LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
Data File : BF083791.D
Acq On : 15 Dec 2015 1:40
Operator : UM/IZ
Sample : G4779-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-41

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-BF121315.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	4.579	216	218	221	rBV	54050	69803	1.92%	0.192%
2	5.070	259	261	264	rVB	184093	230318	6.34%	0.635%
3	5.493	296	298	301	rVB	914623	1255969	34.59%	3.461%
4	6.064	346	348	350	rBV	76852	68908	1.90%	0.190%
5	6.522	386	388	390	rBV	1056572	876284	24.13%	2.415%
6	6.670	398	401	403	rBV	1995521	2410576	66.38%	6.643%
7	6.842	415	416	419	rVB2	66460	129808	3.57%	0.358%
8	6.899	419	421	423	rBV	859268	718124	19.78%	1.979%
9	7.059	432	435	436	rBV	2457139	2305550	63.49%	6.353%
10	7.082	436	437	439	rVV	107291	82693	2.28%	0.228%
11	7.150	441	443	448	rVB4	50293	56828	1.56%	0.157%
12	7.219	448	449	453	rBV2	107854	250614	6.90%	0.691%
13	7.459	466	470	474	rBV	1707326	2232592	61.48%	6.152%
14	7.550	476	478	480	rBV	132499	126200	3.48%	0.348%
15	7.596	480	482	484	rVV	124941	118249	3.26%	0.326%
16	7.676	485	489	491	rBV	422330	426106	11.73%	1.174%
17	7.836	501	503	508	rBV3	148126	351130	9.67%	0.968%
18	7.927	508	511	513	rBV	791805	778626	21.44%	2.146%
19	8.008	515	518	521	rBV2	44801	88215	2.43%	0.243%
20	8.065	521	523	526	rBV3	21858	47940	1.32%	0.132%
21	8.122	526	528	531	rBV2	74498	141797	3.90%	0.391%
22	8.179	531	533	537	rVV	979804	1339419	36.88%	3.691%
23	8.236	537	538	540	rVV	245473	193152	5.32%	0.532%
24	8.316	544	545	546	rVV	61241	45073	1.24%	0.124%
25	8.339	546	547	549	rVV2	48538	63316	1.74%	0.174%
26	8.385	549	551	553	rVV	245296	222817	6.14%	0.614%
27	8.430	553	555	556	rVV	246962	232799	6.41%	0.642%
28	8.465	556	558	561	rVV4	84329	150532	4.15%	0.415%
29	8.568	565	567	569	rVB	204826	189284	5.21%	0.522%
30	8.659	569	575	576	rBV2	121745	202130	5.57%	0.557%
31	8.693	576	578	580	rBV	109765	134413	3.70%	0.370%
32	8.750	581	583	584	rBV2	108668	110804	3.05%	0.305%
33	8.773	584	585	587	rVV2	43257	60616	1.67%	0.167%
34	8.808	587	588	590	rVV2	65861	109153	3.01%	0.301%

LSC Area Percent Report

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Acq On : 15 Dec 2015 1:40
Operator : UM/IZ
Sample : G4779-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-41

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-BF121315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.842	590	591	593	rVV	280505	296463	8.16%	0.817%
36	8.876	593	594	596	rVB2	67608	69363	1.91%	0.191%
37	8.990	602	604	611	rBV2	385102	661394	18.21%	1.823%
38	9.128	613	616	619	rVB3	104368	179915	4.95%	0.496%
39	9.196	621	622	623	rVV	111825	84469	2.33%	0.233%
40	9.265	625	628	629	rVV	3638610	3631454	100.00%	10.007%
41	9.288	629	630	632	rVB2	170488	133989	3.69%	0.369%
42	9.333	632	634	636	rBV3	26304	49995	1.38%	0.138%
43	9.379	636	638	639	rBV2	44120	63910	1.76%	0.176%
44	9.413	639	641	642	rVV2	128185	139292	3.84%	0.384%
45	9.436	642	643	645	rVB2	39774	47182	1.30%	0.130%
46	9.550	652	653	655	rBV	58759	99442	2.74%	0.274%
47	9.596	655	657	658	rVV2	221116	258274	7.11%	0.712%
48	9.619	658	659	661	rVV2	108934	148173	4.08%	0.408%
49	9.653	661	662	666	rVB	101081	161051	4.43%	0.444%
50	9.711	666	667	672	rVB4	94026	230555	6.35%	0.635%
51	9.802	672	675	676	rBV2	76457	141614	3.90%	0.390%
52	9.836	676	678	680	rVV	234336	235732	6.49%	0.650%
53	9.871	680	681	684	rVB2	70554	96875	2.67%	0.267%
54	9.939	684	687	689	rBV	1221894	1203993	33.15%	3.318%
55	10.019	689	694	695	rVB5	64868	86175	2.37%	0.237%
56	10.053	695	697	698	rBV	74829	100576	2.77%	0.277%
57	10.111	701	702	703	rVB	57268	39954	1.10%	0.110%
58	10.202	708	710	711	rBV2	47185	73392	2.02%	0.202%
59	10.248	711	714	716	rBV	326902	410257	11.30%	1.131%
60	10.282	716	717	718	rVV	147767	128411	3.54%	0.354%
61	10.305	718	719	722	rVB3	113305	163055	4.49%	0.449%
62	10.431	727	730	733	rVB3	640583	1059516	29.18%	2.920%
63	10.476	733	734	737	rBV3	86930	173708	4.78%	0.479%
64	10.648	745	749	750	rBV	180964	335423	9.24%	0.924%
65	10.728	753	756	758	rVV	2103525	2526166	69.56%	6.961%
66	10.773	758	760	763	rVV2	331463	432516	11.91%	1.192%
67	10.831	763	765	770	rVB2	171164	298812	8.23%	0.823%
68	11.048	782	784	786	rBV2	38590	48121	1.33%	0.133%
69	11.299	804	806	807	rVB	42616	38246	1.05%	0.105%
70	11.414	814	816	819	rBV2	862905	1028927	28.33%	2.835%
71	11.471	819	821	824	rVB2	34293	41282	1.14%	0.114%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
Data File : BF083791.D
Acq On : 15 Dec 2015 1:40
Operator : UM/IZ
Sample : G4779-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-41

