LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083419.D
Acq On : 2 Dec 2015 15:41
Operator : UM/IZ
Sample : G4582-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP2-112415

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-BF113015.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	3.127	123	126	131	rBV	68020	135959	2.42%	0.220%
2	4.659	257	260	271	rVB	1018209	1938833	34.46%	3.136%
3	4.933	281	284	292	rBV	481511	703833	12.51%	1.139%
4	5.047	292	294	299	rBV	173763	288221	5.12%	0.466%
5	5.139	299	302	304	rBV	3965982	5206354	92.52%	8.422%
6	5.333	316	319	323	rVB	98251	113148	2.01%	0.183%
7	6.213	393	396	399	rBV	4540934	5305799	94.29%	8.583%
8	6.316	403	405	407	rBV	5485231	5221828	92.80%	8.447%
9	6.533	422	424	427	rBV	667678	914751	16.26%	1.480%
10	6.693	436	438	443	rBV	3409560	3858828	68.58%	6.242%
11	6.796	445	447	450	rBV	599393	695211	12.35%	1.125%
12	7.116	472	475	477	rBV	3307109	3656893	64.99%	5.915%
13	7.253	484	487	492	rVB	44331	63134	1.12%	0.102%
14	7.608	517	518	525	rVB3	60032	120547	2.14%	0.195%
15	7.848	535	539	542	rBV	3835784	5116301	90.92%	8.276%
16	7.905	542	544	548	rVB	101787	137717	2.45%	0.223%
17	8.545	597	600	602	rVV	139166	155447	2.76%	0.251%
18	8.636	606	608	611	rVB	112150	103349	1.84%	0.167%
19	8.785	619	621	624	rVB	74274	80828	1.44%	0.131%
20	8.911	629	632	634	rVV	5467800	5626984	100.00%	9.102%
21	9.002	638	640	643	rVV	114616	117552	2.09%	0.190%
22	9.311	665	667	669	rBV	1142927	1010820	17.96%	1.635%
23	9.436	672	678	680	rVB	85766	124491	2.21%	0.201%
24	9.528	684	686	688	rBV	193634	199229	3.54%	0.322%
25	9.573	688	690	692	rVV	1538800	1473130	26.18%	2.383%
26	9.608	692	693	695	rVB	95932	72134	1.28%	0.117%
27	9.756	704	706	708	rBV2	37378	72459	1.29%	0.117%
28	9.836	710	713	716	rVV3	128424	251516	4.47%	0.407%
29	9.893	716	718	722	rVB3	56622	97677	1.74%	0.158%
30	10.031	724	730	732	rBV	295381	324440	5.77%	0.525%
31	10.122	736	738	742	rVB2	54173	78910	1.40%	0.128%
32	10.248	746	749	752	rBV	95802	159277	2.83%	0.258%
33	10.362	756	759	762	rVB	3251177	3347405	59.49%	5.415%
34	10.511	770	772	776	rBV	214701	355601	6.32%	0.575%

LSC Area Percent Report

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Data File : BF083419.D
Acq On : 2 Dec 2015 15:41
Operator : UM/IZ
Sample : G4582-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP2-112415

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-BF113015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.716	787	790	792	rBV2	36475	57311	1.02%	0.093%
36	10.785	794	796	798	rBV	78027	103309	1.84%	0.167%
37	11.002	813	815	816	rBV2	116086	142966	2.54%	0.231%
38	11.105	822	824	829	rBV2	1119097	1707450	30.34%	2.762%
39	11.196	829	832	838	rVB3	92426	166006	2.95%	0.269%
40	11.288	838	840	843	rBV2	40113	63295	1.12%	0.102%
41	11.711	872	877	879	rBV2	190270	286023	5.08%	0.463%
42	11.814	883	886	889	rBV	705860	983313	17.47%	1.591%
43	12.145	913	915	920	rVB2	82506	153221	2.72%	0.248%
44	12.362	930	934	937	rBV	49878	88430	1.57%	0.143%
45	12.454	939	942	944	rVV	85090	155498	2.76%	0.252%
46	12.499	944	946	950	rVB	54256	88750	1.58%	0.144%
47	12.637	956	958	961	rVB	127093	149367	2.65%	0.242%
48	12.774	966	970	974	rVV3	90021	205701	3.66%	0.333%
49	12.888	977	980	982	rBV	311873	420652	7.48%	0.680%
50	12.945	982	985	987	rVV2	210286	400881	7.12%	0.648%
51	12.991	987	989	996	rVB3	39817	127354	2.26%	0.206%
52	13.208	1004	1008	1010	rBV	3642522	5210965	92.61%	8.429%
53	13.448	1026	1029	1033	rBV3	46460	105449	1.87%	0.171%
54	13.928	1068	1071	1074	rBV	34292	78972	1.40%	0.128%
55	14.637	1130	1133	1138	rBV2	184872	356862	6.34%	0.577%
56	14.728	1138	1141	1144	rBV	938381	1313445	23.34%	2.125%
57	16.214	1268	1271	1274	rBV	898623	1254030	22.29%	2.028%
58	16.786	1318	1321	1327	rBV	589092	934838	16.61%	1.512%
59	20.009	1600	1603	1609	rBV6	23083	68236	1.21%	0.110%
60	21.883	1763	1767	1775	rVB9	17114	69915	1.24%	0.113%

Sum of corrected areas: 61820845

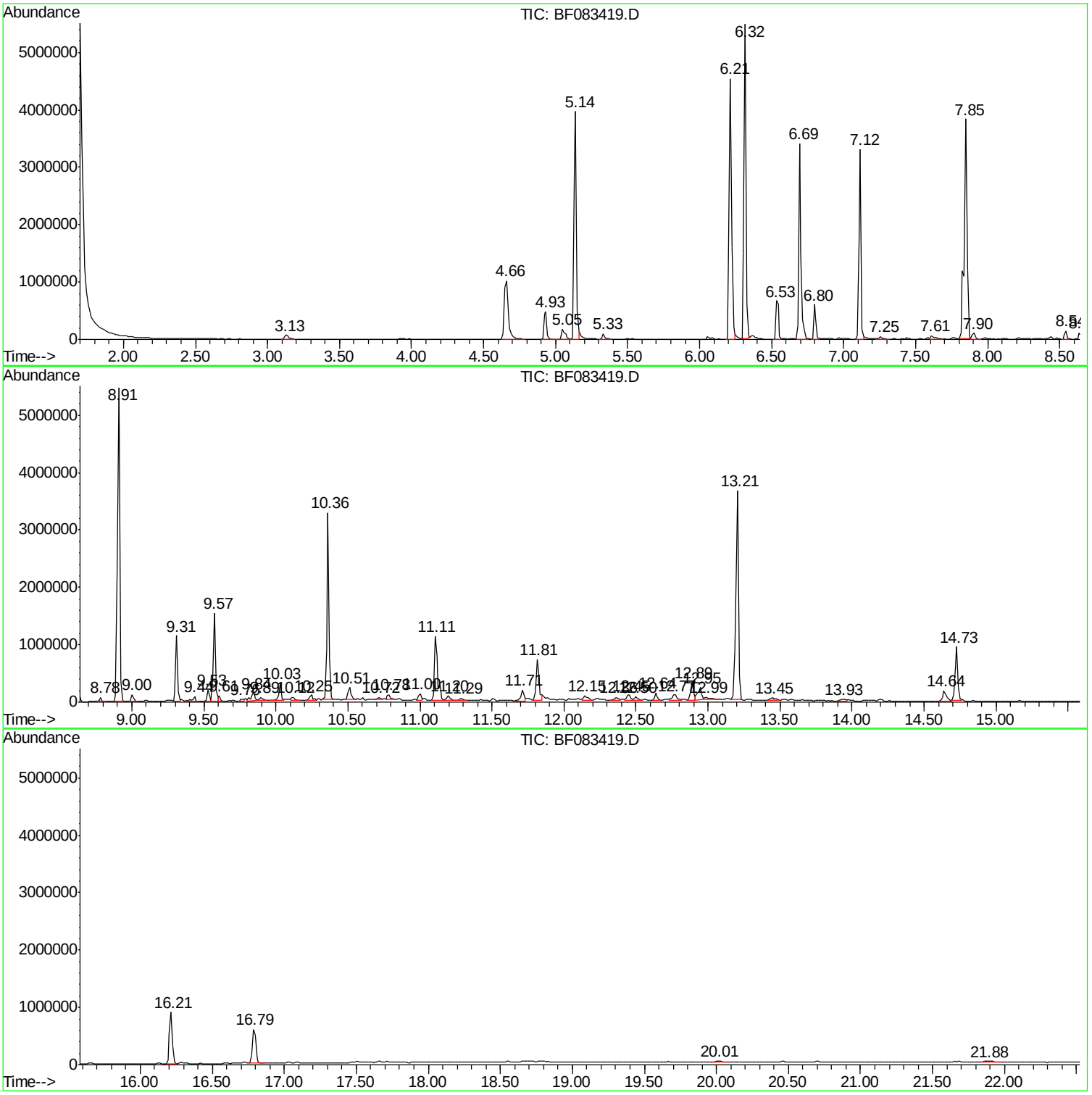
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083419.D
Acq On : 2 Dec 2015 15:41
Operator : UM/IZ
Sample : G4582-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP2-112415

