LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-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_F\METHODS\8270-BF030717.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	4.790	250	254	257	rBV2	31861	64140	1.21%	0.071%
2	4.836	257	258	269	rVB	107460	241800	4.57%	0.268%
3	5.293	295	298	306	rBV	1326792	2669894	50.50%	2.956%
4	5.441	309	311	314	rVB	91223	107683	2.04%	0.119%
5	5.556	319	321	326	rVB2	34936	83156	1.57%	0.092%
6	5.659	326	330	333	rVB2	34184	73941	1.40%	0.082%
7	5.727	333	336	341	rBV3	41913	80217	1.52%	0.089%
8	5.830	343	345	348	rVV	268878	278010	5.26%	0.308%
9	5.910	348	352	355	rVB3	35921	79890	1.51%	0.088%
10	6.013	359	361	365	rVB2	31559	57343	1.08%	0.063%
11	6.093	365	368	370	rBV2	109173	152066	2.88%	0.168%
12	6.139	370	372	375	rVV	204030	348821	6.60%	0.386%
13	6.184	375	376	381	rVB2	73221	155603	2.94%	0.172%
14	6.321	386	388	390	rBV2	45334	71481	1.35%	0.079%
15	6.367	390	392	398	rBV	894414	1820130	34.43%	2.015%
16	6.470	398	401	405	rVB	3107257	4288517	81.12%	4.748%
17	6.573	408	410	413	rBV3	29134	67062	1.27%	0.074%
18	6.642	413	416	419	rBV3	121293	256263	4.85%	0.284%
19	6.687	419	420	426	rVB3	819130	1264022	23.91%	1.399%
20	6.779	426	428	431	rVB3	45238	64209	1.21%	0.071%
21	6.847	431	434	438	rBV2	3852908	5286648	100.00%	5.853%
22	6.939	441	442	445	rVB	564480	598951	11.33%	0.663%
23	7.030	447	450	453	rBV	844747	1128723	21.35%	1.250%
24	7.076	453	454	456	rVB	124378	97116	1.84%	0.108%
25	7.133	456	459	460	rBV2	31484	53117	1.00%	0.059%
26	7.236	463	468	469	rBV	1509231	2169653	41.04%	2.402%
27	7.270	469	471	474	rVB2	3084509	4190311	79.26%	4.639%
28	7.339	476	477	479	rVB	292669	279042	5.28%	0.309%
29	7.384	479	481	482	rBV	458785	428054	8.10%	0.474%
30	7.476	485	489	491	rBV2	889006	1388949	26.27%	1.538%
31	7.522	491	493	494	rVB2	62440	53181	1.01%	0.059%
32	7.544	494	495	496	rBV	114273	110151	2.08%	0.122%
33	7.590	496	499	500	rVB3	110222	165660	3.13%	0.183%
34	7.636	500	503	508	rVB2	879819	1700884	32.17%	1.883%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-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_F\METHODS\8270-BF030717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.727	508	511	512	rBV2	1587231	2300330	43.51%	2.547%
36	7.750	512	513	515	rVB	339077	401865	7.60%	0.445%
37	7.819	515	519	521	rBV3	694270	1209593	22.88%	1.339%
38	7.853	521	522	523	rVB	240409	164921	3.12%	0.183%
39	7.979	526	533	536	rBV3	1429269	4216423	79.76%	4.668%
40	8.025	536	537	539	rVB	675246	897483	16.98%	0.994%
41	8.070	539	541	543	rVB2	217725	355560	6.73%	0.394%
42	8.105	543	544	545	rBV	152760	198027	3.75%	0.219%
43	8.139	545	547	548	rVB	385898	304944	5.77%	0.338%
44	8.185	548	551	553	rVB	579481	661462	12.51%	0.732%
45	8.230	553	555	556	rBV	751314	1004298	19.00%	1.112%
46	8.367	565	567	570	rVB3	422215	598177	11.31%	0.662%
47	8.459	570	575	576	rBV2	601163	1340465	25.36%	1.484%
48	8.493	576	578	582	rVV2	476423	883135	16.71%	0.978%
49	8.573	582	585	586	rVV3	187940	310995	5.88%	0.344%
50	8.642	589	591	593	rVV	1027809	1174042	22.21%	1.300%
51	8.676	593	594	598	rVB3	312798	540993	10.23%	0.599%
52	8.756	598	601	602	rBV2	225956	412939	7.81%	0.457%
53	8.802	602	605	610	rVB	2573716	3315661	62.72%	3.671%
54	8.893	610	613	615	rVB3	292797	507542	9.60%	0.562%
55	8.939	615	617	619	rBV2	354185	580902	10.99%	0.643%
56	9.019	620	624	626	rBV4	296655	446946	8.45%	0.495%
57	9.065	626	628	630	rVB	4384630	4604383	87.09%	5.098%
58	9.099	630	631	634	rVB3	197723	321556	6.08%	0.356%
59	9.167	634	637	638	rBV3	210322	433509	8.20%	0.480%
60	9.213	638	641	642	rBV2	296695	487918	9.23%	0.540%
61	9.247	642	644	645	rBV2	238954	337563	6.39%	0.374%
62	9.328	649	651	655	rBV2	527344	1235325	23.37%	1.368%
63	9.396	655	657	659	rBV	818080	1474772	27.90%	1.633%
64	9.430	659	660	661	rVV	692996	514573	9.73%	0.570%
65	9.476	661	664	665	rVB3	120892	226258	4.28%	0.250%
66	9.602	673	675	676	rVB2	196752	211562	4.00%	0.234%
67	9.693	681	683	685	rBV2	538223	964649	18.25%	1.068%
68	9.739	685	687	690	rVV	1507651	1687440	31.92%	1.868%
69	9.796	690	692	694	rVB2	367095	367237	6.95%	0.407%
70	9.842	694	696	698	rBV3	204294	312544	5.91%	0.346%
71	9.922	700	703	707	rVB2	907152	1476572	27.93%	1.635%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-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_F\METHODS\8270-BF030717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.979	707	708	711	rVB3	259498	370273	7.00%	0.410%
73	10.059	711	715	716	rBV2	489515	923057	17.46%	1.022%
74	10.093	716	718	720	rVV2	495084	738593	13.97%	0.818%
75	10.139	720	722	723	rVB	521705	622243	11.77%	0.689%
76	10.276	731	734	738	rBV5	1234020	3354218	63.45%	3.714%
77	10.356	738	741	744	rVB3	1141354	1730946	32.74%	1.916%
78	10.482	749	752	754	rBV3	178882	429030	8.12%	0.475%
79	10.539	754	757	759	rBV	2247736	3528560	66.74%	3.907%
80	10.585	759	761	762	rVV	363118	454500	8.60%	0.503%
81	10.619	762	764	766	rVV	1030780	1215810	23.00%	1.346%
82	10.665	767	768	771	rVB	383284	407394	7.71%	0.451%
83	10.733	771	774	775	rBV2	196255	435667	8.24%	0.482%
84	11.088	802	805	807	rBV3	100643	222248	4.20%	0.246%
85	11.225	815	817	819	rBV	1208162	1304723	24.68%	1.444%
86	11.271	819	821	825	rVB2	154674	281393	5.32%	0.312%
87	11.693	855	858	861	rBV4	93617	186350	3.52%	0.206%
88	11.762	862	864	873	rVB2	481645	733363	13.87%	0.812%
89	11.888	873	875	878	rBV	96301	138541	2.62%	0.153%
90	12.459	922	925	929	rVB4	63768	150450	2.85%	0.167%
91	12.539	930	932	938	rVB	126266	187228	3.54%	0.207%
92	12.802	952	955	958	rBV	3959999	4179103	79.05%	4.627%
93	13.705	1032	1034	1039	rVB3	43904	90746	1.72%	0.100%
94	13.854	1045	1047	1050	rVB	1098610	1199202	22.68%	1.328%
95	14.665	1116	1118	1121	rBV	76417	81561	1.54%	0.090%
96	15.248	1166	1169	1177	rVB	599373	944875	17.87%	1.046%
97	16.048	1237	1239	1245	rVB2	28241	56528	1.07%	0.063%

Sum of corrected areas: 90323854

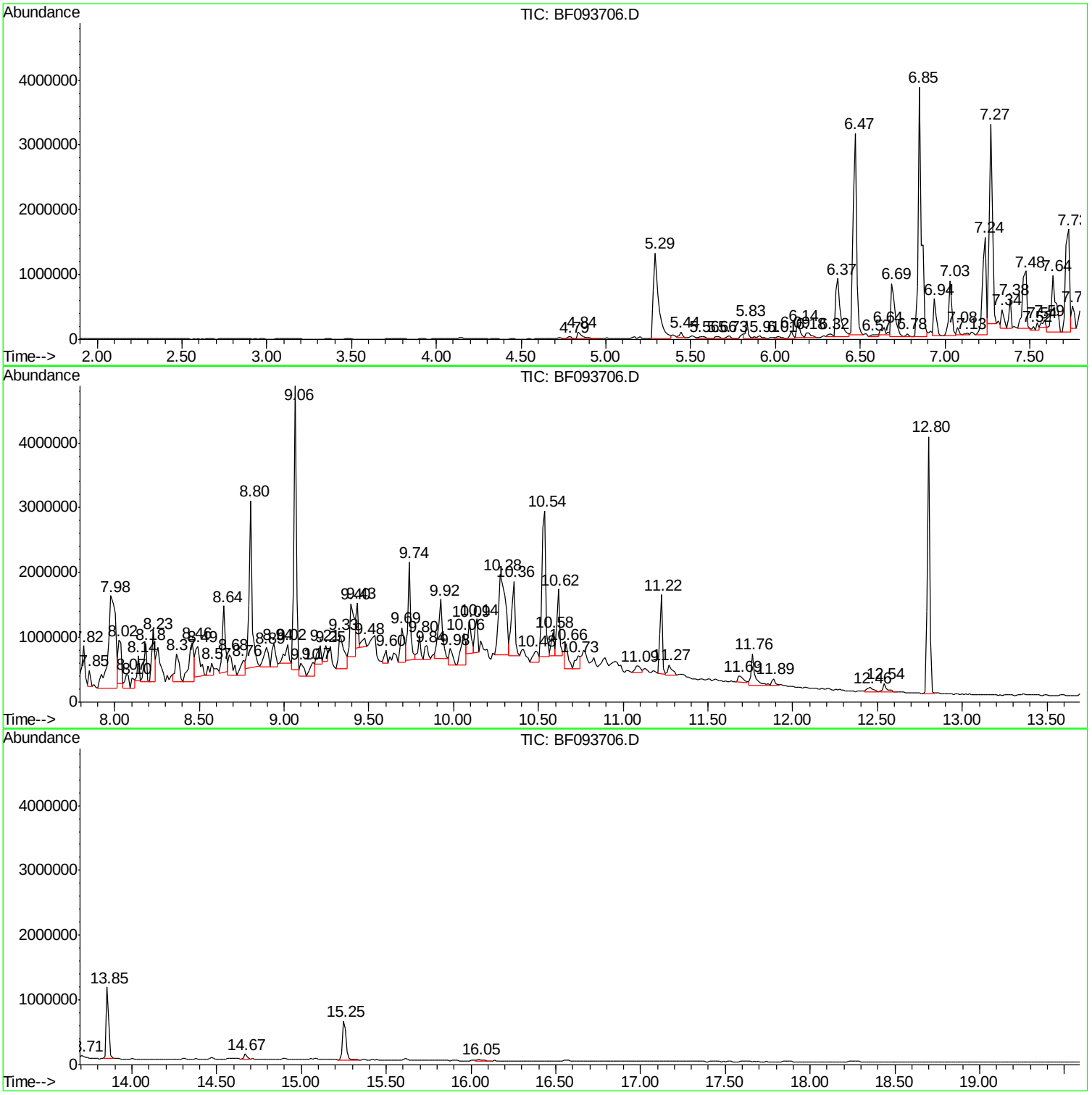
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.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\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