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-BF121315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.894	856	858	861	rBV	41269	47514	1.31%	0.131%
73	11.962	861	864	868	rVB2	111598	162469	4.47%	0.448%
74	12.785	934	936	938	rVB	35948	40273	1.11%	0.111%
75	13.002	952	955	958	rBV	2939025	3515929	96.82%	9.689%
76	13.905	1032	1034	1039	rVB3	36768	73043	2.01%	0.201%
77	14.042	1044	1046	1049	rBV	766230	977974	26.93%	2.695%
78	15.483	1169	1172	1175	rBV	613523	733805	20.21%	2.022%

Sum of corrected areas: 36288517

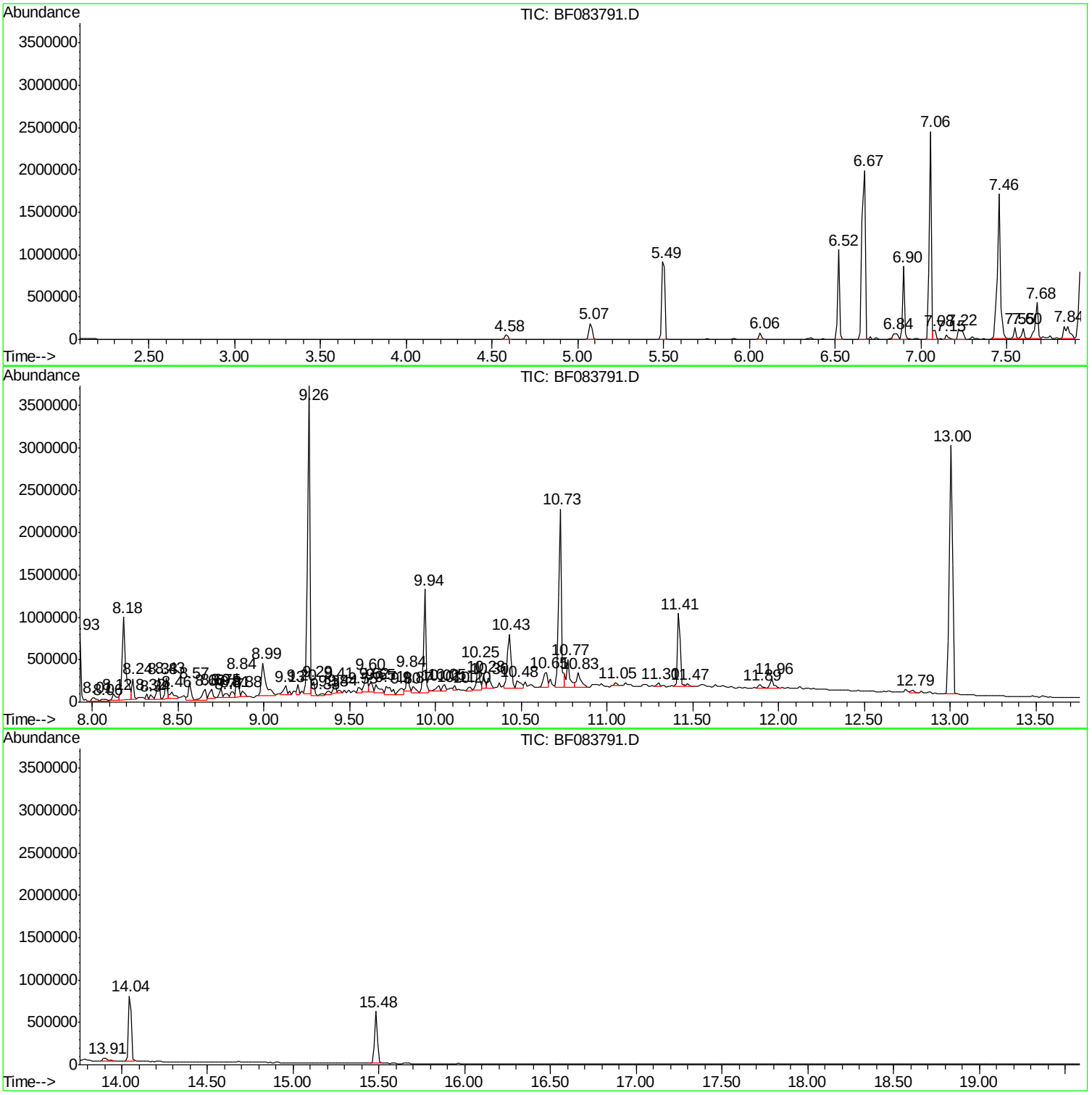
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
Data File : BF083791.D
Acq On : 15 Dec 2015 1:40
Operator : UM/IZ
Sample : G4779-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-41

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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\BF121415\
Data File : BF083791.D
Acq On : 15 Dec 2015 1:40
Operator : UM/IZ
Sample : G4779-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-41

