LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012716\
Data File : BF084621.D
Acq On : 27 Jan 2016 15:10
Operator : SJ/IZ
Sample : H1250-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

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-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.567	40	42	48	rVB	96076	150377	2.43%	0.209%
2	2.910	69	72	75	rBV	45946	80570	1.30%	0.112%
3	3.035	75	83	86	rBV	552785	2410074	38.87%	3.345%
4	3.458	114	120	123	rBV	45911	120188	1.94%	0.167%
5	3.573	126	130	134	rVB2	90519	203027	3.27%	0.282%
6	4.201	183	185	189	rVB	372820	511407	8.25%	0.710%
7	4.899	243	246	248	rBV	1944978	2308286	37.23%	3.204%
8	5.081	248	262	263	rVV4	124478	634178	10.23%	0.880%
9	5.139	263	267	268	rVV	170187	411812	6.64%	0.572%
10	5.173	268	270	271	rVV	62337	113775	1.84%	0.158%
11	5.241	271	276	278	rVV	111254	331364	5.34%	0.460%
12	5.333	281	284	287	rVB	2295834	2195391	35.41%	3.047%
13	5.504	294	299	301	rBV2	58165	161389	2.60%	0.224%
14	5.539	301	302	305	rVB2	144550	172842	2.79%	0.240%
15	5.676	312	314	317	rVB	139037	136845	2.21%	0.190%
16	5.733	317	319	322	rBV	323148	332014	5.35%	0.461%
17	6.041	343	346	348	rBV	92370	104995	1.69%	0.146%
18	6.384	373	376	378	rBV2	1004423	1596158	25.74%	2.216%
19	6.430	378	380	384	rVB	151164	241125	3.89%	0.335%
20	6.499	384	386	389	rBV	2044056	2844240	45.87%	3.948%
21	6.579	392	393	397	rVB	137919	169209	2.73%	0.235%
22	6.682	397	402	405	rVB2	39489	81416	1.31%	0.113%
23	6.739	405	407	408	rBV	867388	995972	16.06%	1.382%
24	6.807	411	413	416	rVV	529669	764601	12.33%	1.061%
25	6.887	418	420	423	rVV	2916096	4065564	65.57%	5.643%
26	6.956	423	426	428	rVV2	64305	115873	1.87%	0.161%
27	6.990	428	429	434	rVB3	39452	65636	1.06%	0.091%
28	7.162	440	444	446	rBV4	108488	248877	4.01%	0.345%
29	7.310	452	457	459	rBV	2990474	3888688	62.72%	5.398%
30	7.470	462	471	477	rBV3	332857	1053482	16.99%	1.462%
31	7.562	477	479	480	rBV2	85034	96481	1.56%	0.134%
32	7.699	488	491	492	rBV	47963	76502	1.23%	0.106%
33	7.733	492	494	496	rVV	145990	245608	3.96%	0.341%
34	7.767	496	497	498	rVV	278599	295622	4.77%	0.410%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012716\
Data File : BF084621.D
Acq On : 27 Jan 2016 15:10
Operator : SJ/IZ
Sample : H1250-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

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-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.825	498	502	506	rVV	384581	909268	14.67%	1.262%
36	7.893	506	508	511	rVV3	85179	179444	2.89%	0.249%
37	7.939	511	512	513	rVV	158254	159943	2.58%	0.222%
38	8.019	517	519	521	rVV	1324209	1366403	22.04%	1.897%
39	8.053	521	522	525	rVV	493175	448757	7.24%	0.623%
40	8.156	528	531	532	rVV2	106381	155206	2.50%	0.215%
41	8.190	532	534	538	rVV3	88653	188005	3.03%	0.261%
42	8.259	538	540	541	rVV	117940	141847	2.29%	0.197%
43	8.327	541	546	550	rVV4	465186	1336708	21.56%	1.855%
44	8.419	552	554	556	rVV3	118861	209273	3.38%	0.290%
45	8.476	556	559	562	rVV4	118960	221235	3.57%	0.307%
46	8.522	562	563	566	rVB3	69744	108626	1.75%	0.151%
47	8.602	566	570	573	rBV3	107994	209549	3.38%	0.291%
48	8.682	575	577	579	rBV3	55052	67215	1.08%	0.093%
49	8.773	583	585	588	rVB3	75100	104061	1.68%	0.144%
50	8.842	588	591	593	rBV2	97132	156574	2.53%	0.217%
51	8.979	600	603	605	rBV3	78475	162796	2.63%	0.226%
52	9.025	605	607	611	rVV4	40429	82263	1.33%	0.114%
53	9.105	611	614	615	rVV	6144036	5887941	94.96%	8.173%
54	9.162	615	619	621	rVV	2248594	4120784	66.46%	5.720%
55	9.253	623	627	629	rVV2	1463878	2074553	33.46%	2.880%
56	9.299	629	631	633	rVB2	59729	95243	1.54%	0.132%
57	9.368	633	637	639	rBV5	61014	126814	2.05%	0.176%
58	9.436	639	643	645	rBV5	126516	249855	4.03%	0.347%
59	9.482	645	647	650	rVV3	143027	294467	4.75%	0.409%
60	9.562	653	654	656	rVB2	117519	97592	1.57%	0.135%
61	9.608	656	658	660	rBV3	63921	109820	1.77%	0.152%
62	9.653	660	662	664	rVB2	56735	95623	1.54%	0.133%
63	9.710	664	667	670	rBV	539420	652034	10.52%	0.905%
64	9.768	670	672	675	rBV2	1676100	2372276	38.26%	3.293%
65	9.996	691	692	695	rBV3	132194	238029	3.84%	0.330%
66	10.065	695	698	702	rVB	682806	869645	14.03%	1.207%
67	10.190	707	709	713	rVB3	214776	272519	4.40%	0.378%
68	10.373	722	725	727	rBV	288686	329445	5.31%	0.457%
69	10.430	727	730	732	rVB	567656	587377	9.47%	0.815%
70	10.568	739	742	744	rVB	2642222	3474051	56.03%	4.822%
71	10.625	746	747	749	rBV	193185	173081	2.79%	0.240%

LSC Area Percent Report

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Data File : BF084621.D
Acq On : 27 Jan 2016 15:10
Operator : SJ/IZ
Sample : H1250-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

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-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.682	750	752	756	rVB	302840	363084	5.86%	0.504%
73	10.751	756	758	760	rBV2	58645	80898	1.30%	0.112%
74	10.808	762	763	765	rVB2	84647	77560	1.25%	0.108%
75	10.865	765	768	772	rBV3	177824	343052	5.53%	0.476%
76	10.933	772	774	776	rBV2	83723	144826	2.34%	0.201%
77	11.048	782	784	787	rVB2	118508	174127	2.81%	0.242%
78	11.139	790	792	794	rVV2	255252	254079	4.10%	0.353%
79	11.253	799	802	804	rBV	2206556	1935384	31.21%	2.686%
80	11.368	811	812	815	rBV2	89138	116039	1.87%	0.161%
81	11.459	817	820	822	rVV2	390084	557392	8.99%	0.774%
82	11.608	831	833	834	rVV	87222	70603	1.14%	0.098%
83	11.653	835	837	840	rVB	73561	87913	1.42%	0.122%
84	11.802	848	850	854	rBV2	378562	404754	6.53%	0.562%
85	11.871	854	856	860	rVB	216895	300340	4.84%	0.417%
86	12.122	877	878	880	rVB	77546	70417	1.14%	0.098%
87	12.179	881	883	885	rBV2	48543	100855	1.63%	0.140%
88	12.225	885	887	891	rVB3	181922	275785	4.45%	0.383%
89	12.385	899	901	905	rVB3	88669	134957	2.18%	0.187%
90	12.488	908	910	913	rBV	451783	543486	8.77%	0.754%
91	12.545	913	915	916	rVV	72329	103091	1.66%	0.143%
92	12.579	916	918	921	rVB3	79927	125344	2.02%	0.174%
93	12.728	929	931	936	rBV	265440	498815	8.05%	0.692%
94	12.842	938	941	943	rBV	5231168	6200221	100.00%	8.606%
95	13.231	973	975	976	rVB	220086	196407	3.17%	0.273%
96	13.437	990	993	998	rBV3	208805	402716	6.50%	0.559%
97	13.757	1019	1021	1026	rVB3	138997	263820	4.26%	0.366%
98	13.882	1030	1032	1034	rVB	1532825	1585413	25.57%	2.201%
99	15.277	1151	1154	1157	rBV	912992	1079865	17.42%	1.499%

Sum of corrected areas: 72043153

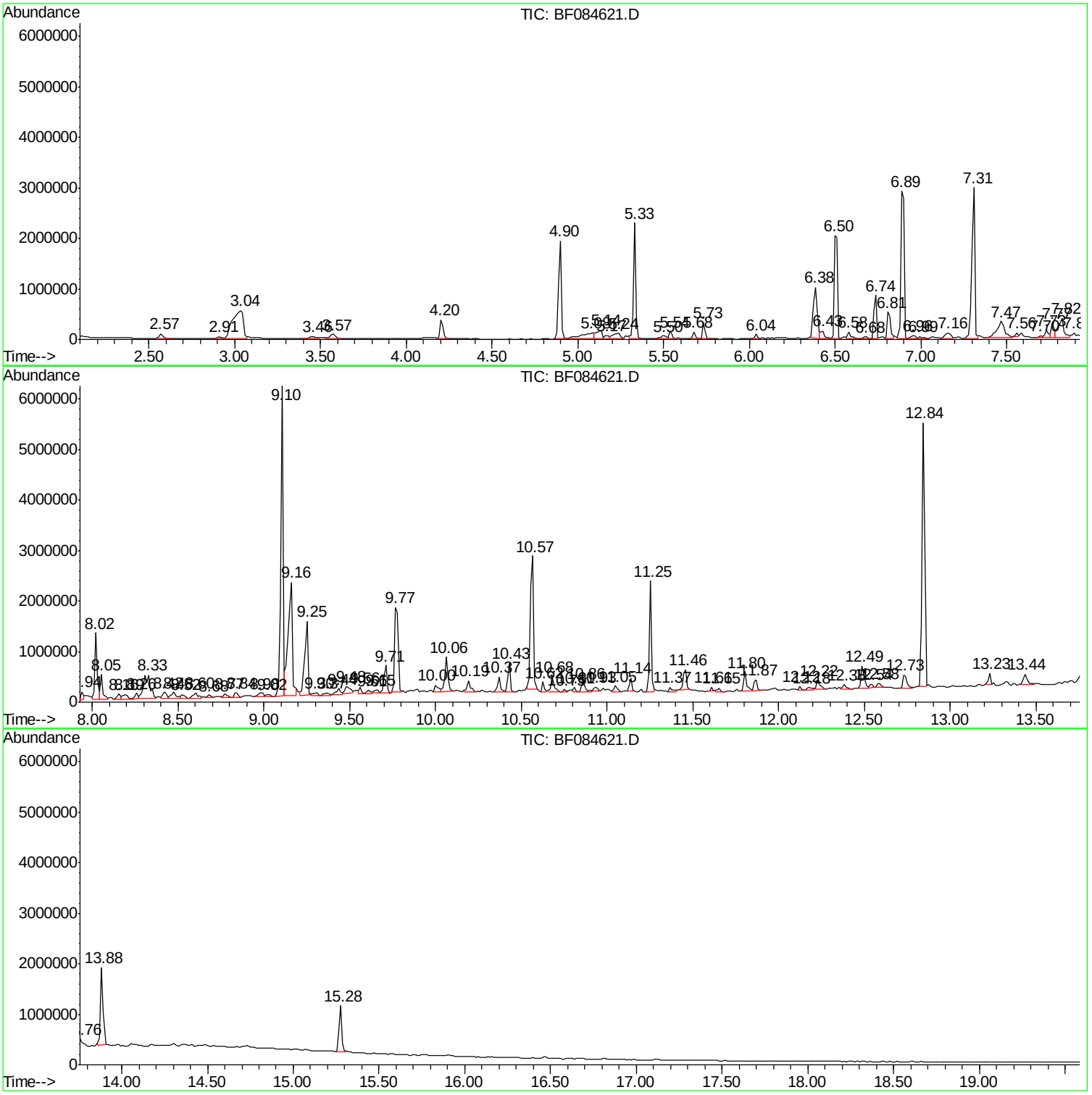
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012716\
Data File : BF084621.D
Acq On : 27 Jan 2016 15:10
Operator : SJ/IZ
Sample : H1250-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012716\
Data File : BF084621.D
Acq On : 27 Jan 2016 15:10
Operator : SJ/IZ
Sample : H1250-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

