LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083025.D
Acq On : 18 Nov 2015 23:23
Operator : UM/IZ
Sample : G4440-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : V1S4

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-BF110715.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	4.864	240	243	251	rVB	309842	313327	14.01%	1.818%
2	5.321	281	283	286	rBV	710420	637873	28.53%	3.702%
3	5.527	299	301	304	rVB	52859	46507	2.08%	0.270%
4	6.373	373	375	378	rBV	740584	686680	30.71%	3.985%
5	6.499	383	386	388	rBV	818360	688748	30.80%	3.997%
6	6.727	404	406	408	rBV	862036	702539	31.42%	4.077%
7	6.887	417	420	422	rVB	537592	503542	22.52%	2.922%
8	7.287	453	455	458	rBV	474954	395641	17.70%	2.296%
9	8.019	516	519	521	rBV	1098442	914248	40.89%	5.306%
10	8.476	555	559	562	rVB2	9213	22781	1.02%	0.132%
11	8.579	565	568	571	rBV	21462	28598	1.28%	0.166%
12	8.785	583	586	589	rBV	44970	63612	2.85%	0.369%
13	9.093	611	613	615	rBV	912571	724624	32.41%	4.205%
14	9.493	645	648	650	rBV	157969	155526	6.96%	0.903%
15	9.596	654	657	658	rBV	25093	37249	1.67%	0.216%
16	9.768	670	672	674	rBV	1165787	980051	43.83%	5.688%
17	10.042	694	696	698	rBV2	20516	28609	1.28%	0.166%
18	10.316	715	720	723	rVB3	27213	57953	2.59%	0.336%
19	10.396	723	727	728	rBV3	10073	24377	1.09%	0.141%
20	10.545	738	740	742	rBV2	230738	323721	14.48%	1.879%
21	10.591	742	744	747	rVB3	26938	38711	1.73%	0.225%
22	10.705	751	754	756	rVB	19687	31247	1.40%	0.181%
23	10.751	756	758	759	rBV	28032	25817	1.15%	0.150%
24	10.785	759	761	762	rBV	30526	33733	1.51%	0.196%
25	10.922	772	773	775	rBV2	26950	29334	1.31%	0.170%
26	10.968	775	777	778	rBV	18688	23647	1.06%	0.137%
27	11.002	778	780	782	rVB2	35480	46295	2.07%	0.269%
28	11.048	782	784	787	rVB3	17739	24984	1.12%	0.145%
29	11.105	787	789	790	rBV2	17921	26062	1.17%	0.151%
30	11.139	790	792	793	rBV	41492	36039	1.61%	0.209%
31	11.242	799	801	805	rBV2	806816	1247304	55.79%	7.239%
32	11.322	805	808	809	rVB	98517	103381	4.62%	0.600%
33	11.356	809	811	812	rBV	25530	27075	1.21%	0.157%
34	11.482	819	822	826	rBV4	43177	104497	4.67%	0.606%

LSC Area Percent Report

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Acq On : 18 Nov 2015 23:23
Operator : UM/IZ
Sample : G4440-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : V1S4

