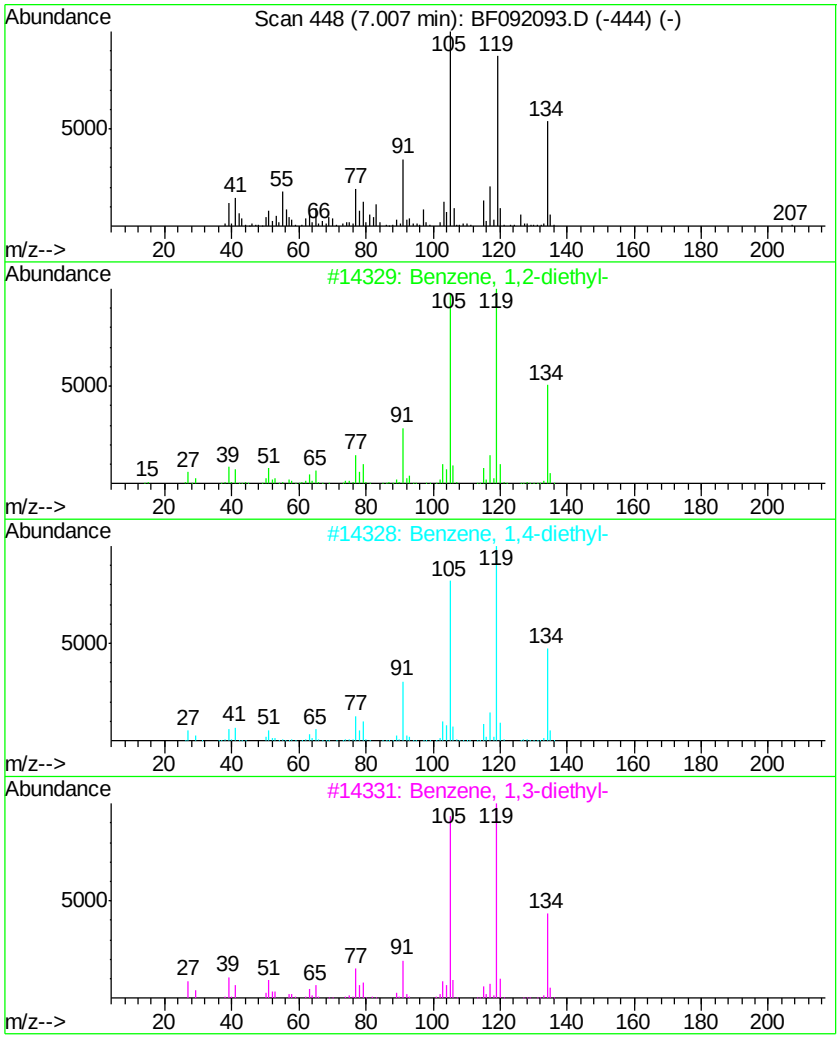
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

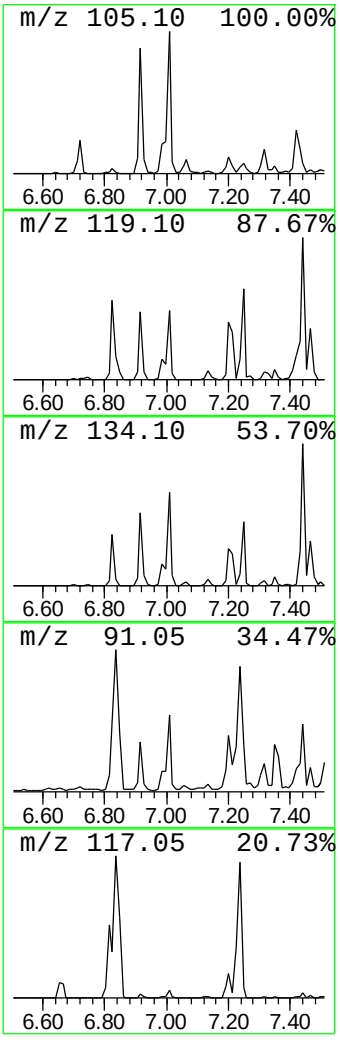
****

Peak Number 4 Benzene, 1,2-diethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.01	7.40 ng	599111	1,4-Dichlorobenzene-d4	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4	1,3,8-p-Menthatriene	134	C10H14	021195-59-5	81
5	Cyclobutene, bis(1-methylethylid...	134	C10H14	003642-14-6	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010417\
Data File : BF092093.D
Acq On : 5 Jan 2017 2:55
Operator : UM/SJ
Sample : I1004-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

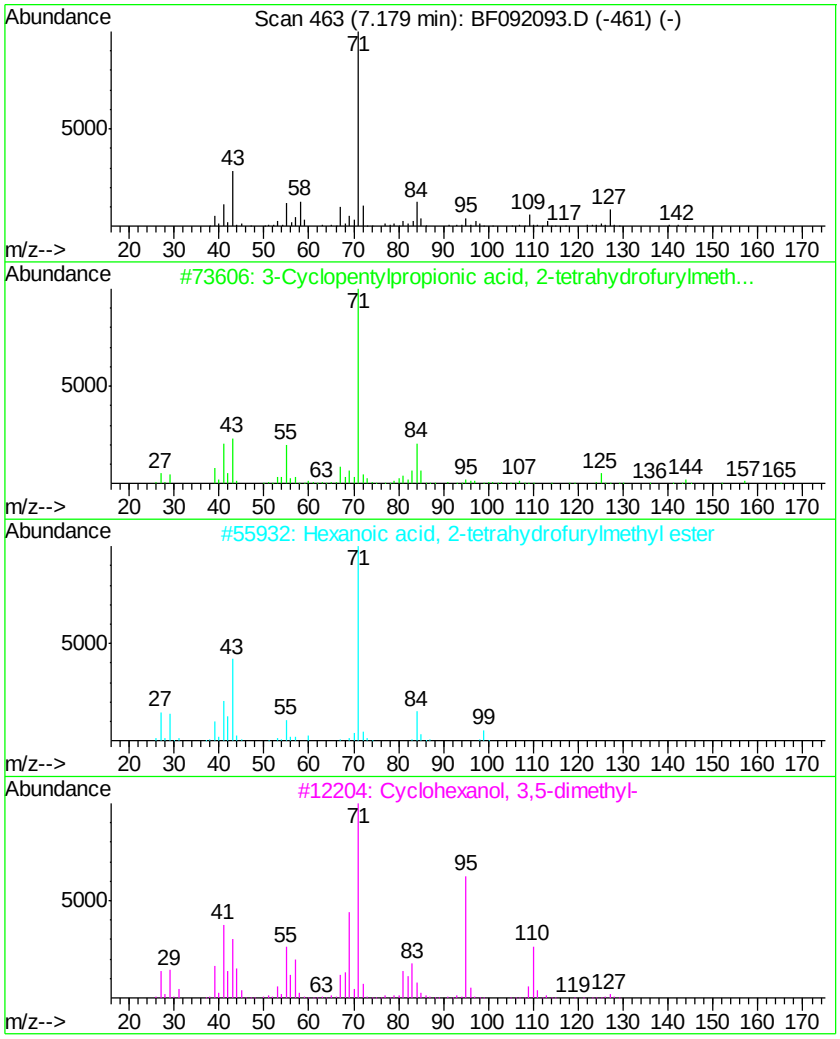
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

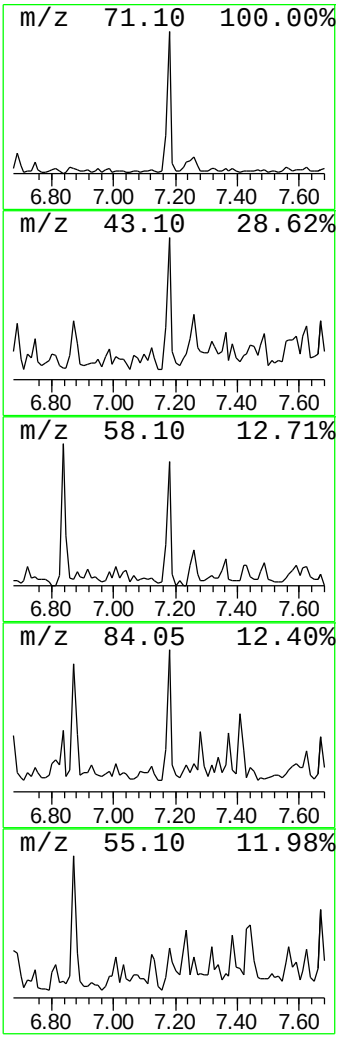
****

Peak Number 5 3-Cyclopentylpropionic acid... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	5.78 ng	467944	1,4-Dichlorobenzene-d4	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclopentylpropionic acid, 2-t...	226	C13H22O3	1000293-46-9	59
2	Hexanoic acid, 2-tetrahydrofuryl...	200	C11H20O3	002217-34-7	53
3	Cyclohexanol, 3,5-dimethyl-	128	C8H16O	005441-52-1	50
4	Furan, 2-butyltetrahydro-	128	C8H16O	001004-29-1	47
5	Octanoic acid, 2-tetrahydrofuryl...	228	C13H24O3	033601-75-1	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010417\
Data File : BF092093.D
Acq On : 5 Jan 2017 2:55
Operator : UM/SJ
Sample : I1004-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