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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\BF120215\
Data File : BF083419.D
Acq On : 2 Dec 2015 15:41
Operator : UM/IZ
Sample : G4582-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP2-112415

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

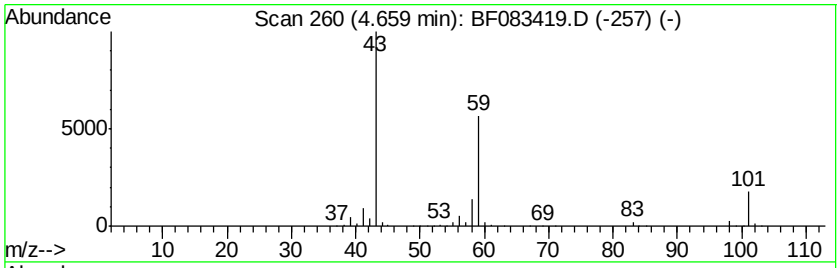
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

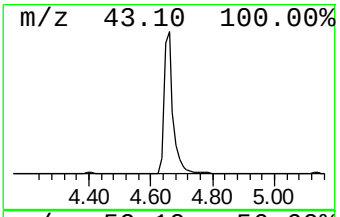
****

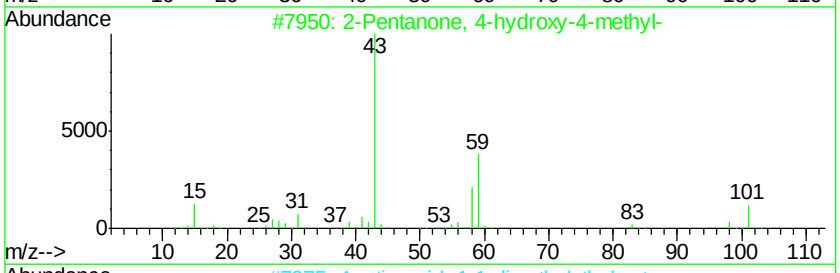
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

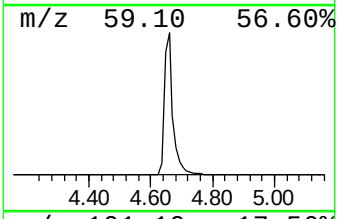
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.66	42.39 ng	1938830	1,4-Dichlorobenzene-d4	6.54

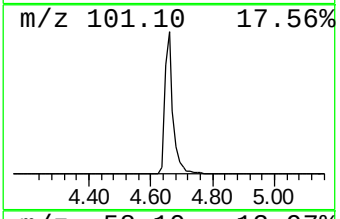
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25

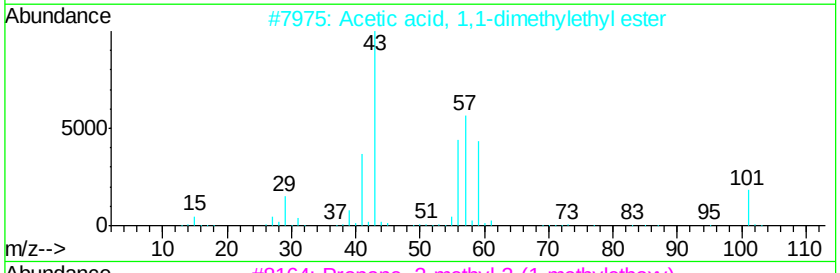


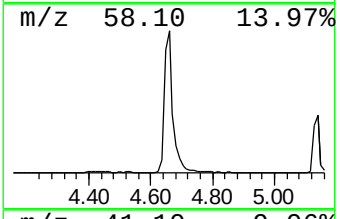


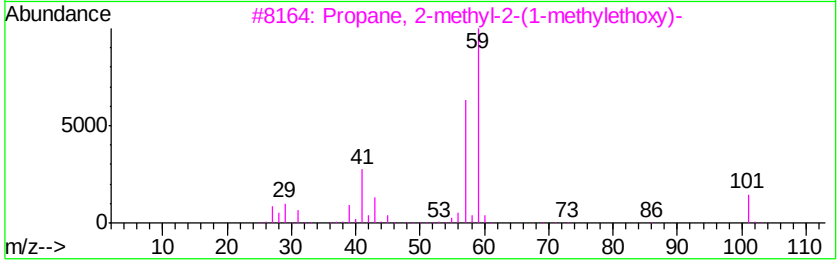


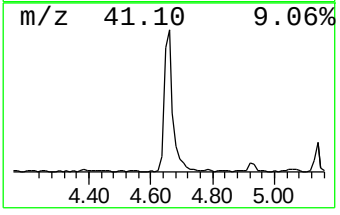












Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083419.D
Acq On : 2 Dec 2015 15:41
Operator : UM/IZ
Sample : G4582-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP2-112415

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

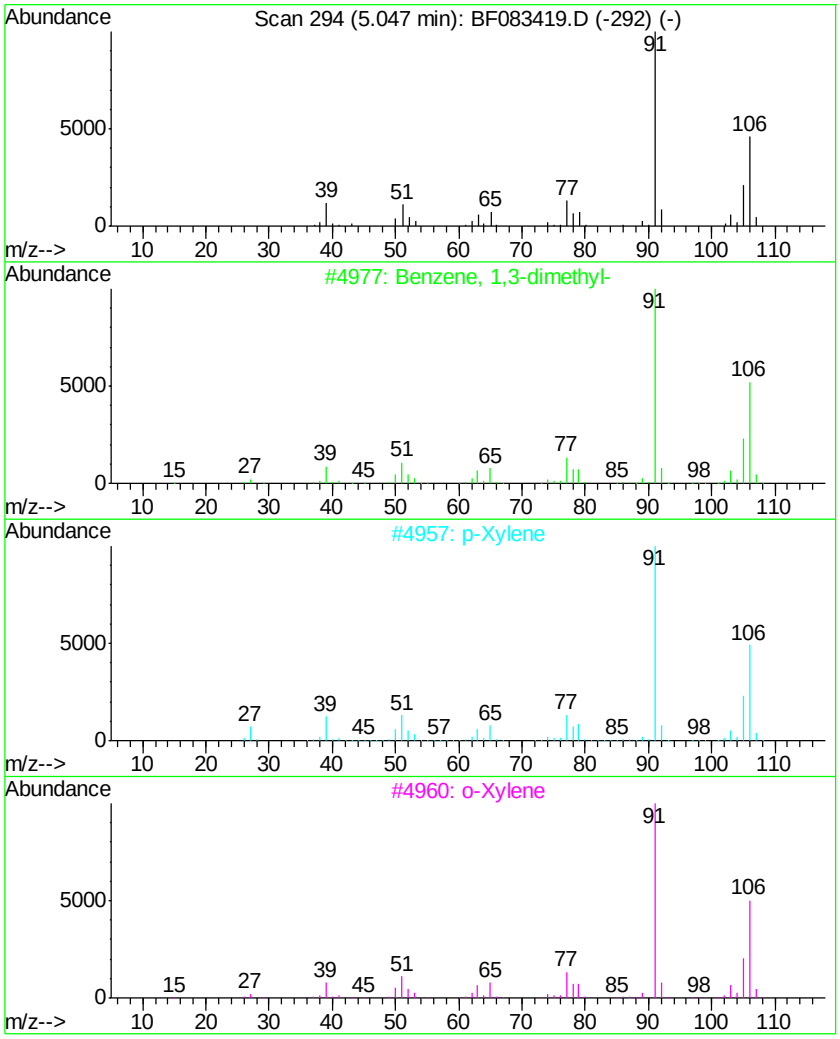
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