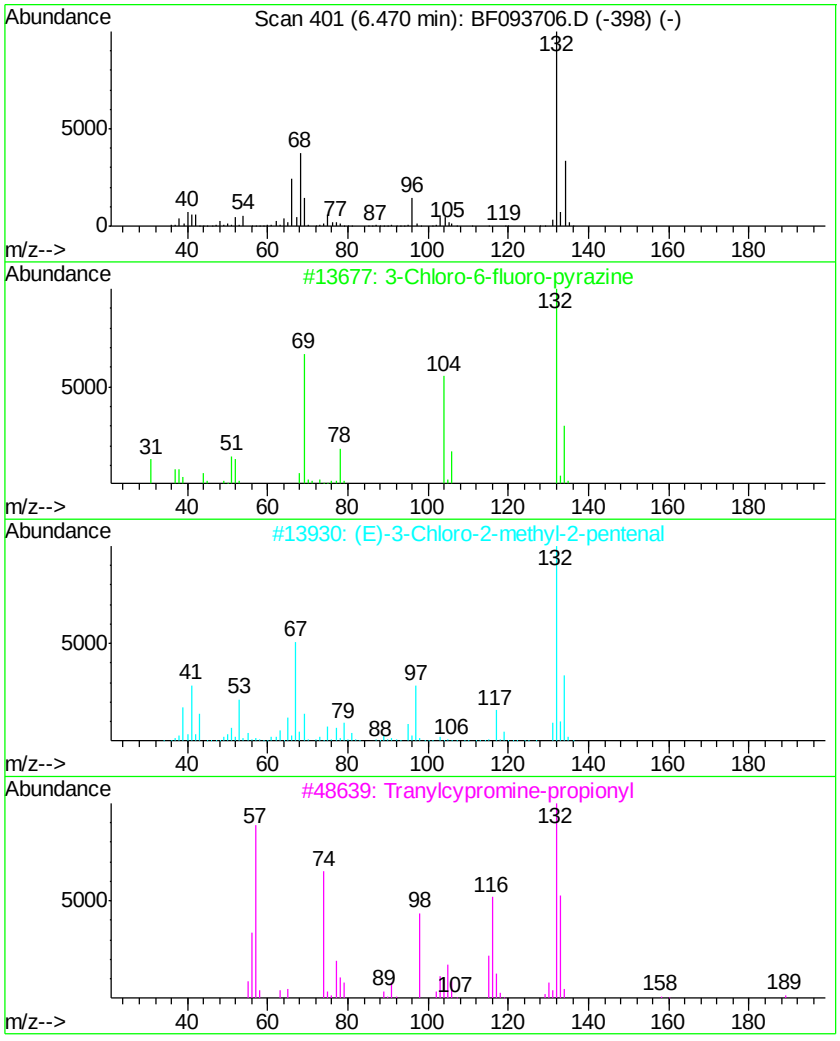
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

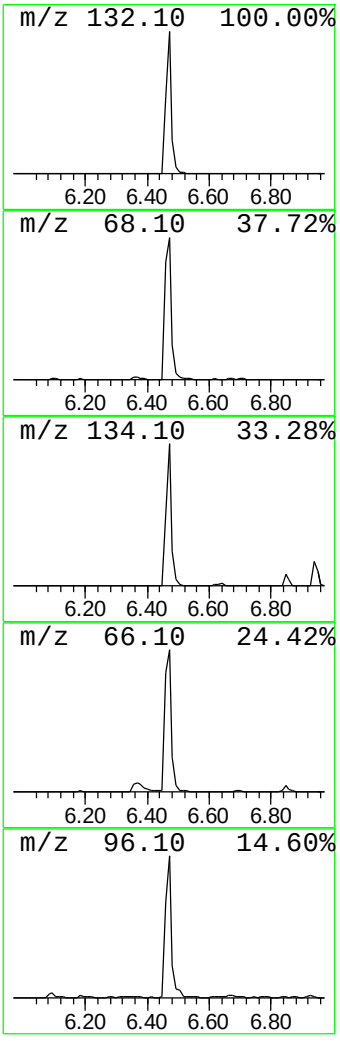
****

Peak Number 1 unknown6.47 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	67.86 ng	4288520	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

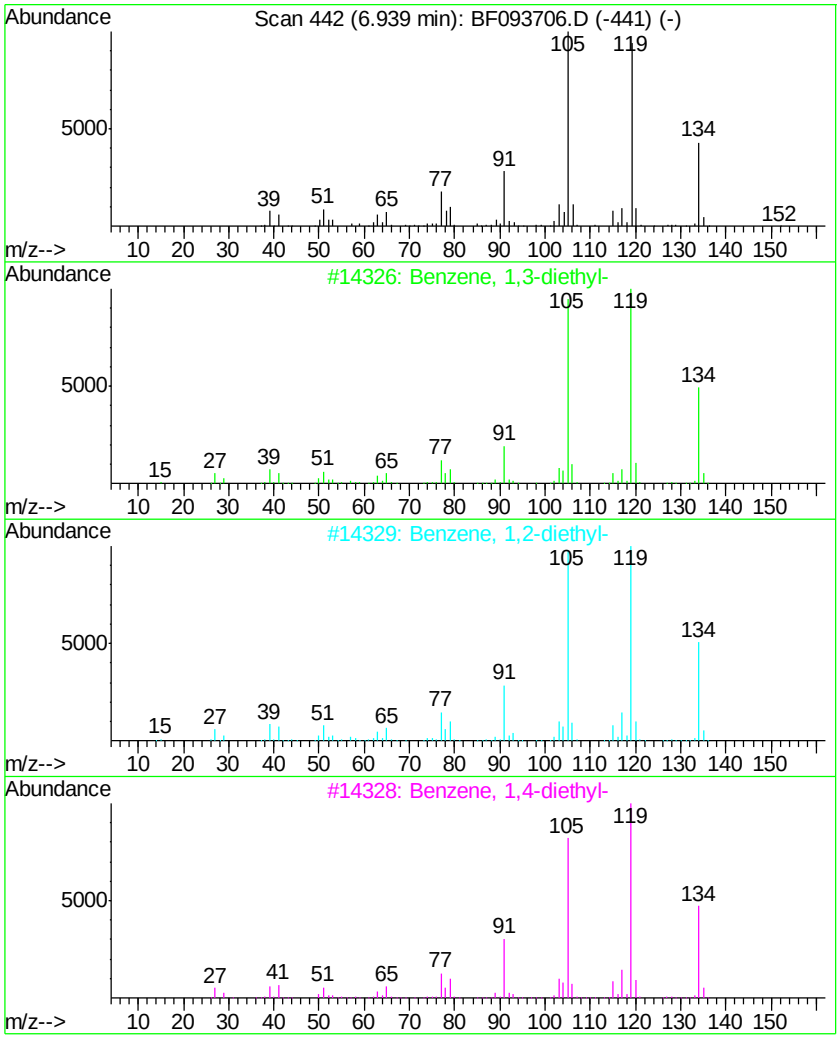
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

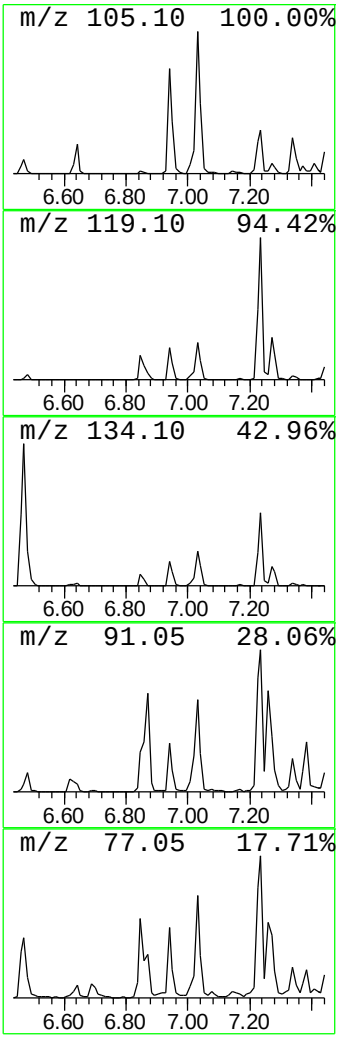
****

Peak Number 3 Benzene, 1,3-diethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	9.48 ng	598951	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

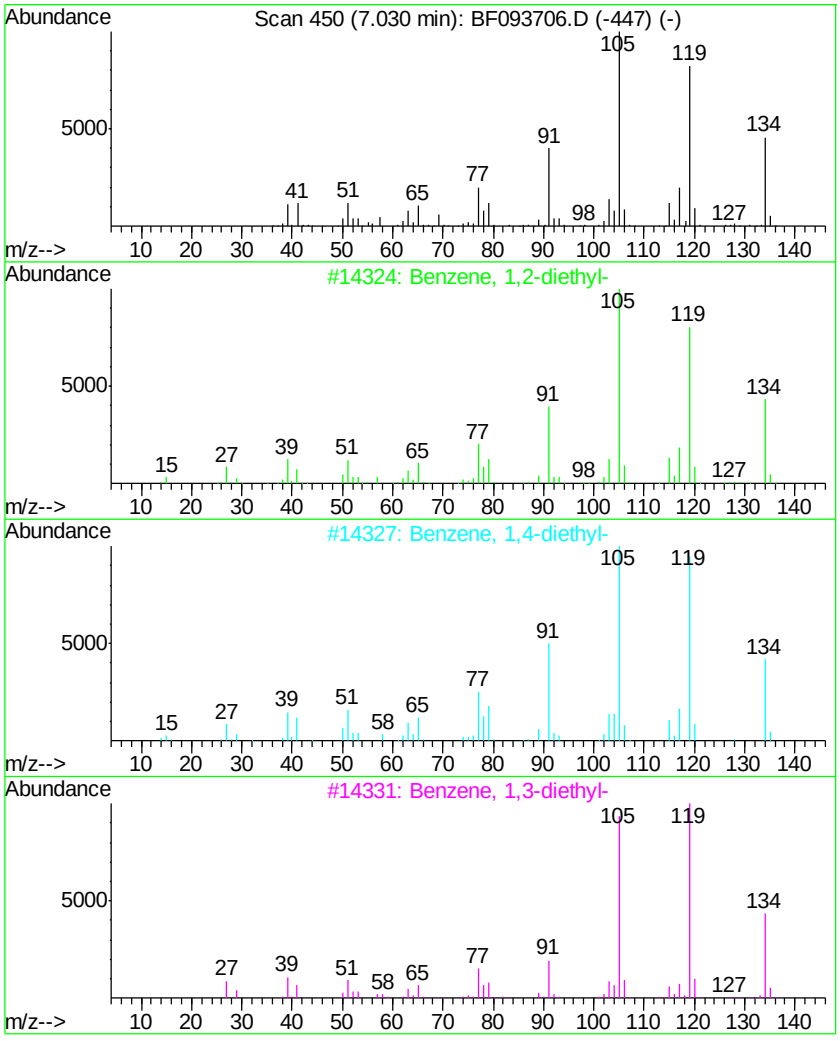
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