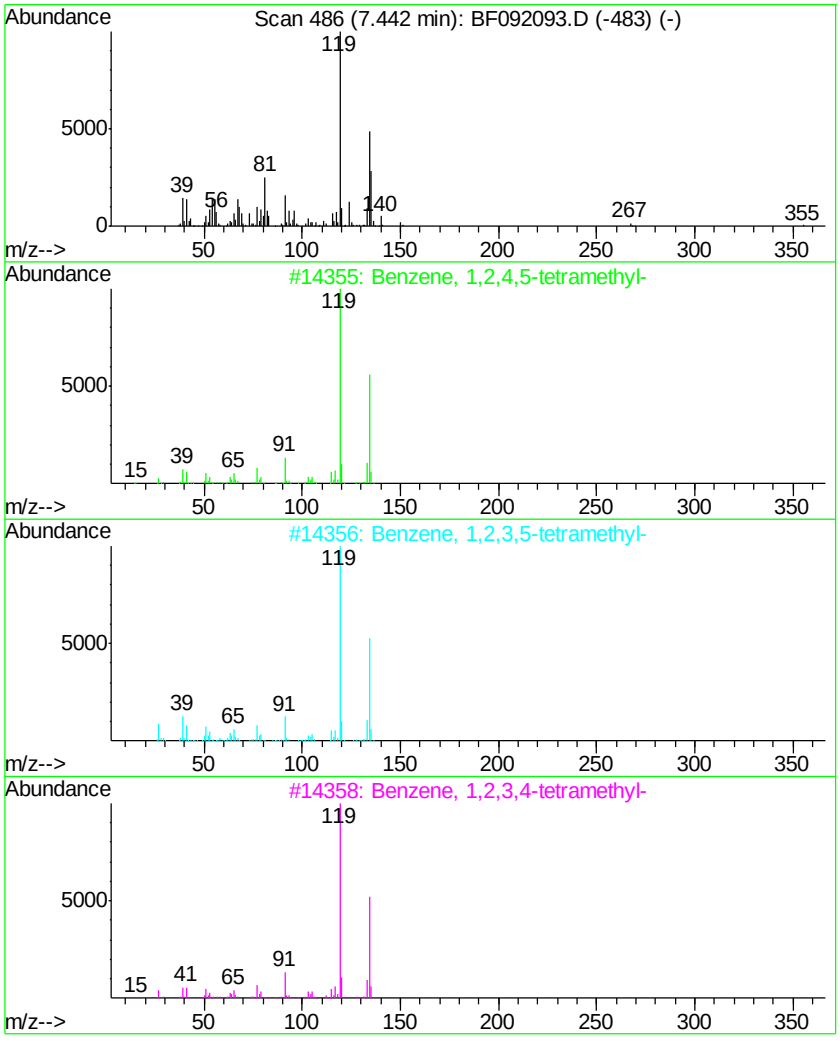
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

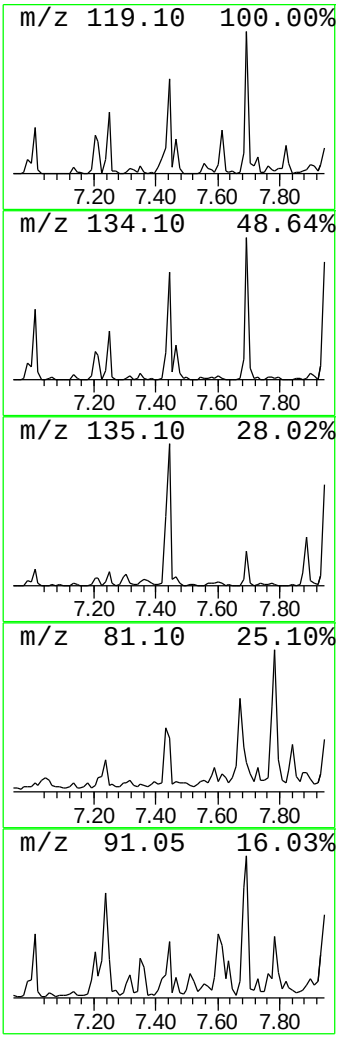
****

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	5.66 ng	937600	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010417\
Data File : BF092093.D
Acq On : 5 Jan 2017 2:55
Operator : UM/SJ
Sample : I1004-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

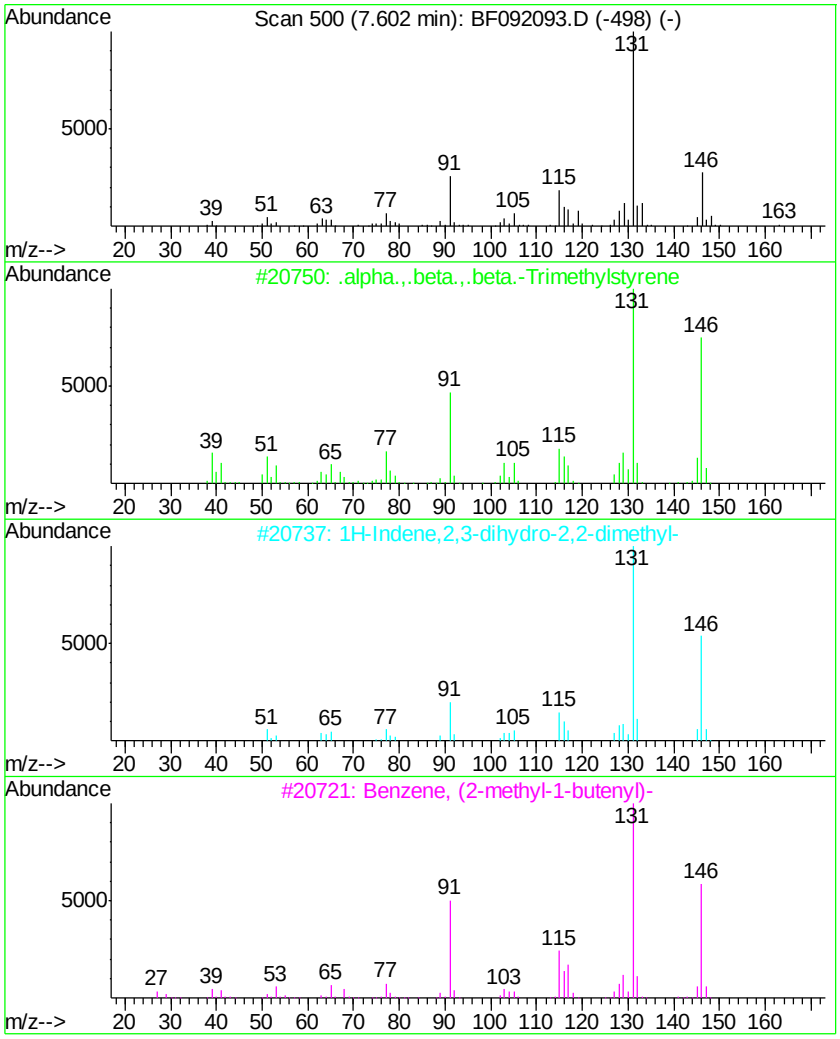
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

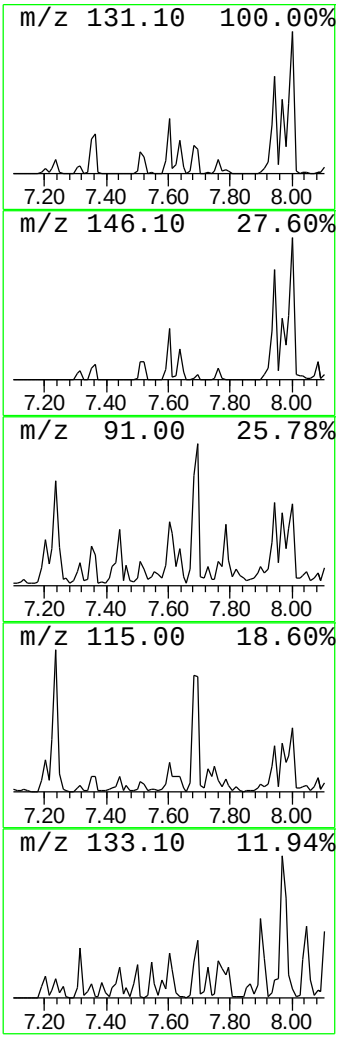
****

Peak Number 7 .alpha.,.beta.,.beta.-Trime... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	4.95 ng	818580	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	93
2	1H-Indene,2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	93
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90





Library Search Compound Report

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Operator : UM/SJ
Sample : I1004-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-06