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-BF110715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.745	843	845	846	rBV	59477	55077	2.46%	0.320%
36	11.779	846	848	850	rVV	58891	76589	3.43%	0.444%
37	11.825	850	852	853	rVV	30610	34124	1.53%	0.198%
38	11.859	853	855	859	rVB2	134625	184587	8.26%	1.071%
39	12.065	869	873	875	rBV2	64228	133621	5.98%	0.775%
40	12.191	882	884	886	rBV3	34448	57772	2.58%	0.335%
41	12.294	891	893	894	rBV	33560	43385	1.94%	0.252%
42	12.454	905	907	909	rVB	1005980	848856	37.97%	4.927%
43	12.499	909	911	914	rBV2	69544	111576	4.99%	0.648%
44	12.682	924	927	929	rBV	690661	793649	35.50%	4.606%
45	12.728	929	931	934	rVB3	35584	46279	2.07%	0.269%
46	12.831	938	940	942	rVB	626281	537819	24.05%	3.121%
47	13.014	954	956	958	rVB	112987	120669	5.40%	0.700%
48	13.071	959	961	963	rBV2	81673	118694	5.31%	0.689%
49	13.117	963	965	968	rBV3	71219	168328	7.53%	0.977%
50	13.311	980	982	984	rBV	130277	105832	4.73%	0.614%
51	13.882	1028	1032	1036	rBV2	1475128	2235875	100.00%	12.976%
52	14.877	1117	1119	1124	rVV	278717	597458	26.72%	3.467%
53	14.980	1126	1128	1130	rVB	245197	256104	11.45%	1.486%
54	15.151	1141	1143	1146	rVV	200566	253295	11.33%	1.470%
55	15.208	1146	1148	1151	rVV	258465	371593	16.62%	2.157%
56	15.265	1151	1153	1159	rVB	492035	727451	32.54%	4.222%
57	16.580	1265	1268	1272	rBV2	98620	217436	9.72%	1.262%