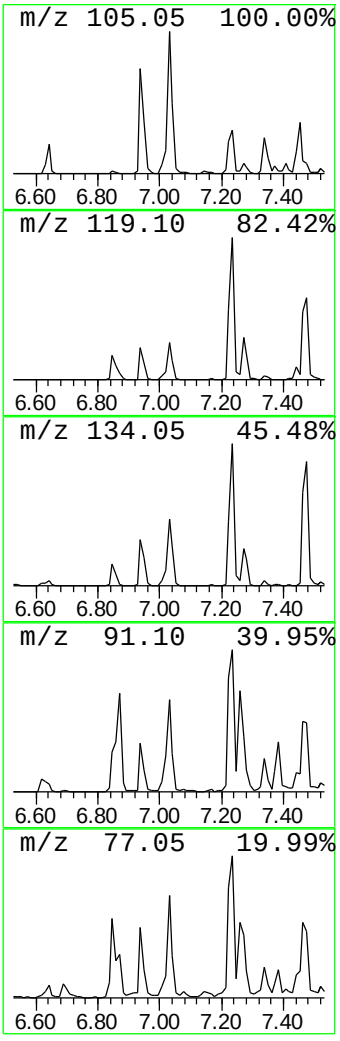
****

Peak Number 4 Benzene, 1,2-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	17.86 ng	1128720	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	98
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	68





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

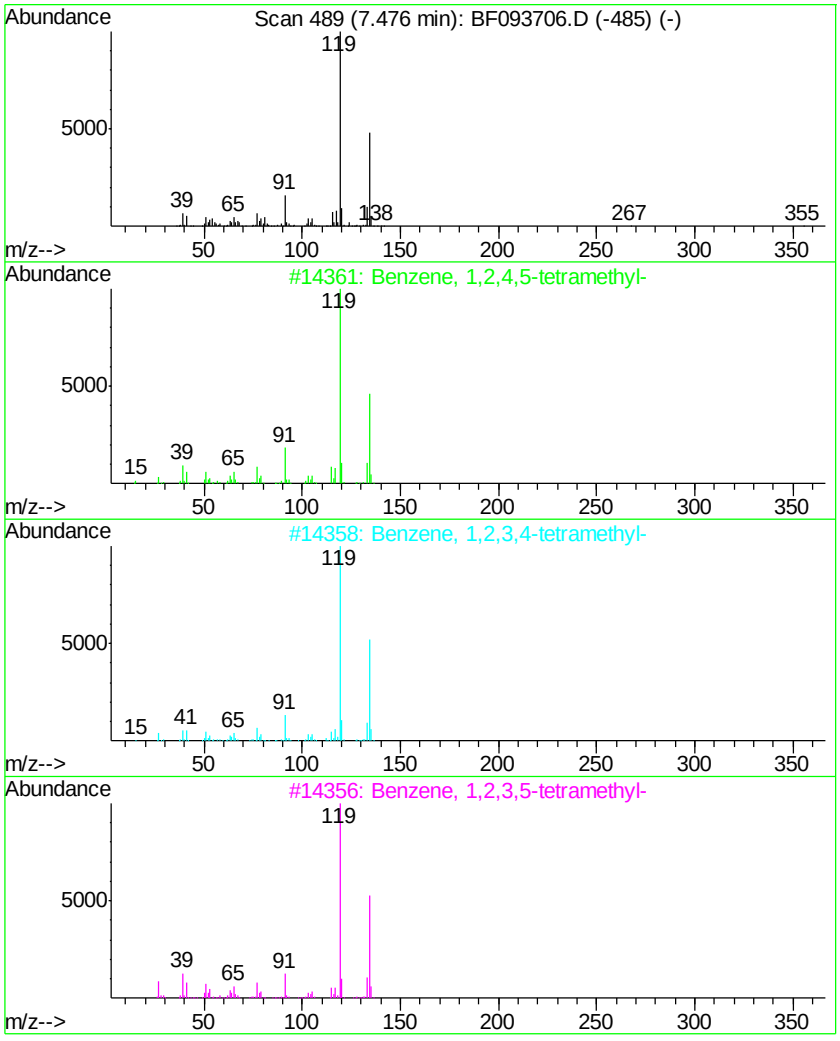
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

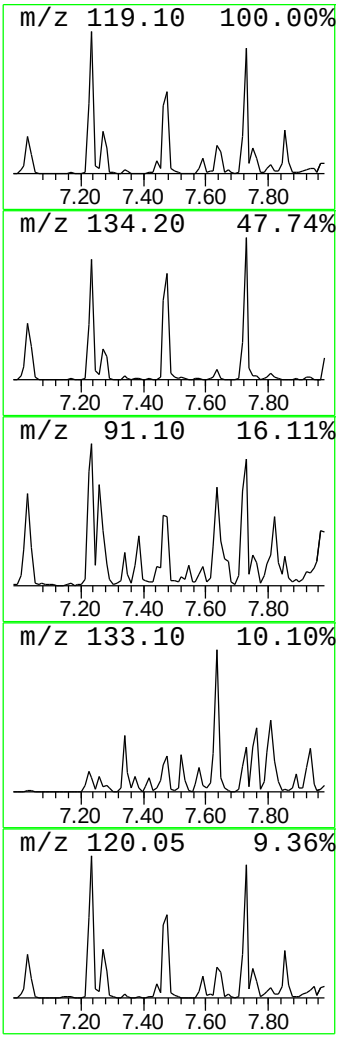
****

Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	6.59 ng	1388950	Naphthalene-d8	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

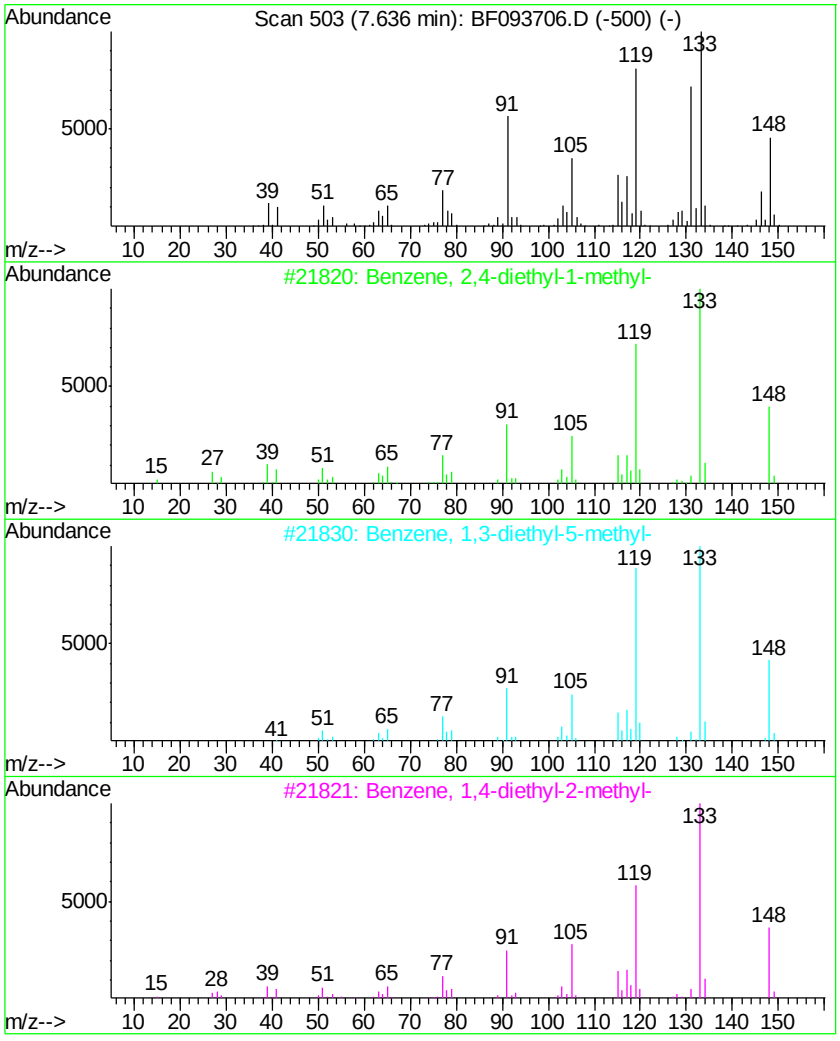
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

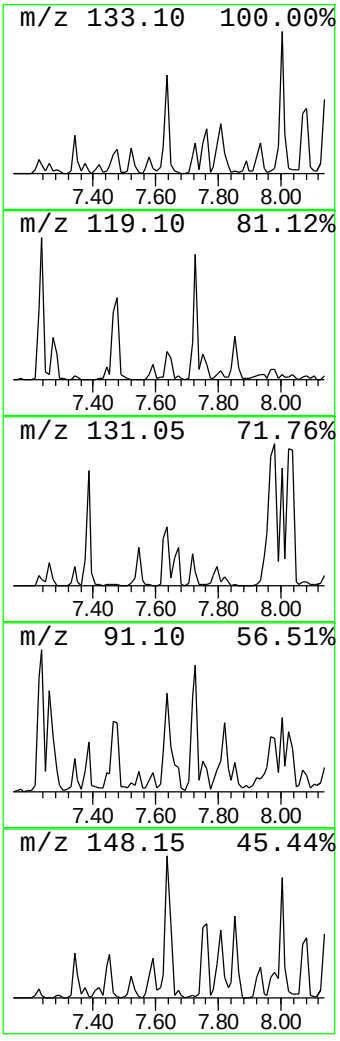
****

Peak Number 6 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	8.07 ng	1700880	Naphthalene-d8	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	76
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	76
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	68
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	53
5	3-Isopropylbenzaldehyde	148	C10H12O	034246-57-6	46





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

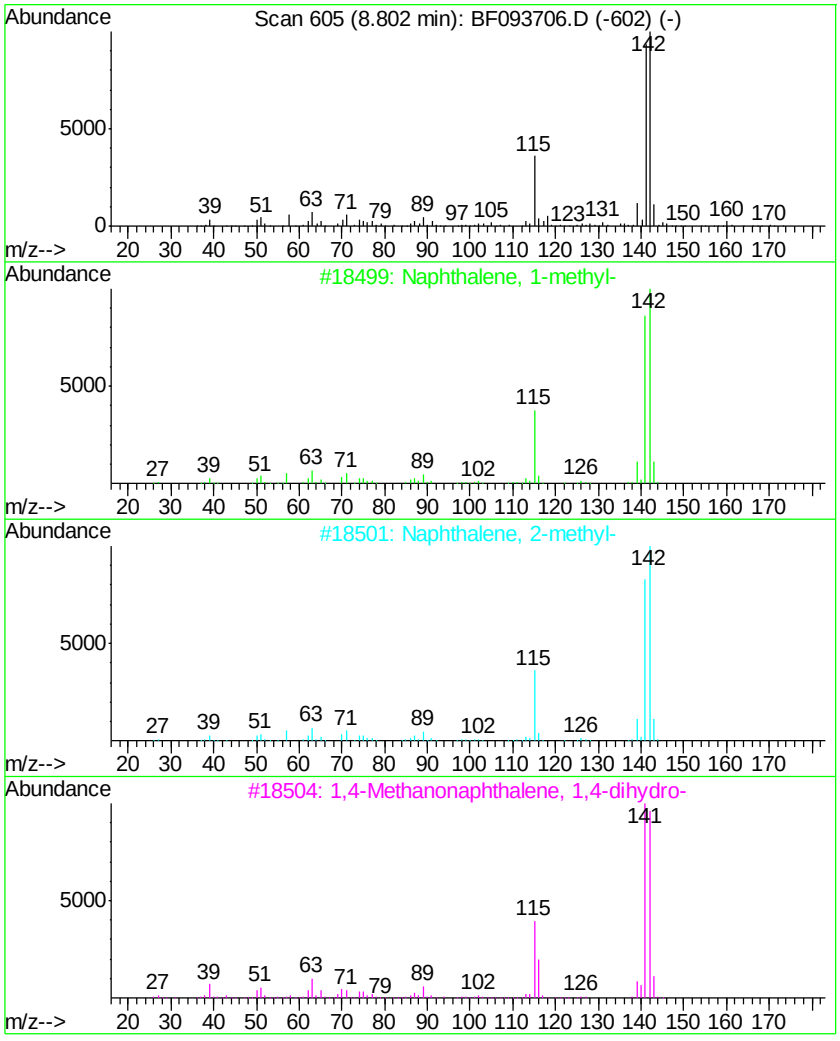
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