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

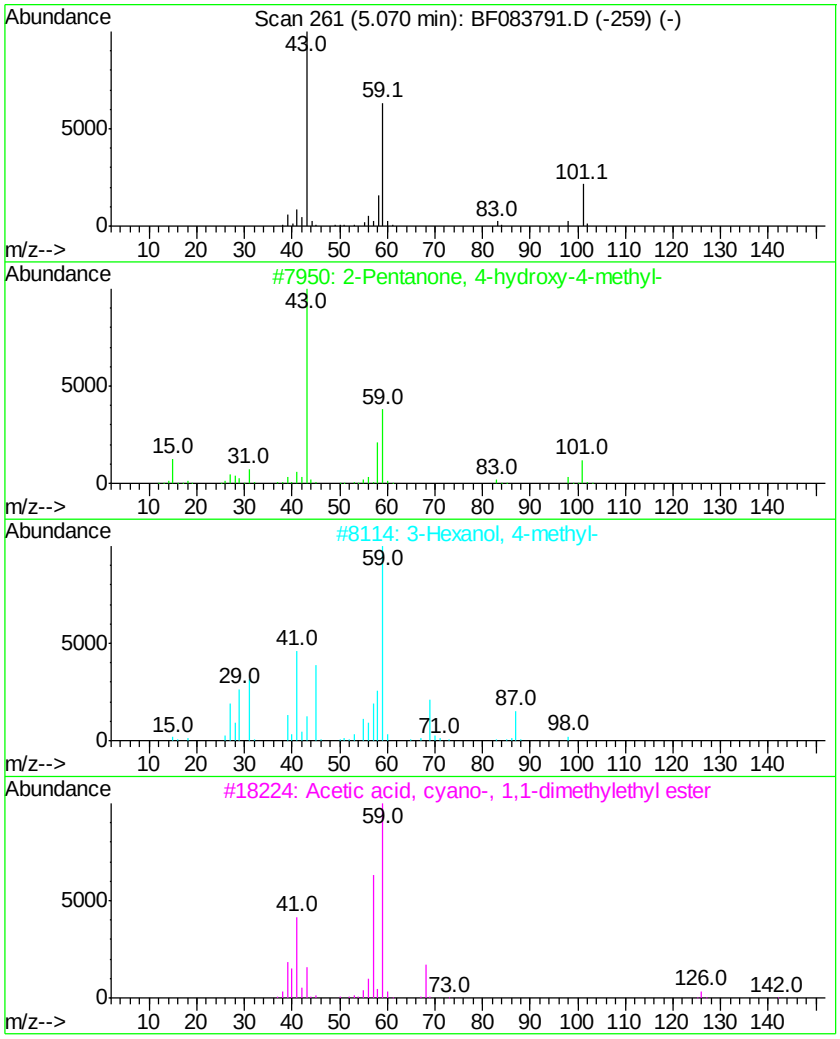
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

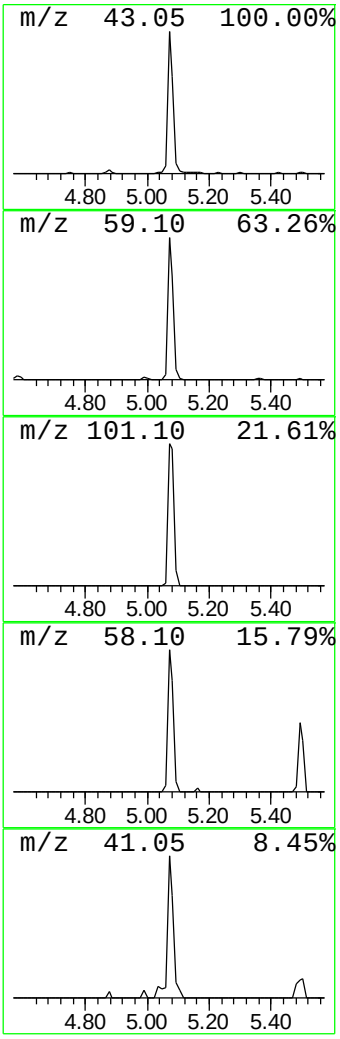
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	6.41 ng	230318	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
Data File : BF083791.D
Acq On : 15 Dec 2015 1:40
Operator : UM/IZ
Sample : G4779-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-41

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

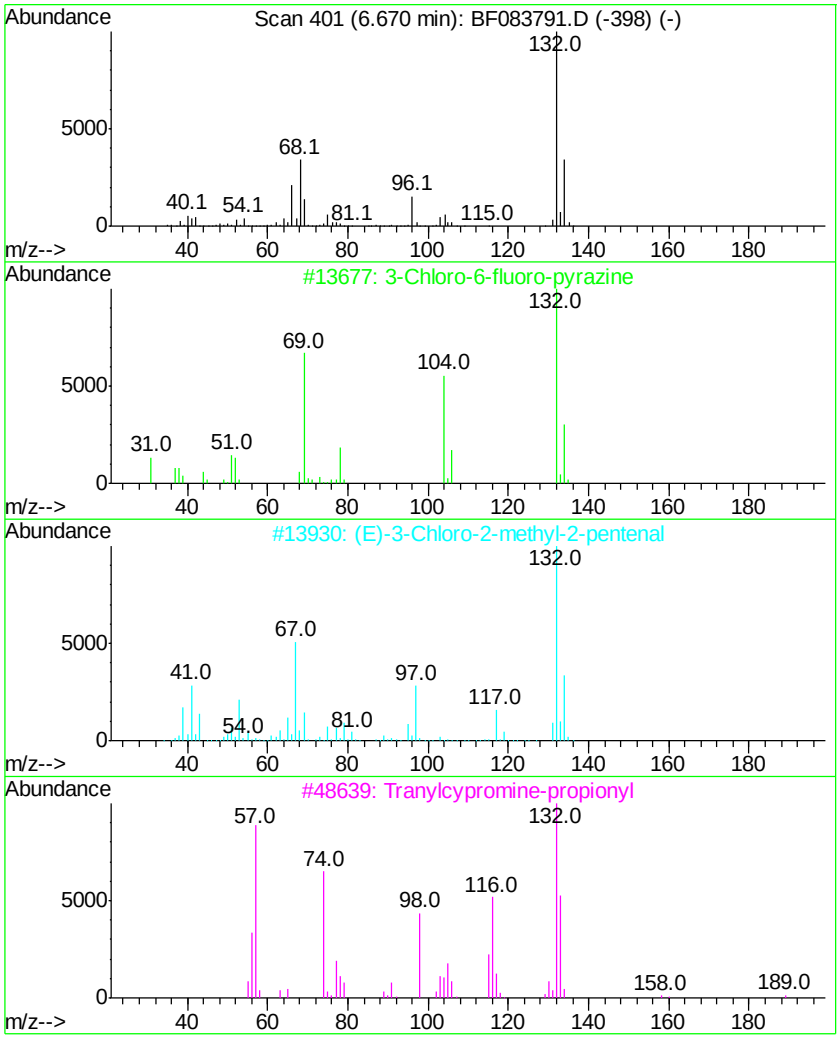
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