Sum of corrected areas: 17230401

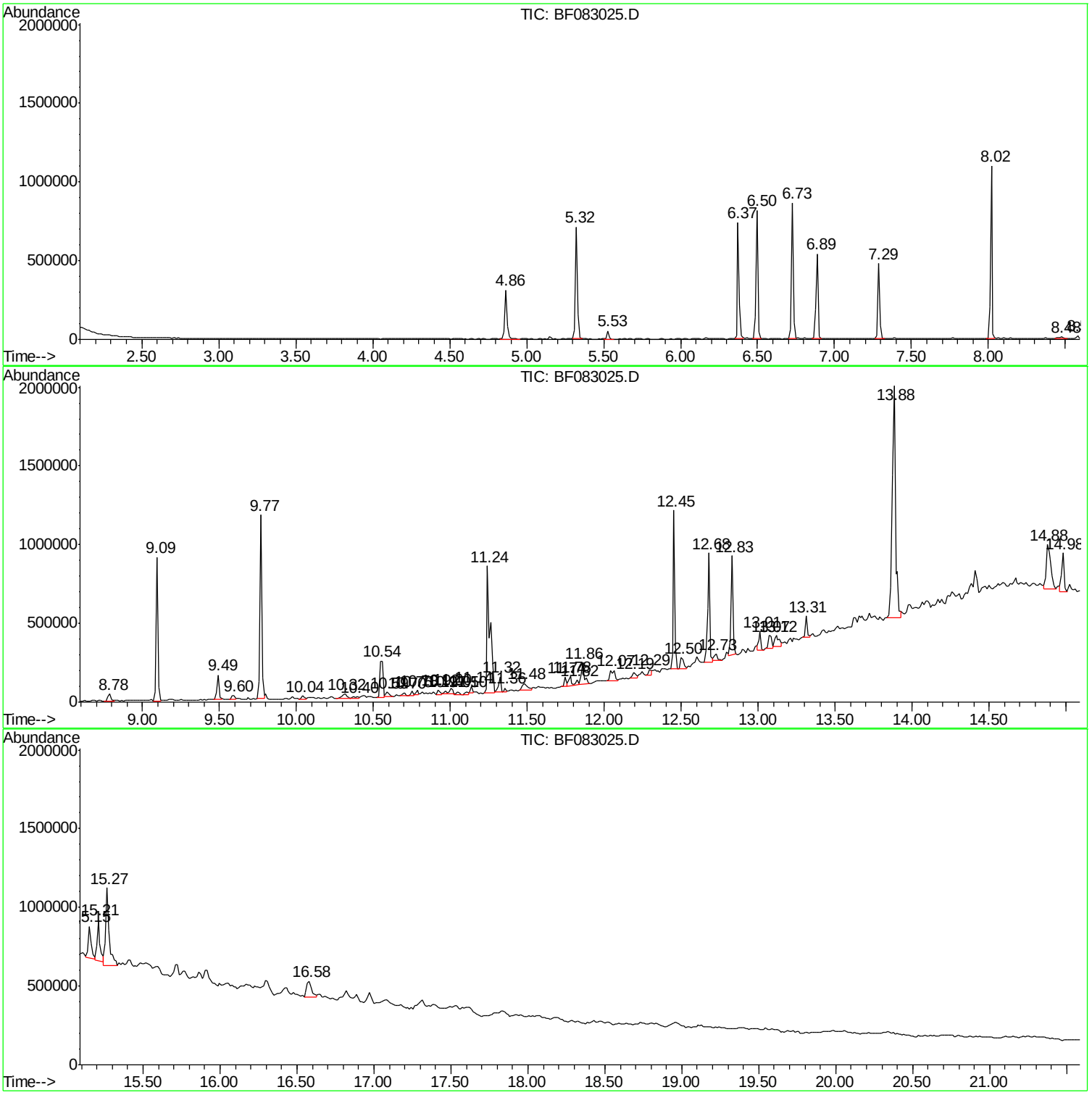
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083025.D
Acq On : 18 Nov 2015 23:23
Operator : UM/IZ
Sample : G4440-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : