LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

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-BF040115.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	1.393	16	18	24	rBV	215957	430813	14.66%	2.936%
2	1.484	24	26	68	rVB	1427848	2939387	100.00%	20.030%
3	3.267	180	182	190	rVB	52883	90867	3.09%	0.619%
4	3.781	225	227	243	rVB	385362	546164	18.58%	3.722%
5	5.267	355	357	366	rBV	361697	575705	19.59%	3.923%
6	5.393	366	368	372	rVB	414518	604215	20.56%	4.117%
7	5.759	397	400	403	rVB	113901	155522	5.29%	1.060%
8	5.987	417	420	423	rBV	346226	463359	15.76%	3.157%
9	6.696	479	482	485	rBV	286056	363079	12.35%	2.474%
10	7.907	585	588	591	rBV	168617	232188	7.90%	1.582%
11	9.919	761	764	767	rBV	469019	699080	23.78%	4.764%
12	10.731	832	835	838	rBB	30231	34998	1.19%	0.238%
13	11.096	864	867	870	rBV	193024	257559	8.76%	1.755%
14	12.559	992	995	1001	rVB	294073	446613	15.19%	3.043%
15	13.828	1103	1106	1108	rBV	199895	282034	9.59%	1.922%
16	13.862	1108	1109	1112	rVV	134807	179710	6.11%	1.225%
17	13.965	1116	1118	1121	rVB	22559	30513	1.04%	0.208%
18	14.868	1195	1197	1199	rVV2	20962	33765	1.15%	0.230%
19	14.994	1206	1208	1214	rBV2	80071	136439	4.64%	0.930%
20	15.222	1225	1228	1234	rVB3	17708	38557	1.31%	0.263%
21	15.771	1273	1276	1279	rVB	311502	339282	11.54%	2.312%
22	16.080	1301	1303	1306	rVB	315980	356453	12.13%	2.429%
23	16.377	1326	1329	1331	rVV	689285	815901	27.76%	5.560%
24	16.571	1339	1346	1348	rBV3	23611	60610	2.06%	0.413%
25	16.697	1355	1357	1362	rBV3	23151	44652	1.52%	0.304%
26	17.246	1399	1405	1407	rBV	36937	55661	1.89%	0.379%
27	17.383	1414	1417	1419	rBV	27160	39394	1.34%	0.268%
28	17.428	1419	1421	1423	rVV2	29059	50276	1.71%	0.343%
29	17.520	1427	1429	1432	rVB2	26564	36748	1.25%	0.250%
30	17.703	1439	1445	1447	rBV2	351786	768389	26.14%	5.236%
31	17.737	1447	1448	1451	rVV	155733	202049	6.87%	1.377%
32	17.851	1455	1458	1460	rVV	253184	373327	12.70%	2.544%
33	18.023	1472	1473	1476	rBV3	22196	34000	1.16%	0.232%
34	18.126	1478	1482	1484	rVB4	13753	34766	1.18%	0.237%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

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-BF040115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.217	1488	1490	1492	rBV	30252	43028	1.46%	0.293%
36	18.514	1512	1516	1521	rBV3	87832	230996	7.86%	1.574%
37	18.903	1546	1550	1555	rBV4	63031	128566	4.37%	0.876%
38	18.983	1555	1557	1563	rBV	153992	364944	12.42%	2.487%
39	19.097	1565	1567	1569	rVB	33293	46666	1.59%	0.318%
40	19.143	1569	1571	1575	rBV4	11453	31860	1.08%	0.217%
41	19.280	1575	1583	1586	rBV3	143349	409793	13.94%	2.792%
42	19.349	1586	1589	1592	rVB	144974	189862	6.46%	1.294%
43	19.406	1592	1594	1599	rBV2	264850	402608	13.70%	2.743%
44	19.989	1642	1645	1646	rBV2	43832	86509	2.94%	0.589%
45	20.012	1646	1647	1650	rVV2	57688	81095	2.76%	0.553%
46	20.069	1650	1652	1655	rVB3	21692	30934	1.05%	0.211%
47	20.446	1682	1685	1692	rBV3	21094	45156	1.54%	0.308%
48	20.560	1692	1695	1699	rBV2	71768	142077	4.83%	0.968%
49	20.697	1705	1707	1708	rBV	22575	36526	1.24%	0.249%
50	20.732	1708	1710	1711	rVV2	29865	51350	1.75%	0.350%
51	20.777	1711	1714	1719	rVV6	54425	153758	5.23%	1.048%
52	20.869	1719	1722	1729	rVB	74977	178983	6.09%	1.220%
53	21.017	1731	1735	1738	rBV2	48048	130840	4.45%	0.892%
54	21.703	1791	1795	1799	rVB6	15725	39117	1.33%	0.267%
55	22.435	1856	1859	1866	rVB	18901	55024	1.87%	0.375%
56	23.258	1929	1931	1938	rVB3	16538	43321	1.47%	0.295%