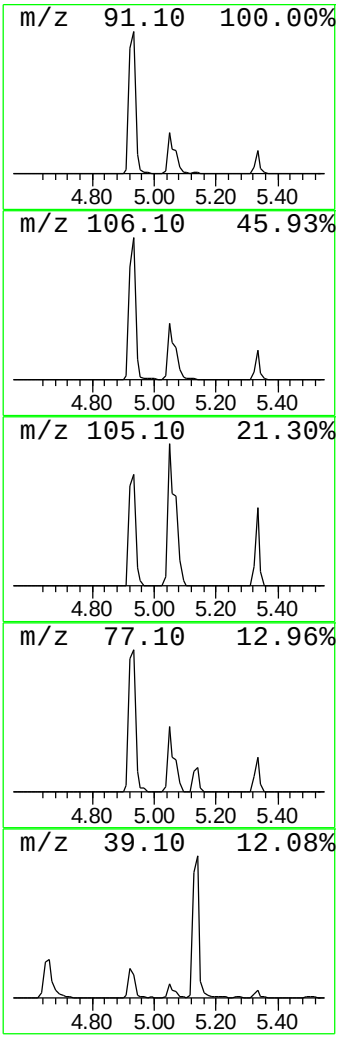
****

Peak Number 4 Benzene, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	6.30 ng	288221	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	p-Xylene	106	C8H10	000106-42-3	97
3	o-Xylene	106	C8H10	000095-47-6	91
4	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	91
5	Ethylbenzene	106	C8H10	000100-41-4	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083419.D
Acq On : 2 Dec 2015 15:41
Operator : UM/IZ
Sample : G4582-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP2-112415

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

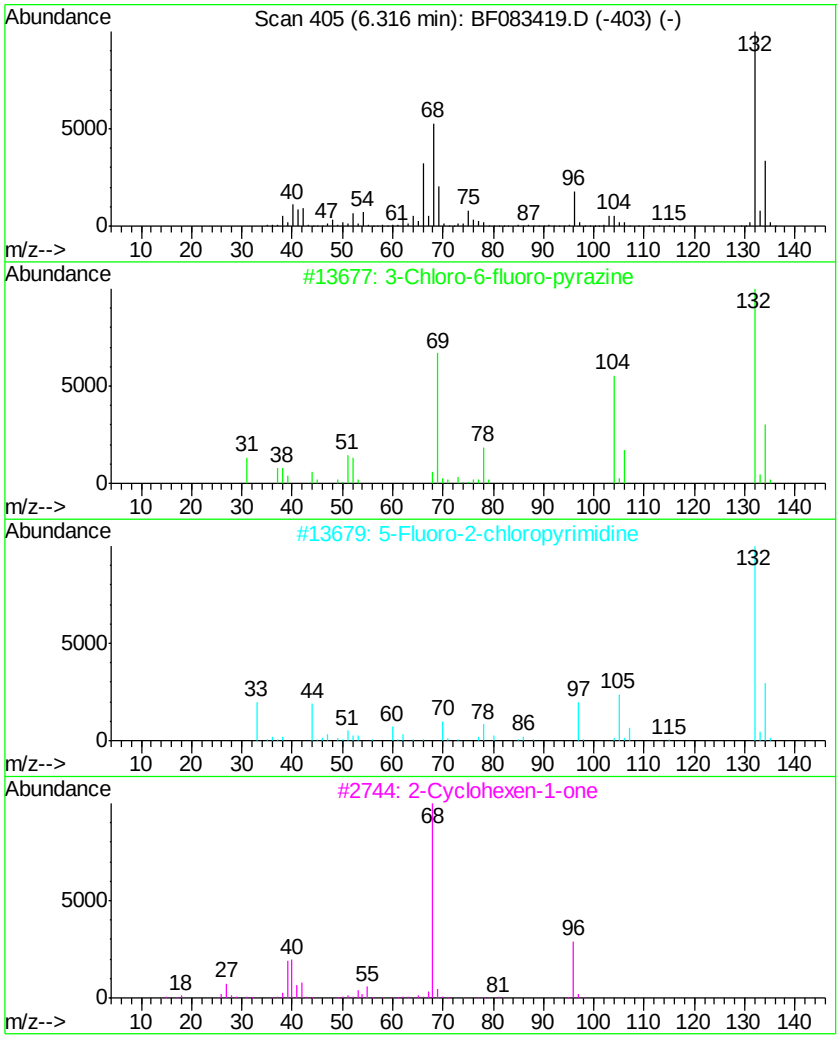
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

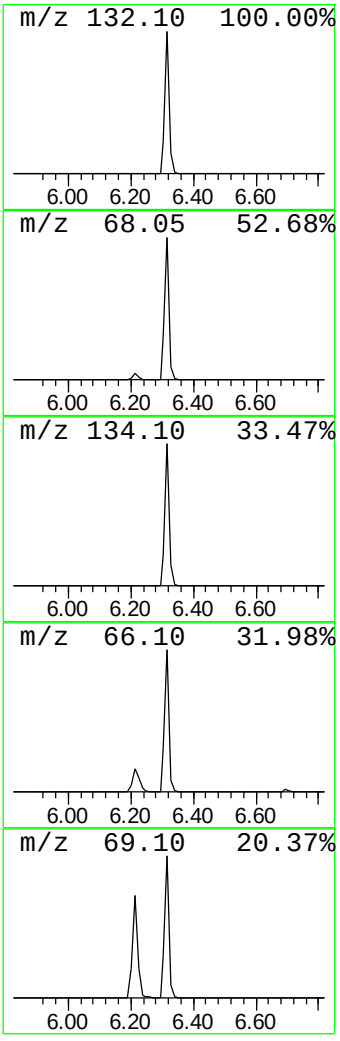
****

Peak Number 6 unknown6.32 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	114.17 ng	5221830	1,4-Dichlorobenzene-d4	6.54

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	16
3	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083419.D
Acq On : 2 Dec 2015 15:41
Operator : UM/IZ
Sample : G4582-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP2-112415

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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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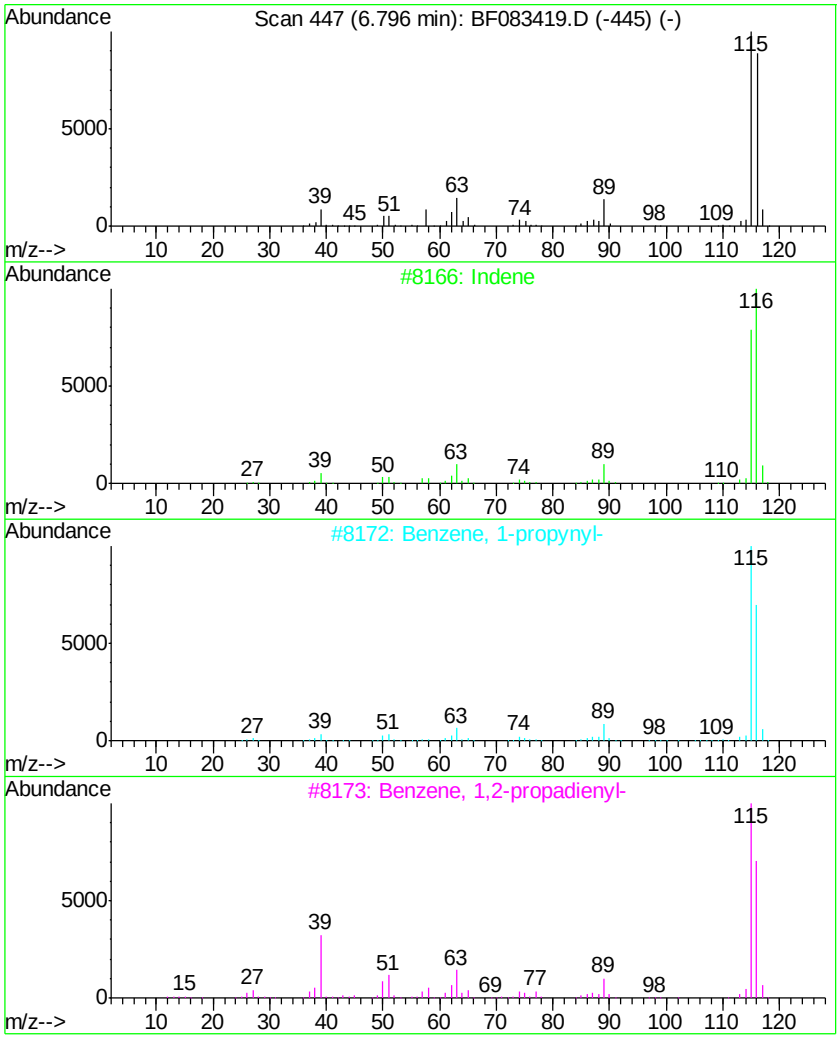
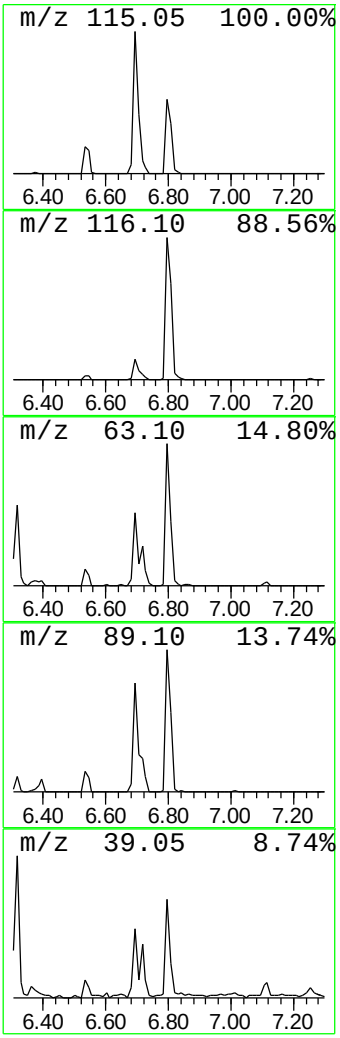
Peak Number 8 Indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	15.20 ng	695211	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
4	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083419.D
Acq On : 2 Dec 2015 15:41
Operator : UM/IZ
Sample : G4582-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP2-112415