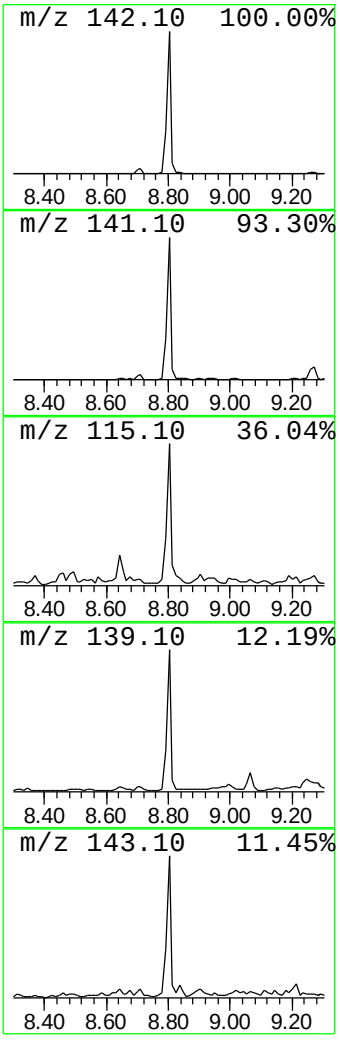
****

Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	15.73 ng	3315660	Naphthalene-d8	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	93
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

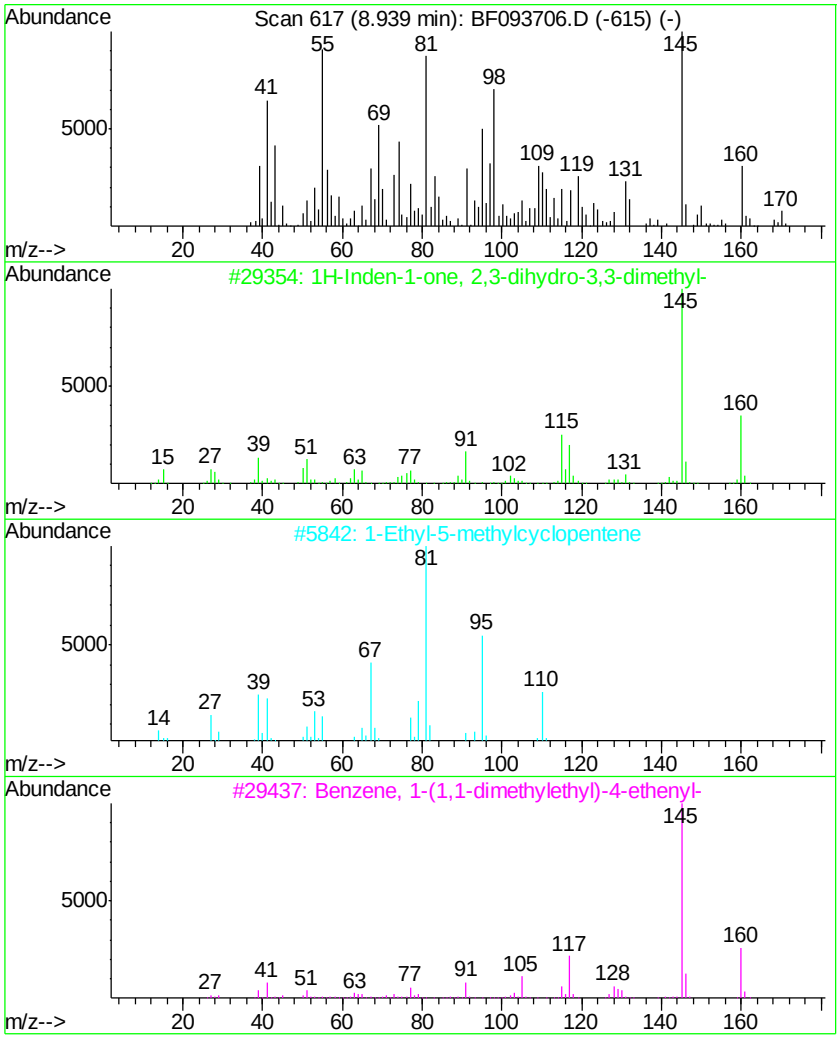
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

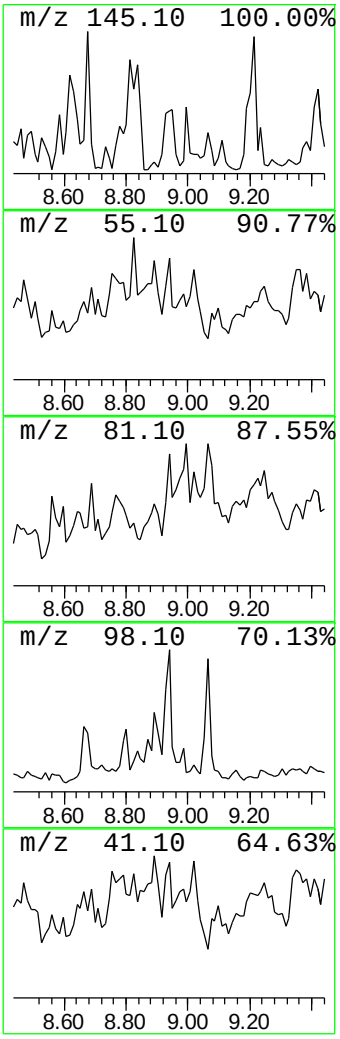
****

Peak Number 9 unknown8.94 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	6.89 ng	580902	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	35
2	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	27
3	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	25
4	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	18
5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	18





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

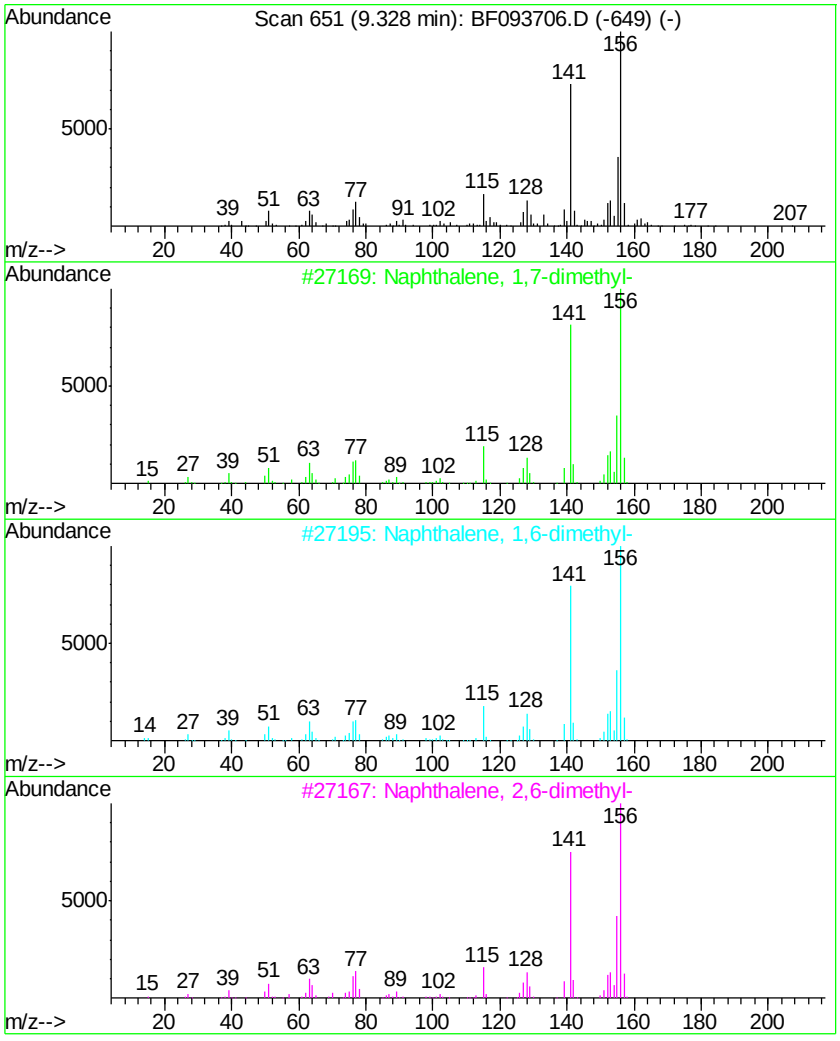
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

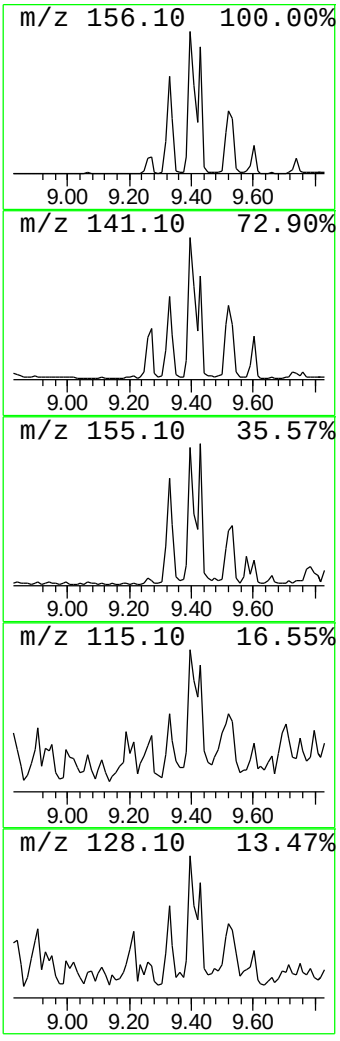
****

Peak Number 10 Naphthalene, 1,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	14.64 ng	1235330	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