V1S4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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\BF111815\
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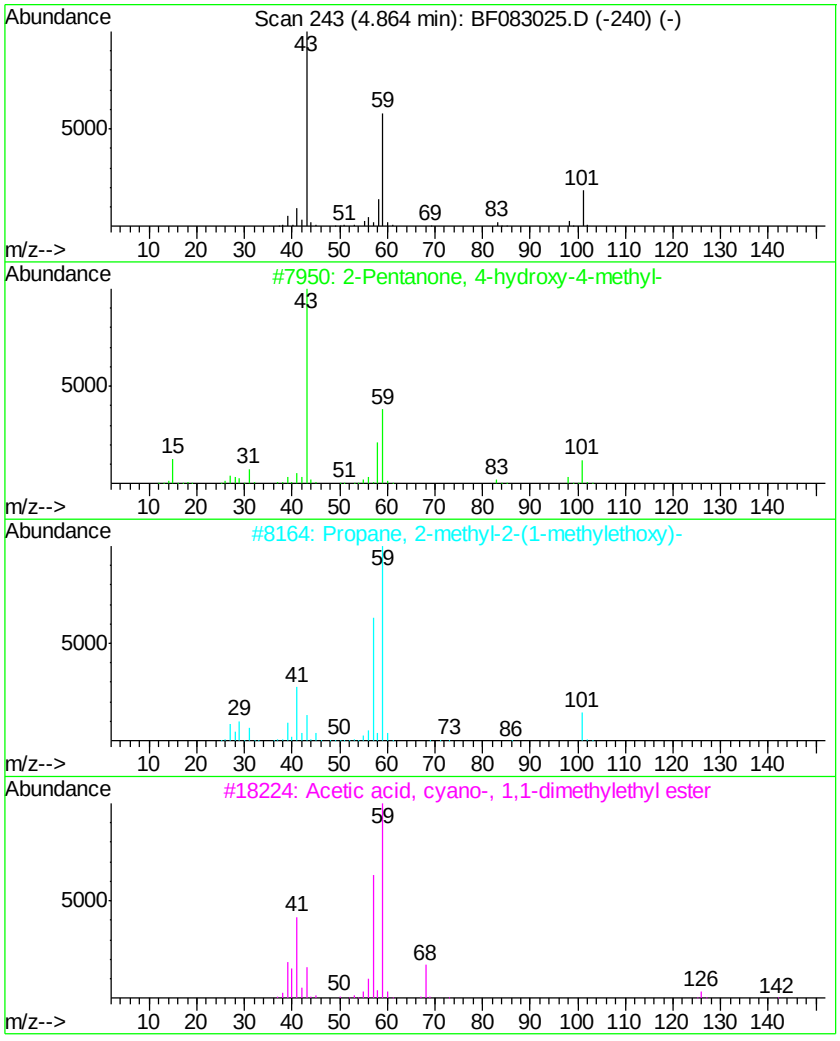
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