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

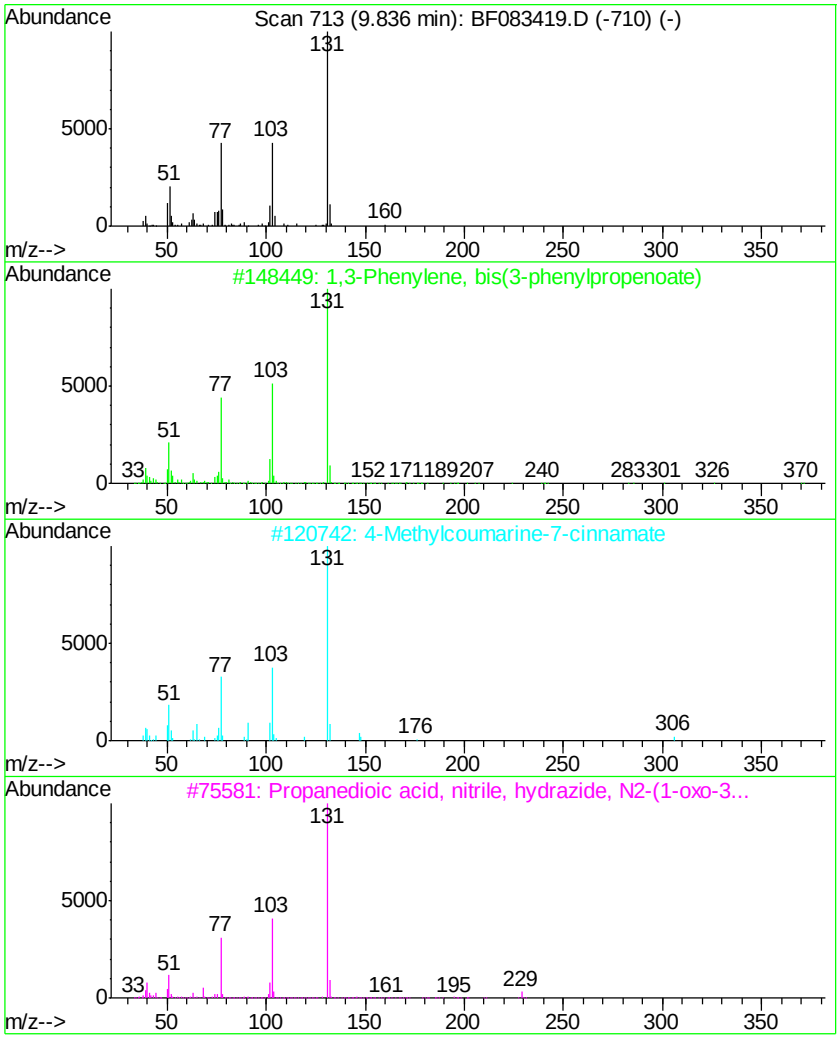
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

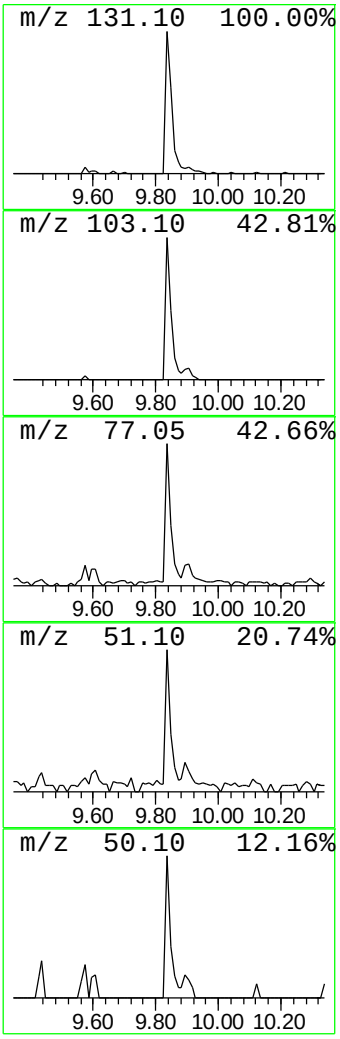
****

Peak Number 9 1,3-Phenylene, bis(3-phenyl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	3.41 ng	251516	Acenaphthene-d10	9.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Phenylene, bis(3-phenylprope...	370	C24H18O4	1000259-62-4	90
2	4-Methylcoumarine-7-cinnamate	306	C19H14O4	300829-05-4	83
3	Propanedioic acid, nitrile, hydr...	229	C12H11N3O2	294878-35-6	83
4	Vinyl trans-cinnamate	174	C11H10O2	017719-70-9	74
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083419.D
Acq On : 2 Dec 2015 15:41
Operator : UM/IZ
Sample : G4582-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP2-112415

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

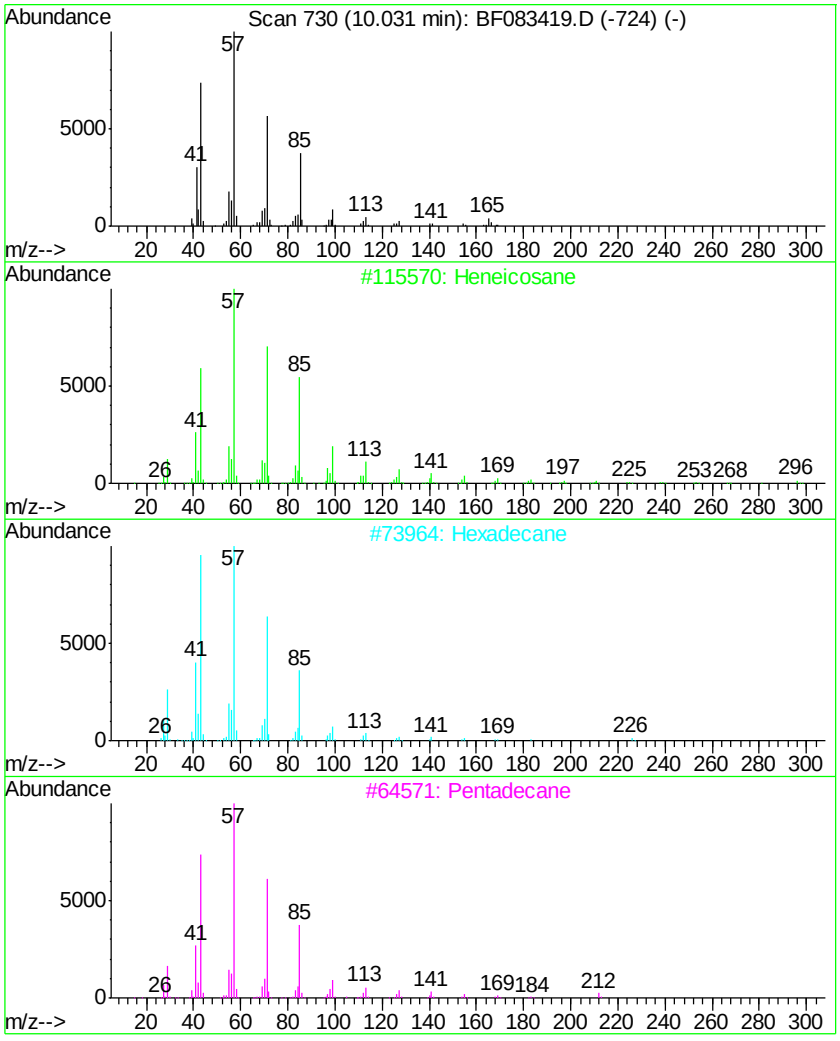
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