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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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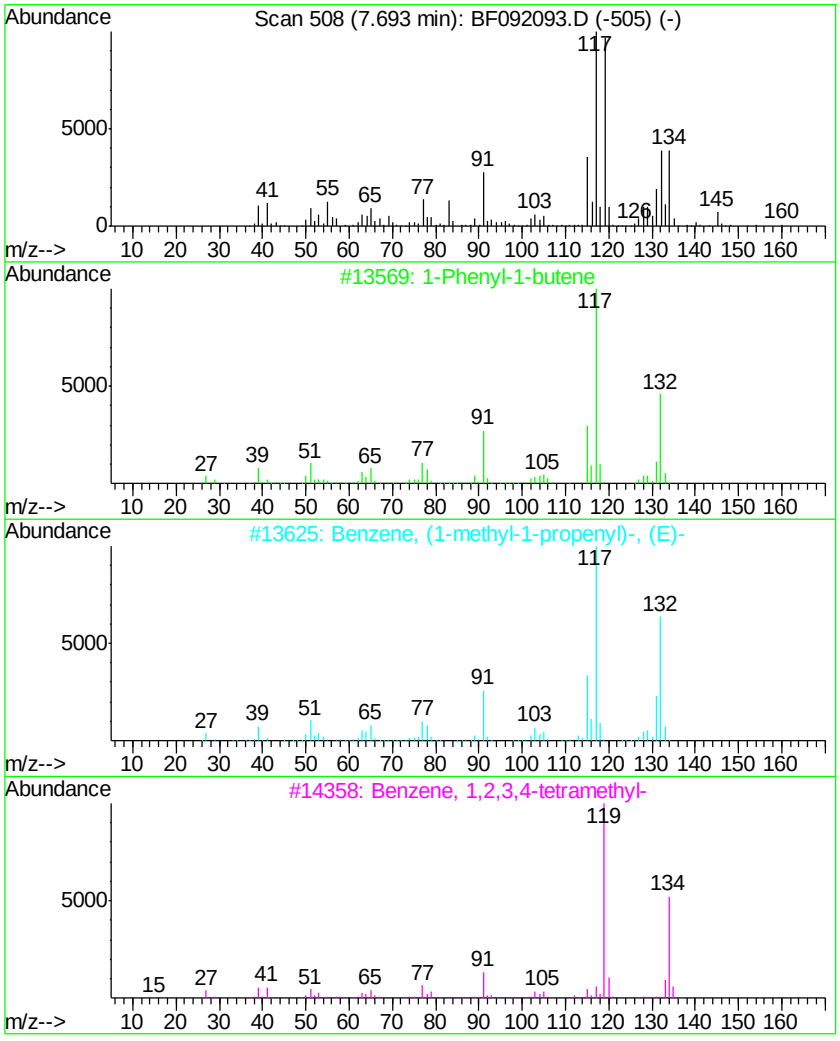
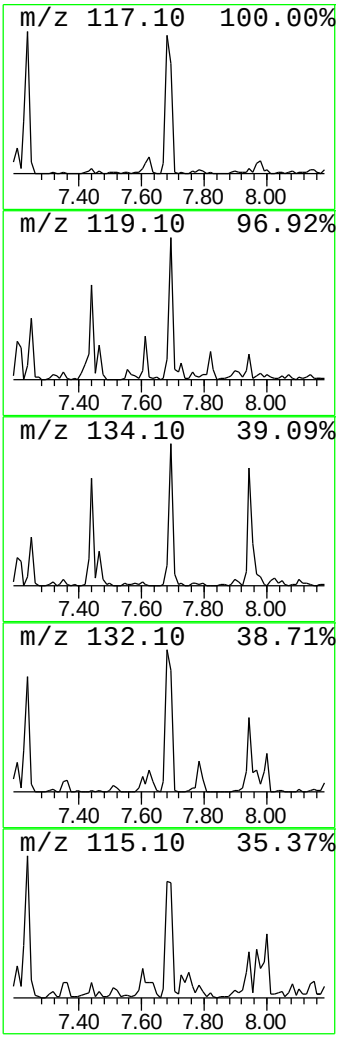
Peak Number 8 1-Phenyl-1-butene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	12.34 ng	2042990	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	50
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	50
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	46
4	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	46
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	46





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Instrument : BNA_F
ClientSampleId : MW-06

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TIC Library : C:\DATABASE\NIST02.L
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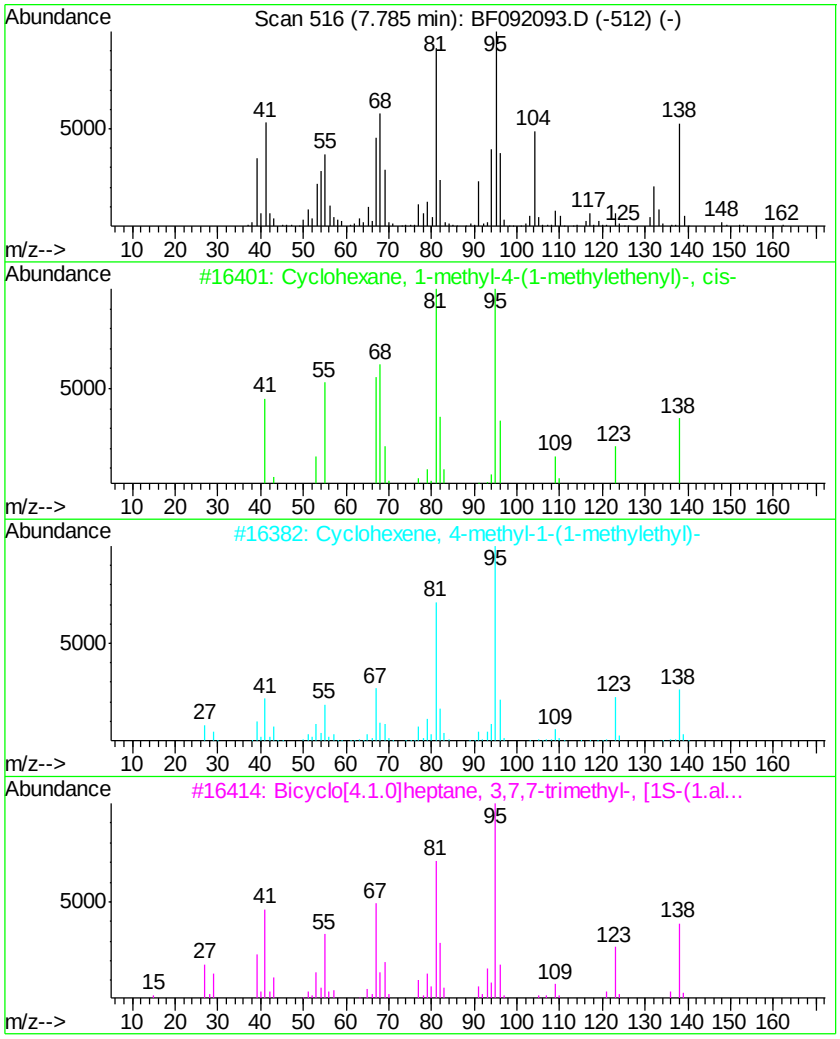
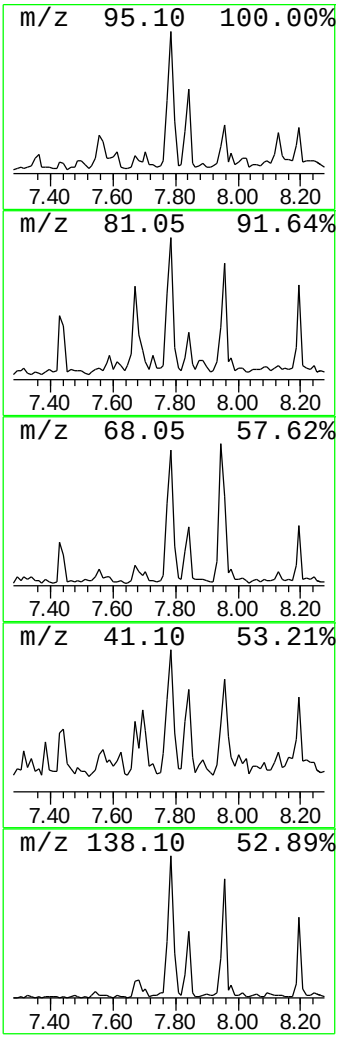
Peak Number 9 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	8.35 ng	1381740	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	70
2	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	64
3	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	49
4	O-Trifluoroacetyl-neoisomenthol	252	C12H19F3O2	002127-99-3	47
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46





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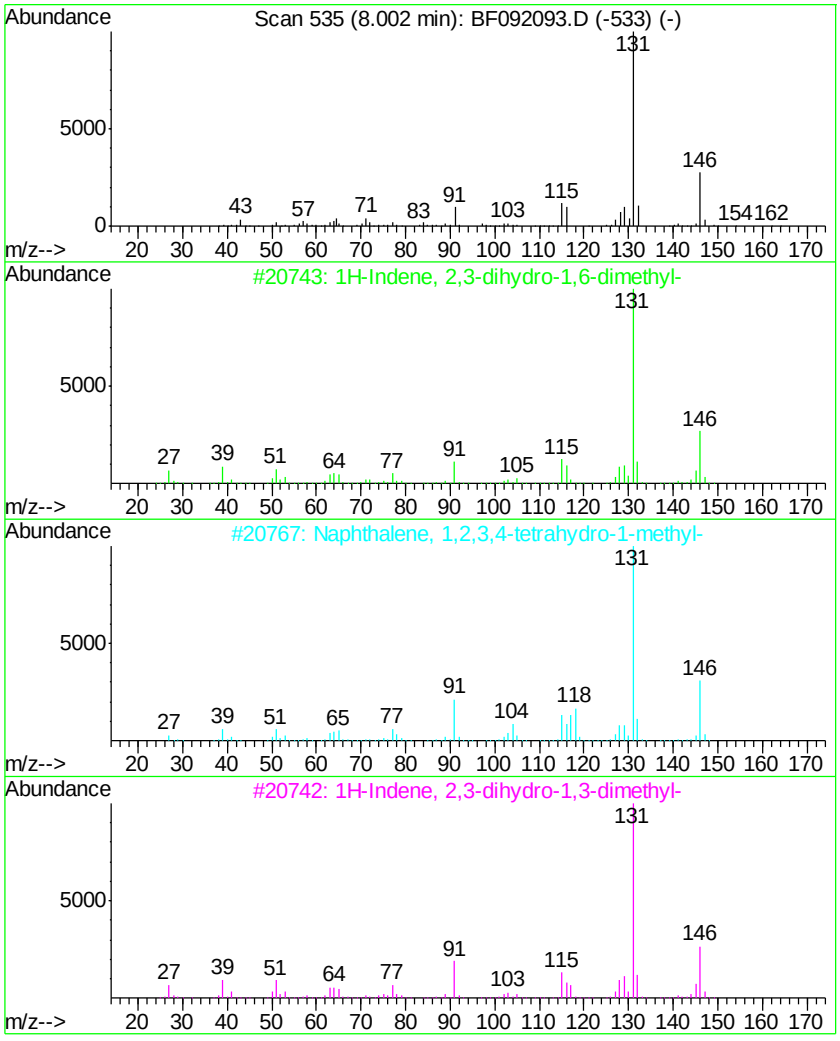
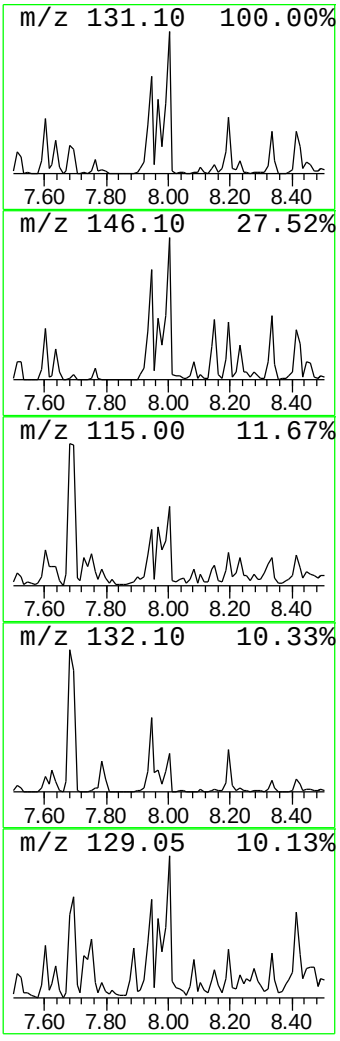
Peak Number 10 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	5.00 ng	828017	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	91