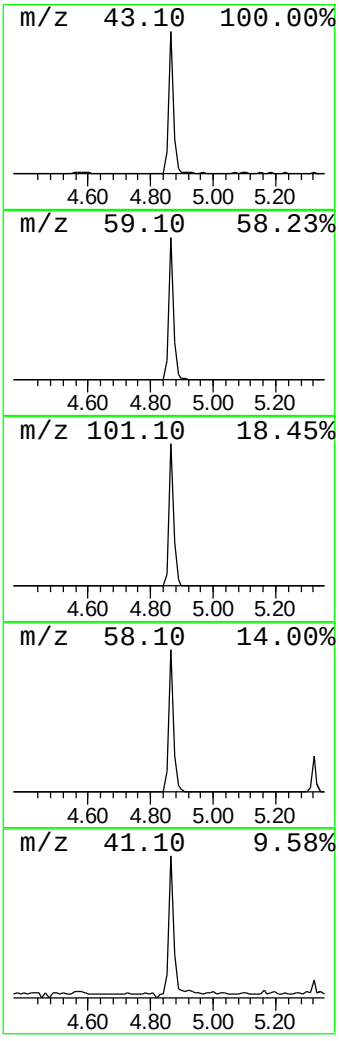
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	8.92 ng	313327	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





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Operator : UM/IZ
Sample : G4440-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : V1S4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

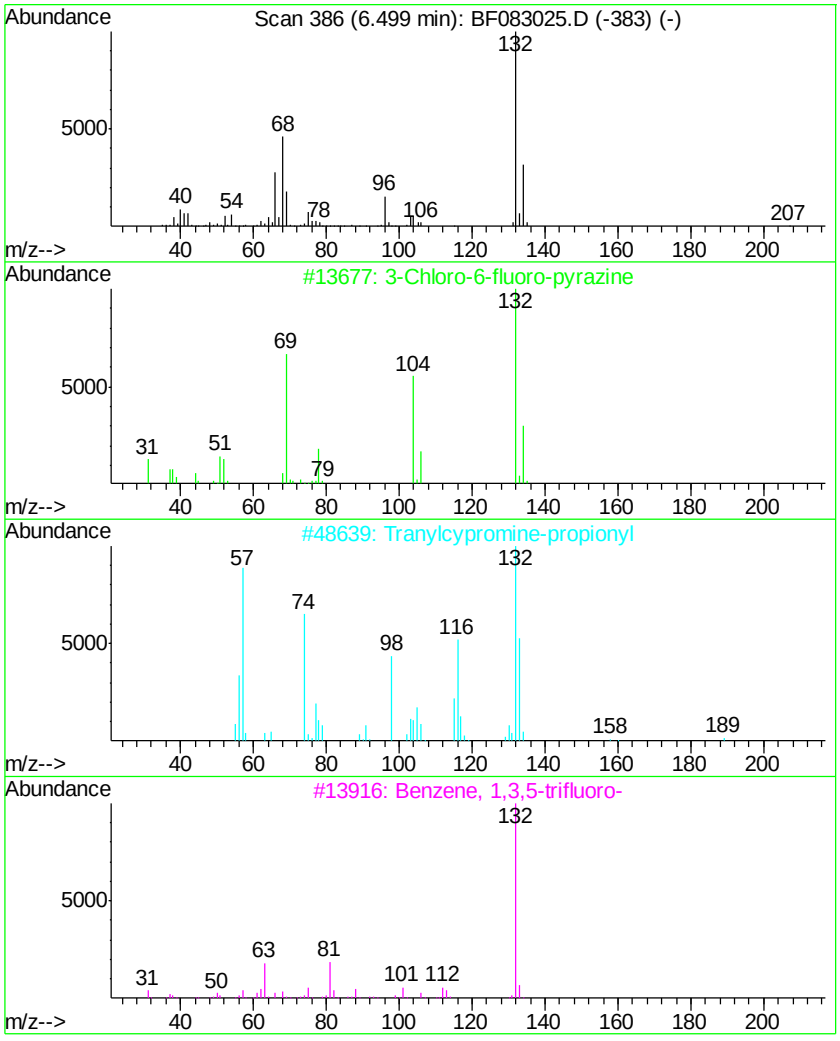
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