Sum of corrected areas: 14675088

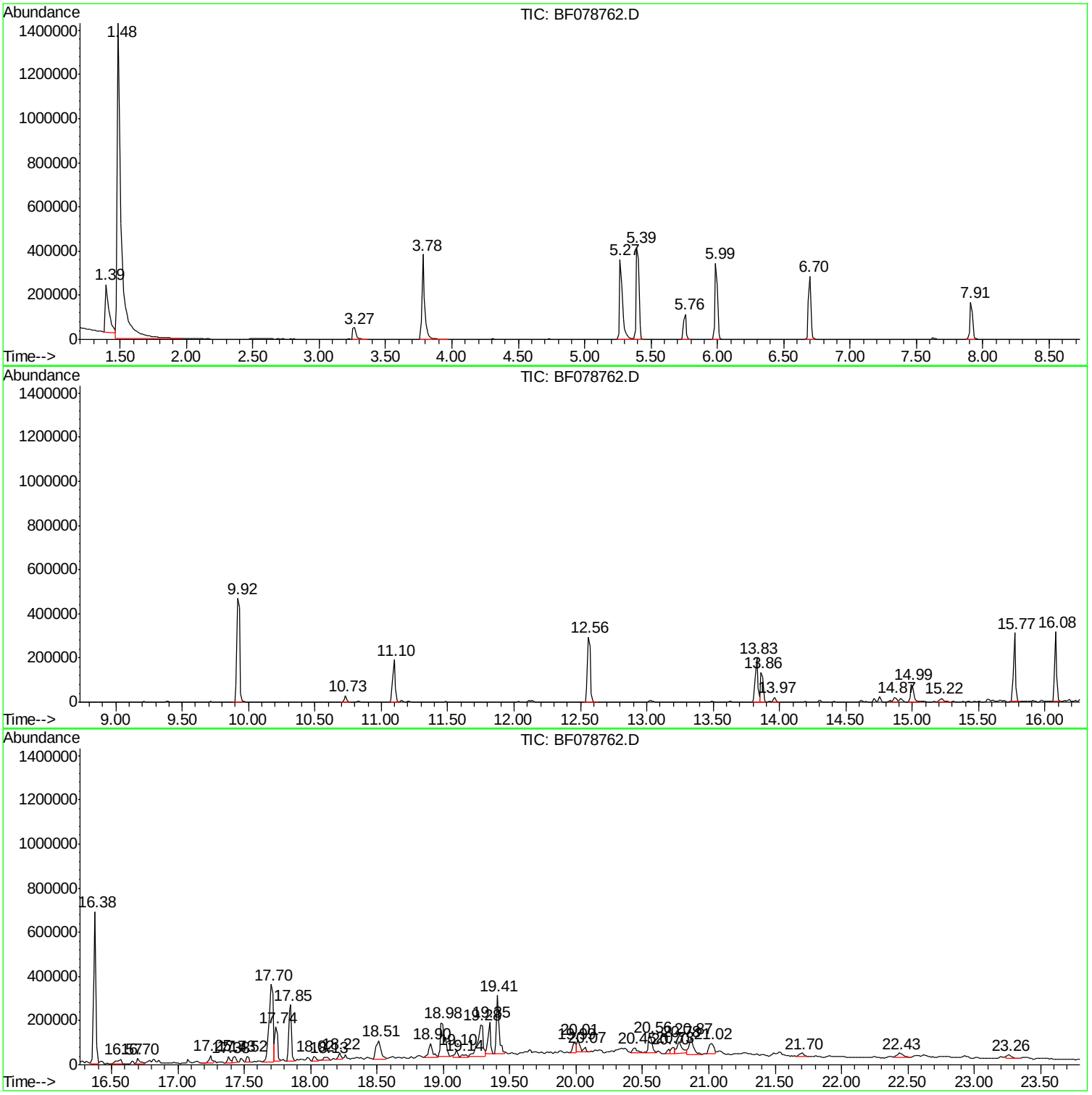
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

