LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083905.D
Acq On : 18 Dec 2015 8:59
Operator : UM/SJ
Sample : G4759-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K208-0-2

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-BF121815.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	2.144	3	5	11	rVB2	13906	26737	1.76%	0.132%
2	5.070	259	261	266	rBV	145978	236842	15.61%	1.167%
3	5.241	266	276	278	rBV2	15431	68295	4.50%	0.337%
4	5.458	292	295	297	rBV	13065	24493	1.61%	0.121%
5	5.504	297	299	302	rVV	1247590	1249313	82.33%	6.158%
6	5.710	314	317	320	rBV2	26206	41376	2.73%	0.204%
7	6.533	386	389	392	rBV	1193188	1271713	83.80%	6.268%
8	6.601	394	395	397	rVB	30403	31100	2.05%	0.153%
9	6.659	397	400	402	rBV	1632859	1517487	100.00%	7.479%
10	6.716	402	405	407	rVV2	36178	50516	3.33%	0.249%
11	6.876	417	419	422	rBV	596592	757742	49.93%	3.735%
12	6.967	423	427	429	rBV2	52730	90485	5.96%	0.446%
13	7.036	431	433	436	rVV	1106234	1107341	72.97%	5.458%
14	7.139	441	442	446	rVV2	14155	21524	1.42%	0.106%
15	7.447	466	469	471	rBV	943752	916314	60.38%	4.516%
16	7.493	471	473	475	rVV2	11524	19800	1.30%	0.098%
17	7.550	475	478	484	rVB3	11250	26026	1.72%	0.128%
18	7.733	492	494	497	rVB	21416	34275	2.26%	0.169%
19	7.904	507	509	512	rBV2	18223	29423	1.94%	0.145%
20	8.167	530	532	533	rBV	1179355	1036705	68.32%	5.110%
21	8.190	533	534	536	rVB	96493	66869	4.41%	0.330%
22	8.384	548	551	553	rVB	22913	23369	1.54%	0.115%
23	8.442	553	556	558	rBV	40982	39133	2.58%	0.193%
24	8.590	567	569	571	rBV2	14358	17946	1.18%	0.088%
25	8.739	580	582	586	rBV2	42894	54466	3.59%	0.268%
26	8.876	592	594	596	rBV	86265	77360	5.10%	0.381%
27	8.933	597	599	601	rBV	16192	22942	1.51%	0.113%
28	8.979	601	603	604	rVB	58222	47124	3.11%	0.232%
29	9.116	613	615	617	rVB2	19185	17285	1.14%	0.085%
30	9.242	623	626	628	rBV	1796160	1495245	98.53%	7.370%
31	9.322	631	633	636	rBV	20453	36398	2.40%	0.179%
32	9.436	642	643	646	rBV2	9968	18330	1.21%	0.090%
33	9.505	646	649	651	rVB	22211	32064	2.11%	0.158%
34	9.585	654	656	658	rBV	92671	150730	9.93%	0.743%

LSC Area Percent Report

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Sample : G4759-09
Misc :
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Instrument : BNA_F
ClientSampleId : K208-0-2

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-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.630	658	660	663	rVB	292992	332793	21.93%	1.640%
36	9.779	671	673	675	rVB	76577	74425	4.90%	0.367%
37	9.859	675	680	682	rVB	34199	40171	2.65%	0.198%
38	9.916	682	685	687	rBV	905349	1181754	77.88%	5.825%
39	9.950	687	688	691	rVB	27207	27916	1.84%	0.138%
40	10.042	693	696	697	rBV2	9261	17143	1.13%	0.084%
41	10.122	701	703	705	rBV	35048	35145	2.32%	0.173%
42	10.167	705	707	709	rVB2	14626	20289	1.34%	0.100%
43	10.247	712	714	719	rVB2	22052	40269	2.65%	0.198%
44	10.327	719	721	722	rBV	25124	31681	2.09%	0.156%
45	10.350	722	723	727	rVB2	44739	45810	3.02%	0.226%
46	10.430	728	730	732	rBV2	22163	40271	2.65%	0.198%
47	10.465	732	733	736	rVB	25749	29522	1.95%	0.146%
48	10.579	740	743	745	rBV	27689	42073	2.77%	0.207%
49	10.613	745	746	748	rVB2	41967	47183	3.11%	0.233%
50	10.705	752	754	757	rVB	709581	727965	47.97%	3.588%
51	10.785	759	761	763	rVB2	21734	24650	1.62%	0.121%
52	10.830	763	765	767	rBV2	67085	110902	7.31%	0.547%
53	10.922	770	773	775	rBV3	12289	19850	1.31%	0.098%
54	10.956	775	776	779	rVB2	15098	21821	1.44%	0.108%
55	11.013	779	781	783	rBV3	18885	34597	2.28%	0.171%
56	11.059	783	785	787	rVB2	30716	31049	2.05%	0.153%
57	11.162	790	794	796	rBV3	17077	47211	3.11%	0.233%
58	11.208	796	798	800	rBV	23757	27226	1.79%	0.134%
59	11.276	801	804	805	rBV2	54343	61573	4.06%	0.303%
60	11.402	813	815	819	rBV2	845079	964933	63.59%	4.756%
61	11.482	819	822	823	rVB	42457	61792	4.07%	0.305%
62	11.630	833	835	836	rBV	26803	34743	2.29%	0.171%
63	11.699	840	841	842	rVV	27845	21885	1.44%	0.108%
64	11.905	857	859	860	rBV	70279	72056	4.75%	0.355%
65	11.939	860	862	864	rVV2	101362	128805	8.49%	0.635%
66	12.019	867	869	873	rVB2	56255	106952	7.05%	0.527%
67	12.351	897	898	900	rBV2	43699	61625	4.06%	0.304%
68	12.453	905	907	909	rBV2	64881	91063	6.00%	0.449%
69	12.591	917	919	920	rBV2	41090	58312	3.84%	0.287%
70	12.613	920	921	924	rVB	285680	252884	16.66%	1.246%
71	12.808	937	938	939	rBV	48376	65142	4.29%	0.321%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : K208-0-2