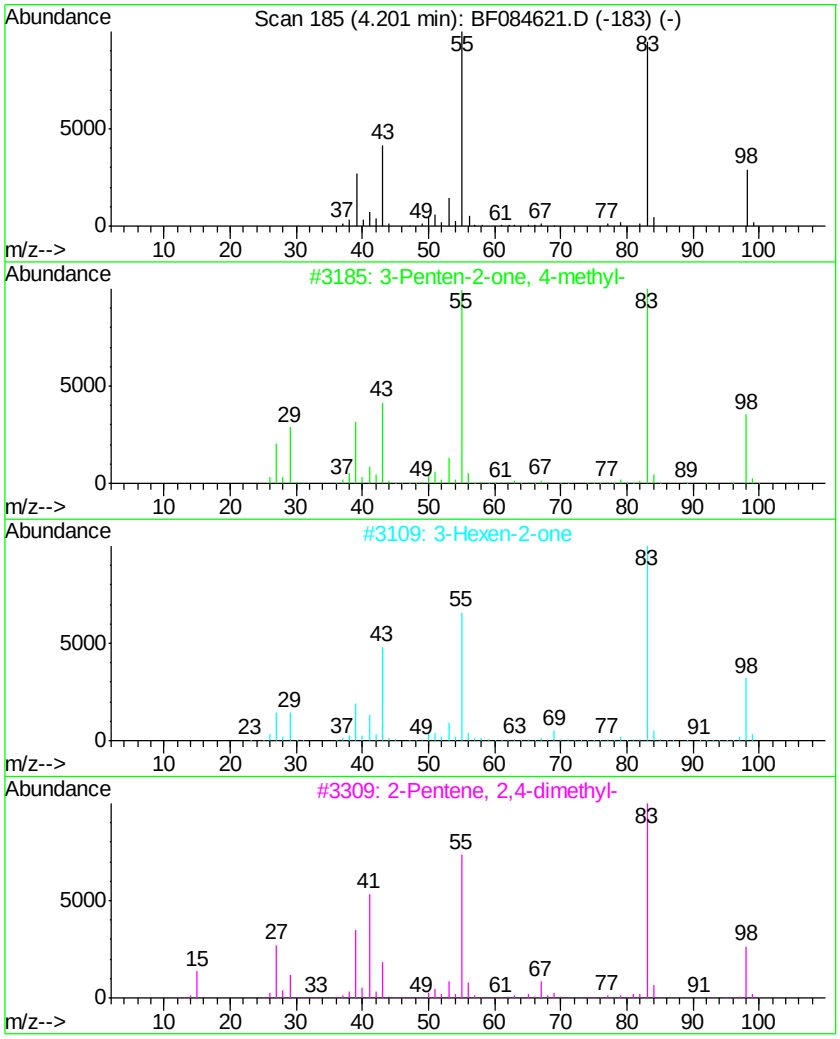
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

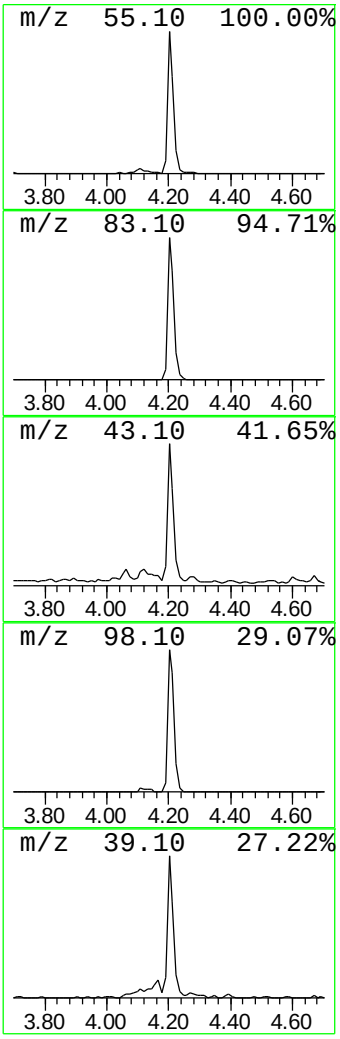
****

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.20	10.27 ng	511407	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	86
3	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80
4	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	72
5	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	72





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012716\
Data File : BF084621.D
Acq On : 27 Jan 2016 15:10
Operator : SJ/IZ
Sample : H1250-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

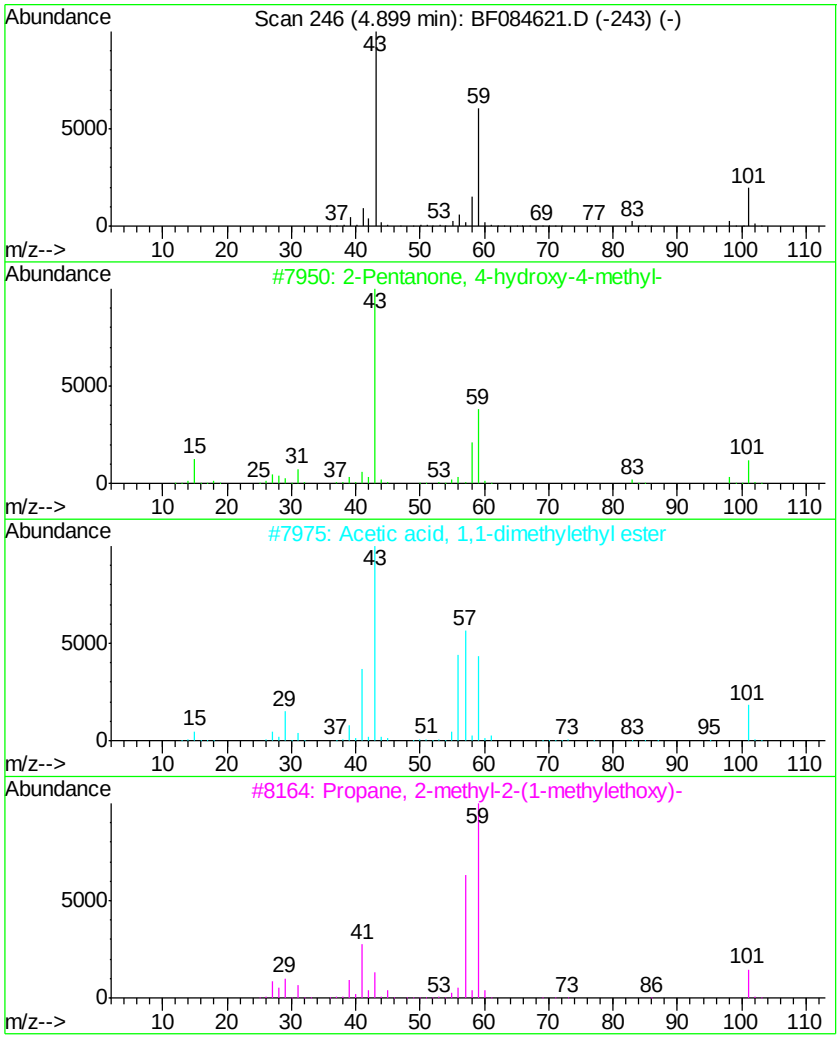
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

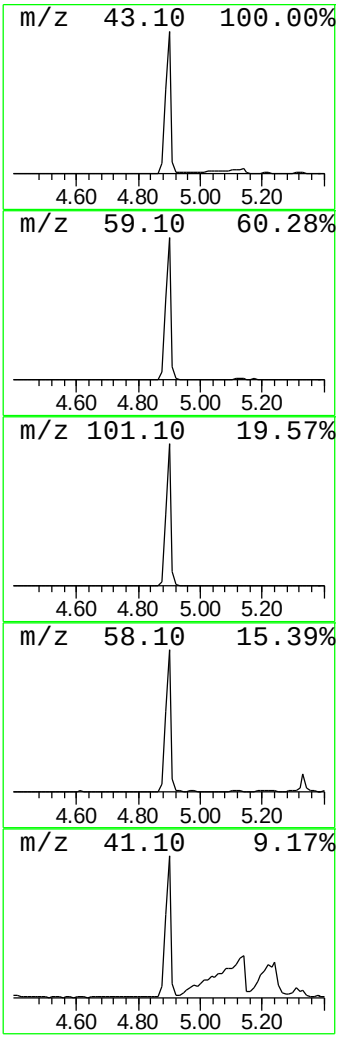
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	46.35 ng	2308290	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012716\
Data File : BF084621.D
Acq On : 27 Jan 2016 15:10
Operator : SJ/IZ
Sample : H1250-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

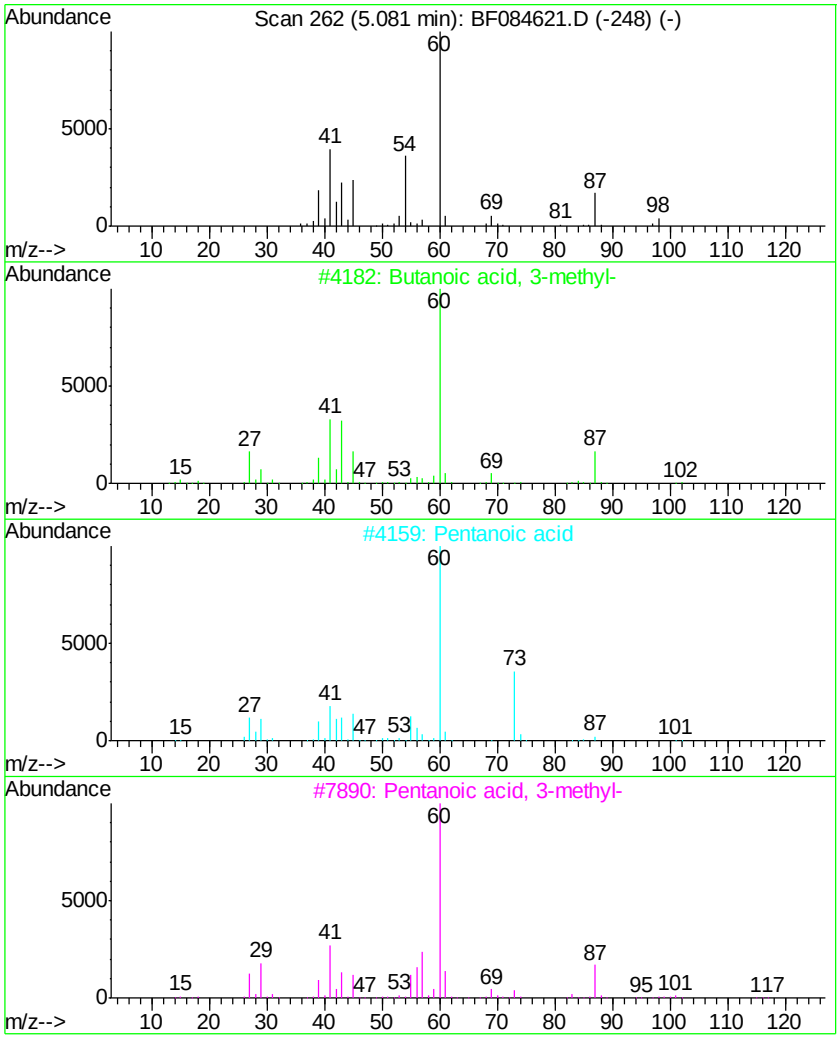
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