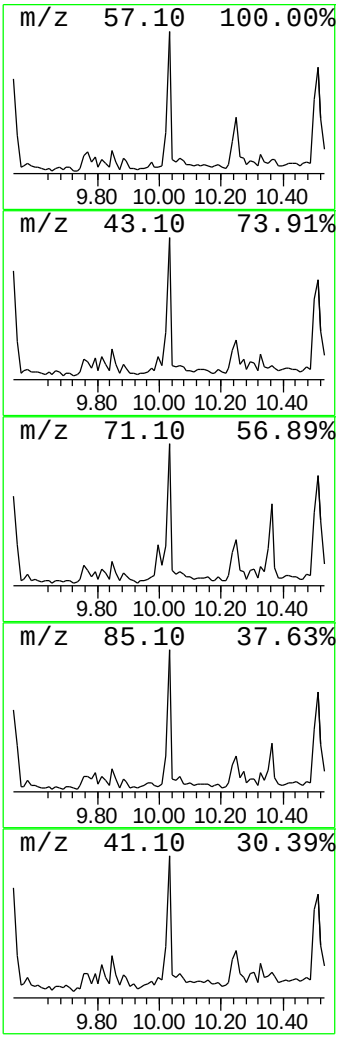
****

Peak Number 10 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	4.40 ng	324440	Acenaphthene-d10	9.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Tetradecane	198	C14H30	000629-59-4	86
5	Heptadecane	240	C17H36	000629-78-7	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083419.D
Acq On : 2 Dec 2015 15:41
Operator : UM/IZ
Sample : G4582-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP2-112415

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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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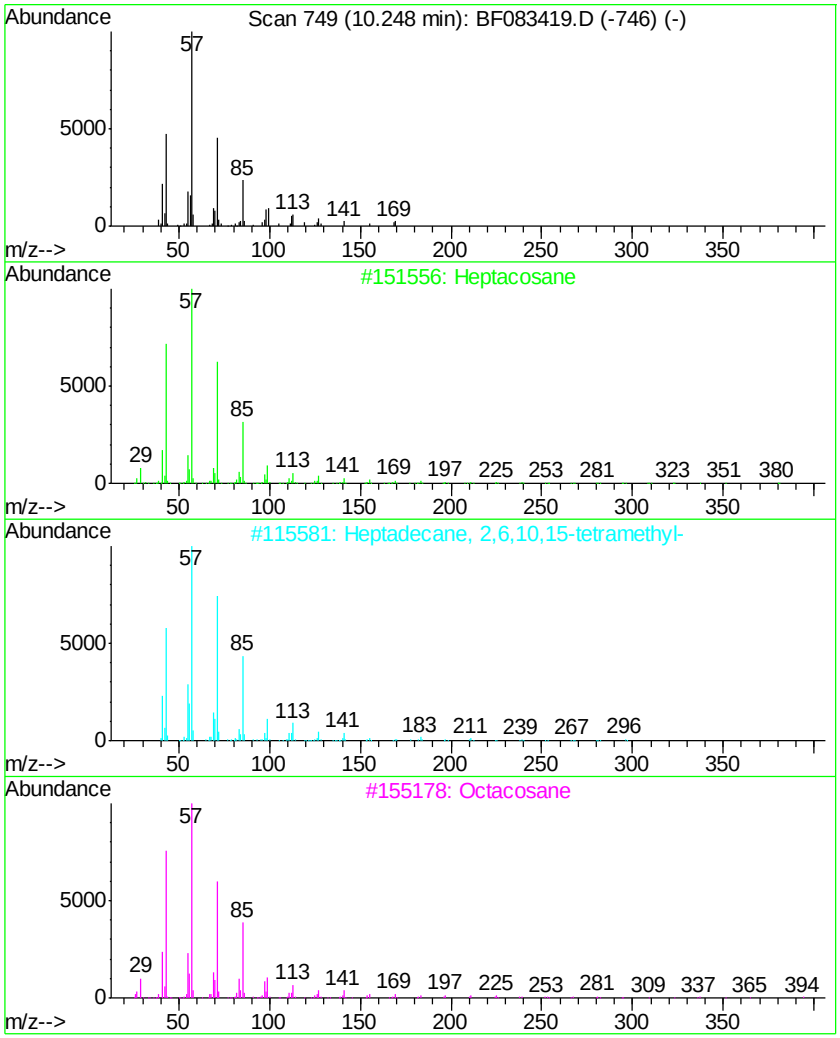
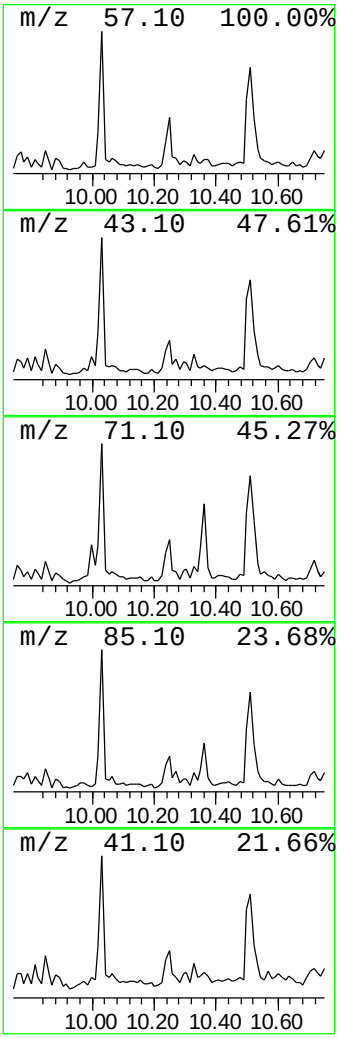
Peak Number 11 Heptacosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	2.16 ng	159277	Acenaphthene-d10	9.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	80
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
3	Octacosane	394	C28H58	000630-02-4	80
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
5	Eicosane	282	C20H42	000112-95-8	72





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Data File : BF083419.D
Acq On : 2 Dec 2015 15:41
Operator : UM/IZ
Sample : G4582-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP2-112415