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
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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.842	939	941	944	rVB	280532	309054	20.37%	1.523%
73	12.991	951	954	956	rBV	922780	960641	63.30%	4.735%
74	13.276	977	979	983	rBV2	45625	59903	3.95%	0.295%
75	13.516	998	1000	1002	rBV	71806	72964	4.81%	0.360%
76	13.882	1030	1032	1035	rVB3	126114	178809	11.78%	0.881%
77	14.042	1043	1046	1051	rBV	666674	1021297	67.30%	5.034%
78	15.082	1135	1137	1140	rVB	105783	190206	12.53%	0.937%
79	15.151	1140	1143	1147	rBV3	138988	277161	18.26%	1.366%
80	15.437	1166	1168	1171	rBV	90461	129816	8.55%	0.640%
81	15.494	1171	1173	1183	rVB	377824	728354	48.00%	3.590%
82	15.939	1209	1212	1215	rBV	405295	670829	44.21%	3.306%

Sum of corrected areas: 20289283

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Operator : UM/SJ
Sample : G4759-09
Misc :
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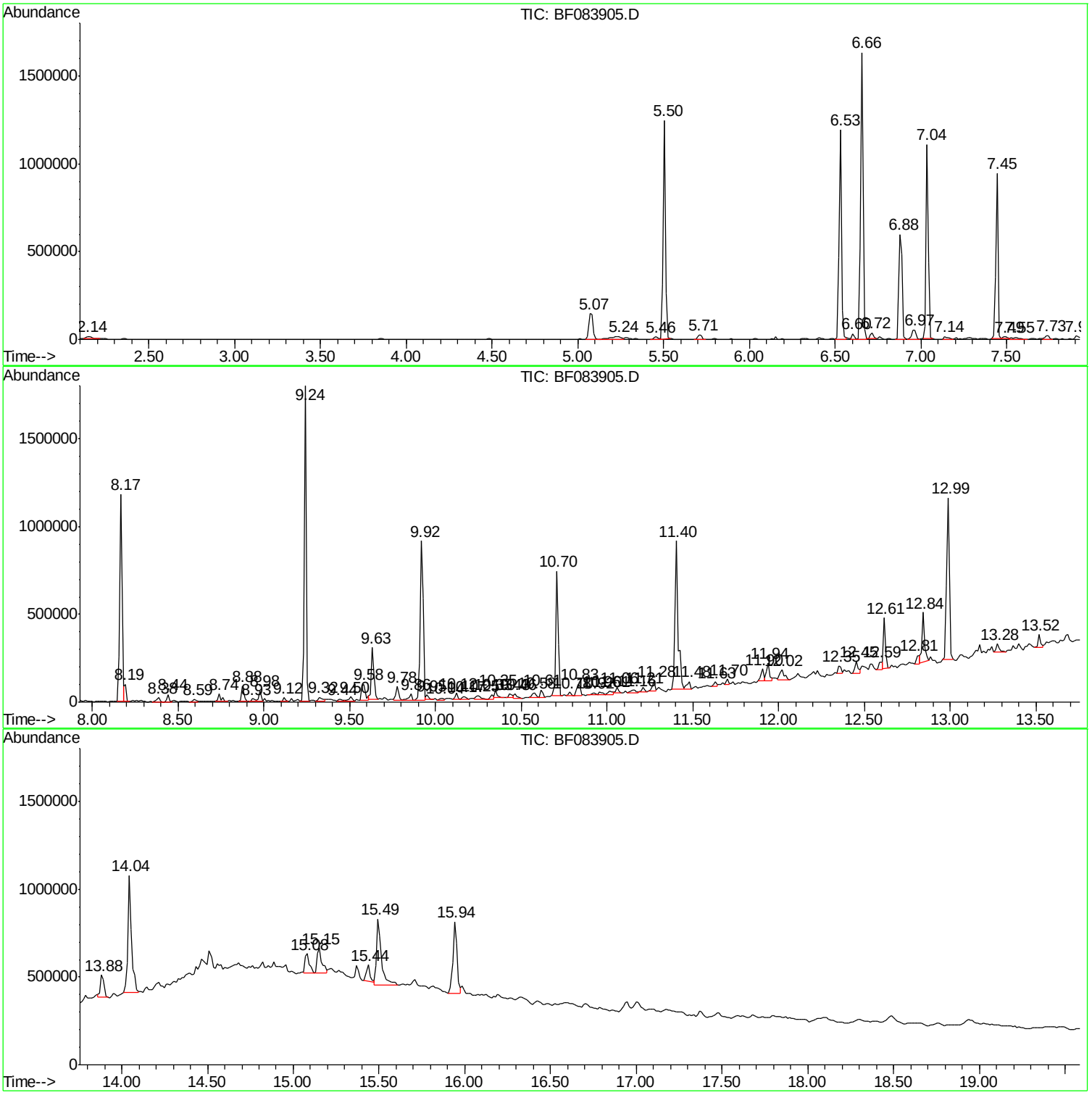
Instrument :
BNA_F
ClientSampleId :
K208-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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\BF121815\
Data File : BF083905.D
Acq On : 18 Dec 2015 8:59
Operator : UM/SJ
Sample : G4759-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K208-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

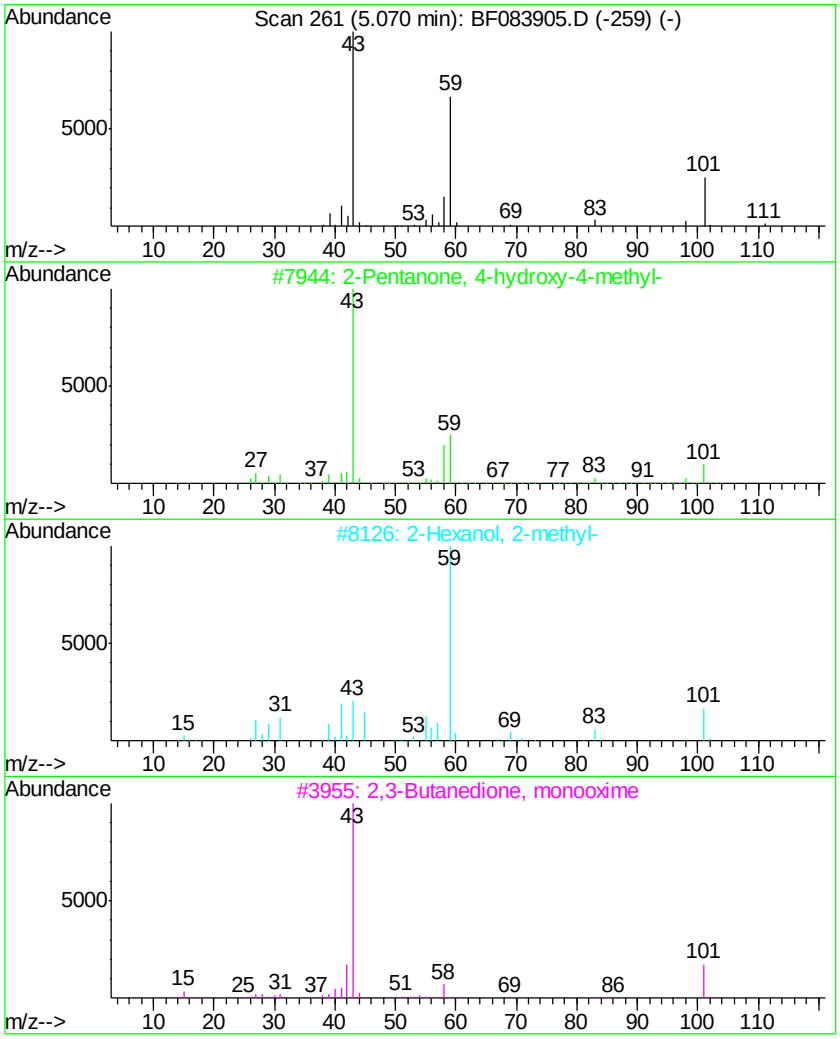
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