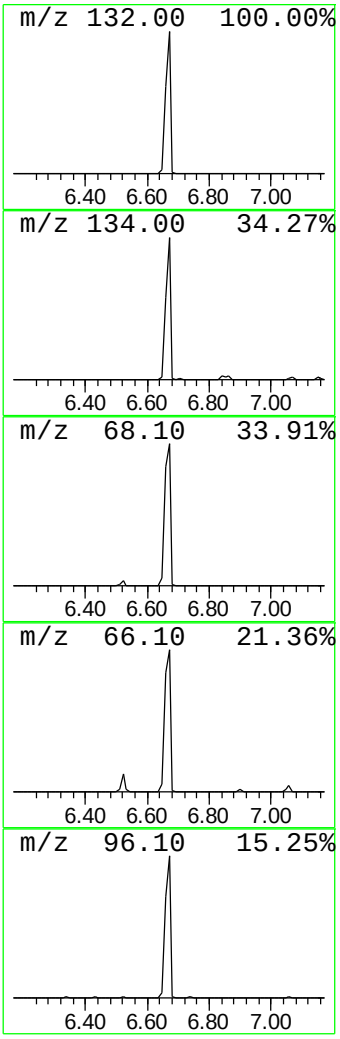
****

Peak Number 2 unknown6.67 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	67.14 ng	2410580	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
Data File : BF083791.D
Acq On : 15 Dec 2015 1:40
Operator : UM/IZ
Sample : G4779-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-41

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

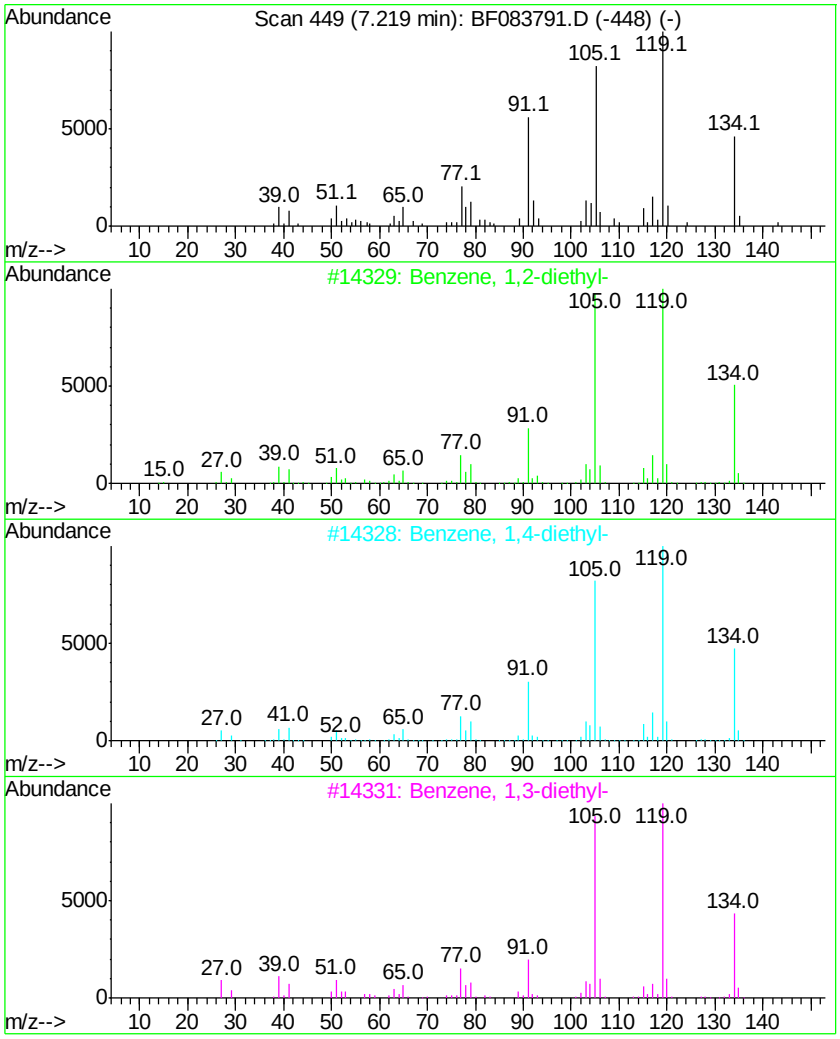
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

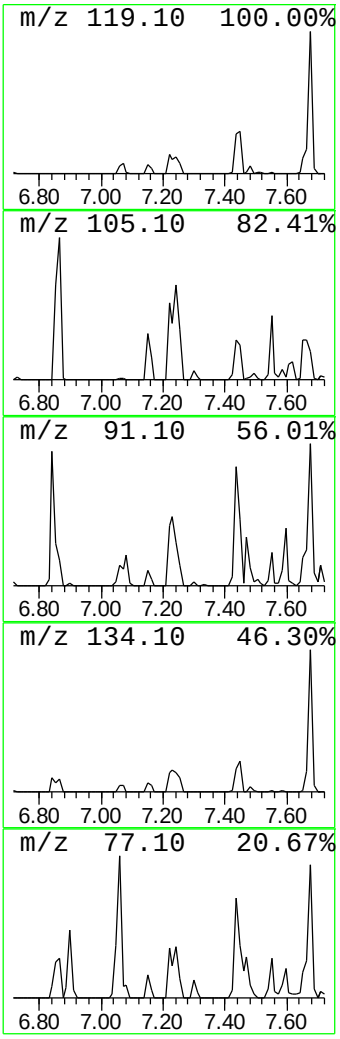
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	6.98 ng	250614	1,4-Dichlorobenzene-d4	6.90