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
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TIC Library : C:\DATABASE\NIST02.L
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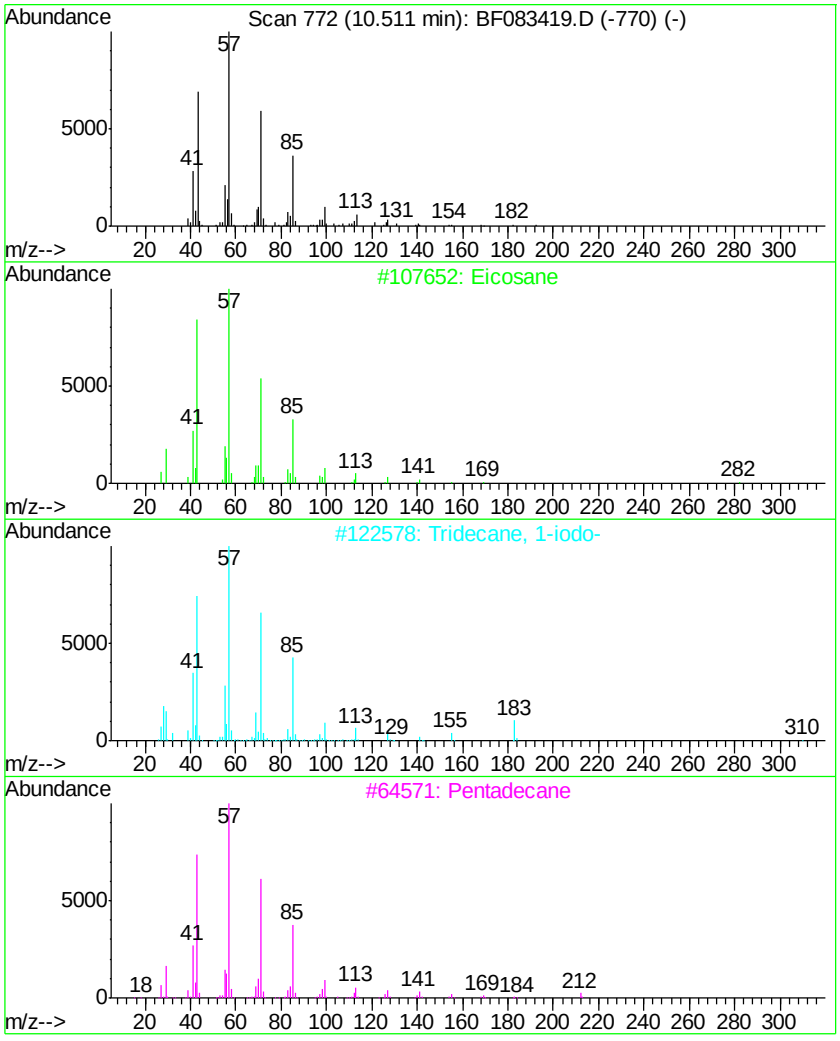
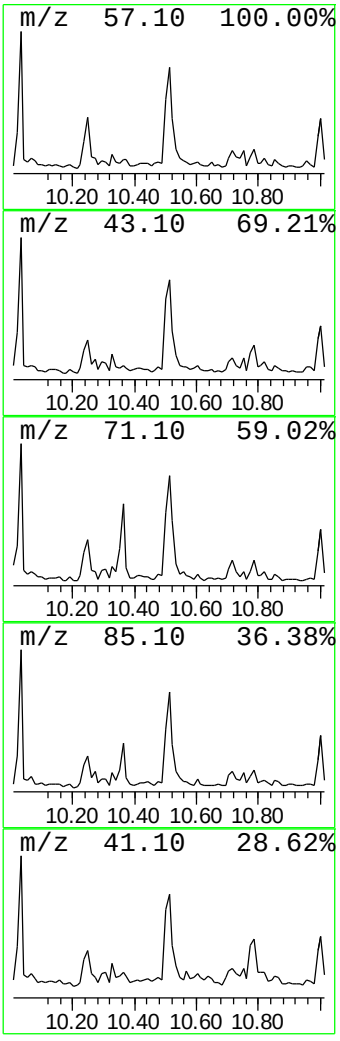
Peak Number 12 Eicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	4.17 ng	355601	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Tridecane	184	C13H28	000629-50-5	90





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP2-112415

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
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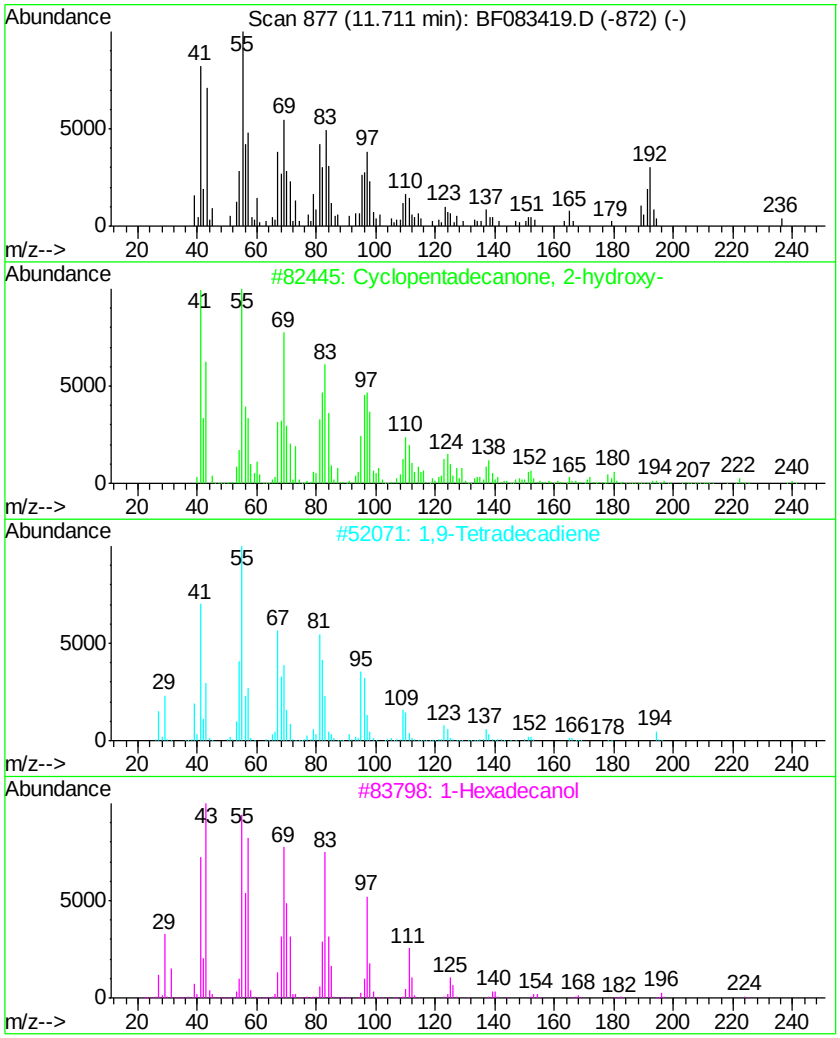
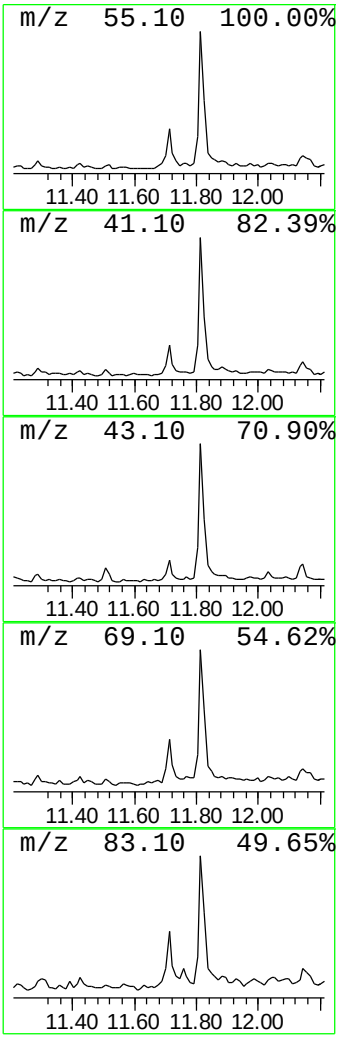
Peak Number 13 Cyclopentadecanone, 2-hydroxy- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	3.35 ng	286023	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecanone, 2-hydroxy-	240	C15H28O2	004727-18-8	62
2	1,9-Tetradecadiene	194	C14H26	112929-06-3	59
3	1-Hexadecanol	242	C16H34O	036653-82-4	53
4	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	53
5	9-Octadecene, (E)-	252	C18H36	007206-25-9	49