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

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TIC Library : C:\DATABASE\NIST02.L
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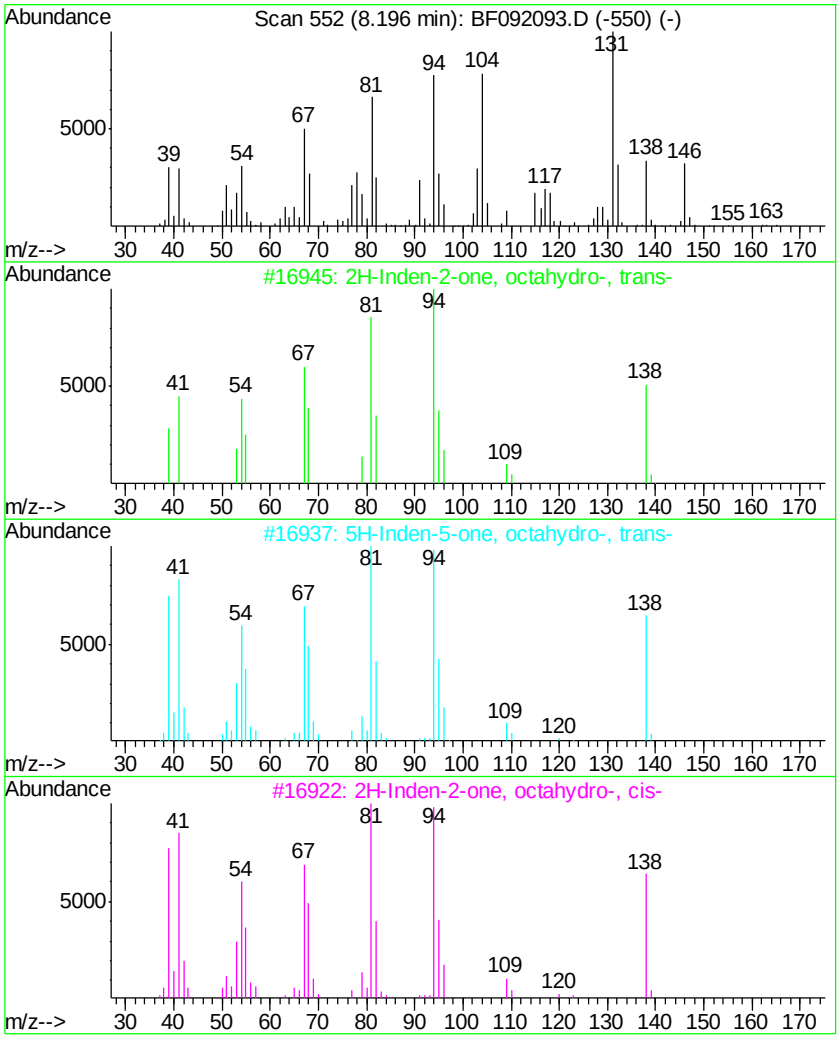
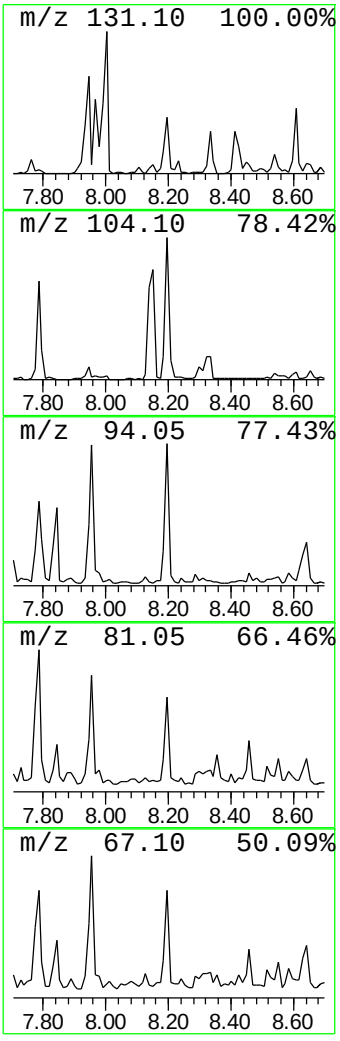
Peak Number 11 2H-Inden-2-one, octahydro-,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	5.83 ng	965450	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Inden-2-one, octahydro-, trans-	138	C9H14O	016484-17-6	93
2	5H-Inden-5-one, octahydro-, trans-	138	C9H14O	004668-81-9	93
3	2H-Inden-2-one, octahydro-, cis-	138	C9H14O	005689-04-3	59
4	2H-Inden-2-one, octahydro-	138	C9H14O	041894-93-3	56
5	Benzene, (2-methyl-1-methylenepr...	146	C11H14	017498-71-4	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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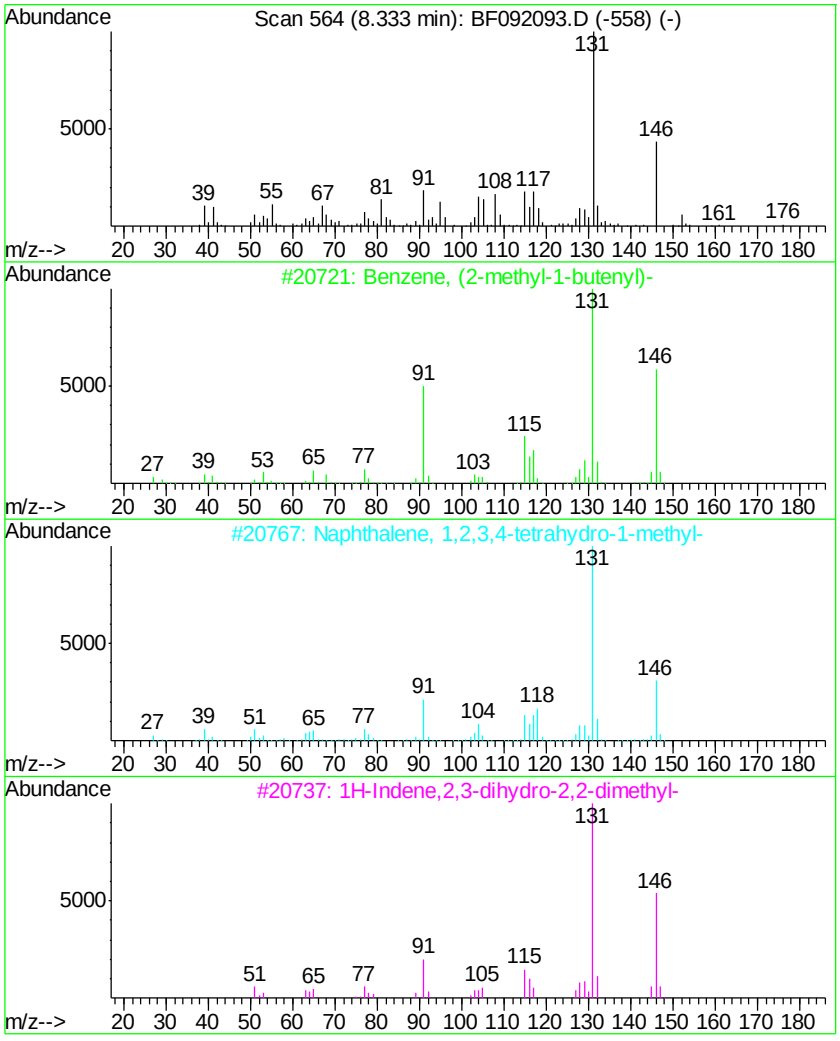
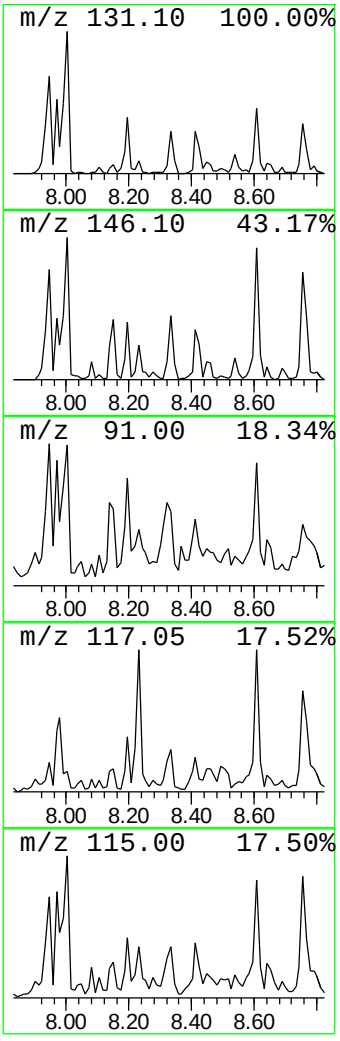
Peak Number 12 Benzene, (2-methyl-1-butenyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	6.32 ng	1045860	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	87
3	1H-Indene,2,3-dihydro-2,2-dimethyl-	146	C11H14	020836-11-7	76
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	72