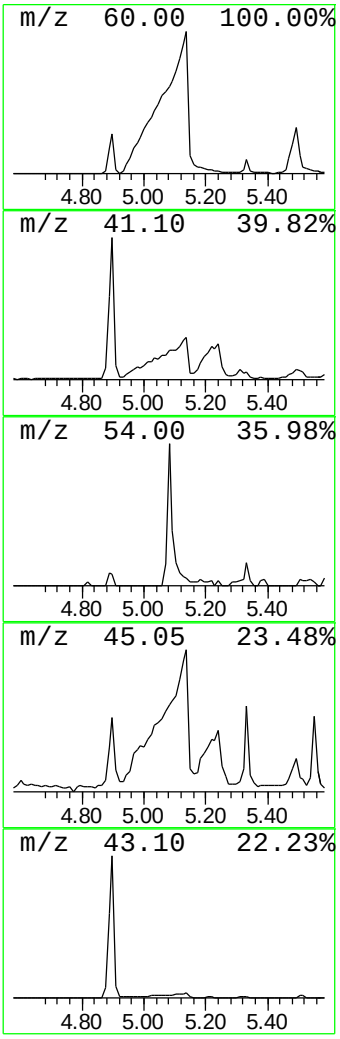
****

Peak Number 4 Butanoic acid, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	12.73 ng	634178	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	64
2	Pentanoic acid	102	C5H10O2	000109-52-4	33
3	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	9
4	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	9
5	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	7





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012716\
Data File : BF084621.D
Acq On : 27 Jan 2016 15:10
Operator : SJ/IZ
Sample : H1250-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

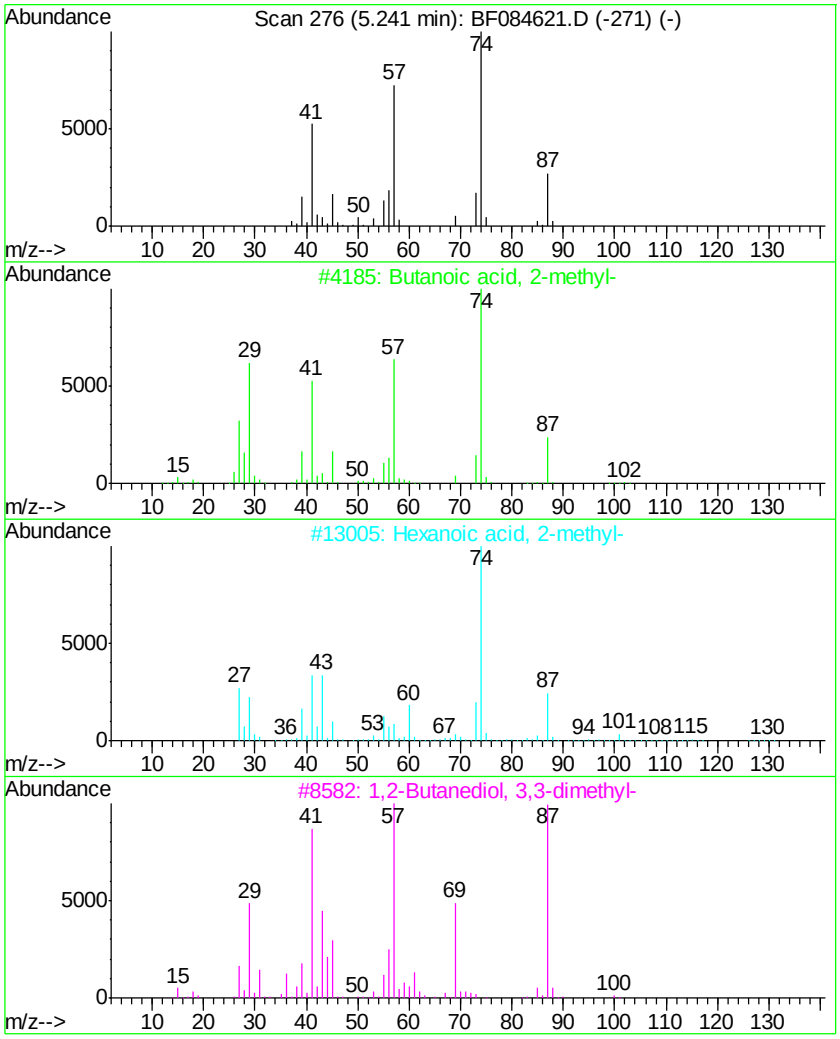
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

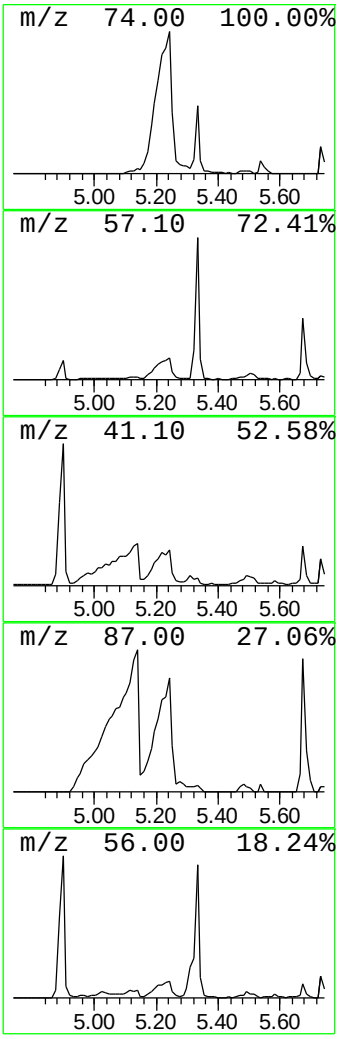
****

Peak Number 6 Butanoic acid, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.24	6.65 ng	331364	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-	102	C5H10O2	000116-53-0	83
2	Hexanoic acid, 2-methyl-	130	C7H14O2	004536-23-6	78
3	1,2-Butanediol, 3,3-dimethyl-	118	C6H14O2	059562-82-2	22
4	Propanoic acid	74	C3H6O2	000079-09-4	9
5	Morpholine	87	C4H9NO	000110-91-8	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012716\
Data File : BF084621.D
Acq On : 27 Jan 2016 15:10
Operator : SJ/IZ
Sample : H1250-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

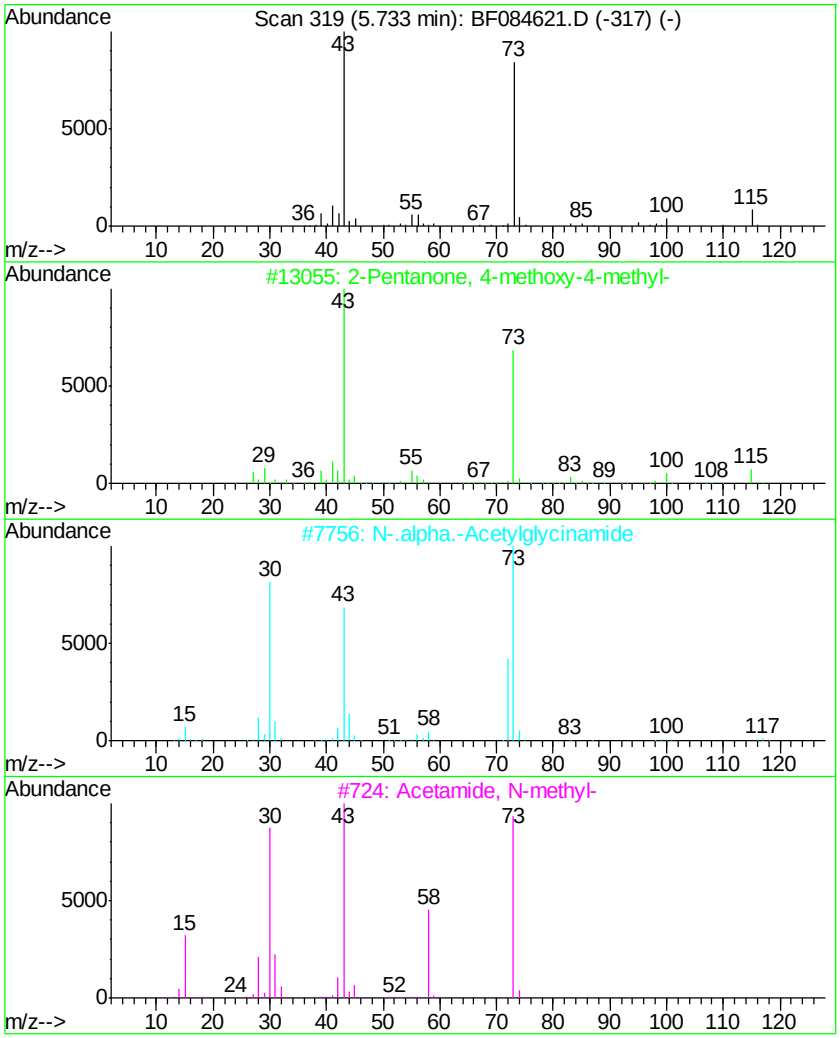
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

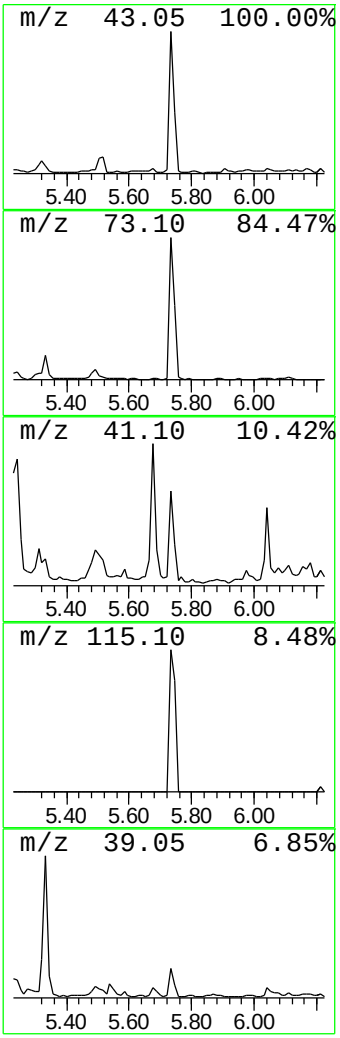
****

Peak Number 7 2-Pentanone, 4-methoxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	6.67 ng	332014	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	86
2	N-.alpha.-Acetylglycinamide	116	C4H8N2O2	002620-63-5	38
3	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	37
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5	1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	16