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Sample : G4582-17
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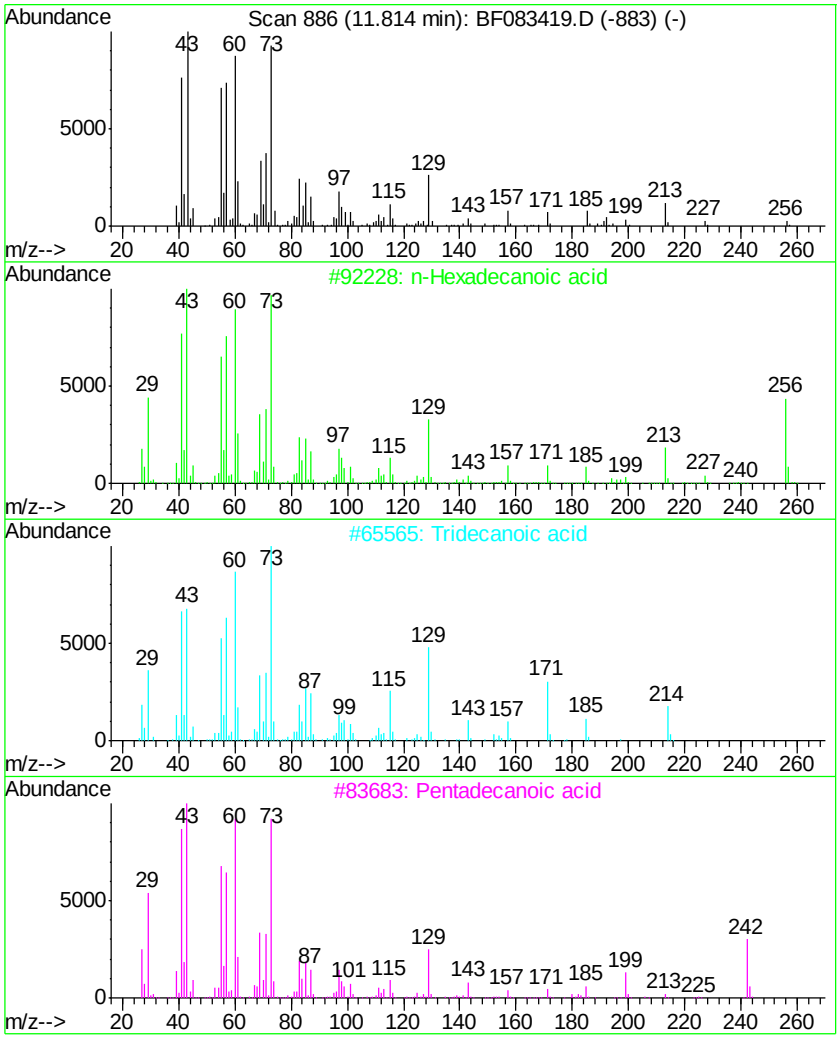
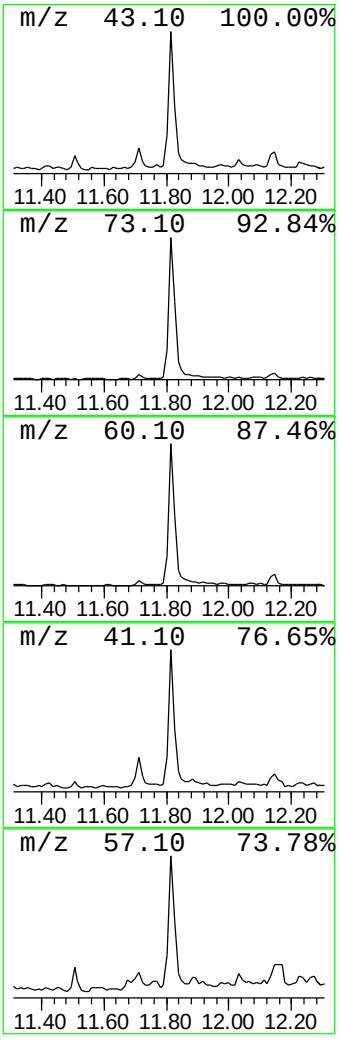
Peak Number 14 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	11.52 ng	983313	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Dodecanoic acid	200	C12H24O2	000143-07-7	81
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	80





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Sample : G4582-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP2-112415

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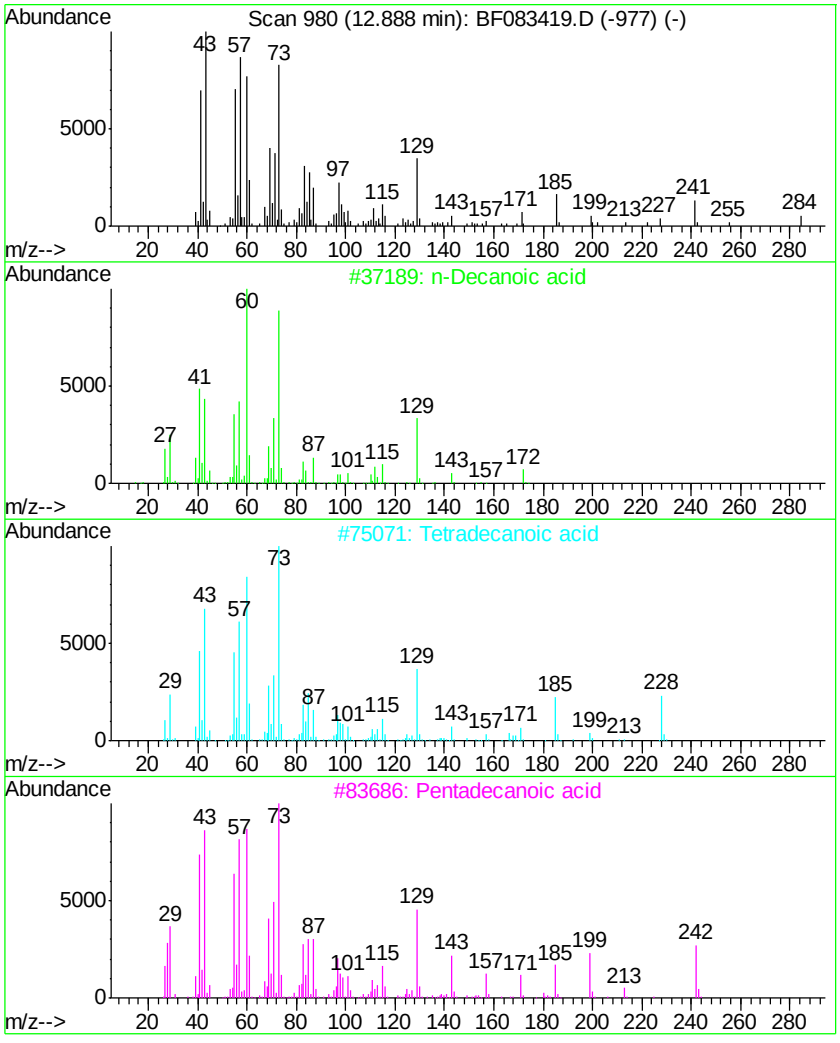
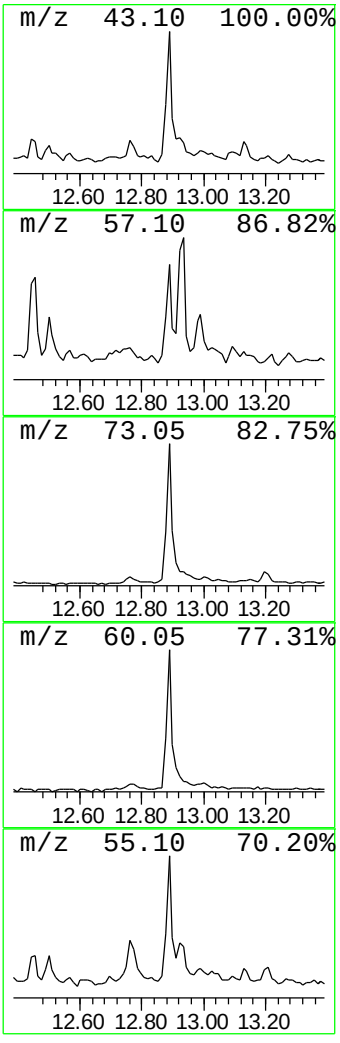
Peak Number 16 n-Decanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	4.93 ng	420652	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	64
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	60
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	59
5	Dodecanoic acid	200	C12H24O2	000143-07-7	50





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Sample : G4582-17
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ClientSampleId : DUP2-112415