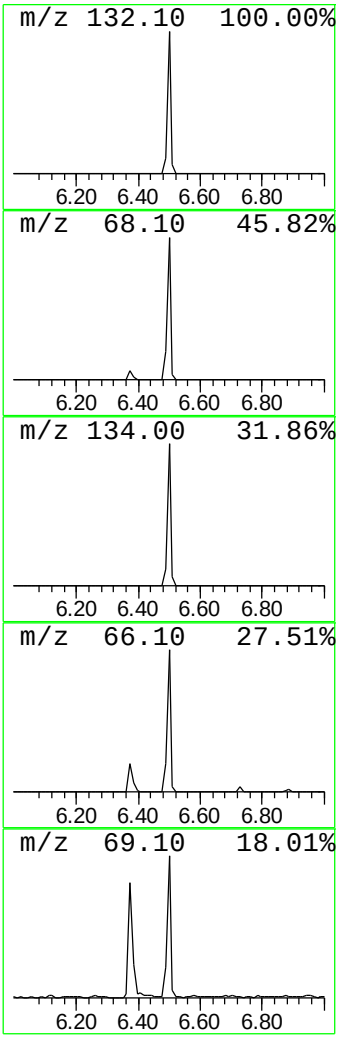
****

Peak Number 2 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	19.61 ng	688748	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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Sample : G4440-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : V1S4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
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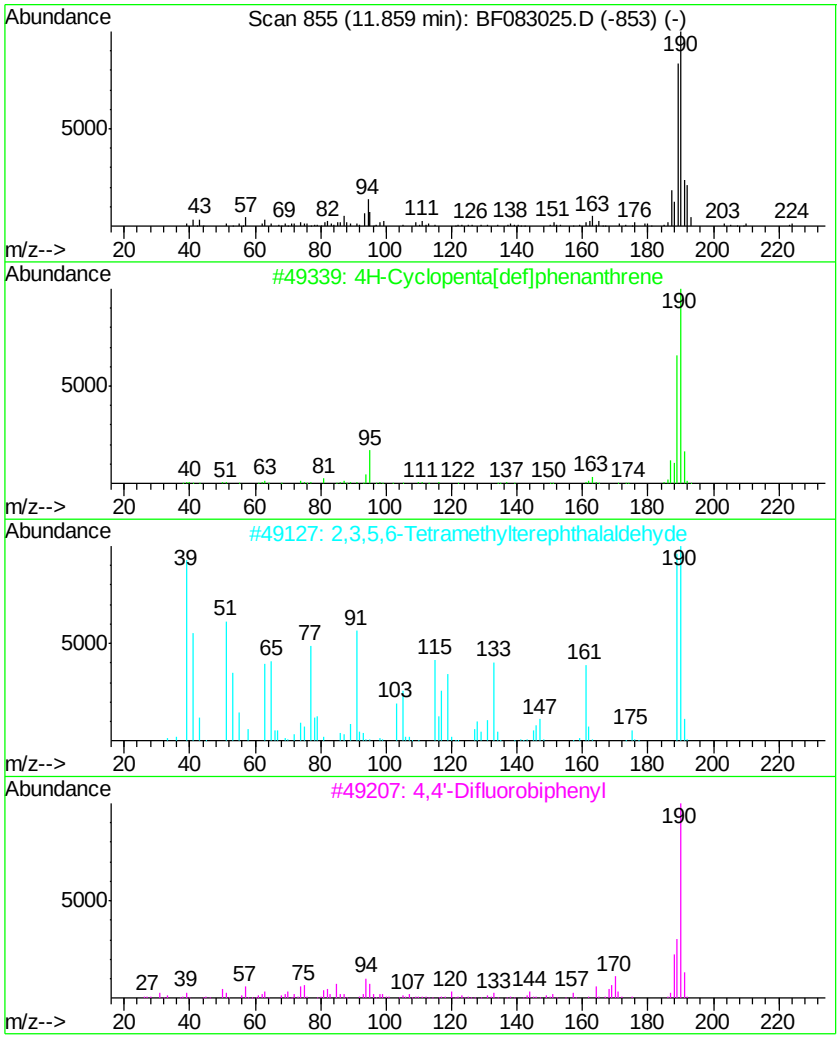
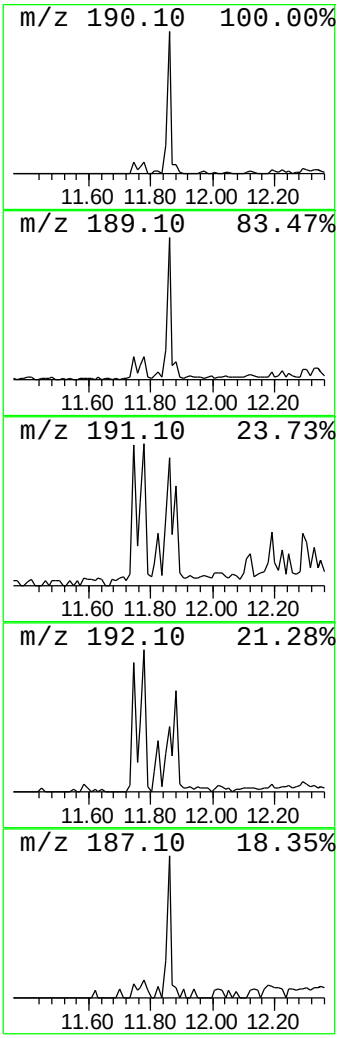
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.96 ng	184587	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53
3	4,4'-Difluorobiphenyl	190	C12H8F2	000398-23-2	32
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17
5	4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	17