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012716\
Data File : BF084621.D
Acq On : 27 Jan 2016 15:10
Operator : SJ/IZ
Sample : H1250-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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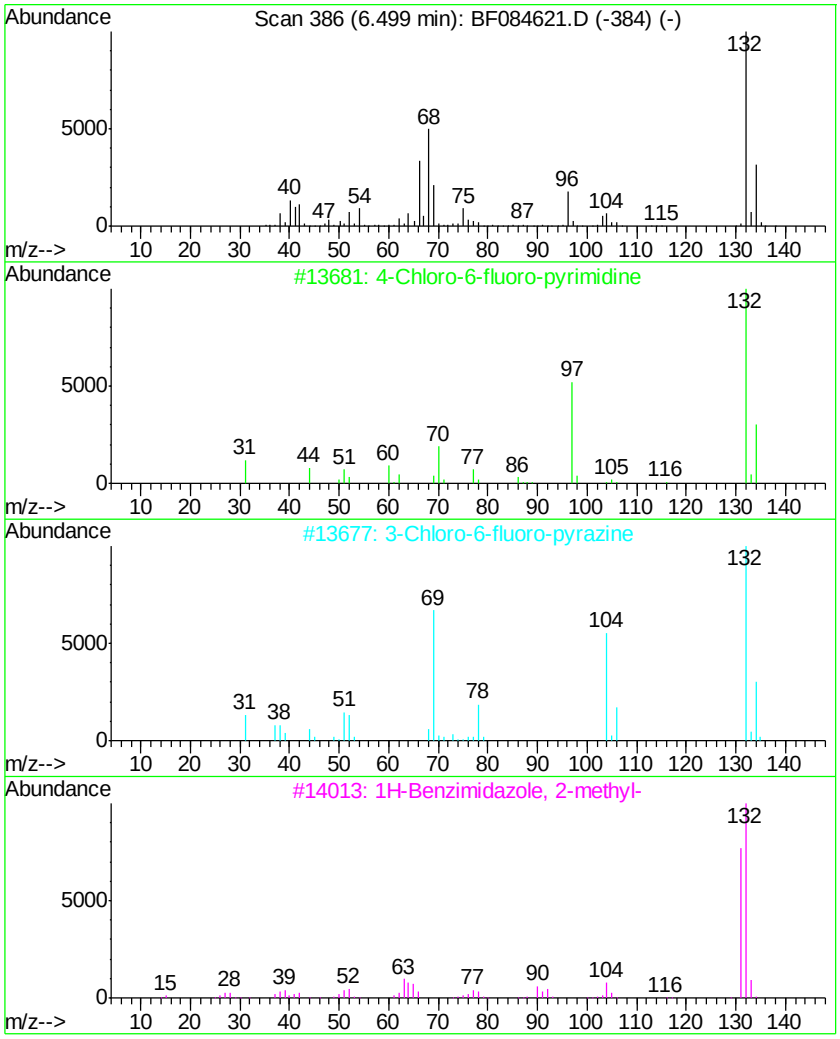
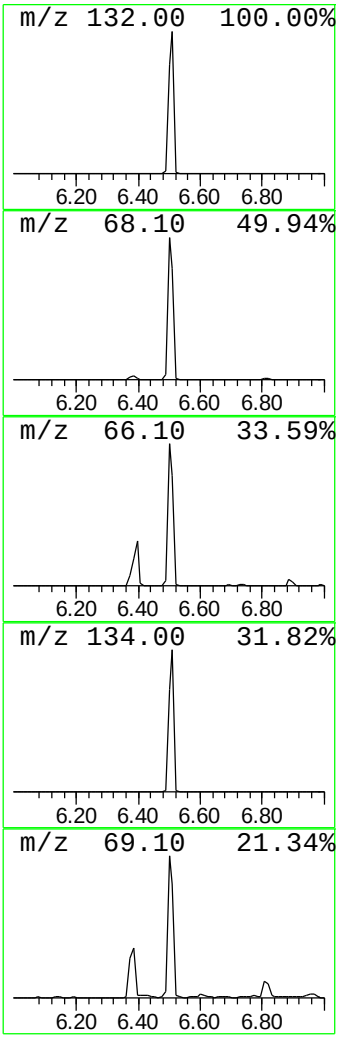
Peak Number 8 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	57.11 ng	2844240	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
5	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	10





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Acq On : 27 Jan 2016 15:10
Operator : SJ/IZ
Sample : H1250-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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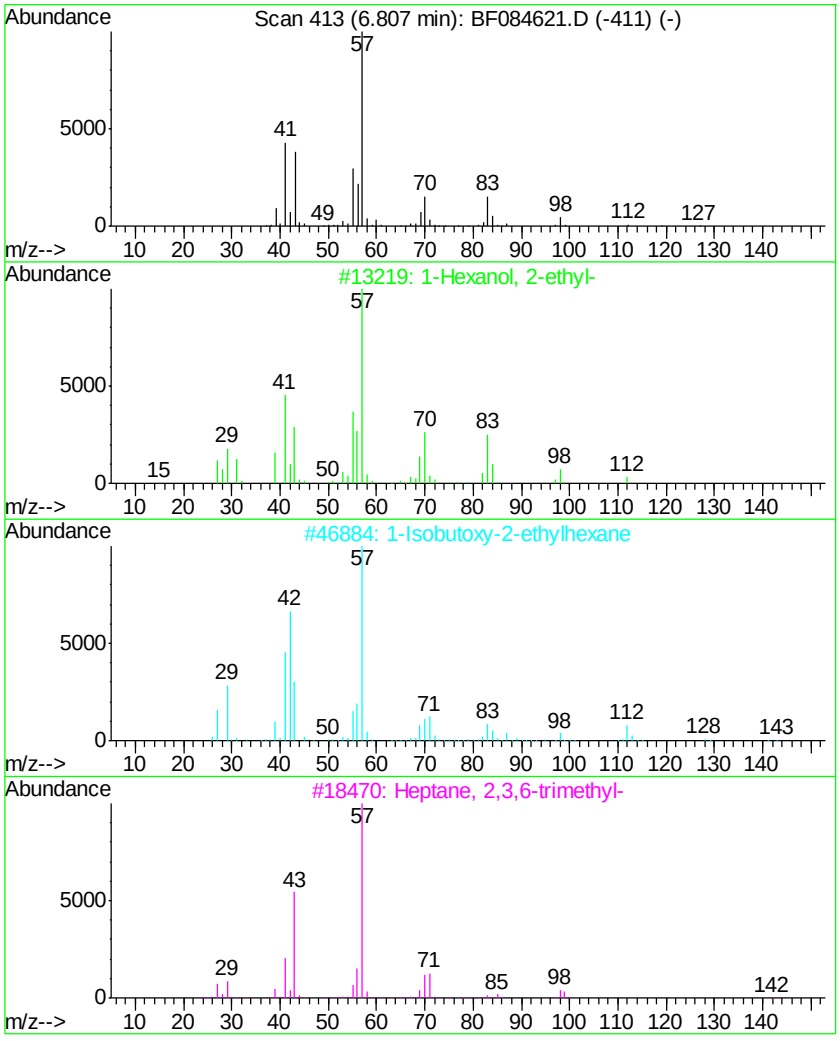
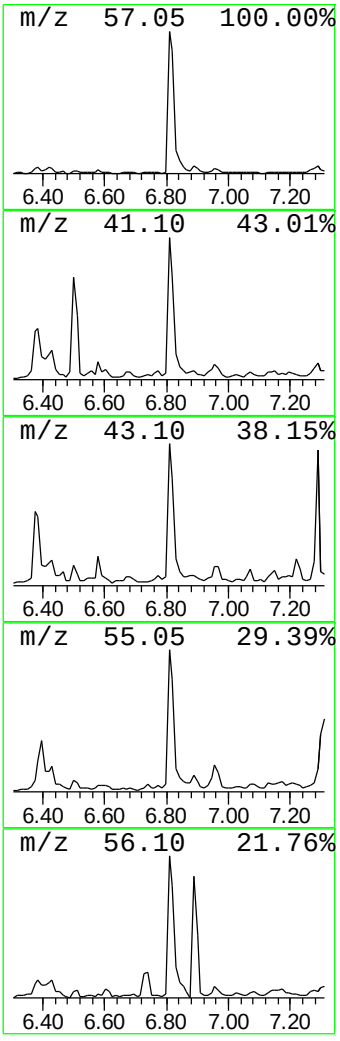
Peak Number 9 1-Hexanol, 2-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.81	15.35 ng	764601	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
2	1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	56
3	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	53
4	1-Butoxy-2-ethylhexane	186	C12H26O	062625-25-6	40
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	40





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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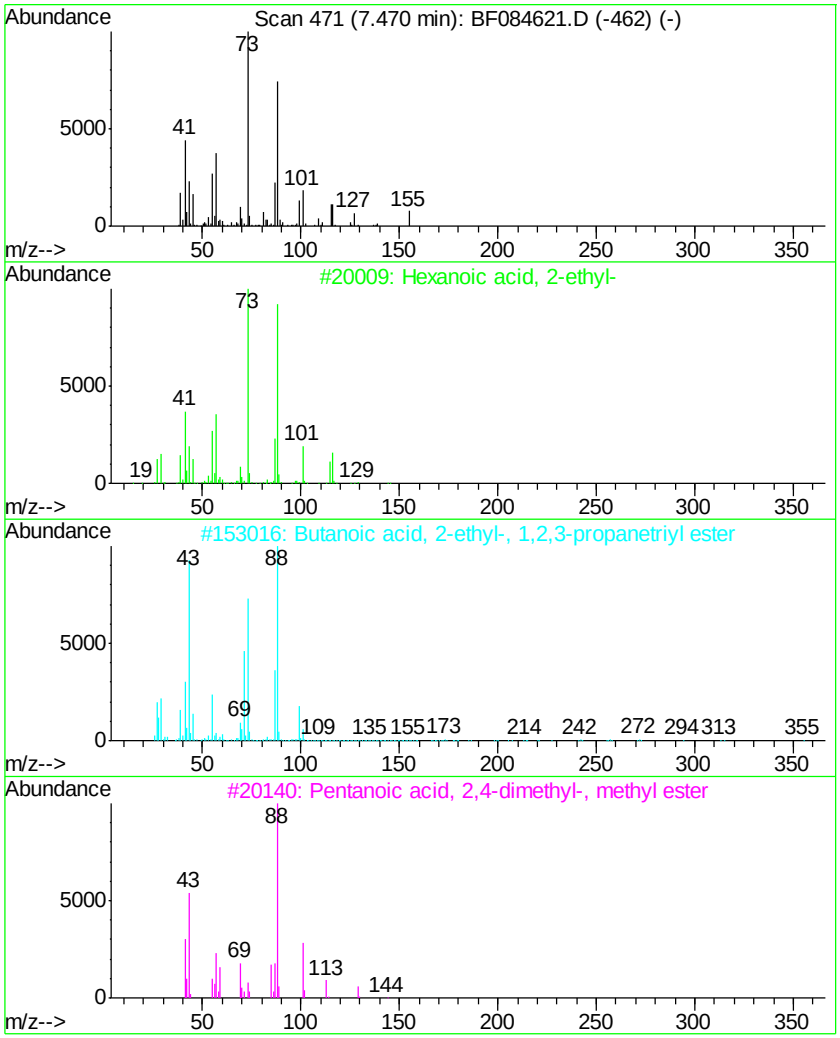
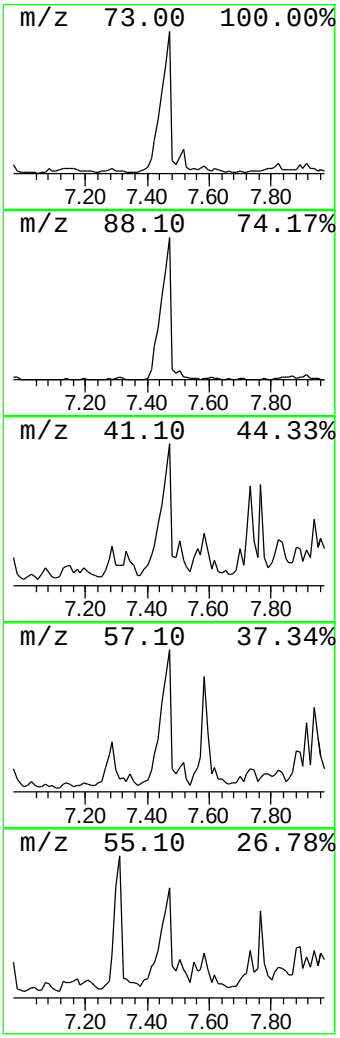
Peak Number 10 Hexanoic acid, 2-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	15.42 ng	1053480	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	80
2	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	42
3	Pentanoic acid, 2,4-dimethyl-, m...	144	C8H16O2	071672-33-8	38
4	Pentanoic acid, 2-methyl-, methy...	130	C7H14O2	002177-77-7	38
5	Methyl (R)-(-)-3-hydroxy-2-methy...	118	C5H10O3	072657-23-9	37