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	95
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
4	2,6-Dimethyl-1,3,5,7-octatetraen...	134	C10H14	000460-01-5	90
5	1,3,8-p-Menthatriene	134	C10H14	021195-59-5	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
Data File : BF083791.D
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Operator : UM/IZ
Sample : G4779-06
Misc :
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Instrument : BNA_F
ClientSampleId : W-41

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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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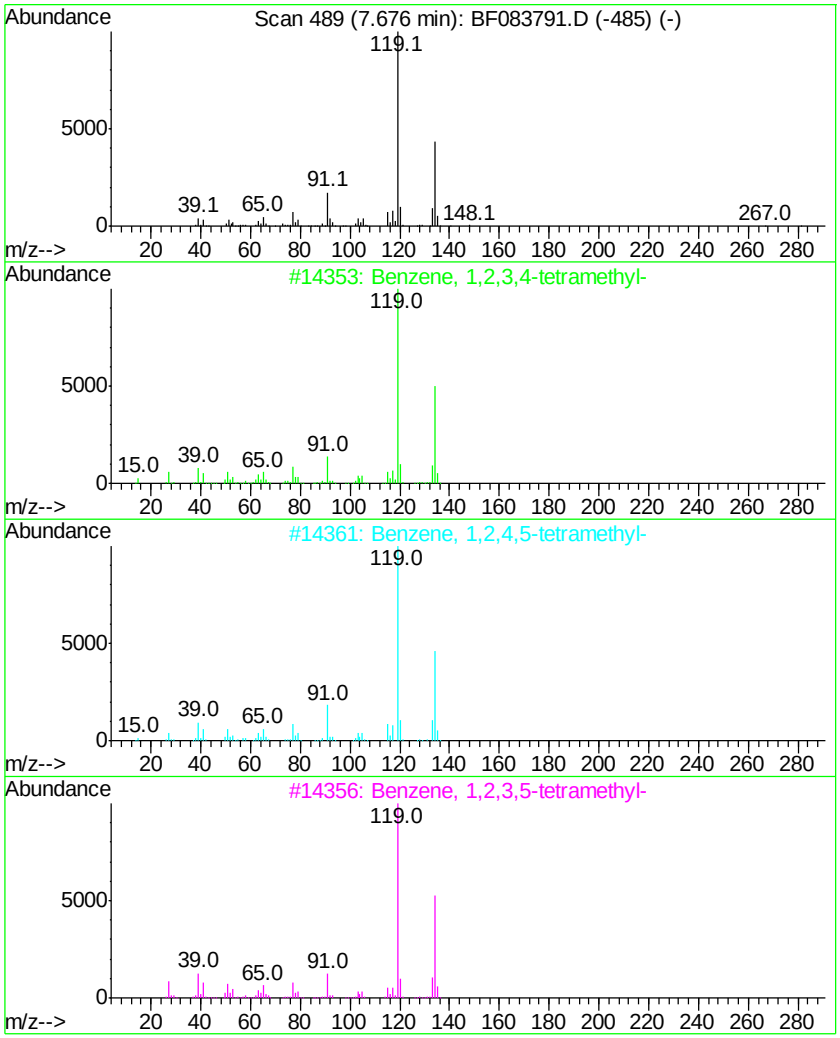
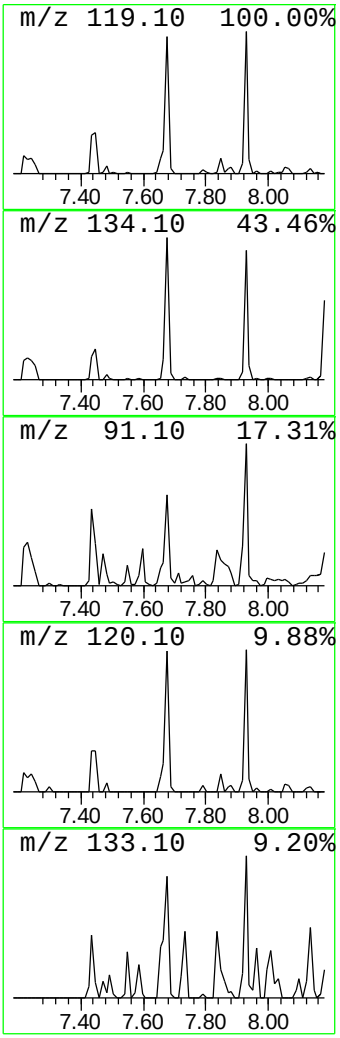
Peak Number 5 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	6.36 ng	426106	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
Data File : BF083791.D
Acq On : 15 Dec 2015 1:40
Operator : UM/IZ
Sample : G4779-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-41