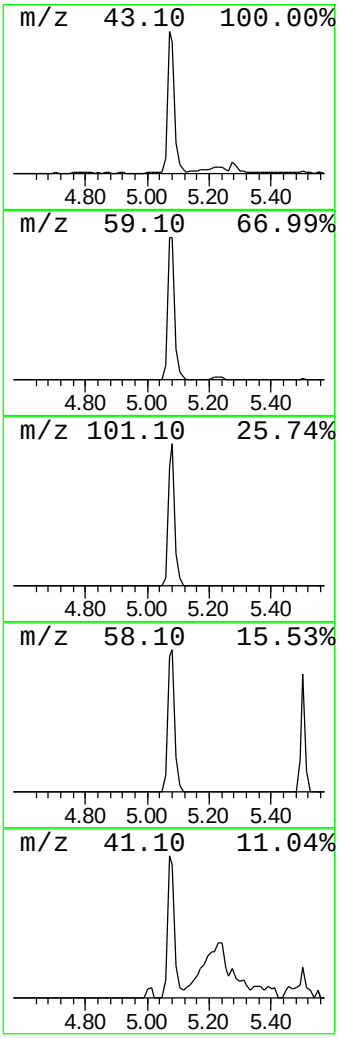
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	6.25 ng	236842	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	40
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	27
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





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Instrument : BNA_F
ClientSampleId : K208-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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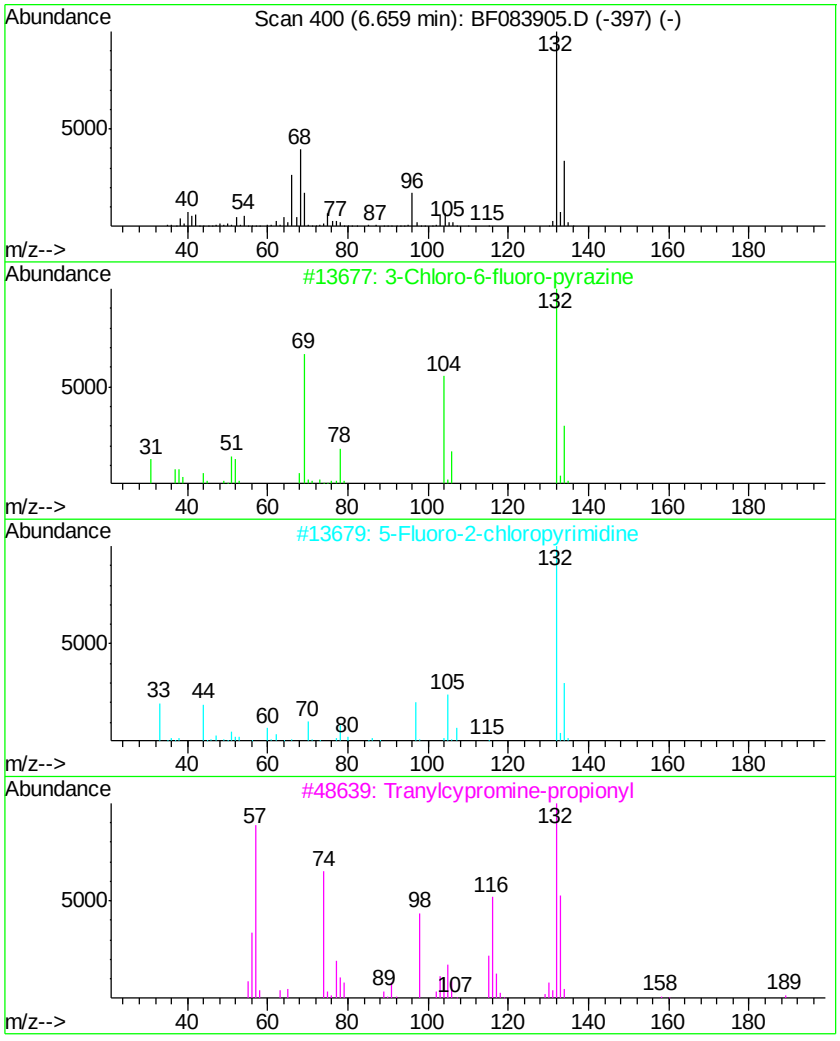
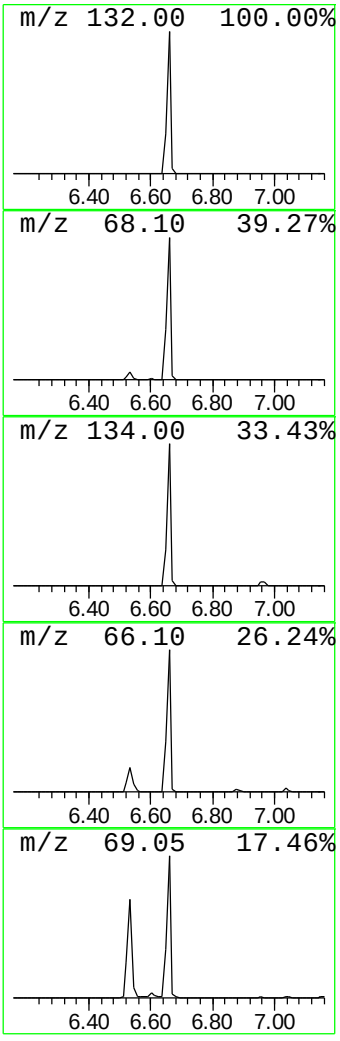
****

Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	40.05 ng	1517490	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083905.D
Acq On : 18 Dec 2015 8:59
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Instrument : BNA_F
ClientSampleId : K208-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

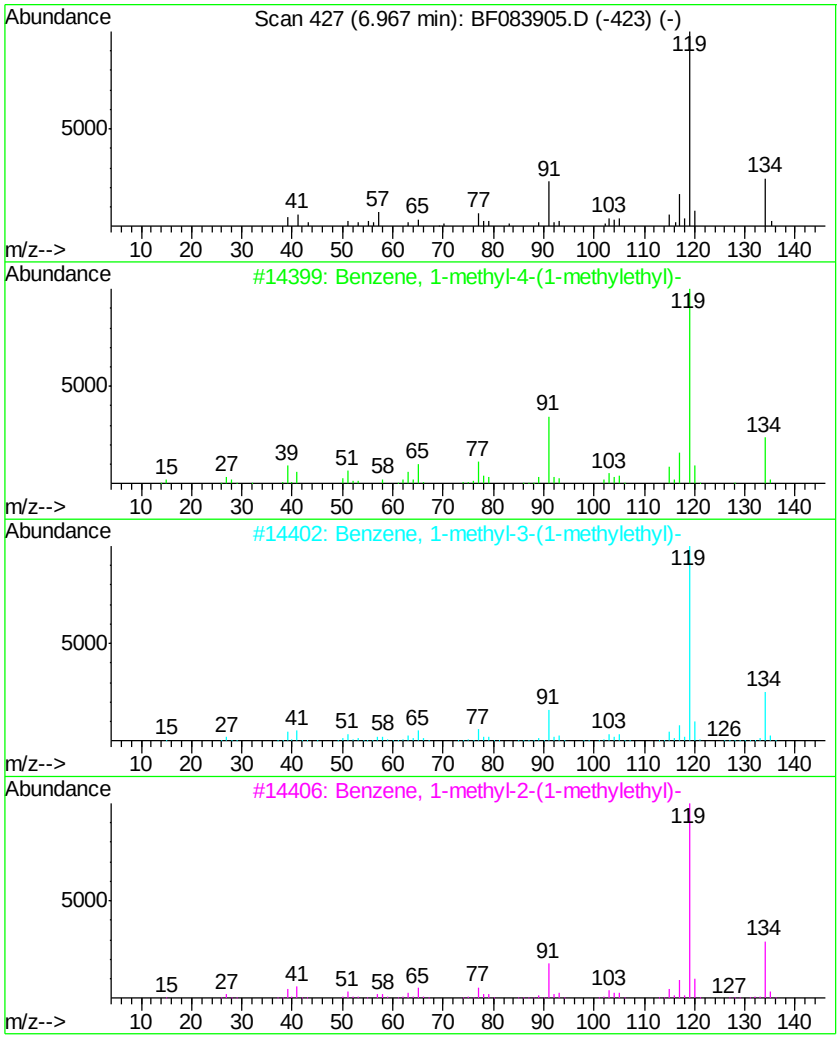
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

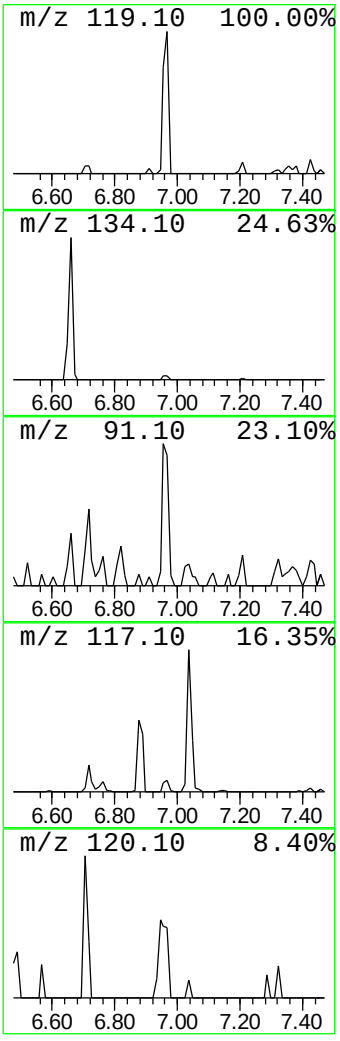
****

Peak Number 3 Benzene, 1-methyl-4-(1-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.97	2.39 ng	90485	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	94
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





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Sample : G4759-09
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Instrument : BNA_F
ClientSampleId : K208-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

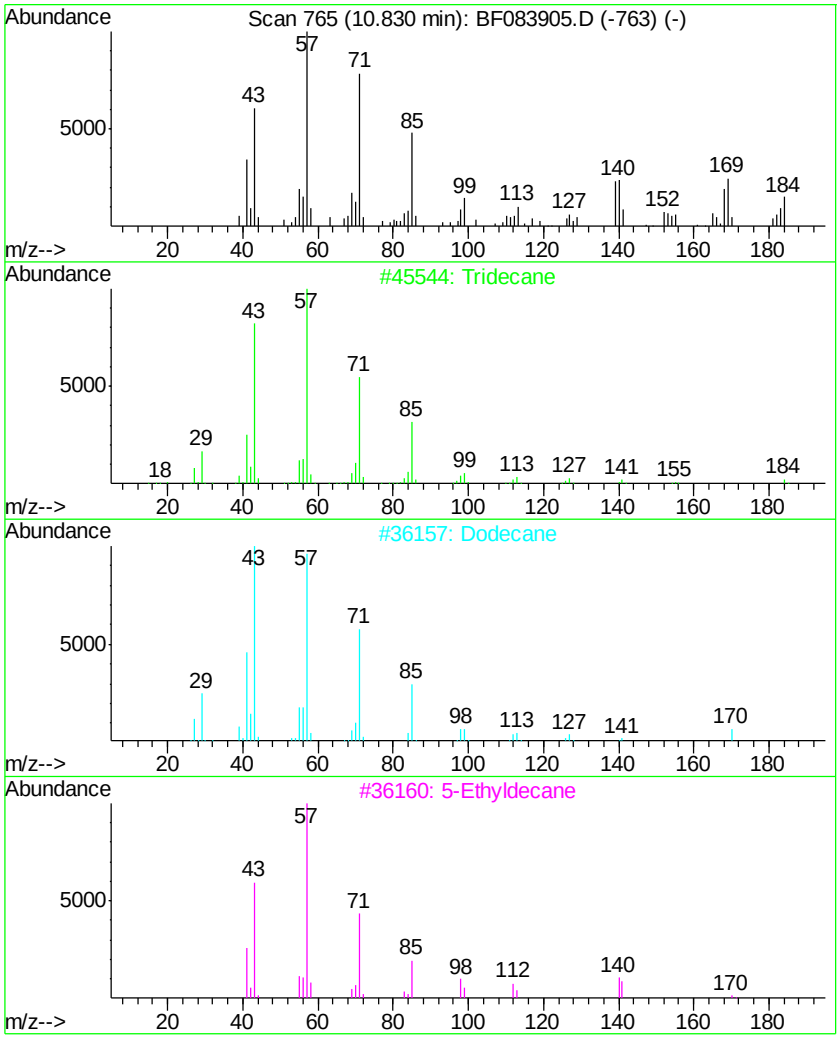
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