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Sample : G4440-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : V1S4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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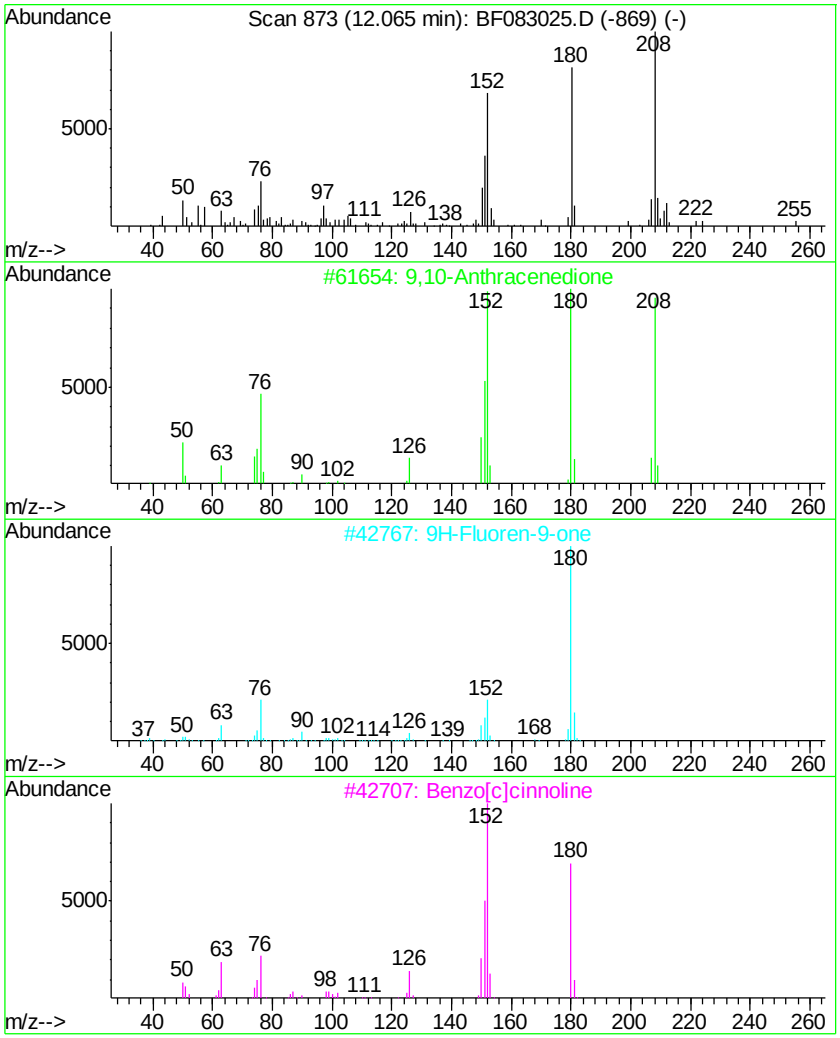
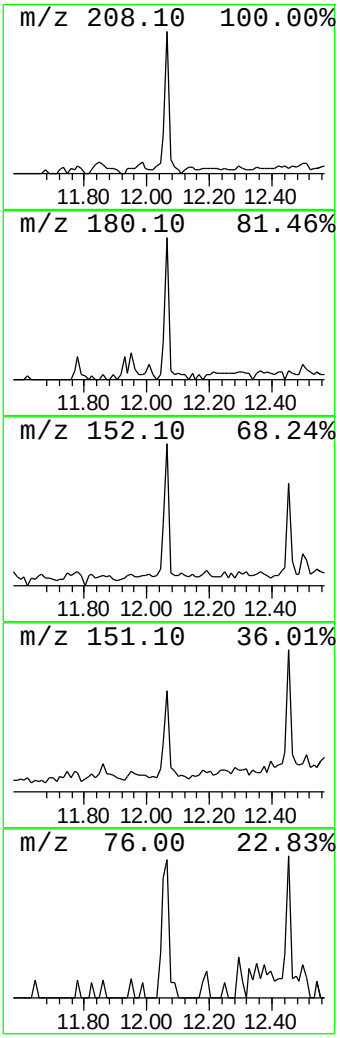
Peak Number 5 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.14 ng	133621	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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Instrument : BNA_F
ClientSampleId : V1S4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