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

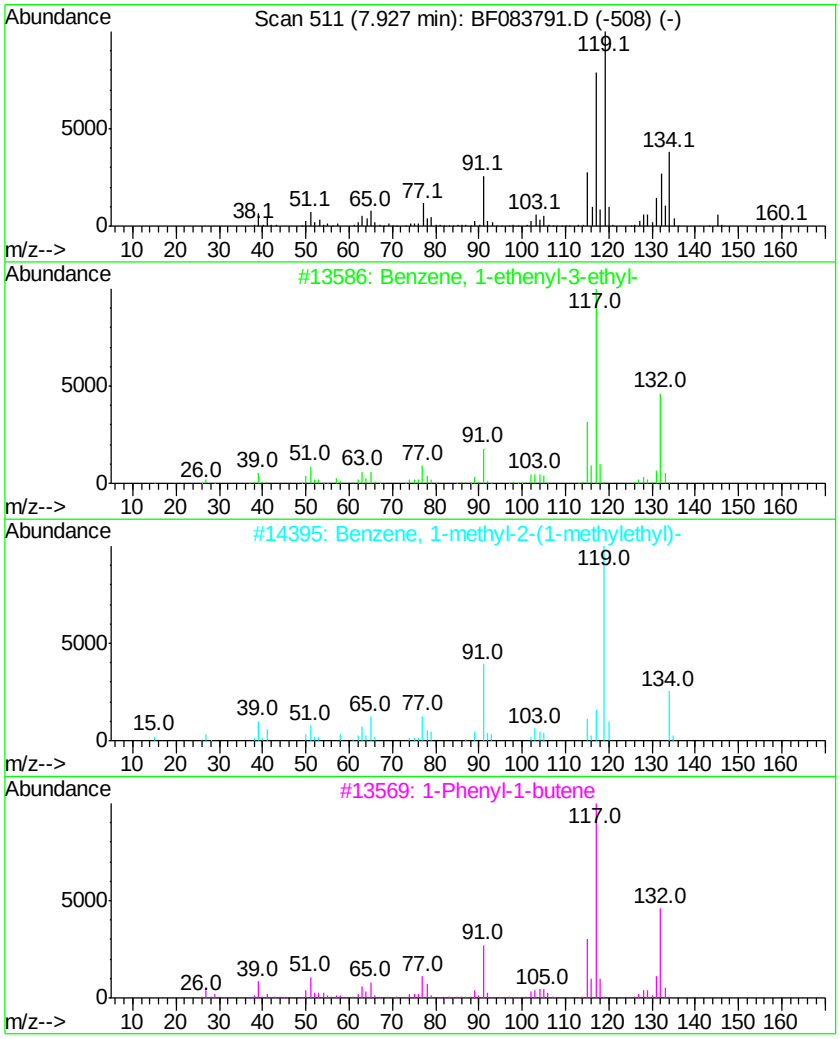
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

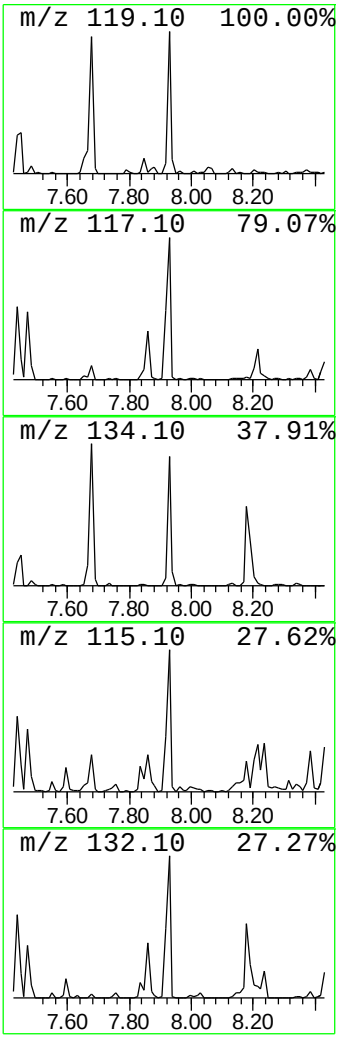
****

Peak Number 6 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	11.63 ng	778626	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	50
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	50
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	50
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	50
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
Data File : BF083791.D
Acq On : 15 Dec 2015 1:40
Operator : UM/IZ
Sample : G4779-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-41

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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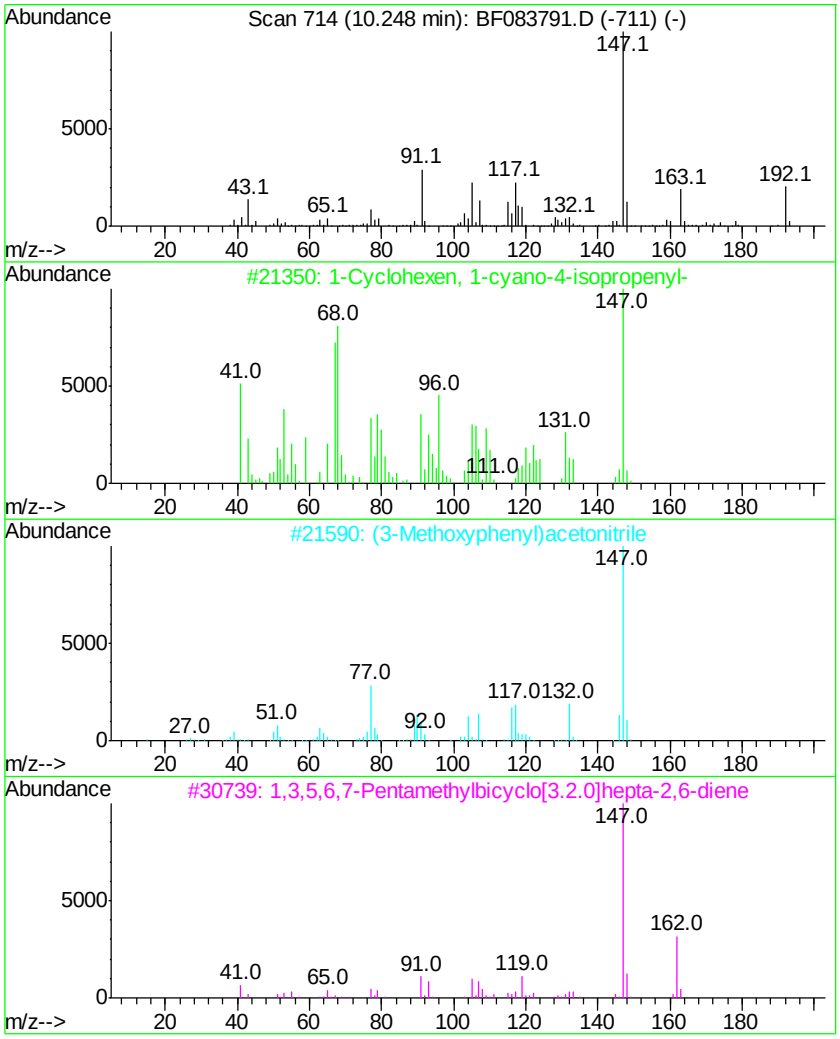
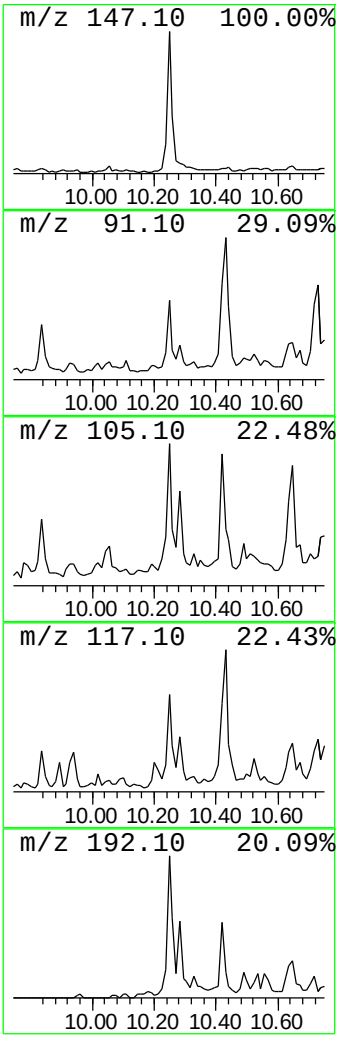
Peak Number 8 unknown10.25 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	6.81 ng	410257	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexen, 1-cyano-4-isoprope...	147	C10H13N	1000126-45-8	49
2	(3-Methoxyphenyl)acetonitrile	147	C9H9NO	019924-43-7	47
3	1,3,5,6,7-Pentamethylbicyclo[3.2...	162	C12H18	003099-00-1	47
4	2H-Indazol-3-amine, 2-methyl-	147	C8H9N3	097990-19-7	43
5	Benzoic acid, 4-propyl-, 4-cyano...	265	C17H15NO2	056131-49-8	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
Data File : BF083791.D
Acq On : 15 Dec 2015 1:40
Operator : UM/IZ
Sample : G4779-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-41