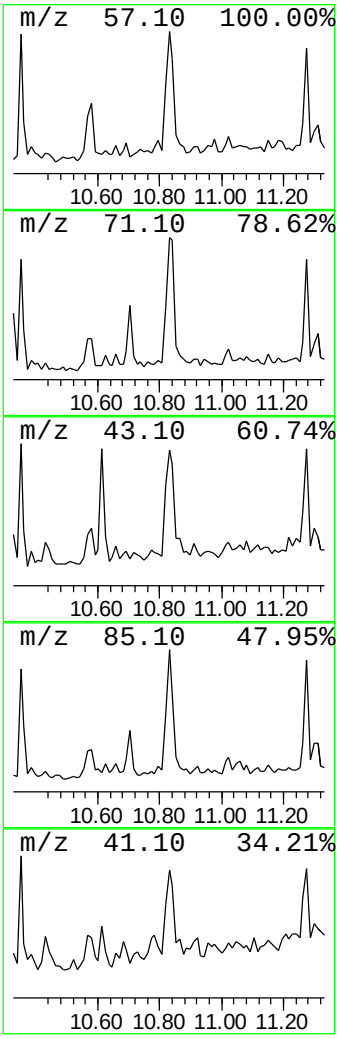
****

Peak Number 5 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	2.30 ng	110902	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Dodecane	170	C12H26	000112-40-3	91
3	5-Ethyldecane	170	C12H26	017302-36-2	64
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	52
5	Heneicosane	296	C21H44	000629-94-7	49





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Sample : G4759-09
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ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K208-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

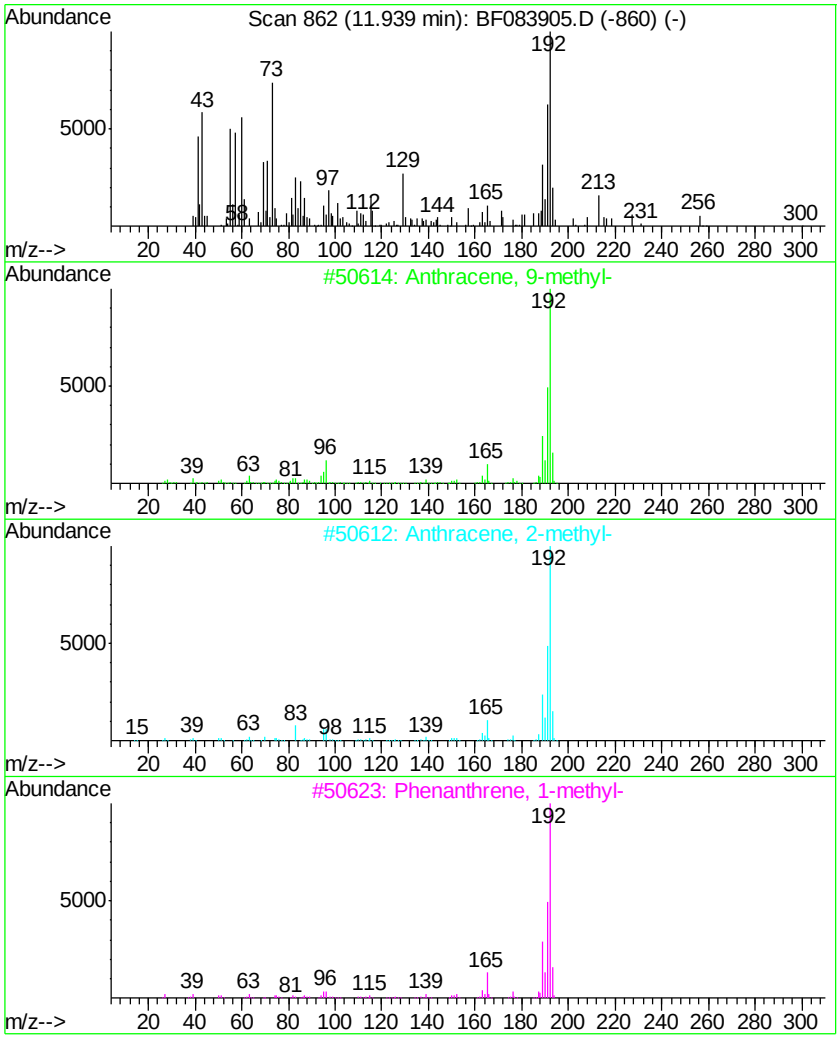
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