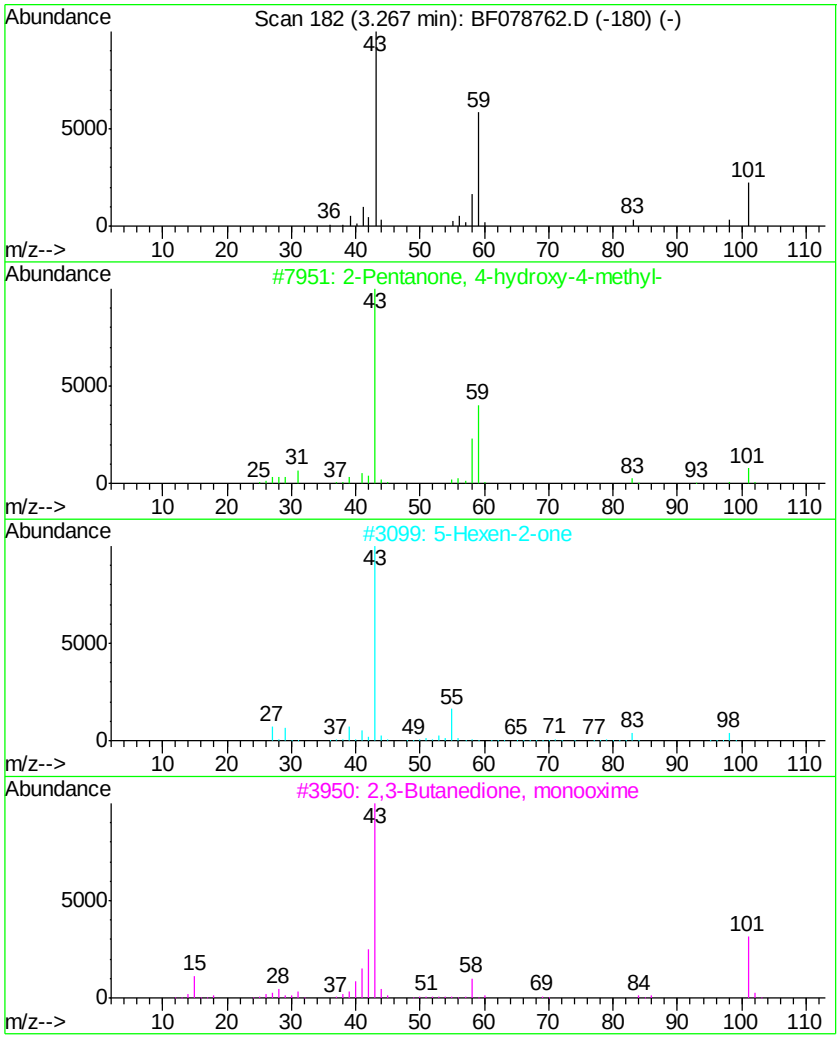
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