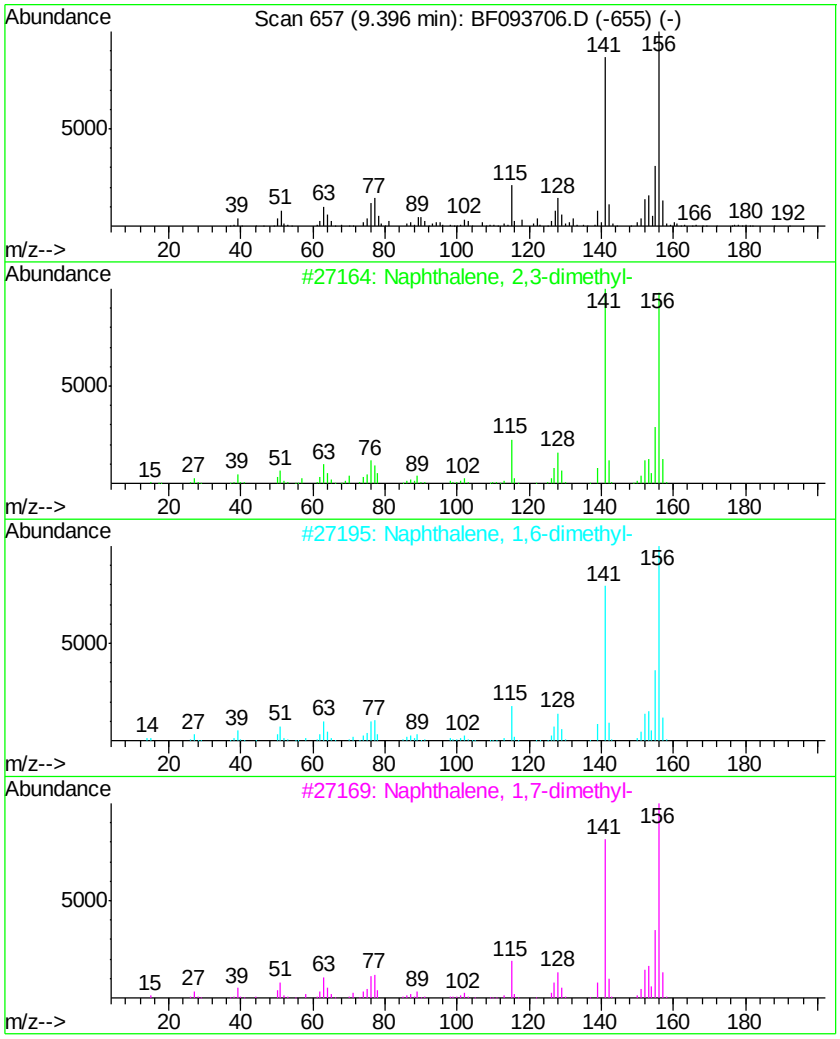
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

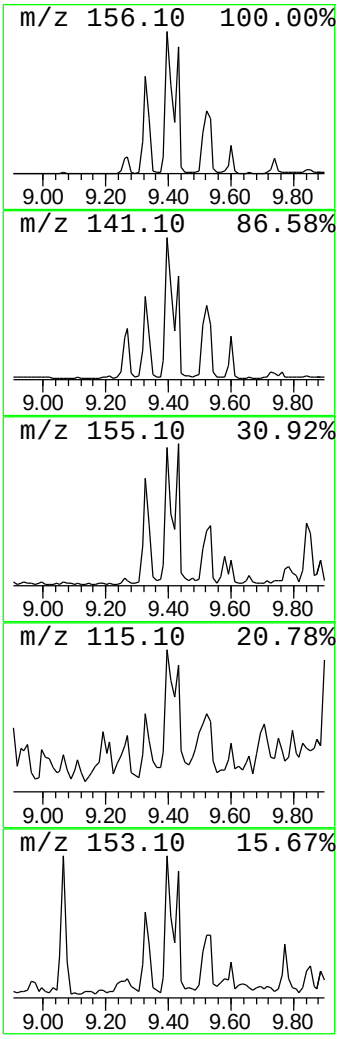
****

Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	17.48 ng	1474770	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

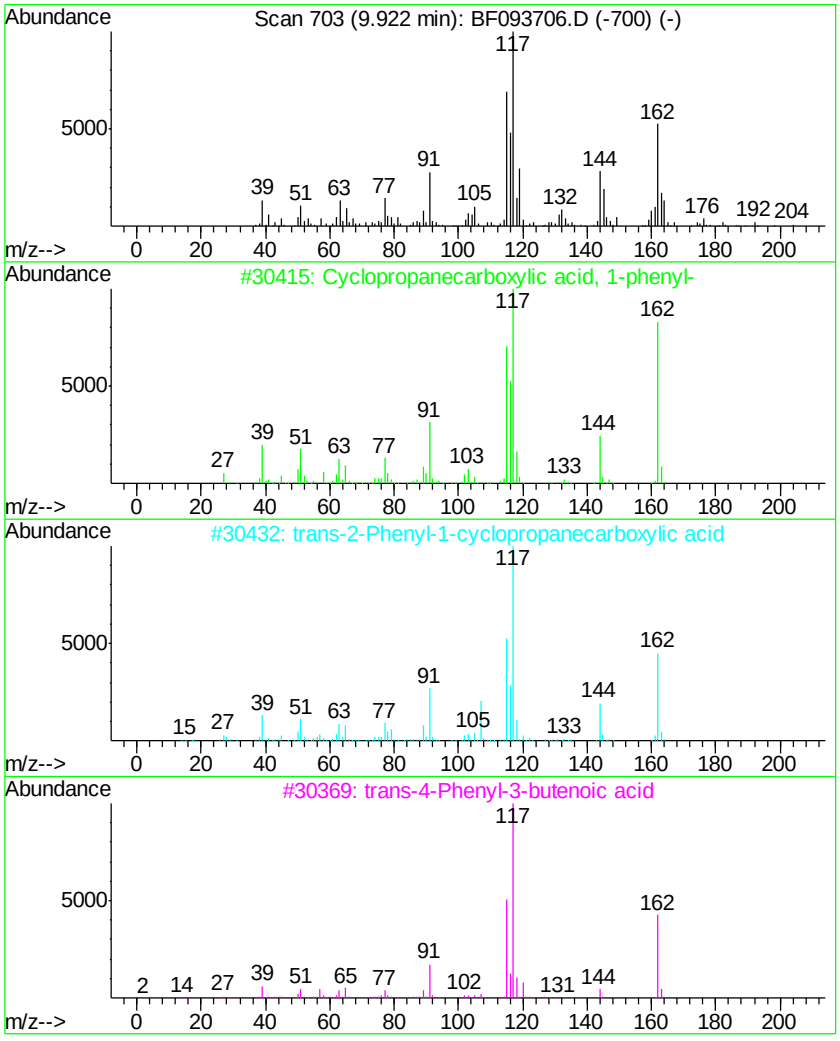
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

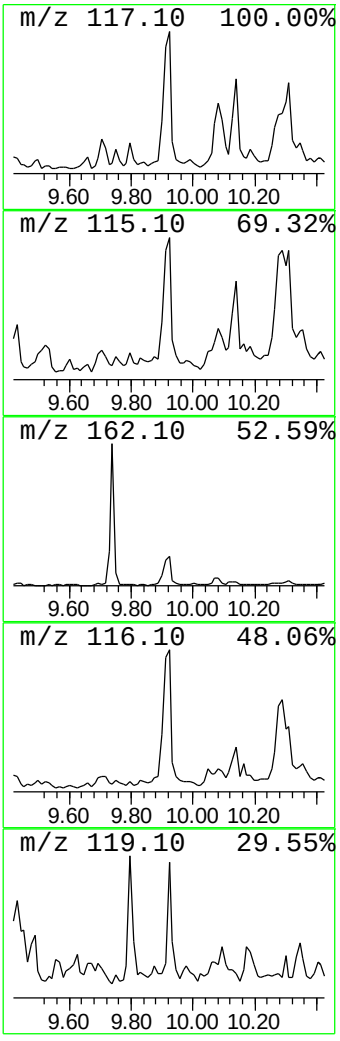
****

Peak Number 12 Cyclopropanecarboxylic acid... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	17.50 ng	1476570	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanecarboxylic acid, 1-p...	162	C10H10O2	006120-95-2	76
2	trans-2-Phenyl-1-cyclopropanecar...	162	C10H10O2	000939-90-2	62
3	trans-4-Phenyl-3-butenoic acid	162	C10H10O2	001914-58-5	49
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	47
5	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	46





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

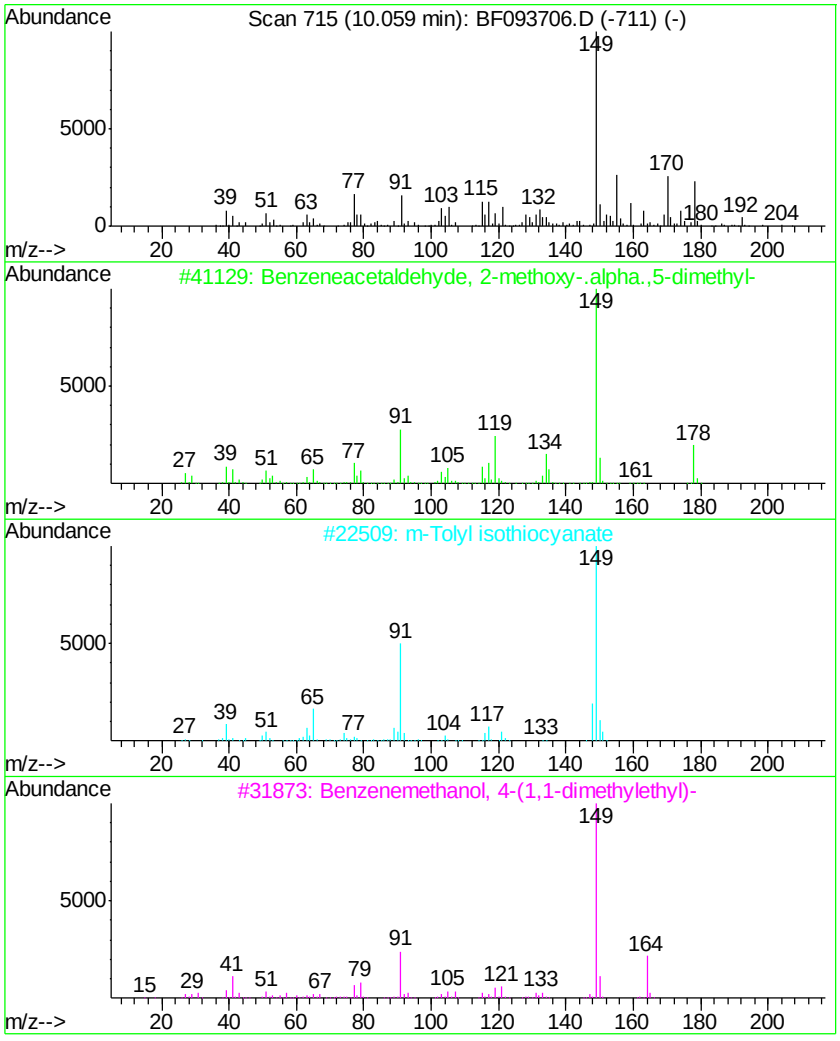
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

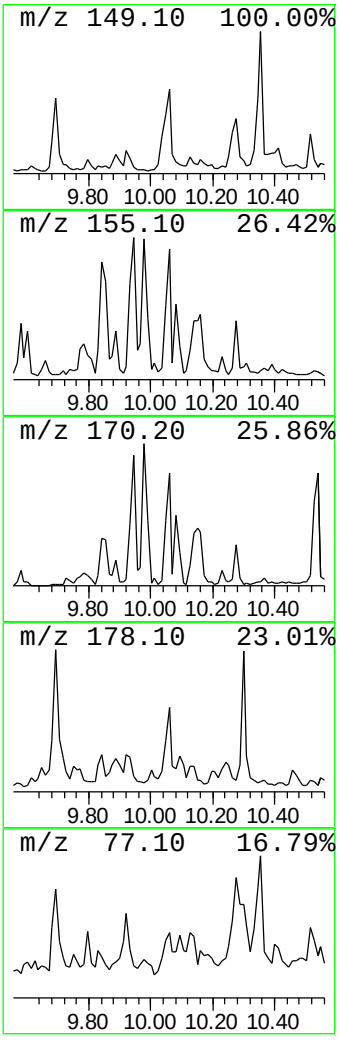
****

Peak Number 13 Benzeneacetaldehyde, 2-meth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	10.94 ng	923057	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, 2-methoxy-....	178	C11H14O2	053155-90-1	58
2	m-Tolyl isothiocyanate	149	C8H7NS	000621-30-7	43
3	Benzenemethanol, 4-(1,1-dimethyl...	164	C11H16O	000877-65-6	43
4	1,3-Cyclohexadiene, 1,3,5,5,6,6-...	164	C12H20	1000150-39-4	38
5	6-Methylthieno[2,3-b]pyridine	149	C8H7NS	001759-30-4	38