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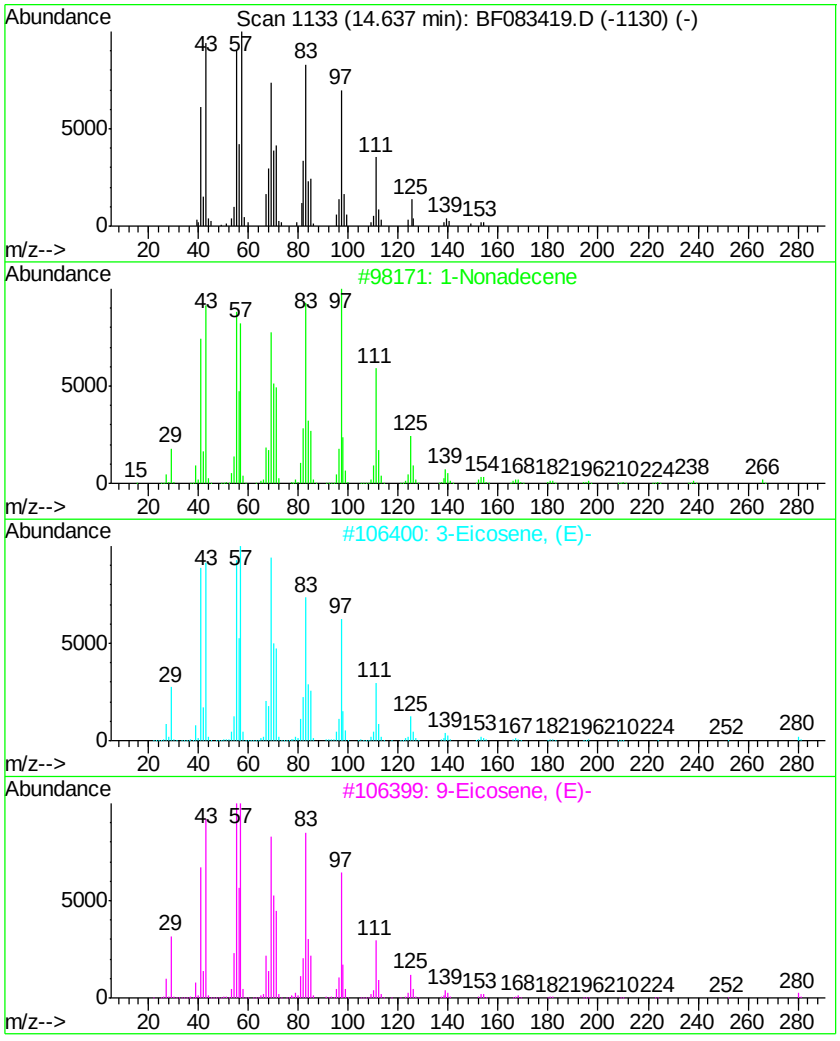
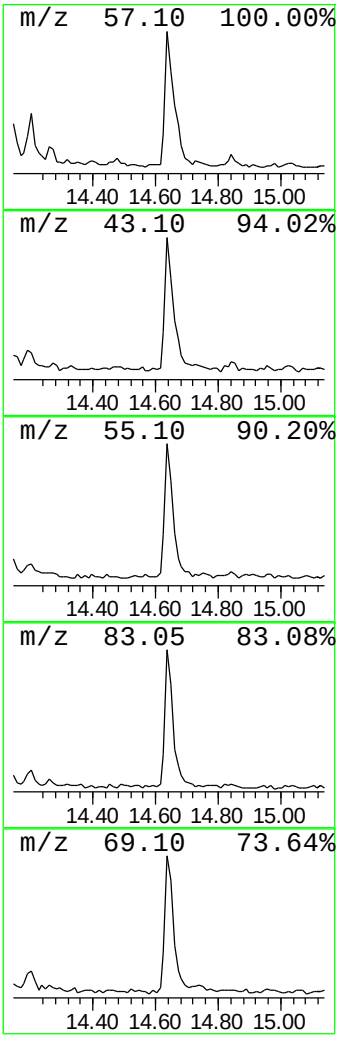
Peak Number 17 1-Nonadecene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	5.43 ng	356862	Chrysene-d12	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	91
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
3	9-Eicosene, (E)-	280	C20H40	074685-29-3	91
4	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	91
5	1-Heptadecanol	256	C17H36O	001454-85-9	90





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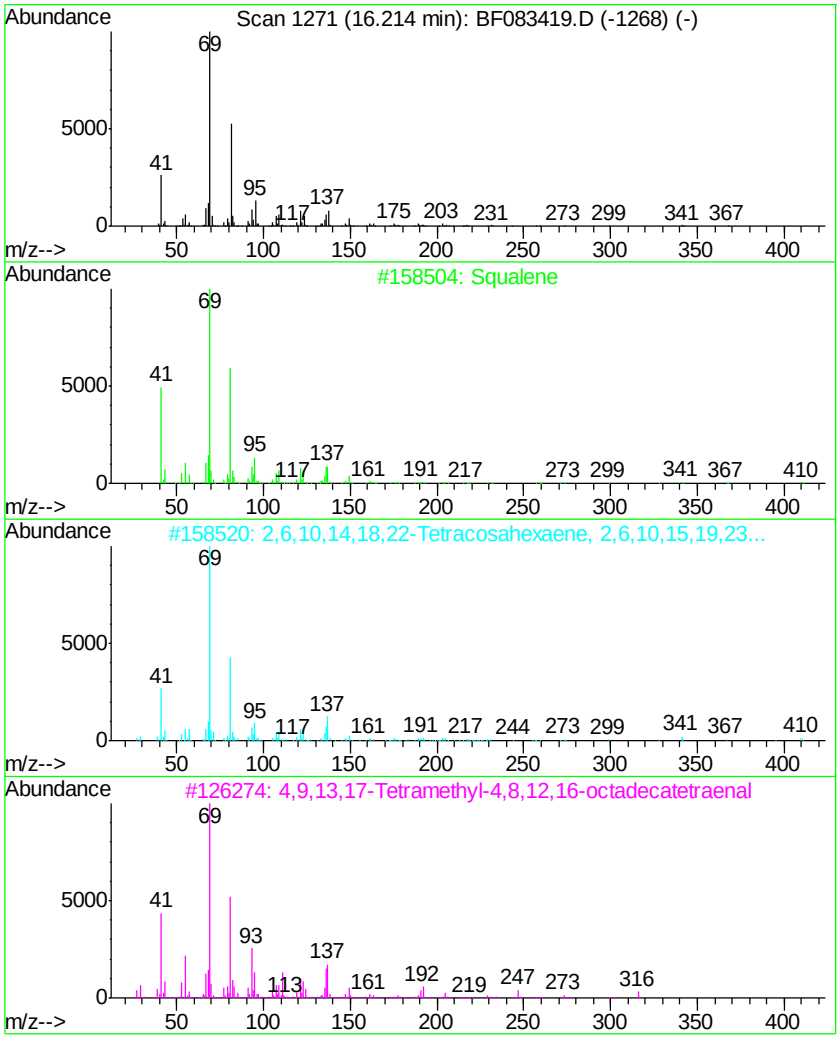
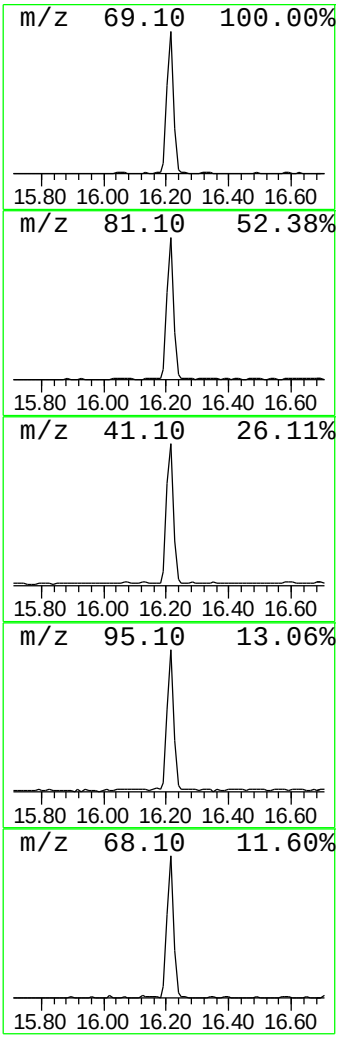
Peak Number 18 Squalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	26.83 ng	1254030	Perylene-d12	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	91
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	91
3	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	83
4	1-(Phenylthio)-3,7,11-trimethyl-...	314	C21H30S	028413-57-2	83
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	264	C17H28O2	004128-17-0	72





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.66	42.4	ng	1938830	1	6.54	914751	20.0
Benzene, 1,3-dime...	5.05	6.3	ng	288221	1	6.54	914751	20.0
unknown6.32	6.32	114.2	ng	5221830	1	6.54	914751	20.0
Indene	6.80	15.2	ng	695211	1	6.54	914751	20.0
1,3-Phenylene, bi...	9.84	3.4	ng	251516	3	9.57	1473130	20.0
Heneicosane	10.03	4.4	ng	324440	3	9.57	1473130	20.0
Heptacosane	10.25	2.2	ng	159277	3	9.57	1473130	20.0
Eicosane	10.51	4.2	ng	355601	4	11.11	1707450	20.0
Cyclopentadecanon...	11.71	3.4	ng	286023	4	11.11	1707450	20.0
n-Hexadecanoic acid	11.81	11.5	ng	983313	4	11.11	1707450	20.0
n-Decanoic acid	12.89	4.9	ng	420652	4	11.11	1707450	20.0
1-Nonadecene	14.64	5.4	ng	356862	5	14.73	1313450	20.0
Squalene	16.21	26.8	ng	1254030	6	16.79	934838	20.0