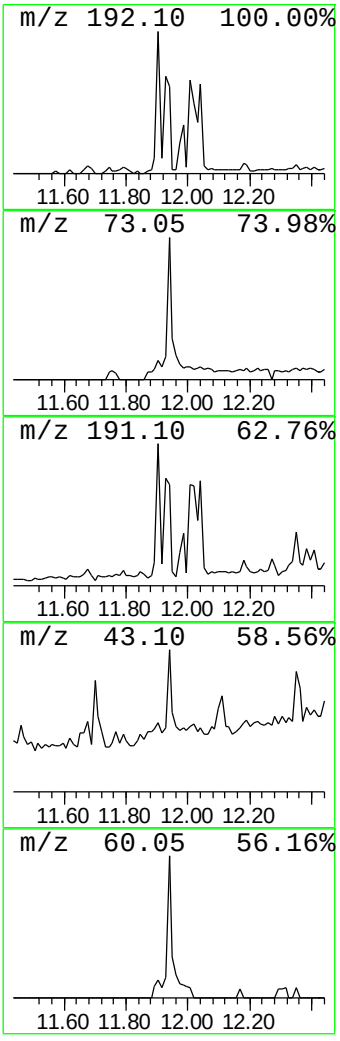
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.67 ng	128805	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	50
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083905.D
Acq On : 18 Dec 2015 8:59
Operator : UM/SJ
Sample : G4759-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K208-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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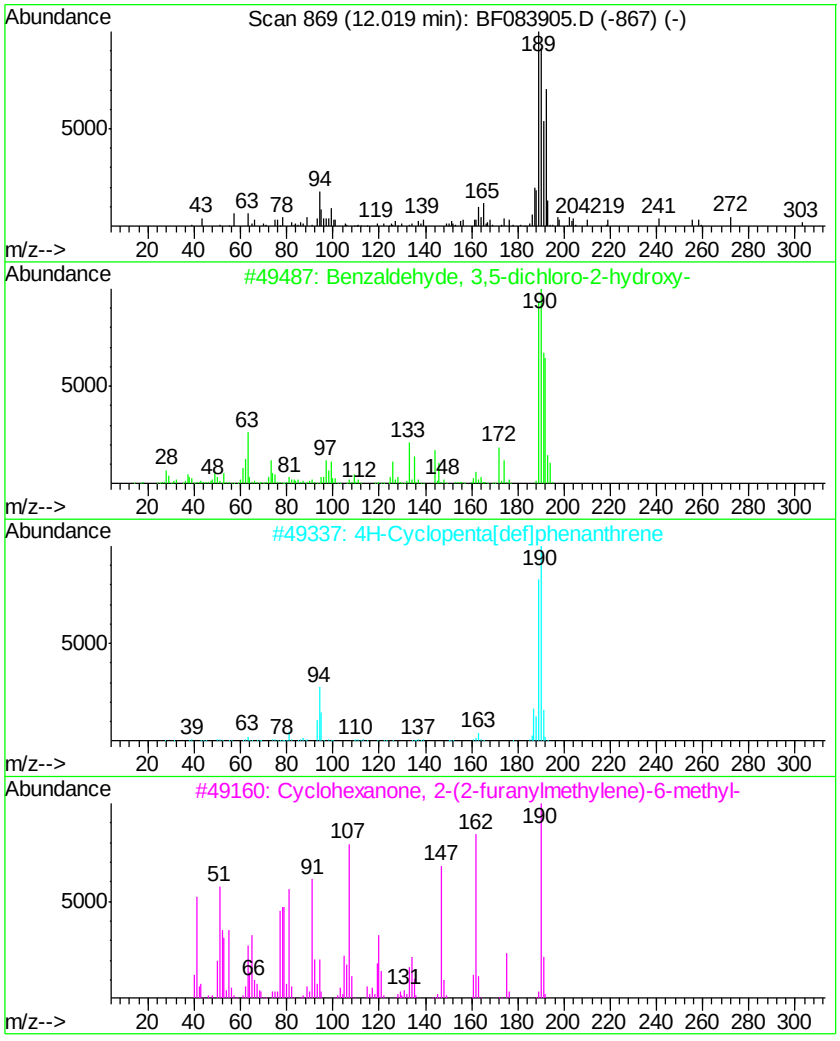
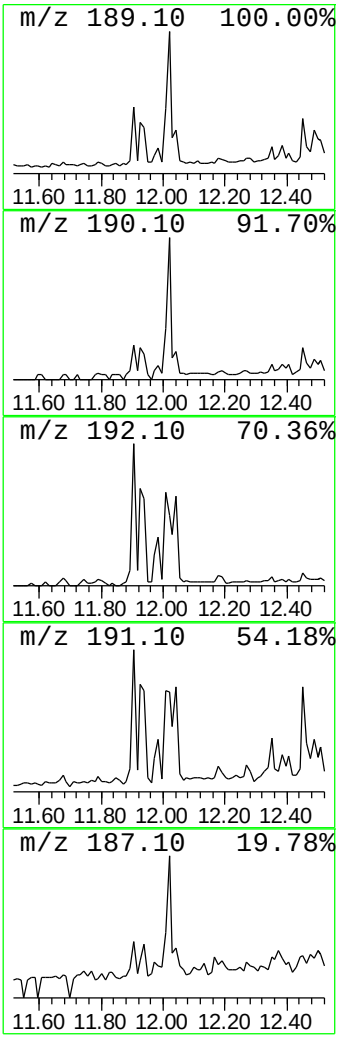
Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.22 ng	106952	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	20
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	18