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

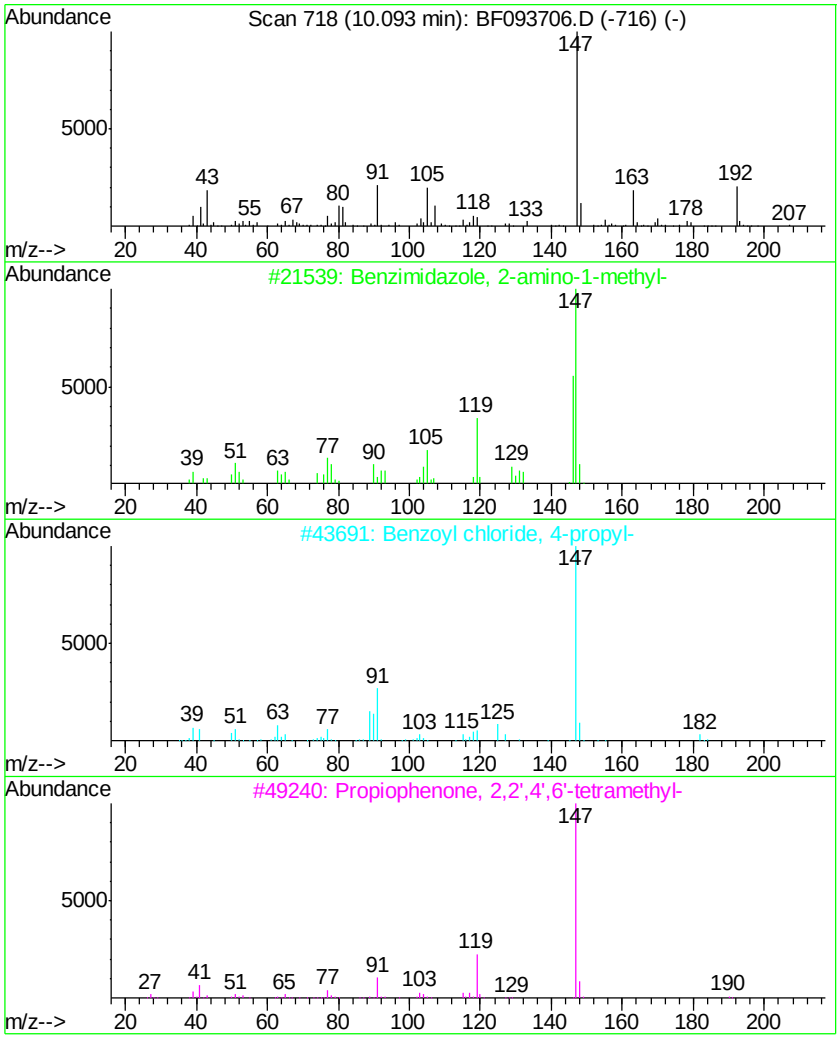
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

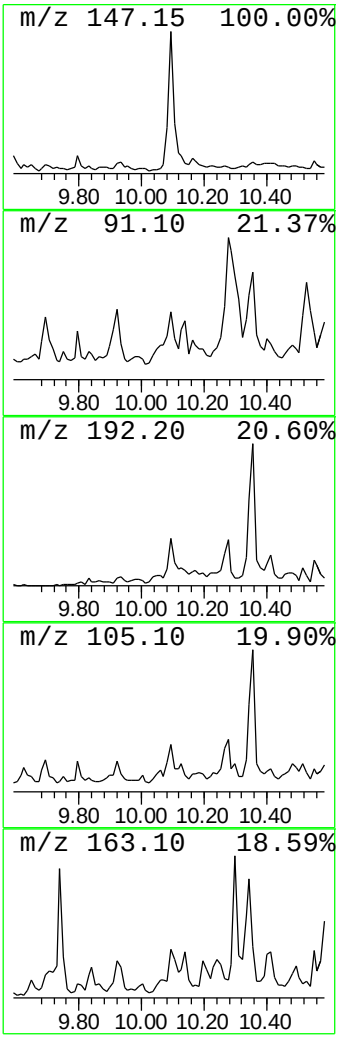
****

Peak Number 14 Benzimidazole, 2-amino-1-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	8.75 ng	738593	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzimidazole, 2-amino-1-methyl-	147	C8H9N3	001622-57-7	50
2	Benzoyl chloride, 4-propyl-	182	C10H11ClO	052710-27-7	43
3	Propiophenone, 2,2',4',6'-tetram...	190	C13H18O	002040-22-4	38
4	4-n-Propylacetophenone	162	C11H14O	002932-65-2	38
5	Benzoic acid, 4-propyl-, 4-cyano...	283	C17H14FNO2	086776-51-4	37





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

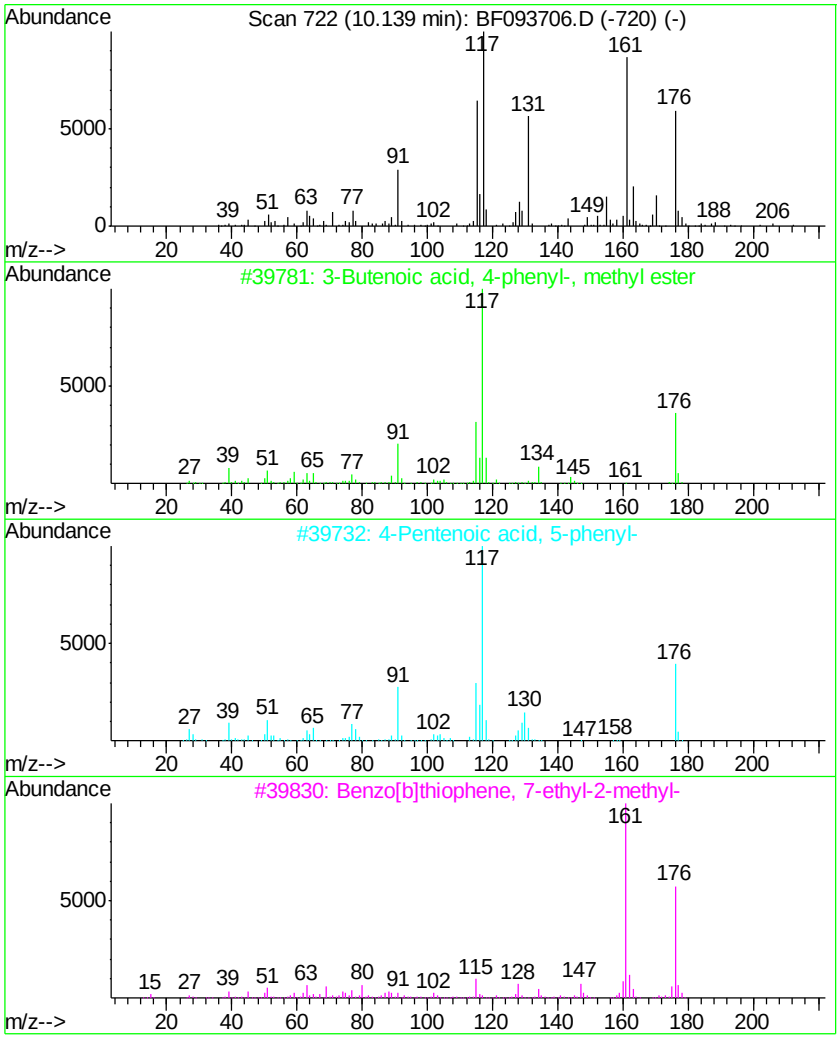
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

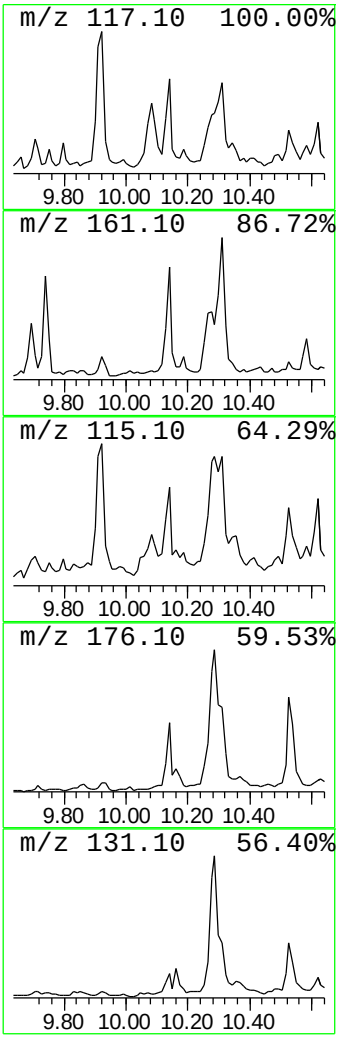
****

Peak Number 15 unknown10.14 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	7.37 ng	622243	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenoic acid, 4-phenyl-, meth...	176	C11H12O2	024891-74-5	35
2	4-Pentenoic acid, 5-phenyl-	176	C11H12O2	028525-69-1	35
3	Benzo[b]thiophene, 7-ethyl-2-met...	176	C11H12S	016587-44-3	27
4	3-Buten-2-one, 4-(4-methoxyphenyl)-	176	C11H12O2	000943-88-4	25
5	2-Acetyl-7-hydroxybenzofuran	176	C10H8O3	040020-87-9	22