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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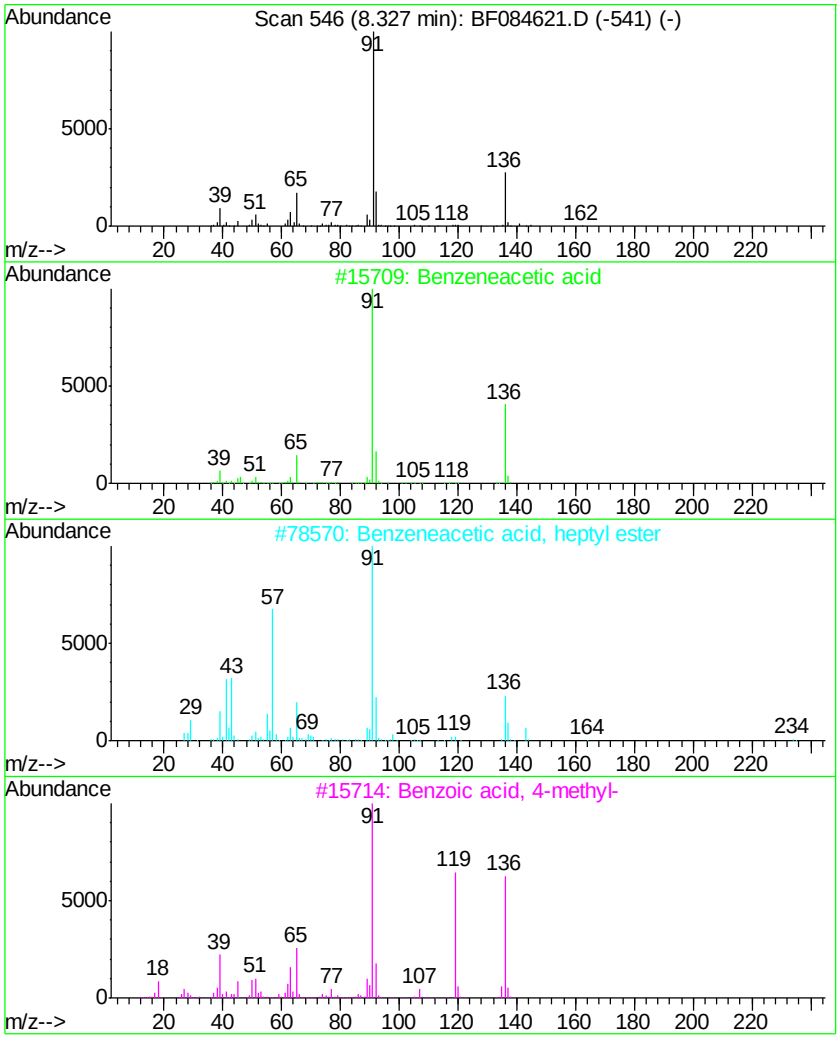
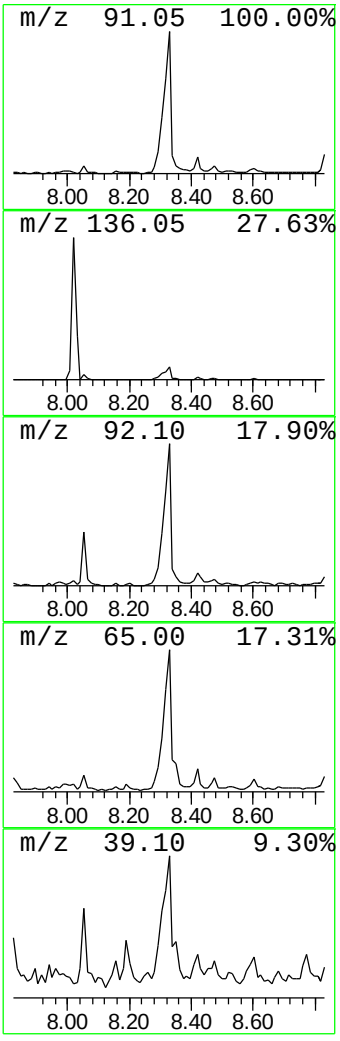
Peak Number 11 Benzeneacetic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	19.57 ng	1336710	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid	136	C8H8O2	000103-82-2	86
2	Benzeneacetic acid, heptyl ester	234	C15H22O2	039736-25-9	78
3	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	59
4	Propanedioic acid, phenyl-	180	C9H8O4	002613-89-0	53
5	Benzyl 2-chloroethyl sulfone	218	C9H11ClO2S	066998-67-2	50





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Misc :
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ClientSampleId : TEC-24

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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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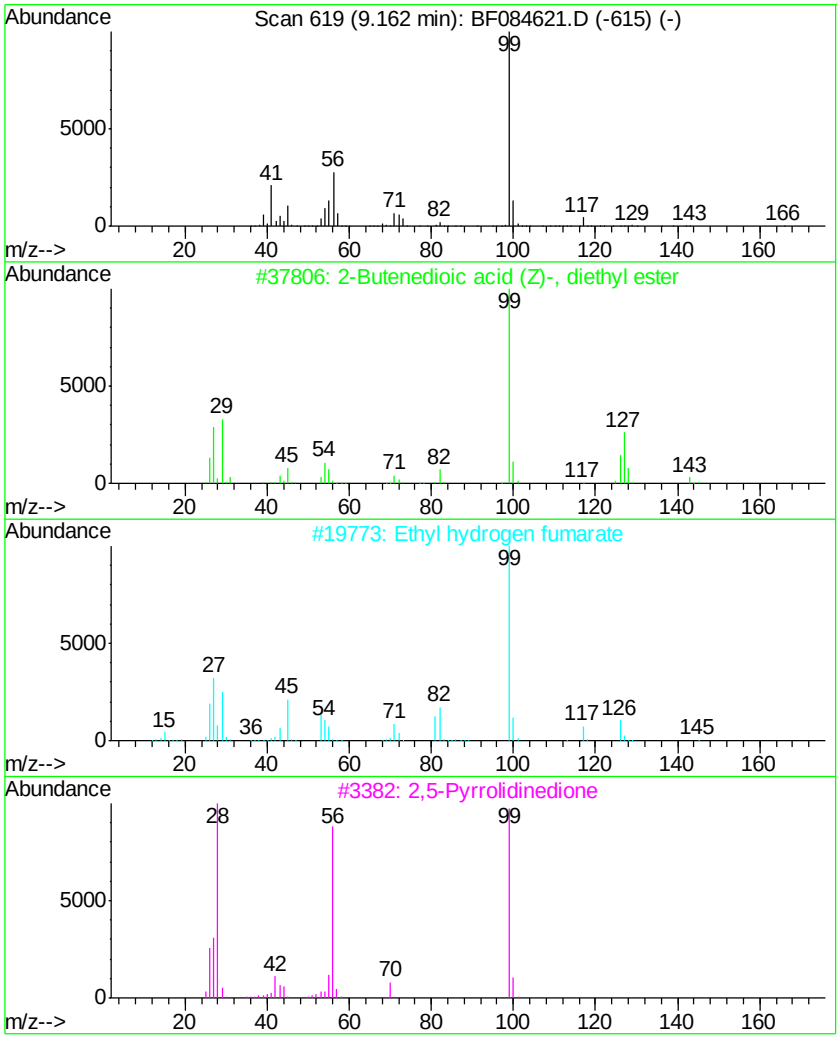
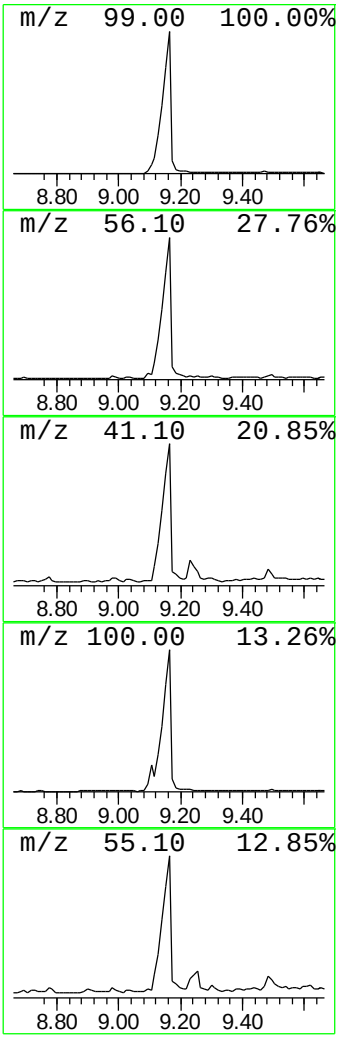
Peak Number 12 2-Butenedioic acid (Z)-, di... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	34.74 ng	4120780	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenedioic acid (Z)-, diethyl...	172	C8H12O4	000141-05-9	53
2	Ethyl hydrogen fumarate	144	C6H8O4	002459-05-4	50
3	2,5-Pyrrolidinedione	99	C4H5NO2	000123-56-8	47
4	Fumaric acid, monoethyl ester	144	C6H8O4	003249-53-4	45
5	1-Penten-3-ol, 3-ethyl-2-methyl-	128	C8H16O	028832-46-4	40





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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
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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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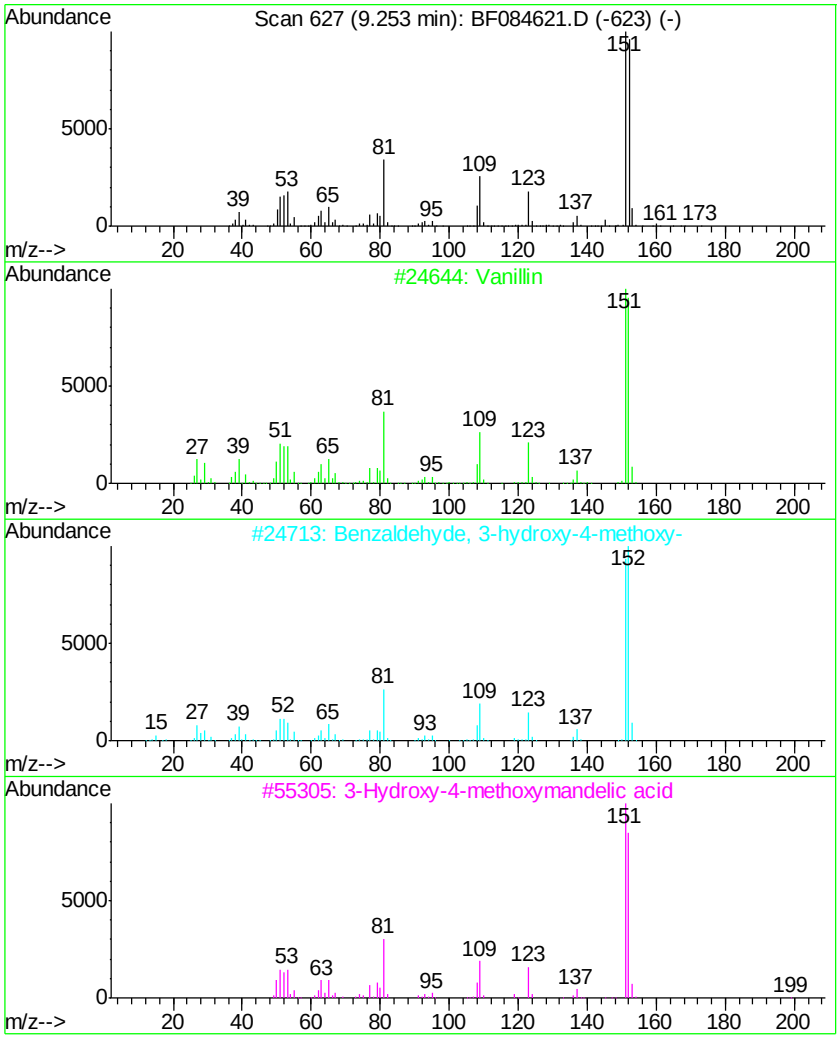
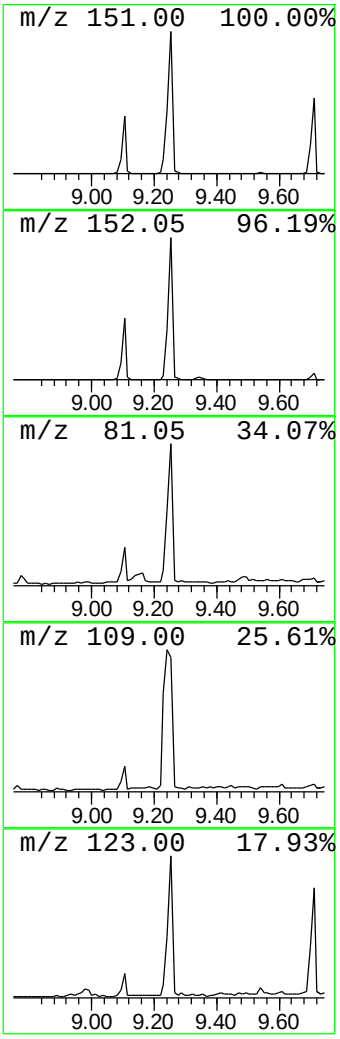
Peak Number 13 Vanillin Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	17.49 ng	2074550	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vanillin	152	C8H8O3	000121-33-5	98
2	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	95
3	3-Hydroxy-4-methoxymandelic acid	198	C9H10O5	003695-24-7	91
4	4-Hydroxy-2-methoxybenaldehyde	152	C8H8O3	018278-34-7	86
5	Vanillin lactoside	476	C20H28O13	1000129-94-7	72