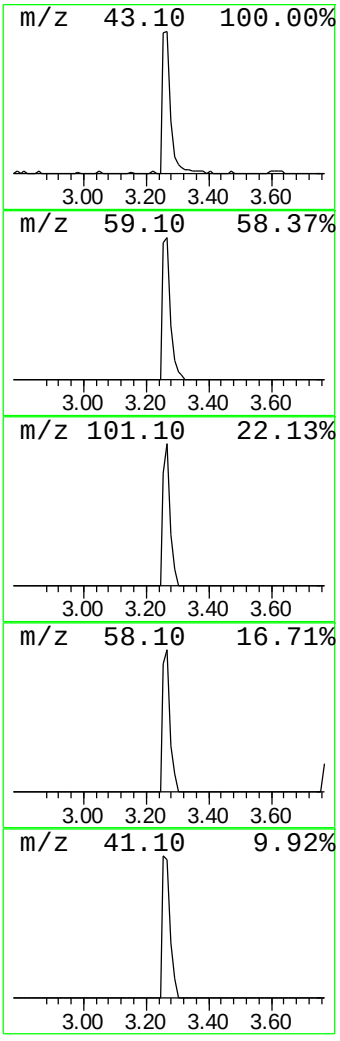
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.27	11.69 ng	90867	1,4-Dichlorobenzene-d4	5.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	9
5	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

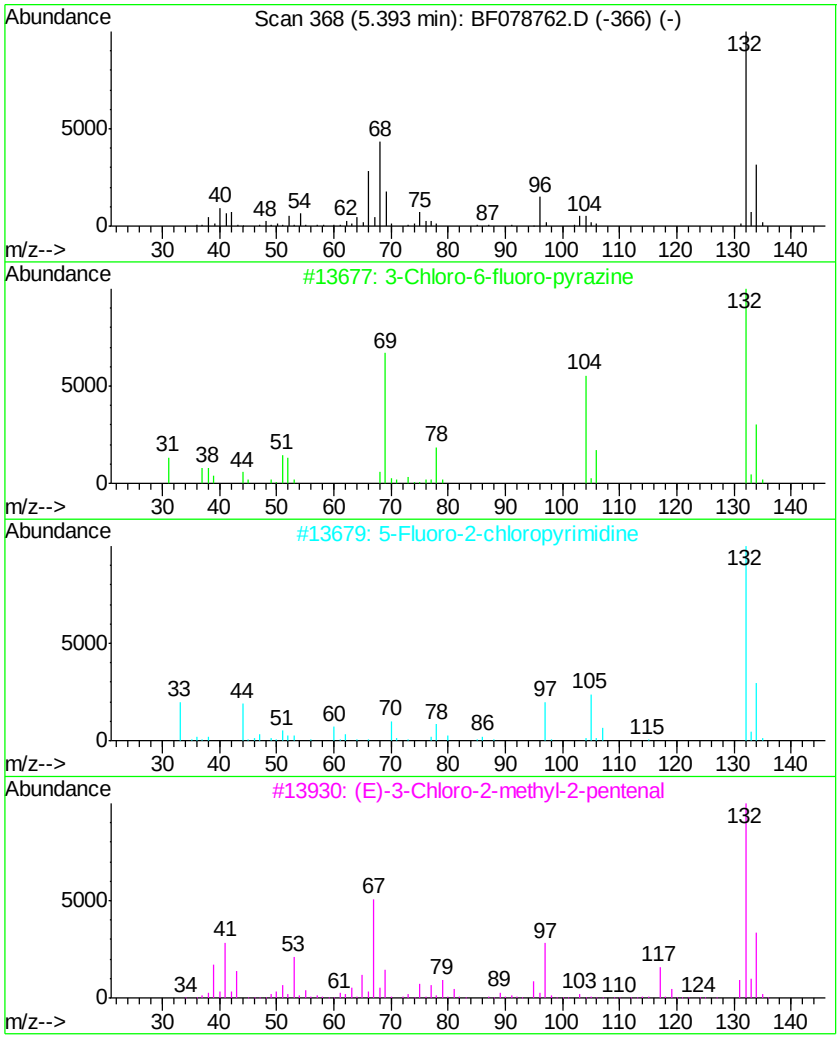
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