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

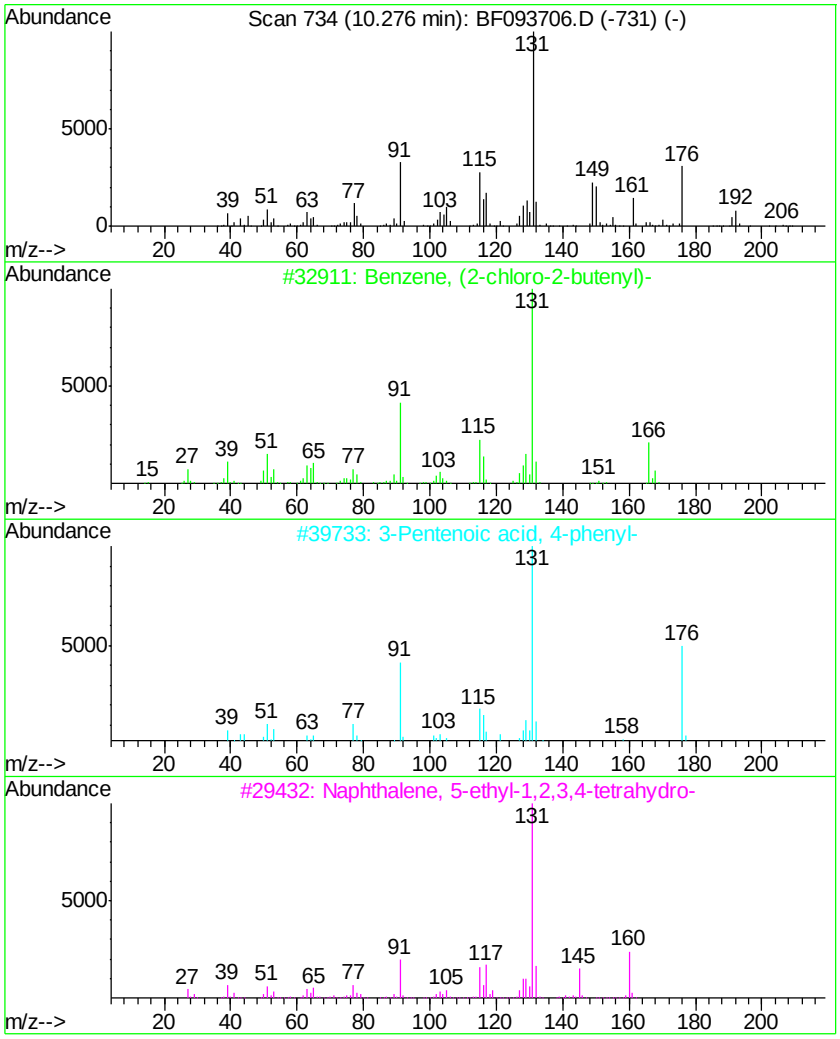
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

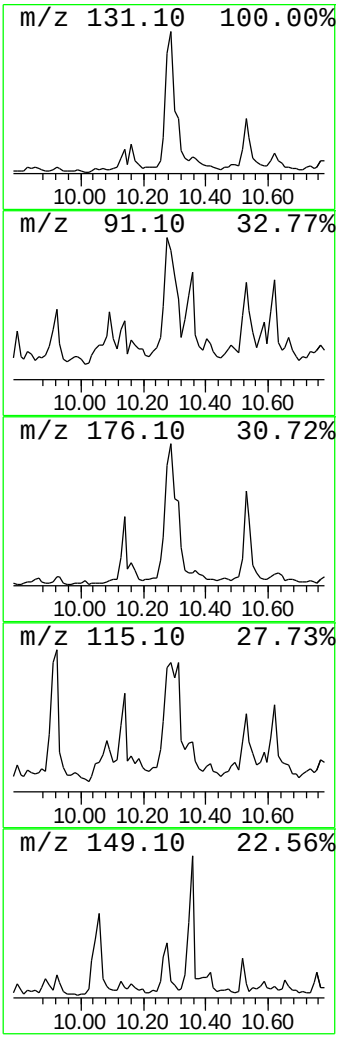
****

Peak Number 16 Benzene, (2-chloro-2-butenyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	39.76 ng	3354220	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	89
2	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	62
3	Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	47
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	47
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	47





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

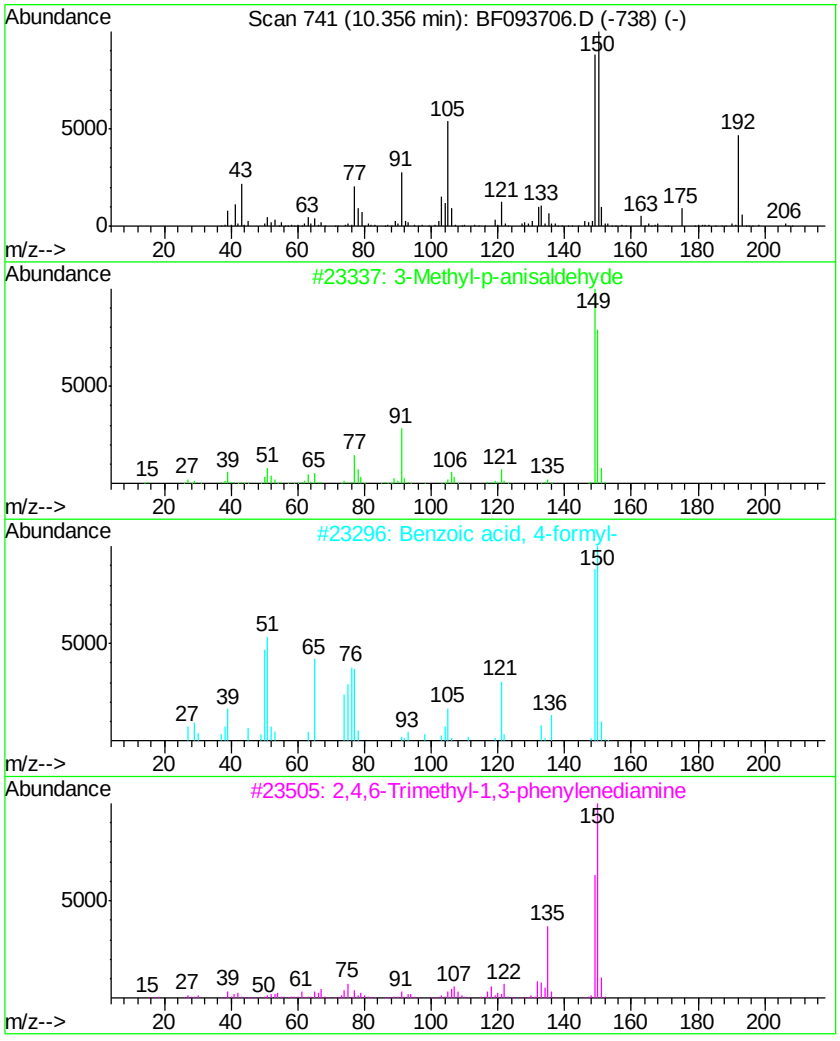
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

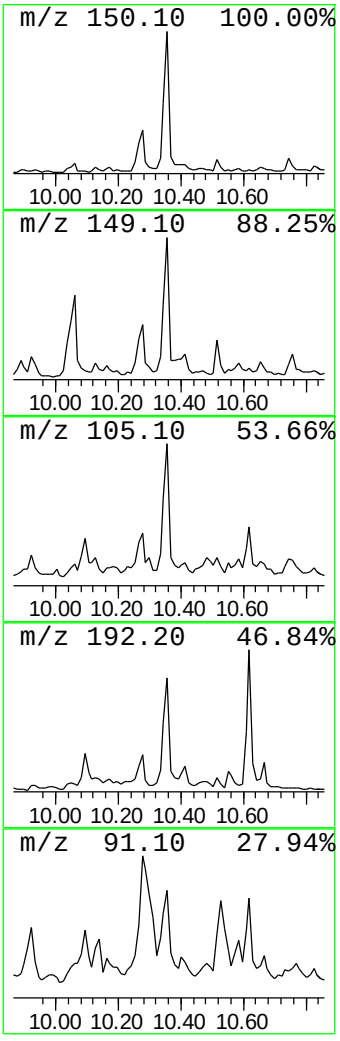
****

Peak Number 17 3-Methyl-p-anisaldehyde Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	20.52 ng	1730950	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-p-anisaldehyde	150	C9H10O2	032723-67-4	62
2	Benzoic acid, 4-formyl-	150	C8H6O3	000619-66-9	58
3	2,4,6-Trimethyl-1,3-phenylenedia...	150	C9H14N2	003102-70-3	58
4	2,3,5-Trimethyl-6-ethylpyrazine	150	C9H14N2	017398-16-2	50
5	1-(4-Methoxyphenyl)piperazine	192	C11H16N2O	038212-30-5	43





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

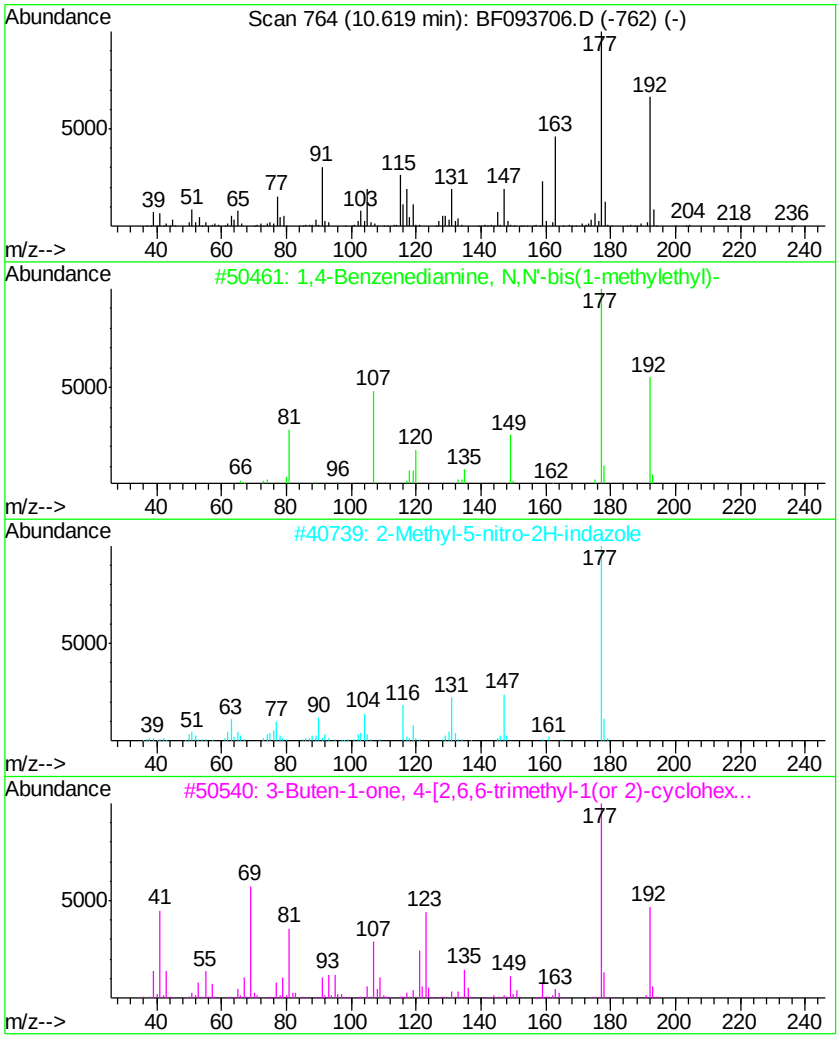
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

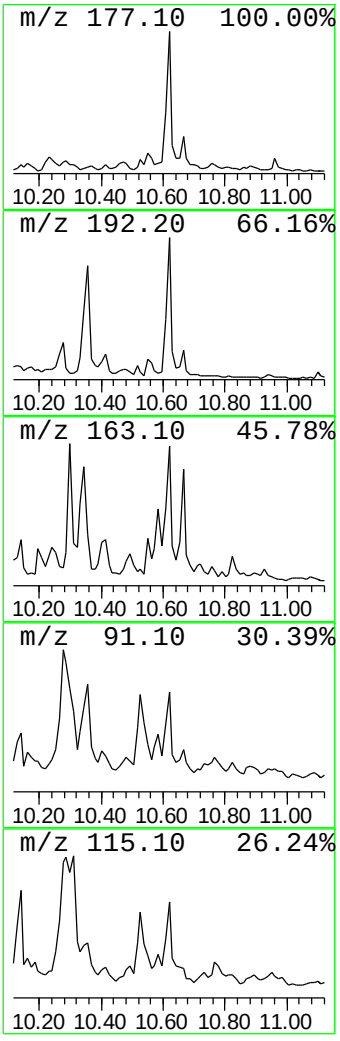
****

Peak Number 18 unknown10.62 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	18.64 ng	1215810	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenediamine, N,N'-bis(1-m...	192	C12H20N2	004251-01-8	46
2	2-Methyl-5-nitro-2H-indazole	177	C8H7N3O2	005228-48-8	43
3	3-Buten-1-one, 4-[2,6,6-trimethy...	192	C13H20O	085949-43-5	43
4	6-Isopropyl-benzothiazol-2-ylamine	192	C10H12N2S	032895-14-0	43
5	N-[4-(Ethyl-methyl-amino)-phenyl...	192	C11H16N2O	099981-45-0	43