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ClientSampleId : MW-06

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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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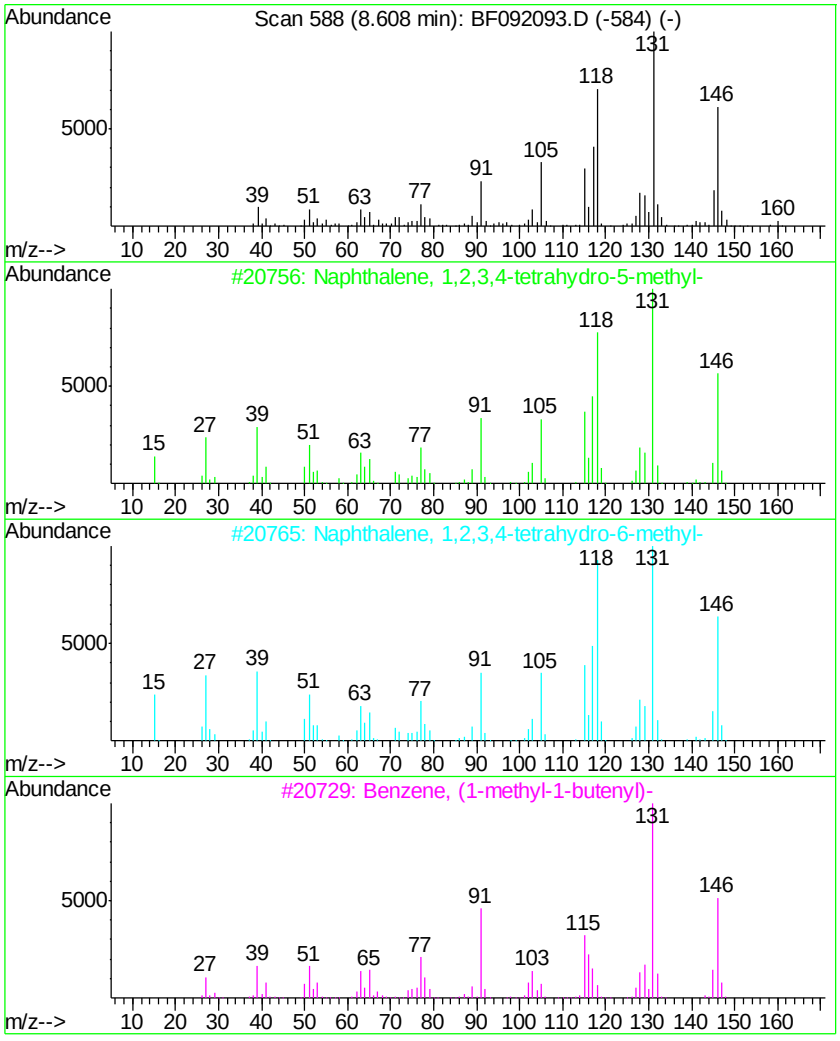
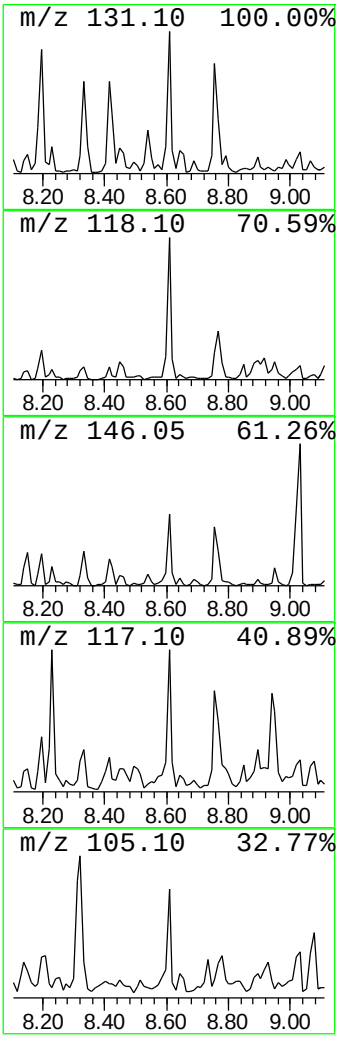
Peak Number 13 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	5.73 ng	948350	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	86
4	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	81
5	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	74





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Instrument : BNA_F
ClientSampleId : MW-06

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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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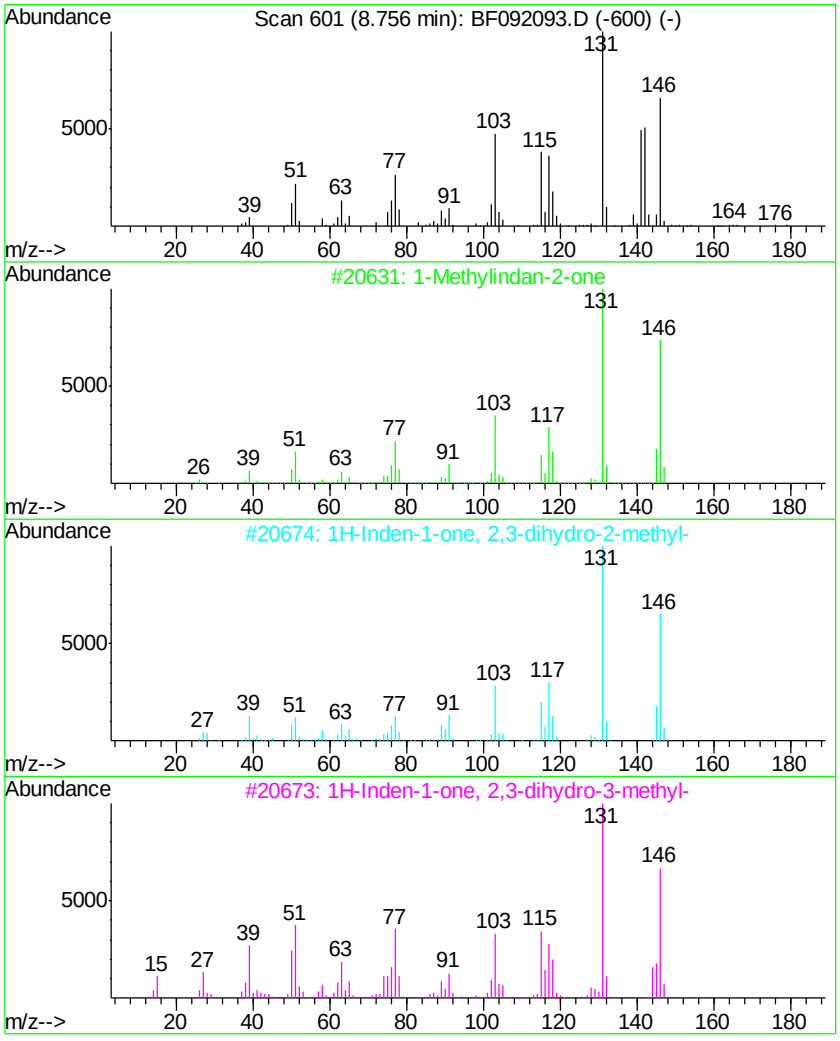
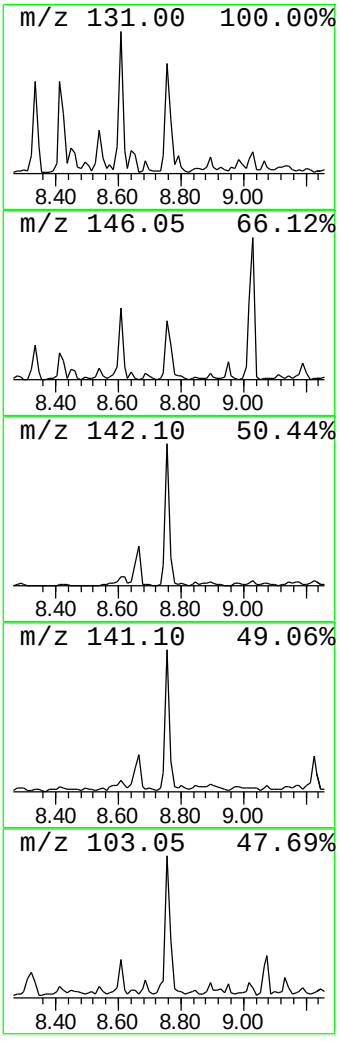
Peak Number 14 1-Methylindan-2-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	4.67 ng	773375	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylindan-2-one	146	C10H10O	035587-60-1	70
2	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	58
3	1H-Inden-1-one, 2,3-dihydro-3-me...	146	C10H10O	006072-57-7	58
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	43
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	43