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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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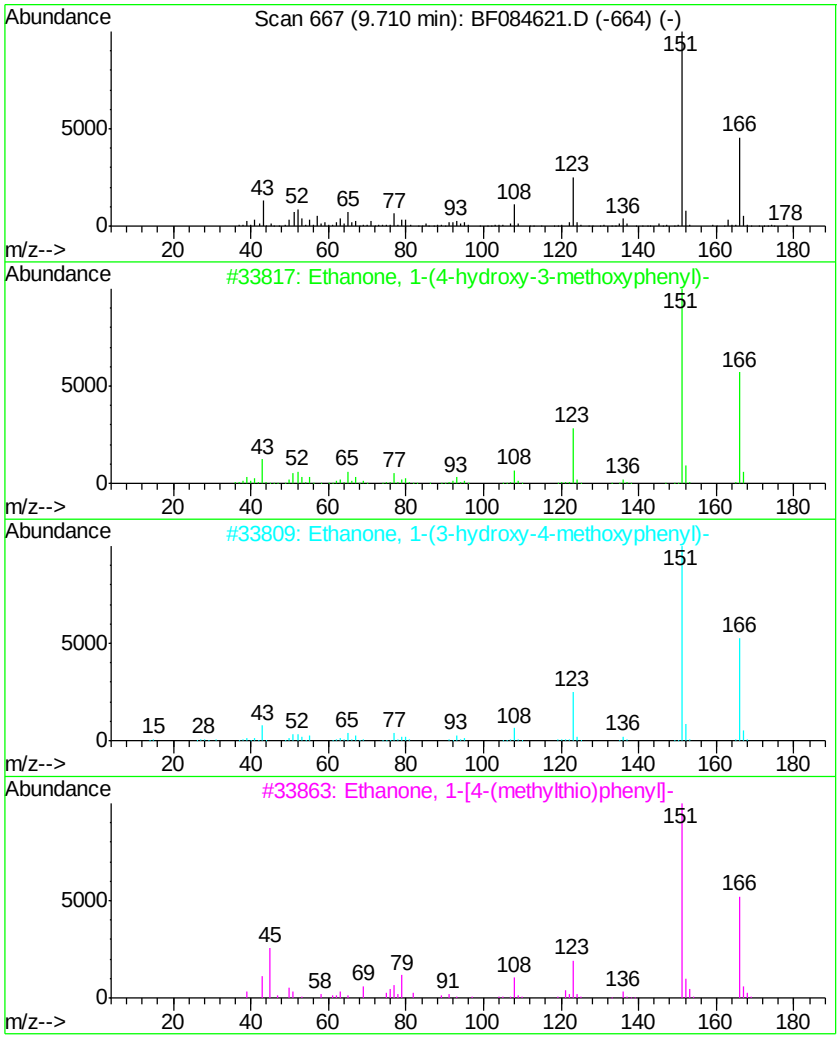
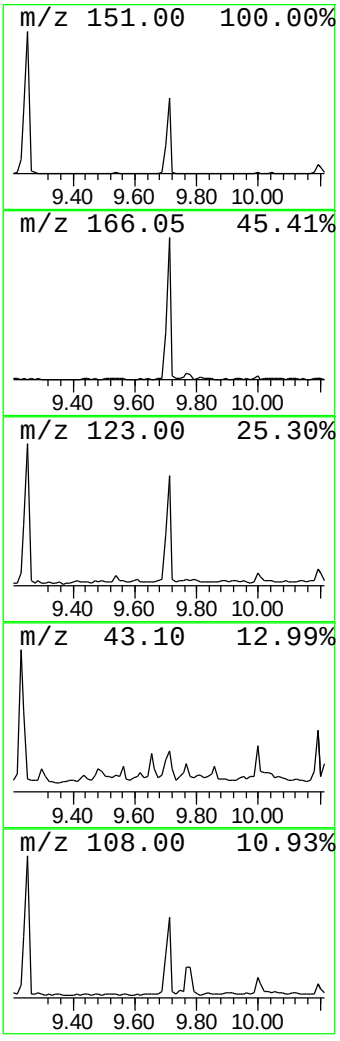
Peak Number 14 Ethanone, 1-(4-hydroxy-3-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	5.50 ng	652034	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(4-hydroxy-3-methoxy...	166	C9H10O3	000498-02-2	97
2	Ethanone, 1-(3-hydroxy-4-methoxy...	166	C9H10O3	006100-74-9	95
3	Ethanone, 1-[4-(methylthio)phenyl]-	166	C9H10OS	001778-09-2	86
4	Stibine, trimethyl-	166	C3H9Sb	000594-10-5	78
5	Ethanone, 1-(2-hydroxy-4-methoxy...	166	C9H10O3	000552-41-0	72





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Misc :
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Instrument : BNA_F
ClientSampleId : TEC-24

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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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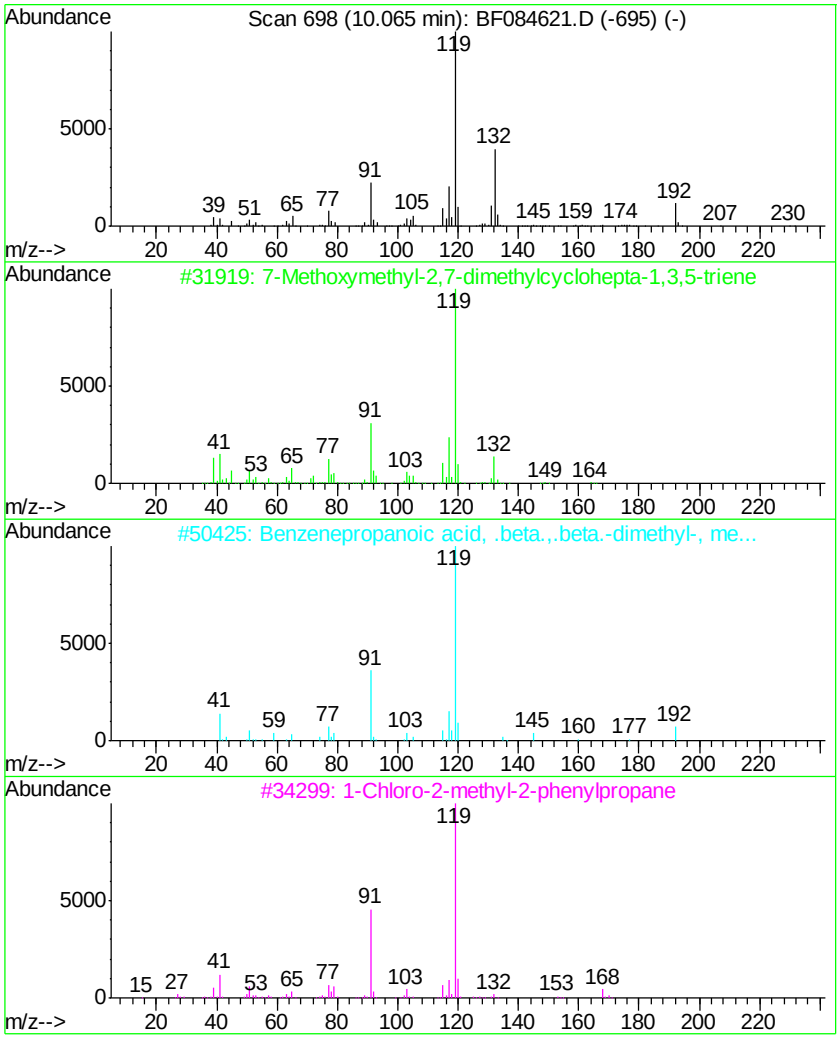
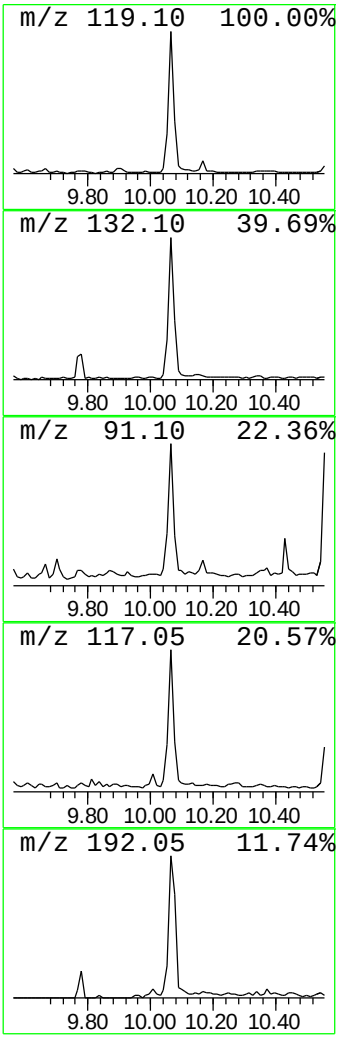
Peak Number 15 7-Methoxymethyl-2,7-dimethy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	7.33 ng	869645	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methoxymethyl-2,7-dimethylcycl...	164	C11H16O	073992-48-0	59
2	Benzenepropanoic acid, .beta.,.b...	192	C12H16O2	025080-84-6	58
3	1-Chloro-2-methyl-2-phenylpropane	168	C10H13Cl	000515-40-2	47
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	47
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	46





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Misc :
ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId : TEC-24