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

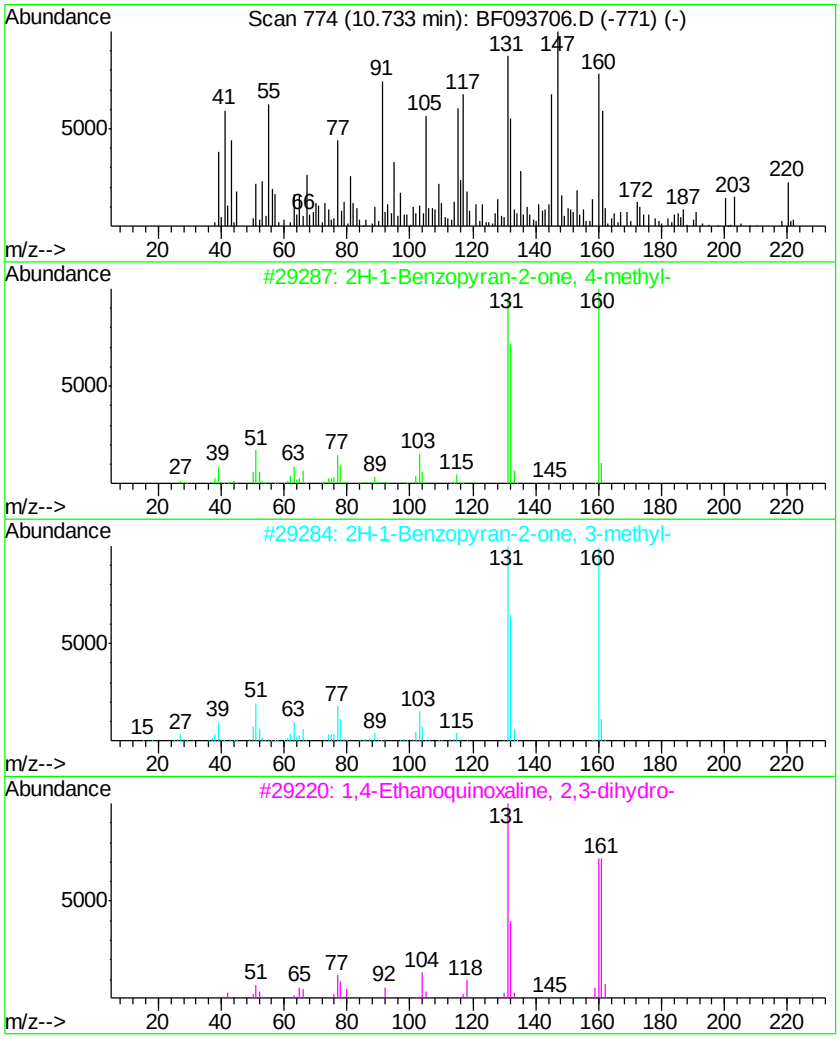
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

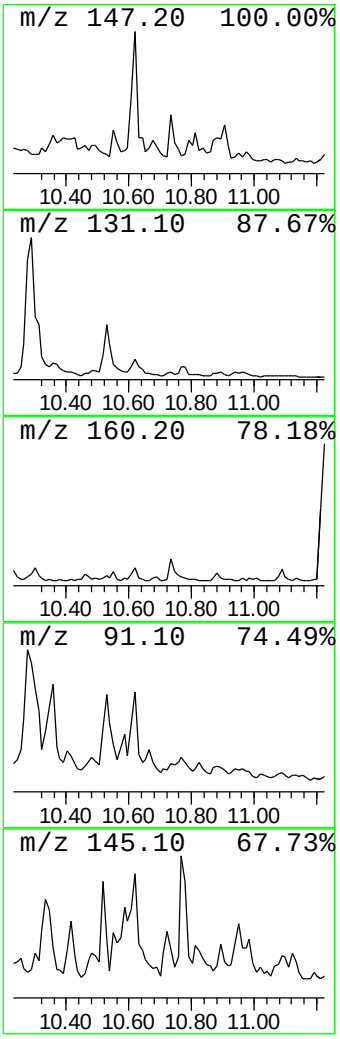
****

Peak Number 19 unknown10.73 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	6.68 ng	435667	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1-Benzopyran-2-one, 4-methyl-	160	C10H8O2	000607-71-6	38
2	2H-1-Benzopyran-2-one, 3-methyl-	160	C10H8O2	002445-82-1	38
3	1,4-Ethanoquinoxaline, 2,3-dihydro-	160	C10H12N2	007140-45-6	38
4	2-Benzyl-1,3-oxazol-2-ine	161	C10H11NO	010431-95-5	38
5	4-Hydroxy-6-methyl-1,5-naphthyri...	160	C9H8N2O	023443-24-5	35





Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

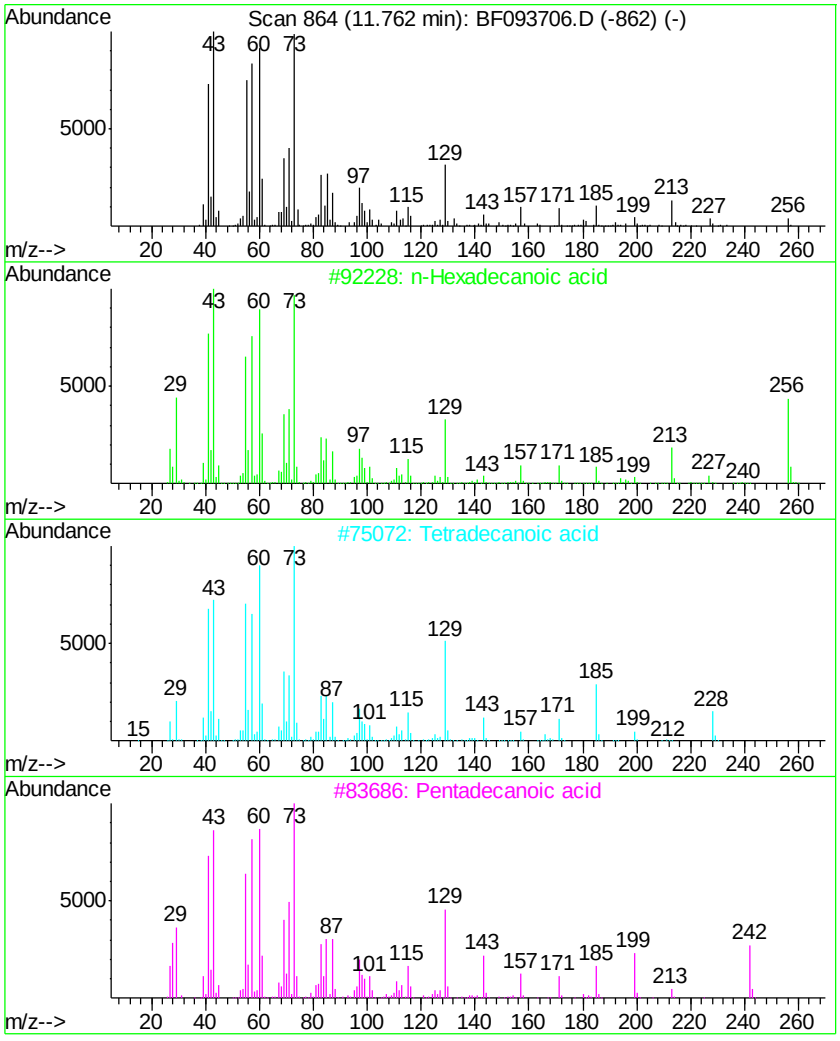
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

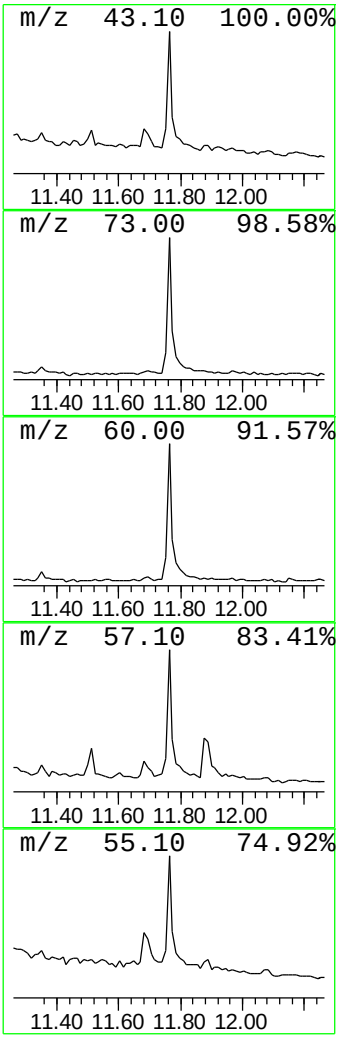
****

Peak Number 20 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	11.24 ng	733363	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tridecanoic acid	214	C13H26O2	000638-53-9	68
5	Undecanoic acid	186	C11H22O2	000112-37-8	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\Data\BF031617\
Data File : BF093706.D
Acq On : 16 Mar 2017 15:19
Operator : SJ/MA
Sample : I2255-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.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
unknown6.47	6.47	67.9	ng	4288520	1	6.69	1264020	20.0
Benzene, 1,3-diet...	6.94	9.5	ng	598951	1	6.69	1264020	20.0
Benzene, 1,2-diet...	7.03	17.9	ng	1128720	1	6.69	1264020	20.0
Benzene, 1,2,4,5-...	7.48	6.6	ng	1388950	2	7.99	4216420	20.0
Benzene, 2,4-diet...	7.64	8.1	ng	1700880	2	7.99	4216420	20.0
Naphthalene, 1-me...	8.80	15.7	ng	3315660	2	7.99	4216420	20.0
unknown8.94	8.94	6.9	ng	580902	3	9.74	1687440	20.0
Naphthalene, 1,7-...	9.33	14.6	ng	1235330	3	9.74	1687440	20.0
Naphthalene, 2,3-...	9.40	17.5	ng	1474770	3	9.74	1687440	20.0
Cyclopropanecarbo...	9.92	17.5	ng	1476570	3	9.74	1687440	20.0
Benzeneacetaldehy...	10.06	10.9	ng	923057	3	9.74	1687440	20.0
Benzimidazole, 2-...	10.09	8.8	ng	738593	3	9.74	1687440	20.0
unknown10.14	10.14	7.4	ng	622243	3	9.74	1687440	20.0
Benzene, (2-chlor...	10.28	39.8	ng	3354220	3	9.74	1687440	20.0
3-Methyl-p-anisal...	10.36	20.5	ng	1730950	3	9.74	1687440	20.0
unknown10.62	10.62	18.6	ng	1215810	4	11.22	1304720	20.0
unknown10.73	10.73	6.7	ng	435667	4	11.22	1304720	20.0
n-Hexadecanoic acid	11.76	11.2	ng	733363	4	11.22	1304720	20.0