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Acq On : 18 Dec 2015 8:59
Operator : UM/SJ
Sample : G4759-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K208-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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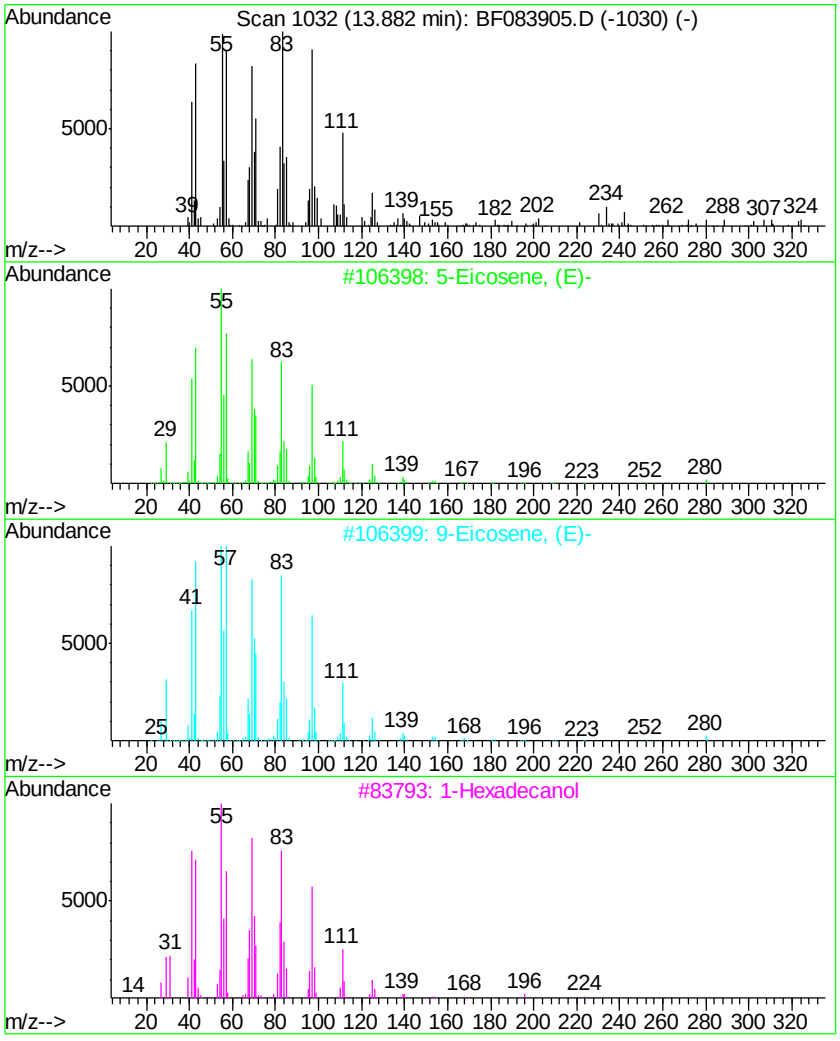
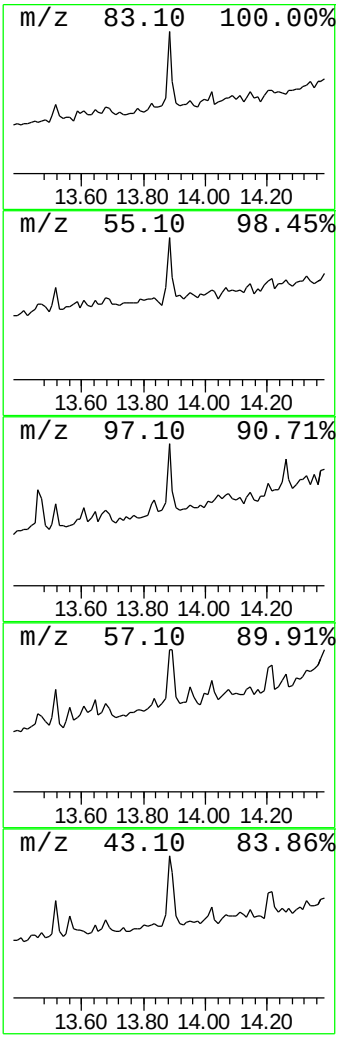
Peak Number 8 5-Eicosene, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	3.50 ng	178809	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	96
2	9-Eicosene, (E)-	280	C20H40	074685-29-3	91
3	1-Hexadecanol	242	C16H34O	036653-82-4	91
4	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
5	Cyclopentadecane	210	C15H30	000295-48-7	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083905.D
Acq On : 18 Dec 2015 8:59
Operator : UM/SJ
Sample : G4759-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K208-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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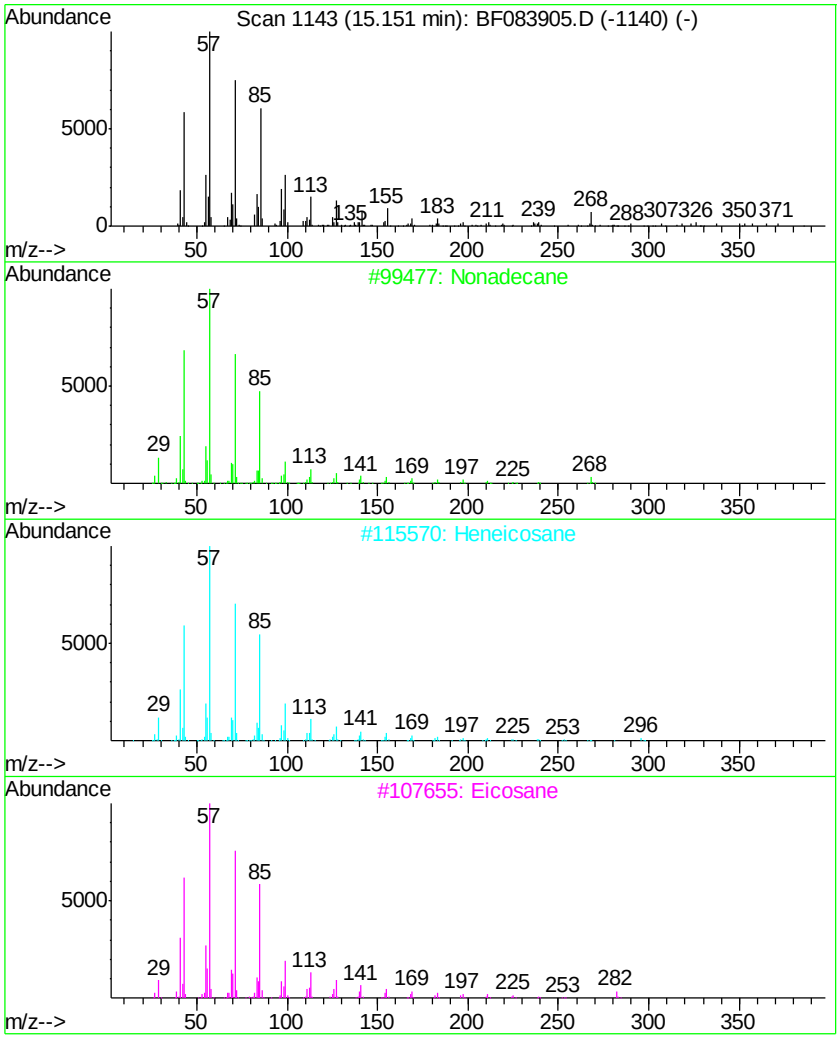
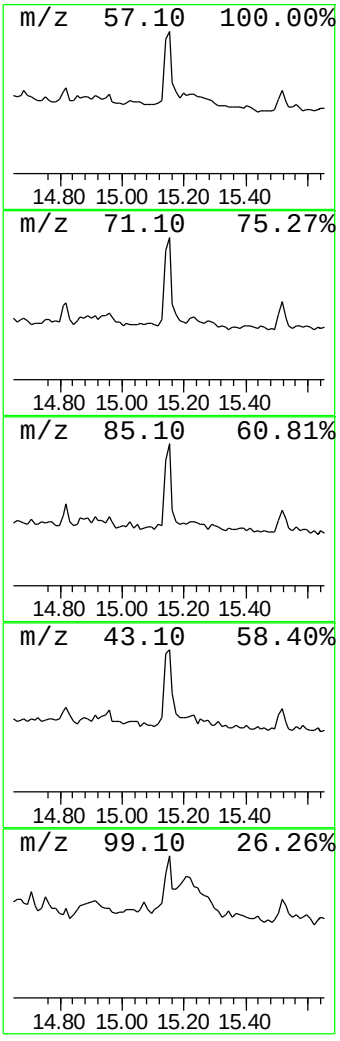
Peak Number 9 Nonadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	7.61 ng	277161	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Heneicosane	296	C21H44	000629-94-7	90
3	Eicosane	282	C20H42	000112-95-8	90
4	Tetratriacontane	479	C34H70	014167-59-0	87
5	Triacontane	422	C30H62	000638-68-6	86