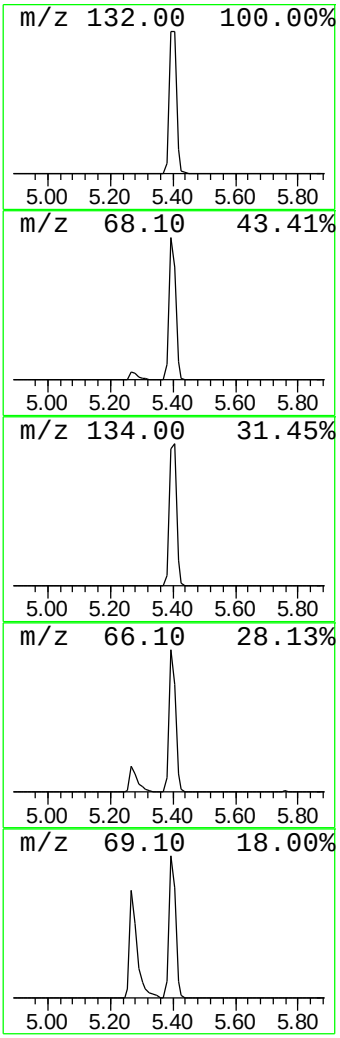
****

Peak Number 4 unknown5.39 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.39	77.70 ng	604215	1,4-Dichlorobenzene-d4	5.76

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	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

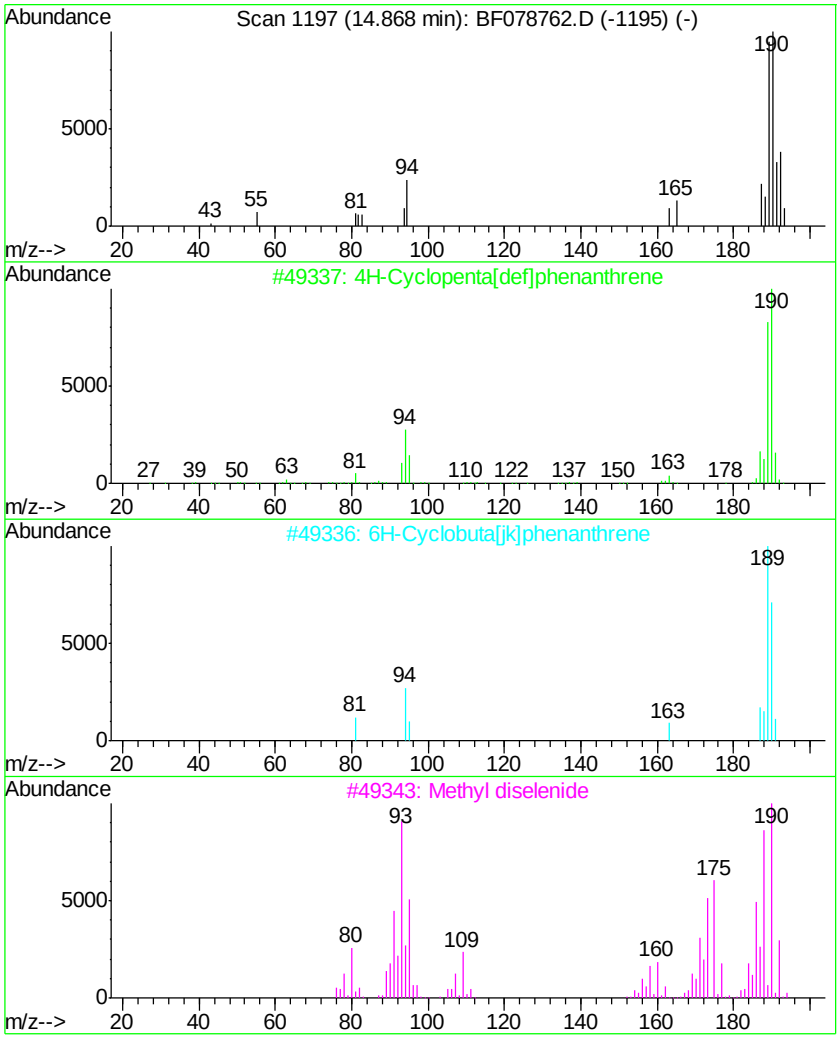
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