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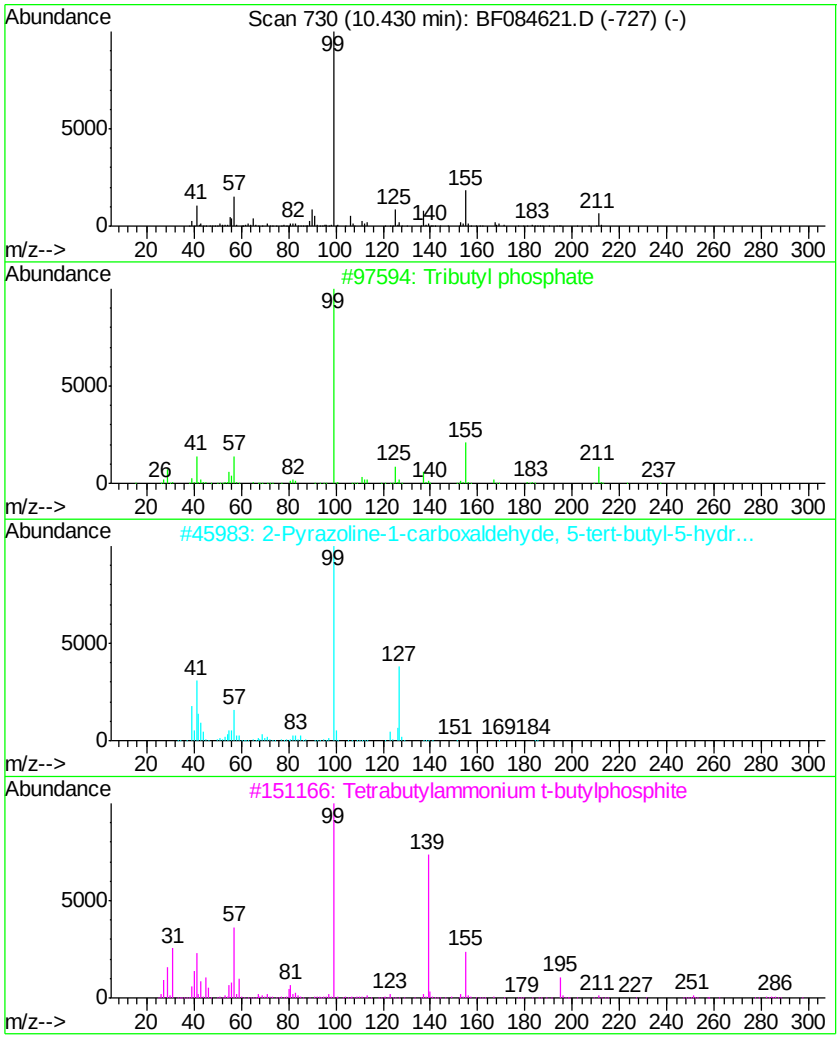
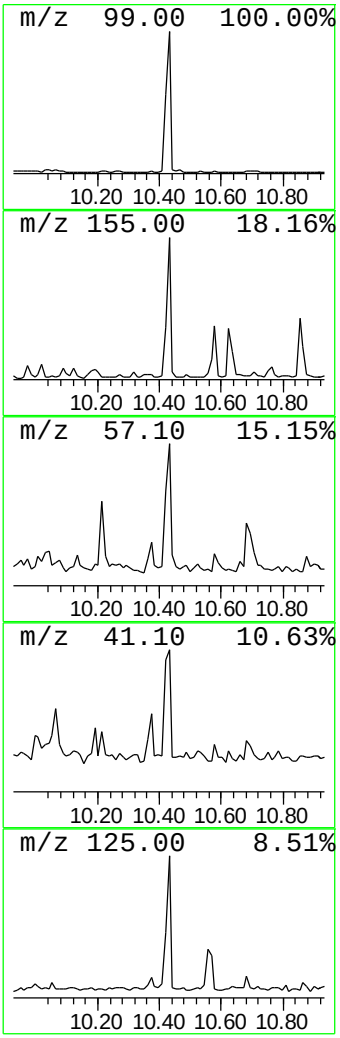
Peak Number 16 Tributyl phosphate Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	4.95 ng	587377	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tributyl phosphate	266	C12H27O4P	000126-73-8	90
2	2-Pyrazoline-1-carboxaldehyde, 5...	184	C9H16N2O2	103214-44-4	42
3	Tetrabutylammonium t-butylphosphite	379	C20H46NO3P	1000164-81-7	36
4	2H-Pyran-2-one, tetrahydro-6-octyl-	212	C13H24O2	007370-92-5	9
5	2-Octen-4-one, 2-methoxy-	156	C9H16O2	024985-48-6	9





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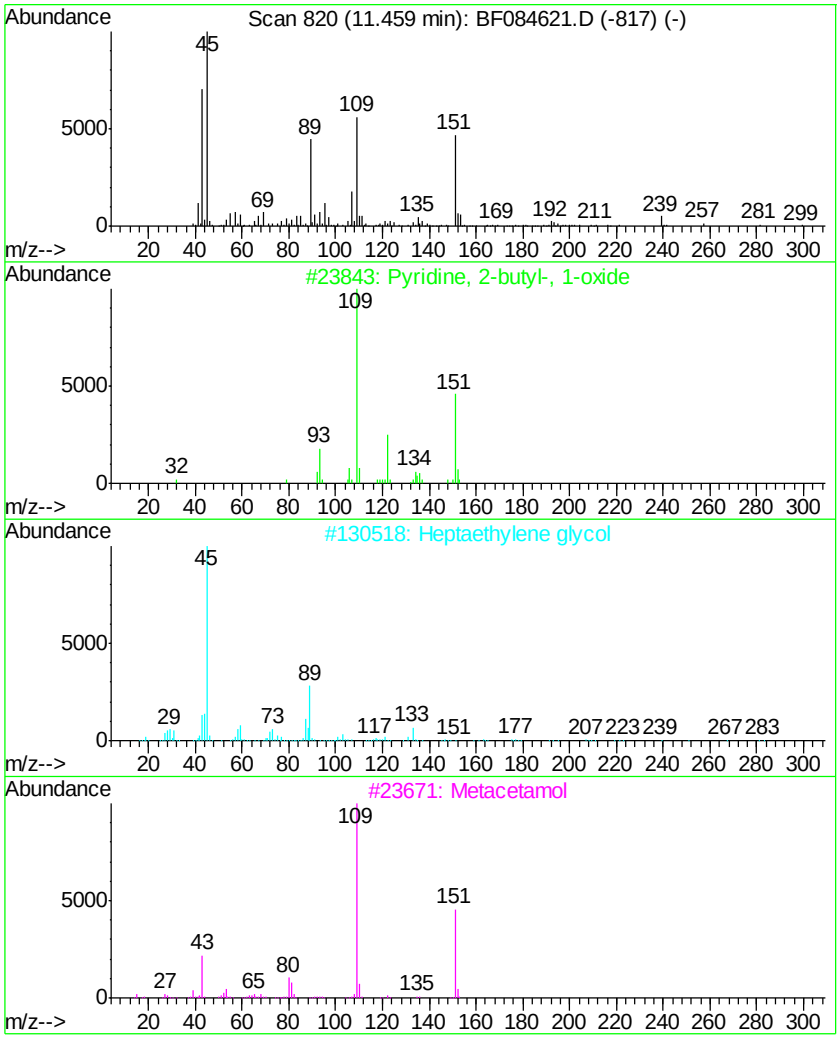
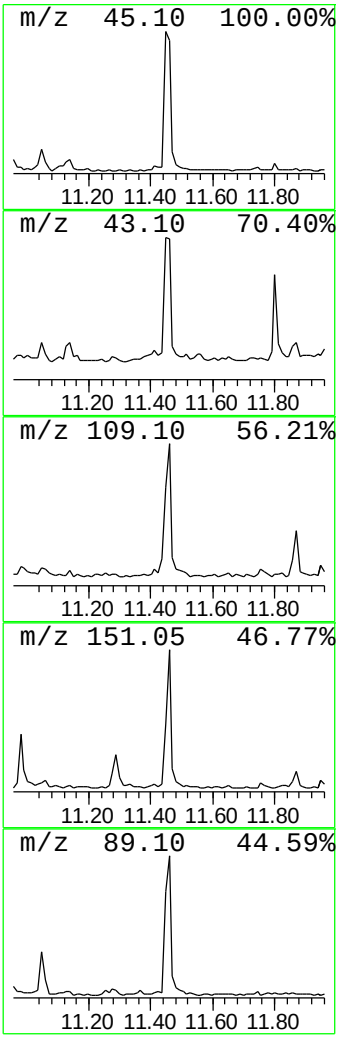
Peak Number 17 unknown11.46 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	5.76 ng	557392	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	43
2	Heptaethylene glycol	326	C14H30O8	005617-32-3	23
3	Metacetamol	151	C8H9NO2	000621-42-1	22
4	3-Methoxymethoxy-2-methyl-non-1-ene	200	C12H24O2	1000192-54-6	18
5	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	16





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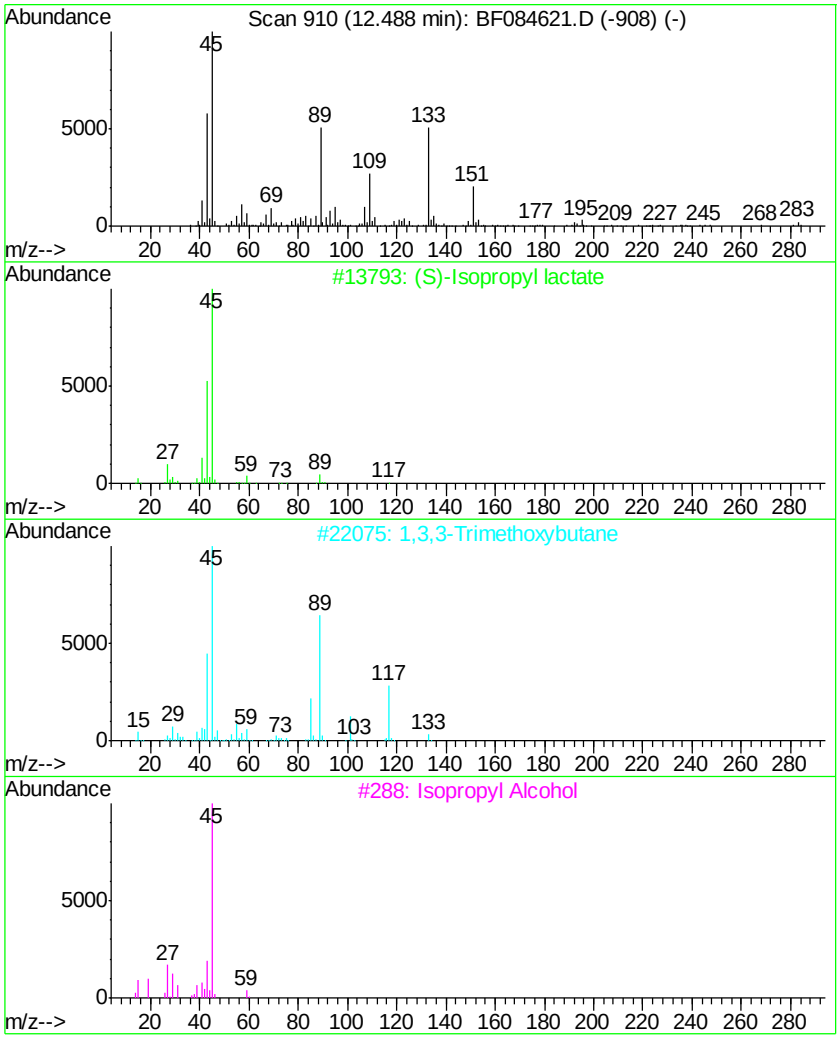
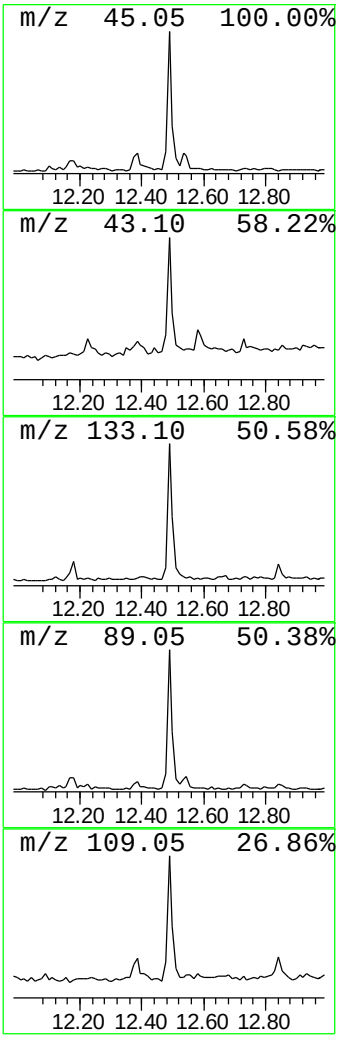
Peak Number 18 unknown12.49 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	5.62 ng	543486	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(S)-Isopropyl lactate	132	C6H12O3	063697-00-7	32
2	1,3,3-Trimethoxybutane	148	C7H16O3	006607-66-5	32
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	22
4	2-Pentanol, 3-methyl-	102	C6H14O	000565-60-6	22
5	3-Methoxymethoxy-6,6-dimethyl-2-...	196	C12H20O2	1000187-62-2	22