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083905.D
Acq On : 18 Dec 2015 8:59
Operator : UM/SJ
Sample : G4759-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K208-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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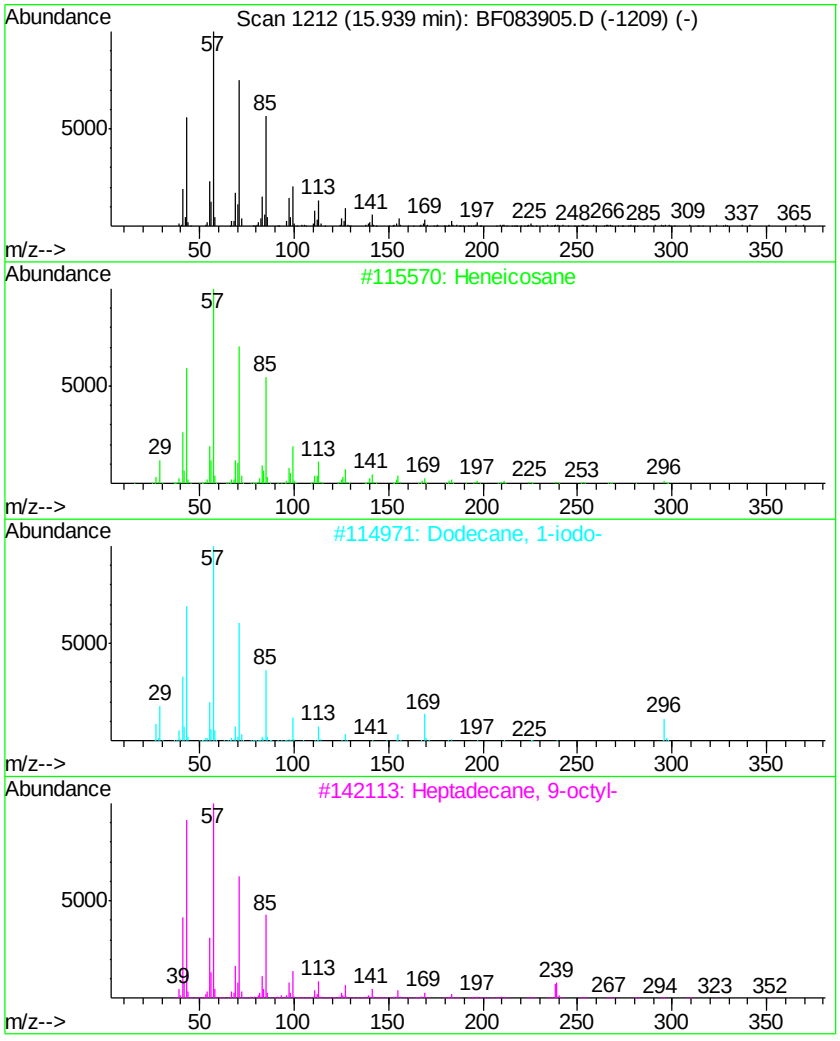
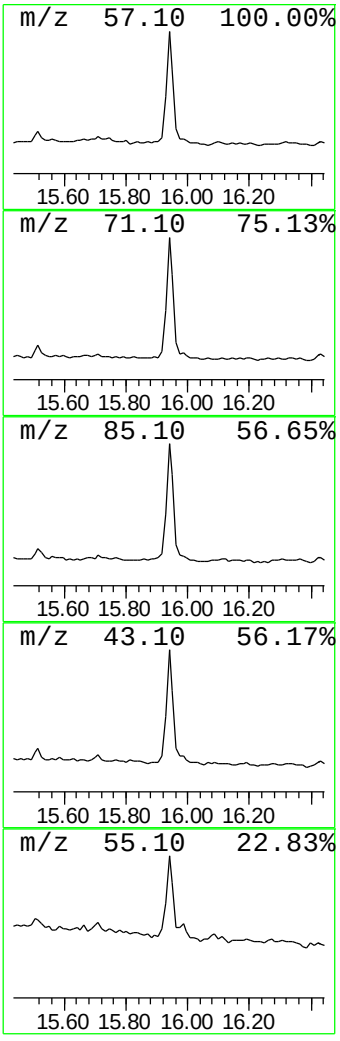
Peak Number 10 Heneicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	18.42 ng	670829	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083905.D
Acq On : 18 Dec 2015 8:59
Operator : UM/SJ
Sample : G4759-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K208-0-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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	6.3	ng	236842	1	6.89	757742	20.0
unknown6.66	6.66	40.0	ng	1517490	1	6.89	757742	20.0
Benzene, 1-methyl...	6.97	2.4	ng	90485	1	6.89	757742	20.0
Tridecane	10.83	2.3	ng	110902	4	11.40	964933	20.0
Anthracene, 9-met...	11.94	2.7	ng	128805	4	11.40	964933	20.0
Benzaldehyde, 3,5...	12.02	2.2	ng	106952	4	11.40	964933	20.0
5-Eicosene, (E)-	13.88	3.5	ng	178809	5	14.04	1021300	20.0
Nonadecane	15.15	7.6	ng	277161	6	15.49	728354	20.0
Heneicosane	15.94	18.4	ng	670829	6	15.49	728354	20.0