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

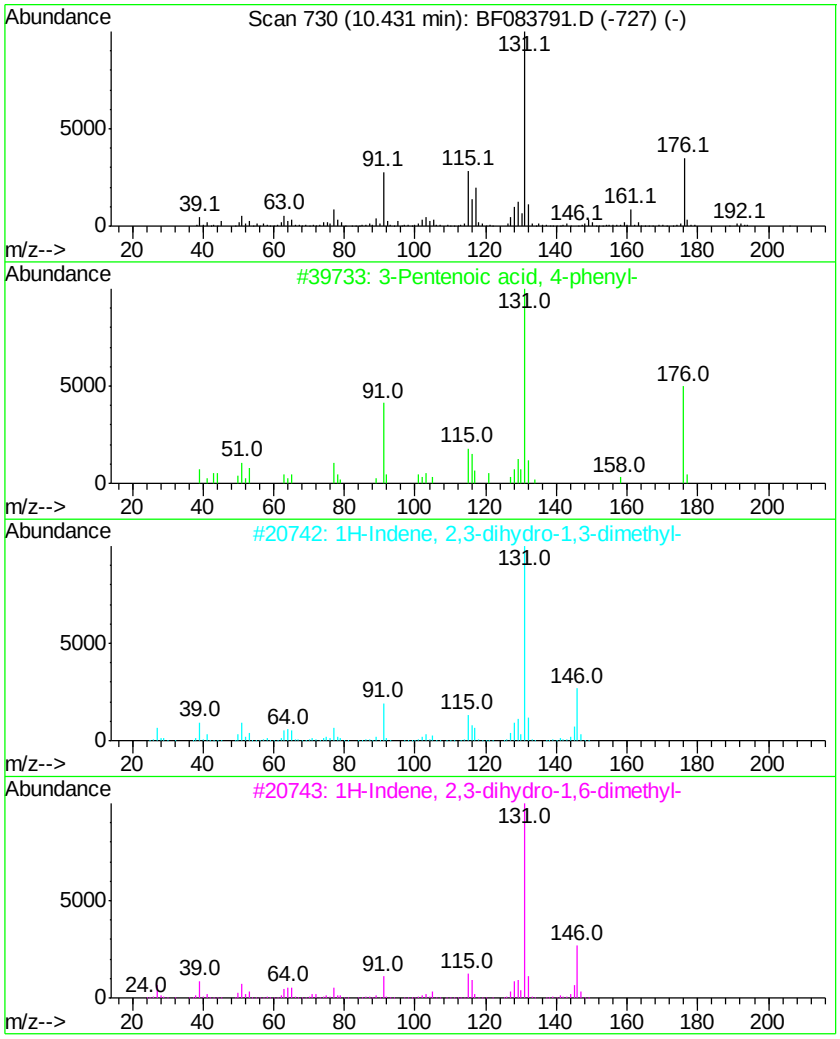
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

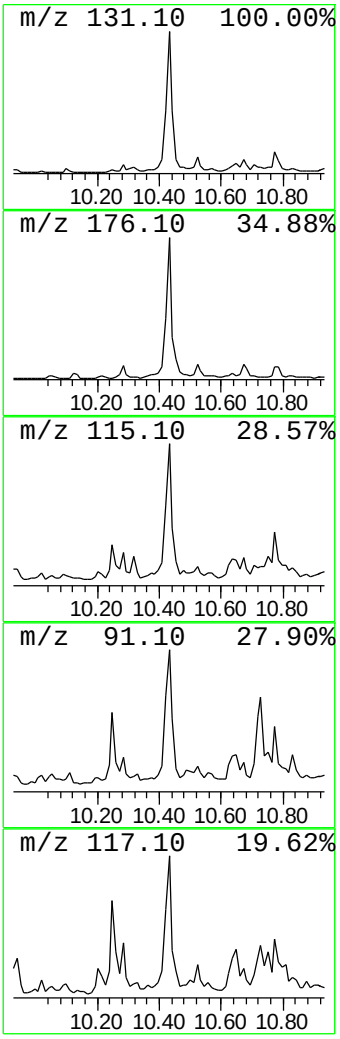
****

Peak Number 9 3-Pentenoic acid, 4-phenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	17.60 ng	1059520	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	87
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	74
5	Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
Data File : BF083791.D
Acq On : 15 Dec 2015 1:40
Operator : UM/IZ
Sample : G4779-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-41