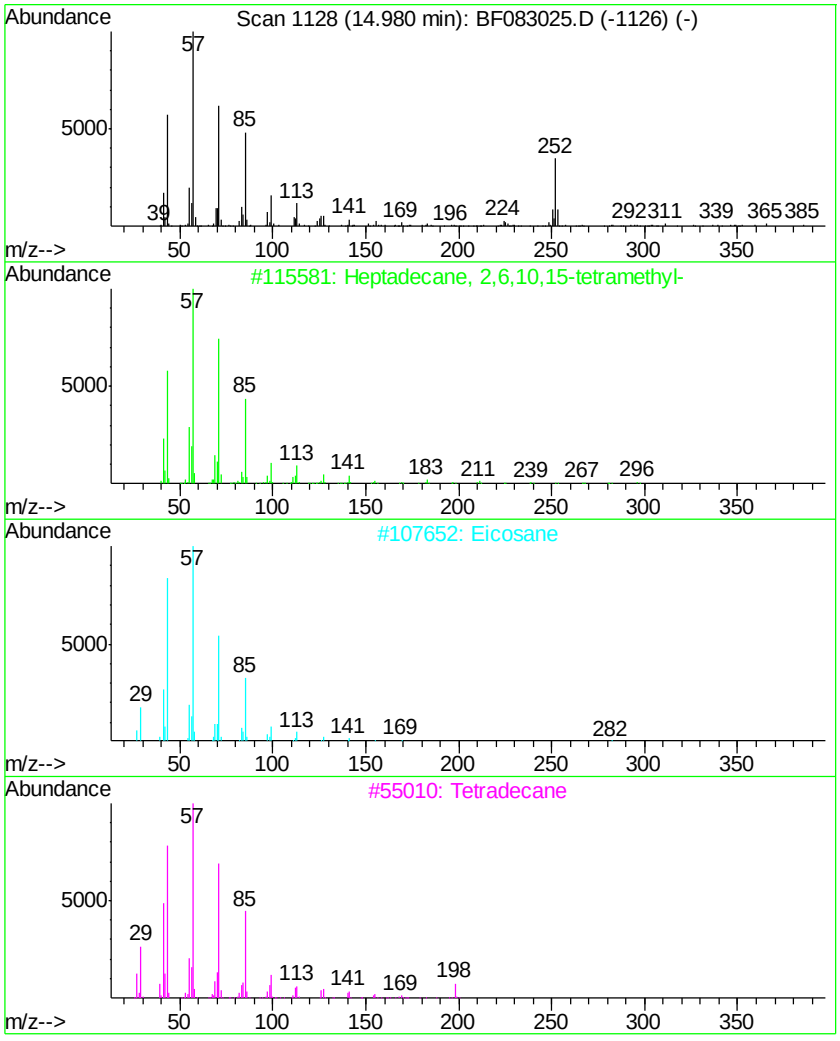
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

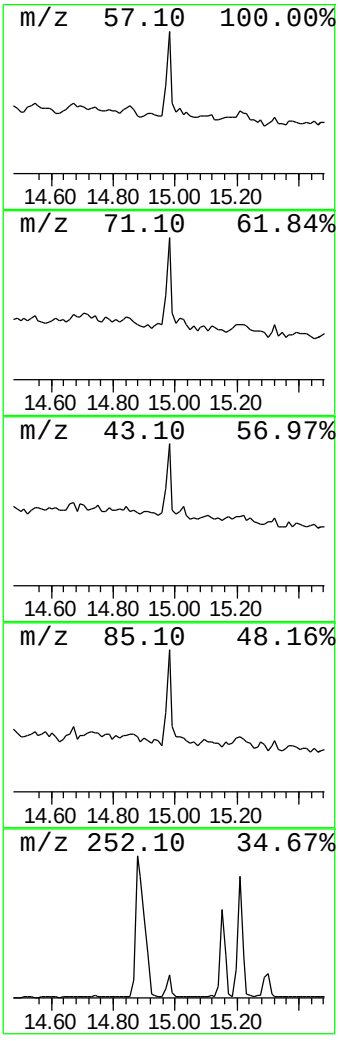
****

Peak Number 6 Heptadecane, 2,6,10,15-tetr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	7.04 ng	256104	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
2	Eicosane	282	C20H42	000112-95-8	70
3	Tetradecane	198	C14H30	000629-59-4	68
4	Heneicosane	296	C21H44	000629-94-7	68
5	Heptadecane	240	C17H36	000629-78-7	68





Tentatively Identified Compound (LSC) summary

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : V1S4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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...	4.86	8.9	ng	313327	1	6.73	702539	20.0
unknown6.50	6.50	19.6	ng	688748	1	6.73	702539	20.0
4H-Cyclopenta[def...	11.86	3.0	ng	184587	4	11.24	1247300	20.0
9,10-Anthracenedione	12.07	2.1	ng	133621	4	11.24	1247300	20.0
Heptadecane, 2,6,...	14.98	7.0	ng	256104	6	15.27	727451	20.0