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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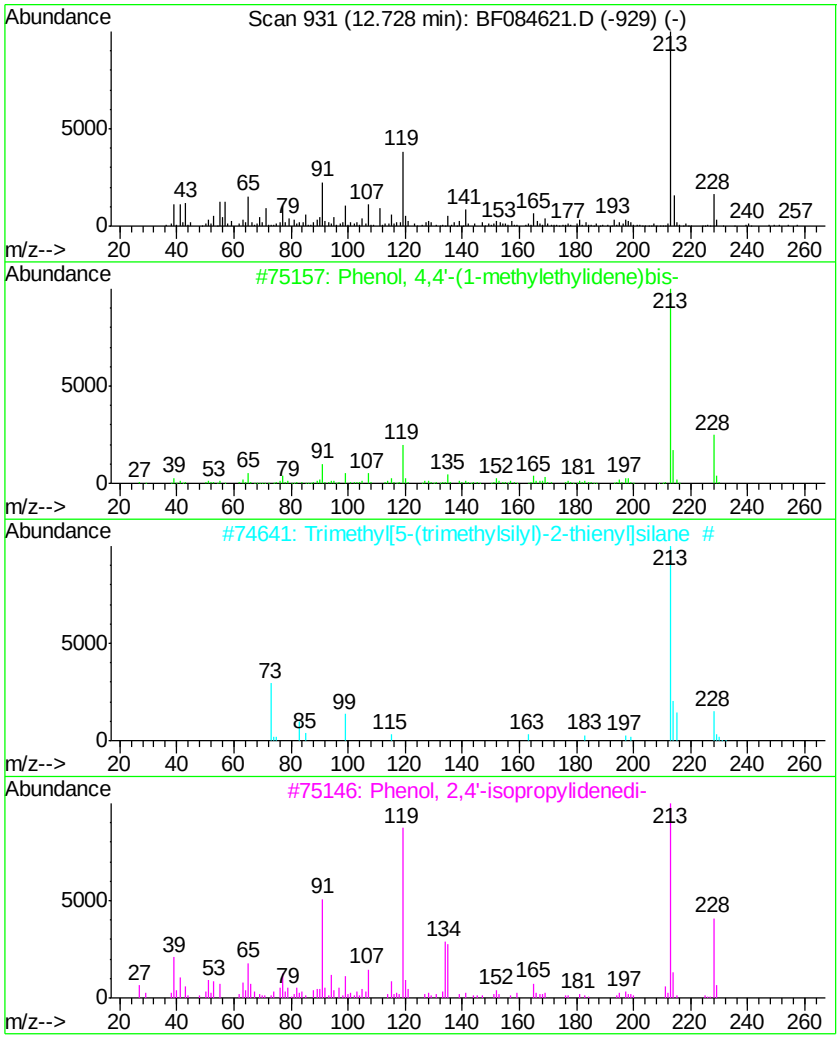
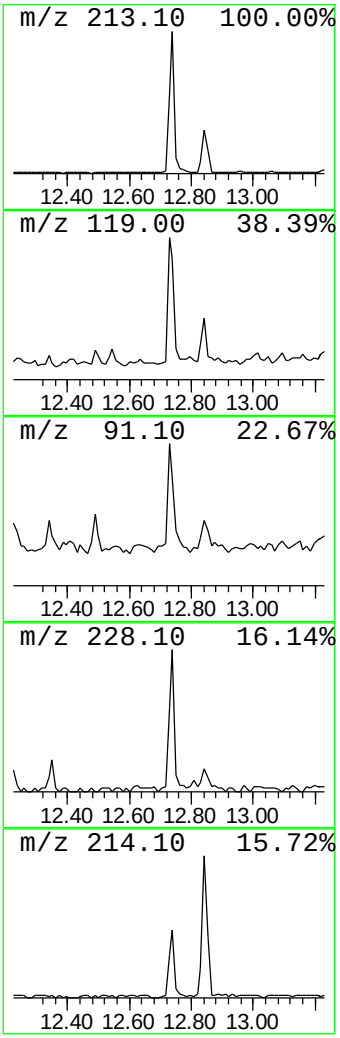
Peak Number 19 Phenol, 4,4'-(1-methylethyl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	6.29 ng	498815	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	93
2	Trimethyl[5-(trimethylsilyl)-2-t...	228	C10H20SSi2	017906-71-7	60
3	Phenol, 2,4'-isopropylidenedi-	228	C15H16O2	000837-08-1	49
4	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	45
5	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012716\
Data File : BF084621.D
Acq On : 27 Jan 2016 15:10
Operator : SJ/IZ
Sample : H1250-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

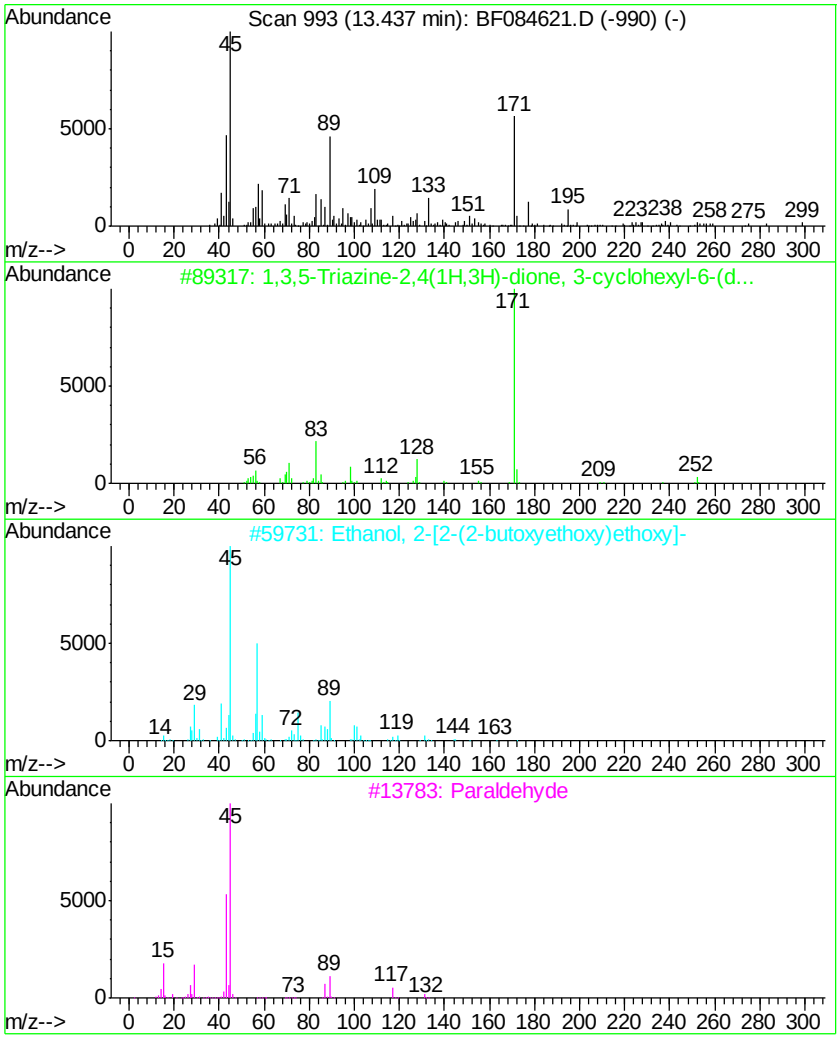
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

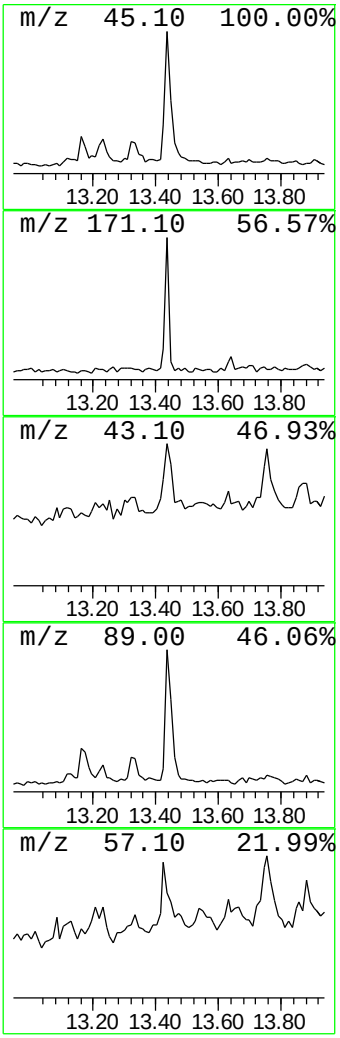
****

Peak Number 20 unknown13.44 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	5.08 ng	402716	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Triazine-2,4(1H,3H)-dione,...	252	C12H20N4O2	051235-04-2	35
2	Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	35
3	Paraldehyde	132	C6H12O3	000123-63-7	30
4	Propanoic acid, 2-hydroxy-, buty...	146	C7H14O3	000138-22-7	22
5	2-Propanol, 1-bromo-	138	C3H7BrO	019686-73-8	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012716\
Data File : BF084621.D
Acq On : 27 Jan 2016 15:10
Operator : SJ/IZ
Sample : H1250-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-24

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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-Penten-2-one, 4...	4.20	10.3	ng	511407	1	6.74	995972	20.0
2-Pentanone, 4-hy...	4.90	46.4	ng	2308290	1	6.74	995972	20.0
Butanoic acid, 3-...	5.08	12.7	ng	634178	1	6.74	995972	20.0
Butanoic acid, 2-...	5.24	6.7	ng	331364	1	6.74	995972	20.0
2-Pentanone, 4-me...	5.73	6.7	ng	332014	1	6.74	995972	20.0
unknown6.50	6.50	57.1	ng	2844240	1	6.74	995972	20.0
1-Hexanol, 2-ethyl-	6.81	15.4	ng	764601	1	6.74	995972	20.0
Hexanoic acid, 2-...	7.47	15.4	ng	1053480	2	8.02	1366400	20.0
Benzeneacetic acid	8.33	19.6	ng	1336710	2	8.02	1366400	20.0
2-Butenedioic aci...	9.16	34.7	ng	4120780	3	9.78	2372280	20.0
Vanillin	9.25	17.5	ng	2074550	3	9.78	2372280	20.0
Ethanone, 1-(4-hy...	9.71	5.5	ng	652034	3	9.78	2372280	20.0
7-Methoxymethyl-2...	10.06	7.3	ng	869645	3	9.78	2372280	20.0
Tributyl phosphate	10.43	5.0	ng	587377	3	9.78	2372280	20.0
unknown11.46	11.46	5.8	ng	557392	4	11.25	1935380	20.0
unknown12.49	12.49	5.6	ng	543486	4	11.25	1935380	20.0
Phenol, 4,4'-(1-m...	12.73	6.3	ng	498815	5	13.88	1585410	20.0
unknown13.44	13.44	5.1	ng	402716	5	13.88	1585410	20.0