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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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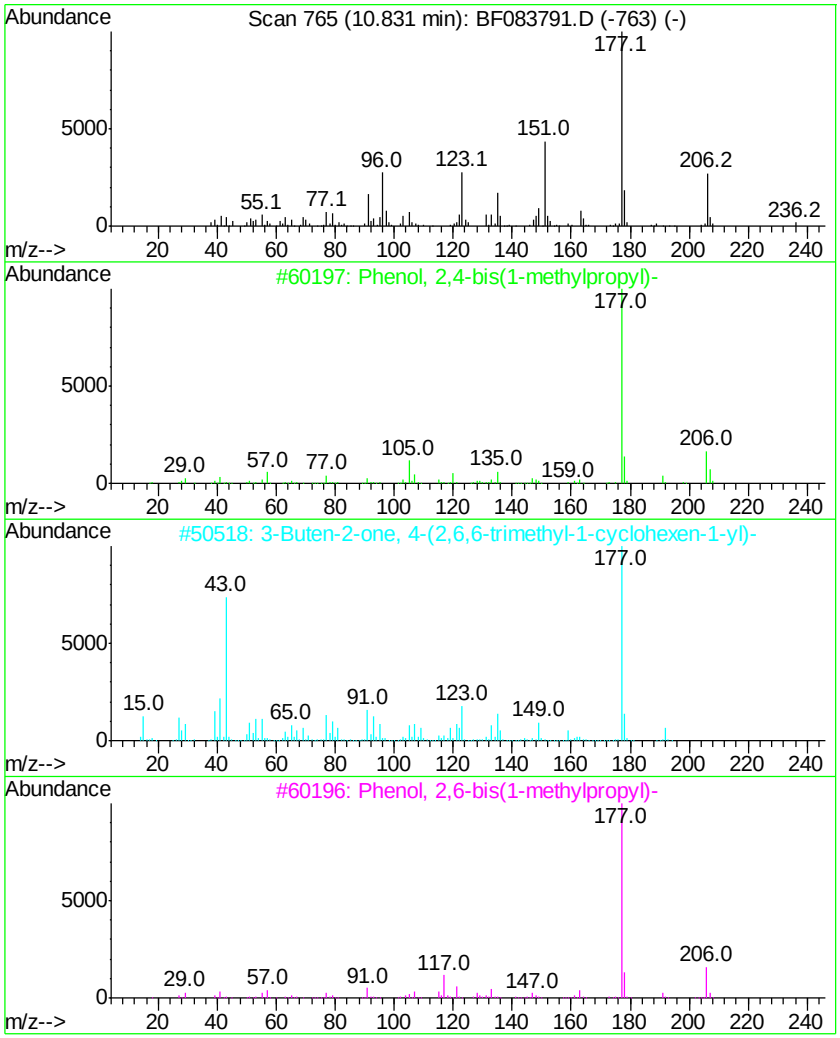
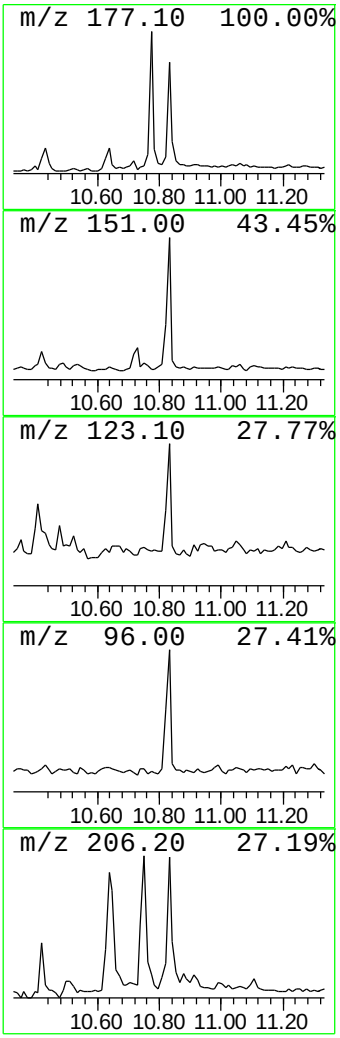
Peak Number 10 unknown10.83 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	5.81 ng	298812	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4-bis(1-methylpropyl)-	206	C14H22O	001849-18-9	43
2	3-Buten-2-one, 4-(2,6,6-trimethy...	192	C13H20O	014901-07-6	43
3	Phenol, 2,6-bis(1-methylpropyl)-	206	C14H22O	005510-99-6	38
4	Spiro[cyclopenta[d]-1,3,2-dioxab...	206	C12H19BO2	062238-26-0	38
5	3-Buten-2-one, 4-(2,6,6-trimethy...	192	C13H20O	000079-77-6	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121415\
Data File : BF083791.D
Acq On : 15 Dec 2015 1:40
Operator : UM/IZ
Sample : G4779-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-41

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.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...	5.07	6.4	ng	230318	1	6.90	718124	20.0
unknown6.67	6.67	67.1	ng	2410580	1	6.90	718124	20.0
Benzene, 1,2-diet...	7.22	7.0	ng	250614	1	6.90	718124	20.0
Benzene, 1,2,3,4-...	7.68	6.4	ng	426106	2	8.18	1339420	20.0
Benzene, 1-etheny...	7.93	11.6	ng	778626	2	8.18	1339420	20.0
unknown10.25	10.25	6.8	ng	410257	3	9.94	1203990	20.0
3-Pentenoic acid,...	10.43	17.6	ng	1059520	3	9.94	1203990	20.0
unknown10.83	10.83	5.8	ng	298812	4	11.41	1028930	20.0