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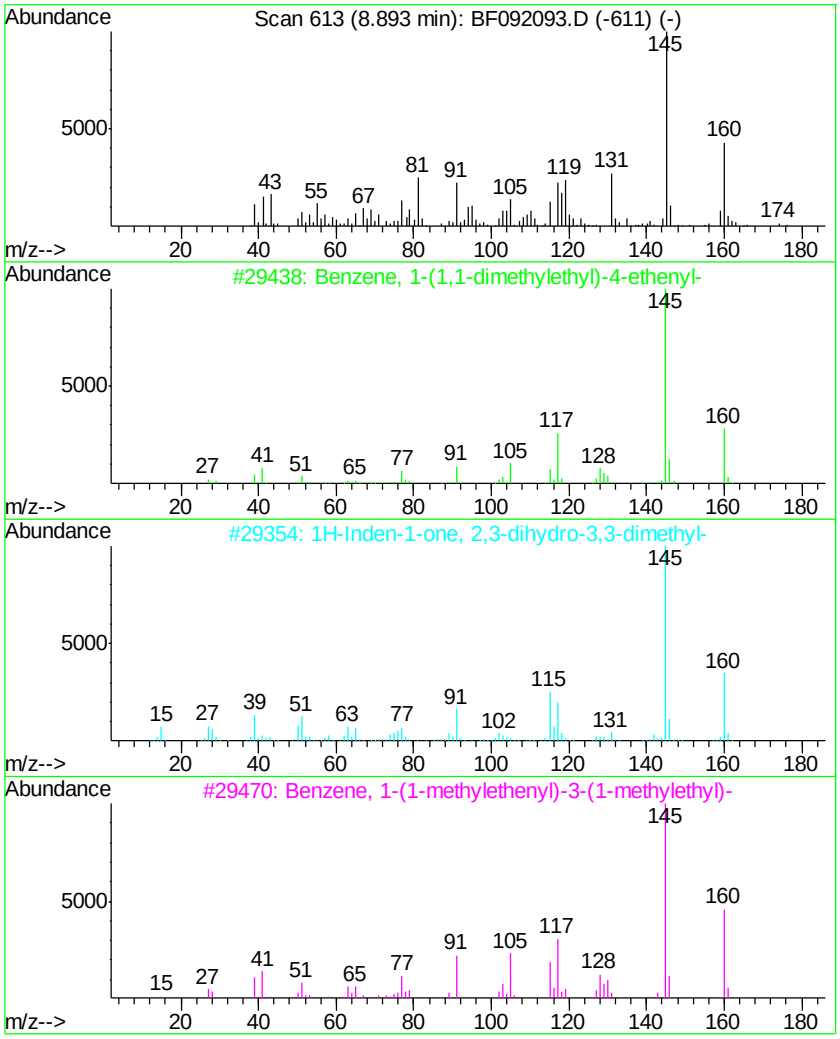
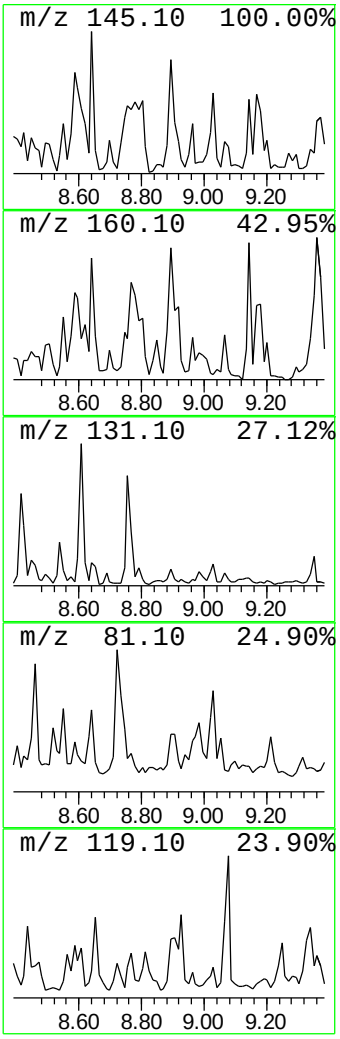
Peak Number 15 Benzene, 1-(1,1-dimethyleth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	4.62 ng	398857	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	62
2	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	53
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	53
4	Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	52
5	Silane, methyltripropynyl-	160	C10H12Si	1000158-62-1	52





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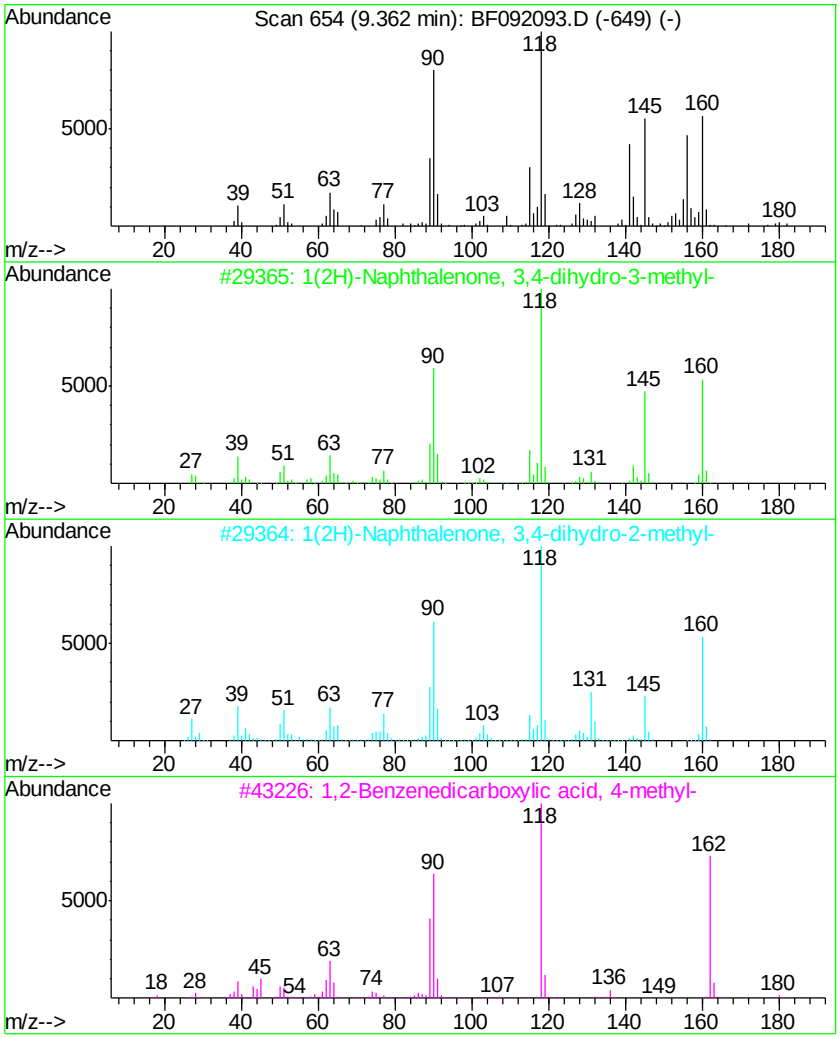
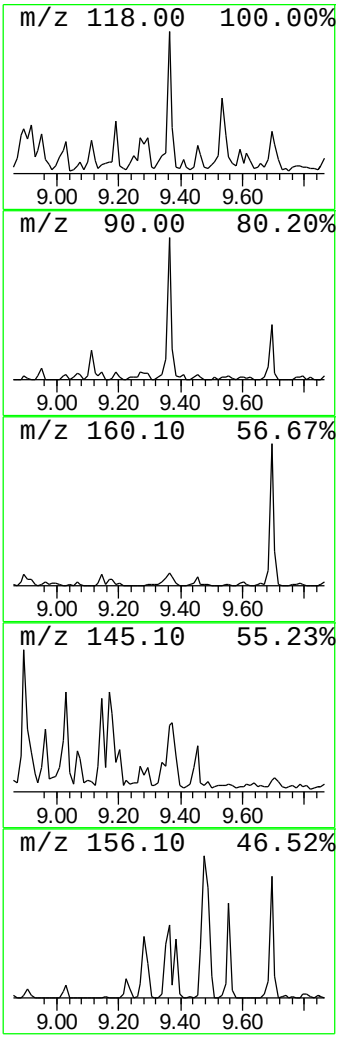
Peak Number 16 1(2H)-Naphthalenone, 3,4-di... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	8.76 ng	756916	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	81
2	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	001590-08-5	76
3	1,2-Benzenedicarboxylic acid, 4-...	180	C9H8O4	004316-23-8	52
4	Homophthalimide	161	C9H7NO2	004456-77-3	50
5	1H-2-Benzothiopyran-4(3H)-one	164	C9H8OS	004426-76-0	50





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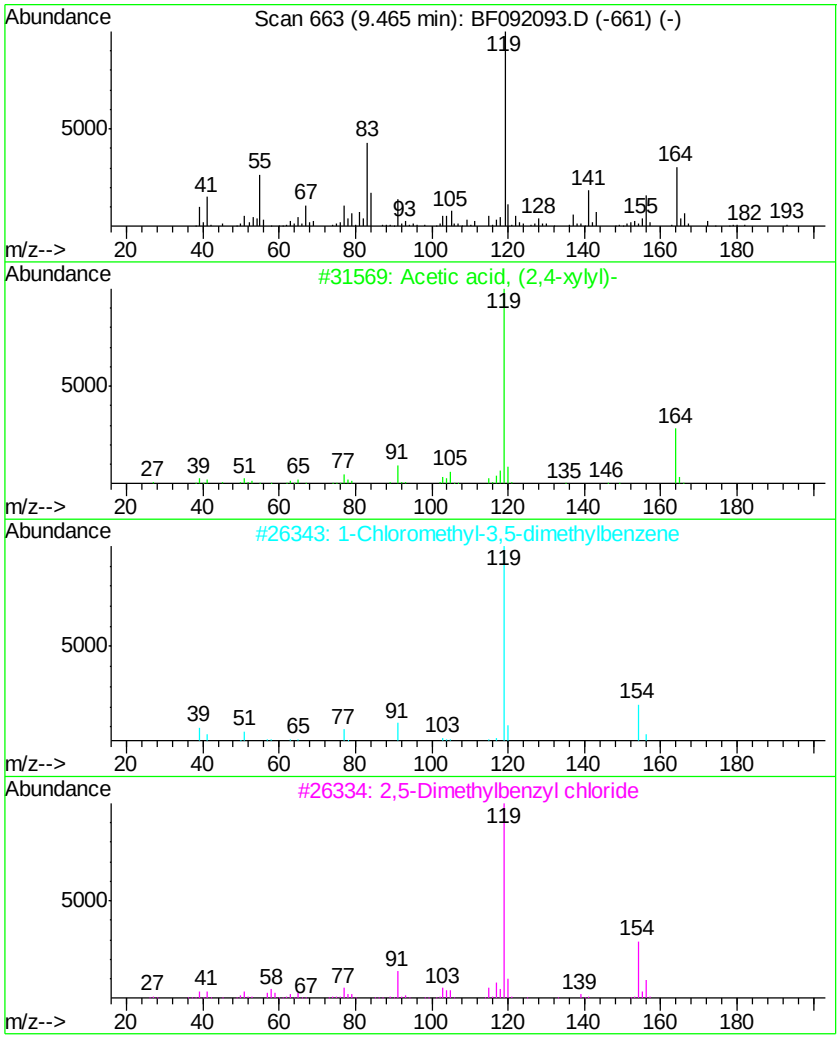
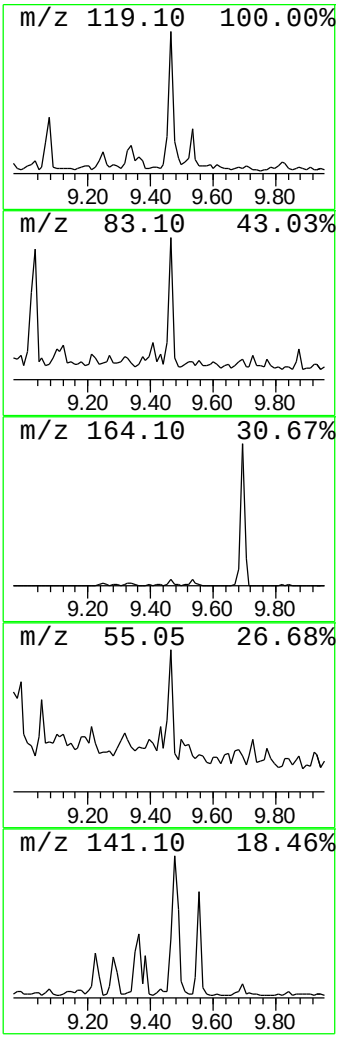
Peak Number 17 Acetic acid, (2,4-xylyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	8.21 ng	709887	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, (2,4-xylyl)-	164	C10H12O2	006331-04-0	60
2	1-Chloromethyl-3,5-dimethylbenzene	154	C9H11Cl	002745-54-2	38
3	2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	38
4	Benzene, tert-butyl-	134	C10H14	000098-06-6	35
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	35





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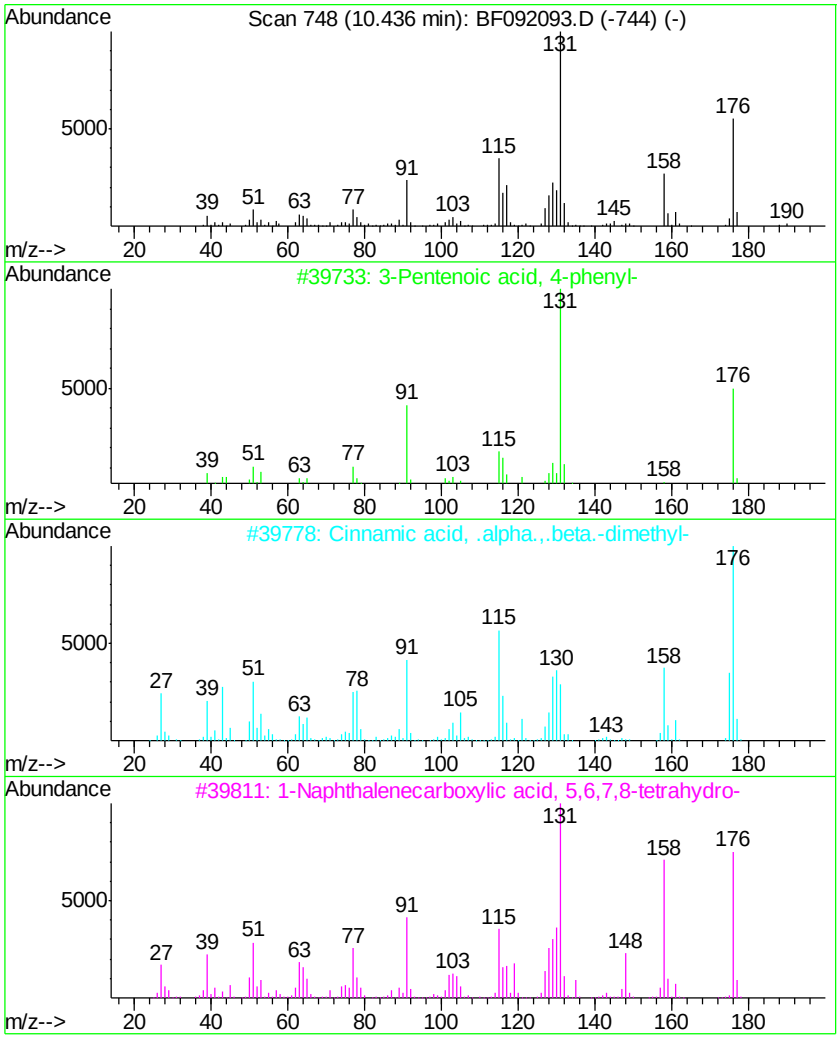
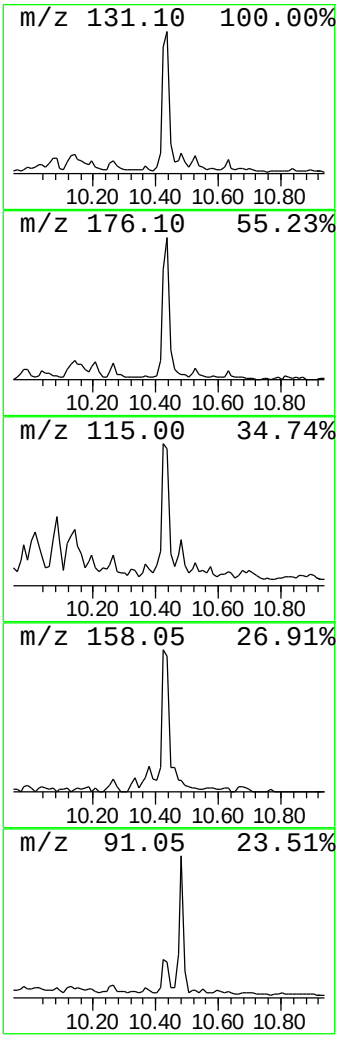
Peak Number 18 3-Pentenoic acid, 4-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	5.58 ng	423590	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	53
2	Cinnamic acid, .alpha.,.beta.-di...	176	C11H12O2	1000151-56-4	50
3	1-Naphthalenecarboxylic acid, 5,...	176	C11H12O2	004242-18-6	50
4	2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	43
5	2-Propenoic acid, 3-phenyl-, eth...	176	C11H12O2	000103-36-6	43





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Data File : BF092093.D
Acq On : 5 Jan 2017 2:55
Operator : UM/SJ
Sample : I1004-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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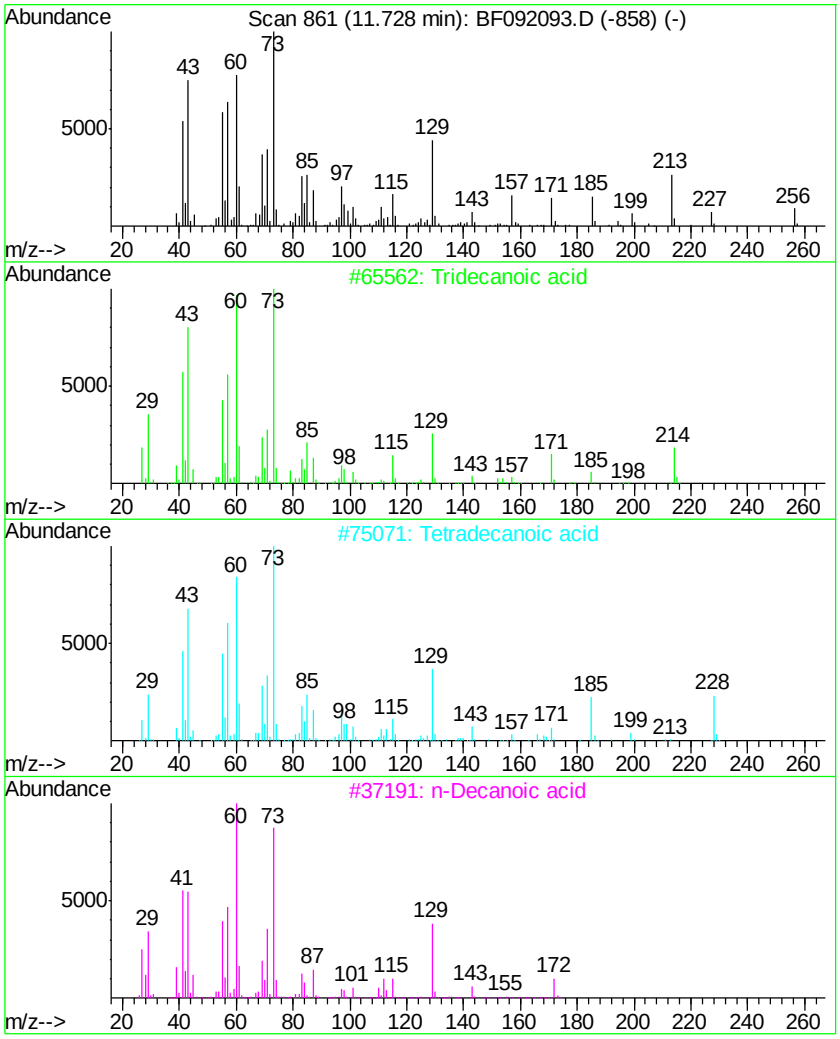
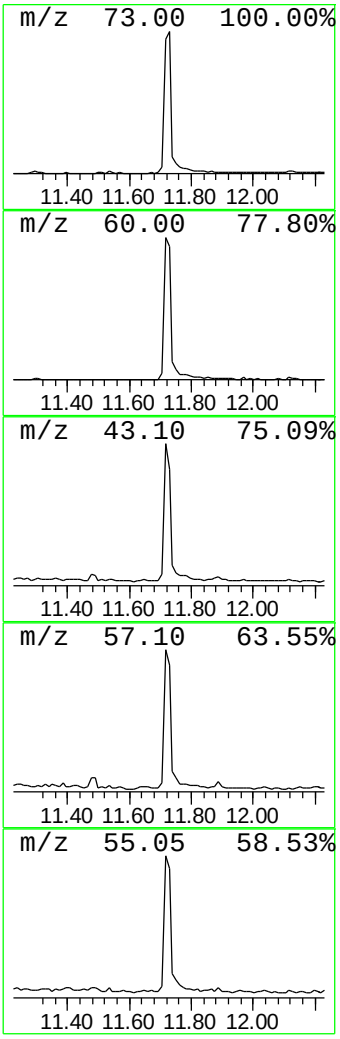
Peak Number 19 Tridecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	9.75 ng	739909	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	91
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3	n-Decanoic acid	172	C10H20O2	000334-48-5	70
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	62
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010417\
Data File : BF092093.D
Acq On : 5 Jan 2017 2:55
Operator : UM/SJ
Sample : I1004-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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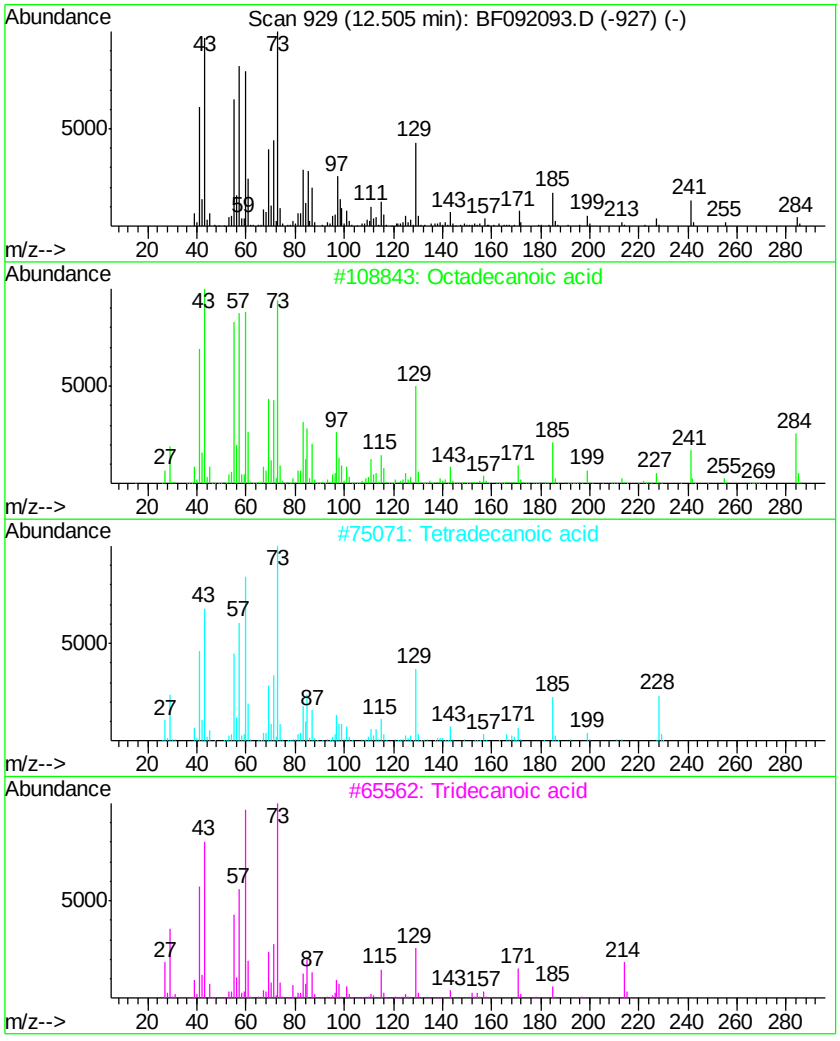
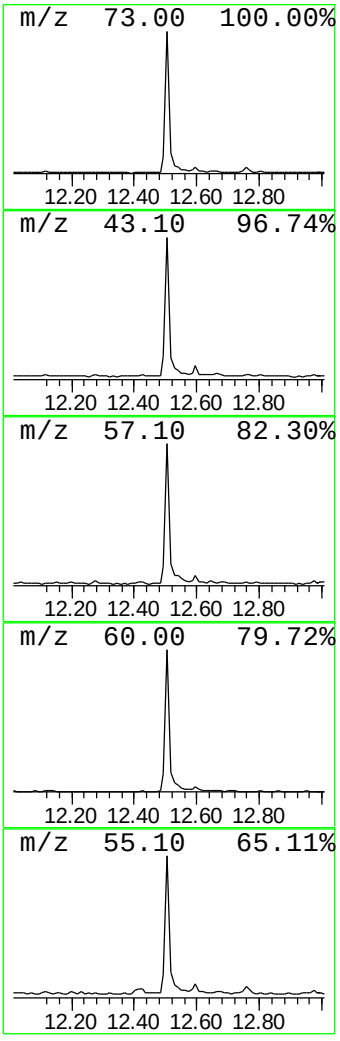
Peak Number 20 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	8.49 ng	606614	Chrysene-d12	13.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
3	Tridecanoic acid	214	C13H26O2	000638-53-9	81
4	Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	029926-41-8	38
5	Tridecane	184	C13H28	000629-50-5	11





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
Data File : BF092093.D
Acq On : 5 Jan 2017 2:55
Operator : UM/SJ
Sample : I1004-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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...	4.79	11.3	ng	915819	1	6.66	1618420	20.0
unknown6.44	6.44	59.4	ng	4803130	1	6.66	1618420	20.0
Benzene, 1,2-diet...	7.01	7.4	ng	599111	1	6.66	1618420	20.0
3-Cyclopentylprop...	7.18	5.8	ng	467944	1	6.66	1618420	20.0
Benzene, 1,2,4,5-...	7.44	5.7	ng	937600	2	7.94	3310670	20.0
.alpha.,.beta.,.b...	7.60	5.0	ng	818580	2	7.94	3310670	20.0
1-Phenyl-1-butene	7.69	12.3	ng	2042990	2	7.94	3310670	20.0
Cyclohexane, 1-me...	7.78	8.3	ng	1381740	2	7.94	3310670	20.0
1H-Indene, 2,3-di...	8.00	5.0	ng	828017	2	7.94	3310670	20.0
2H-Inden-2-one, o...	8.20	5.8	ng	965450	2	7.94	3310670	20.0
Benzene, (2-methy...	8.33	6.3	ng	1045860	2	7.94	3310670	20.0
Naphthalene, 1,2,...	8.61	5.7	ng	948350	2	7.94	3310670	20.0
1-Methylindan-2-one	8.76	4.7	ng	773375	2	7.94	3310670	20.0
Benzene, 1-(1,1-d...	8.89	4.6	ng	398857	3	9.69	1728300	20.0
1(2H)-Naphthaleno...	9.36	8.8	ng	756916	3	9.69	1728300	20.0
Acetic acid, (2,4...	9.46	8.2	ng	709887	3	9.69	1728300	20.0
3-Pentenoic acid,...	10.44	5.6	ng	423590	4	11.17	1518340	20.0
Tridecanoic acid	11.73	9.8	ng	739909	4	11.17	1518340	20.0
Octadecanoic acid	12.51	8.5	ng	606614	5	13.80	1428500	20.0