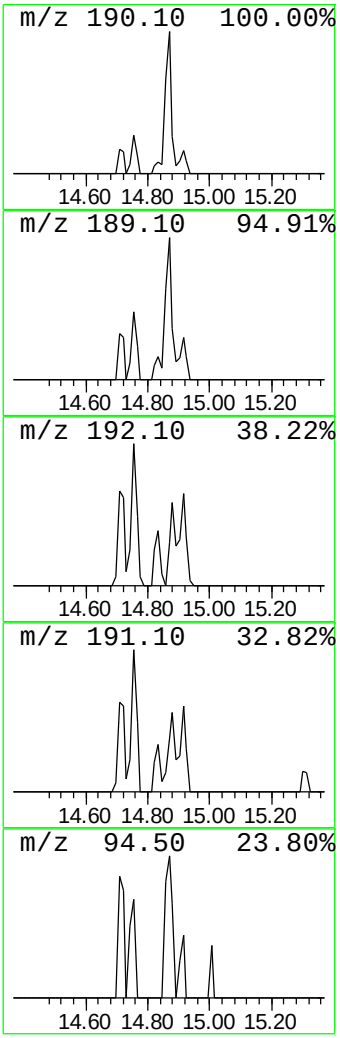
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	2.39 ng	33765	Phenanthrene-d10	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	Pyridazine-3(2H)-thione, 4-chlor...	190	C6H7ClN2OS	072038-53-0	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

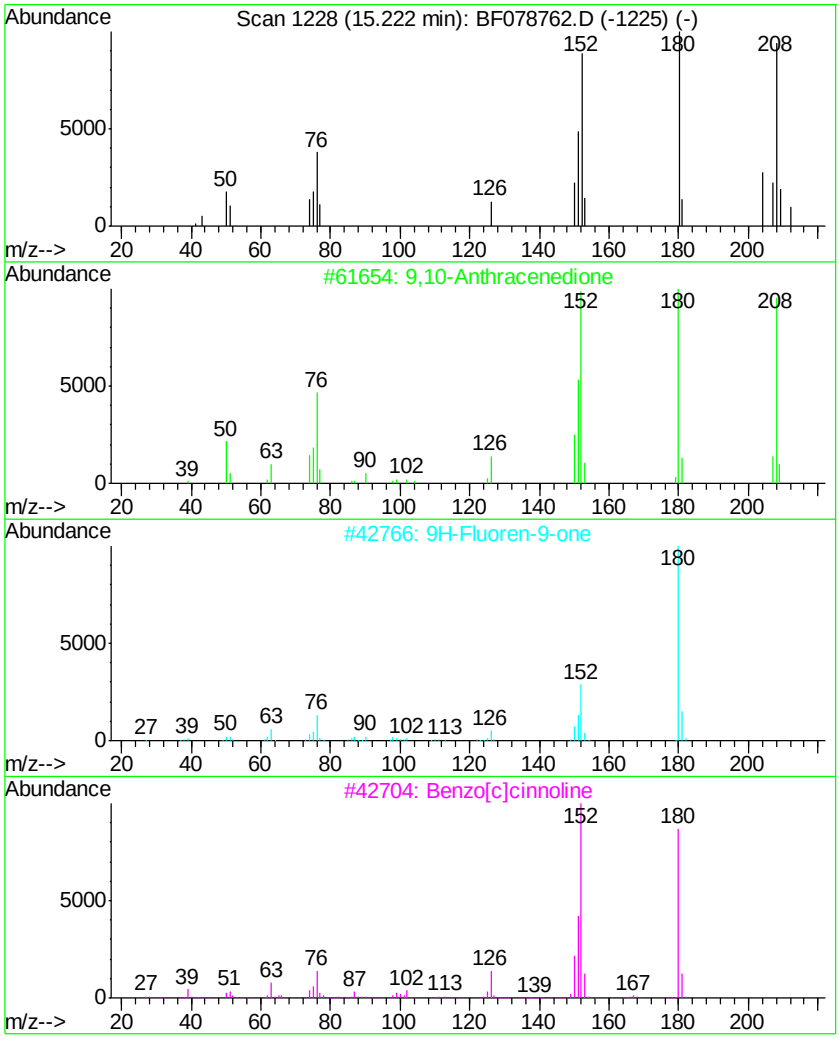
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

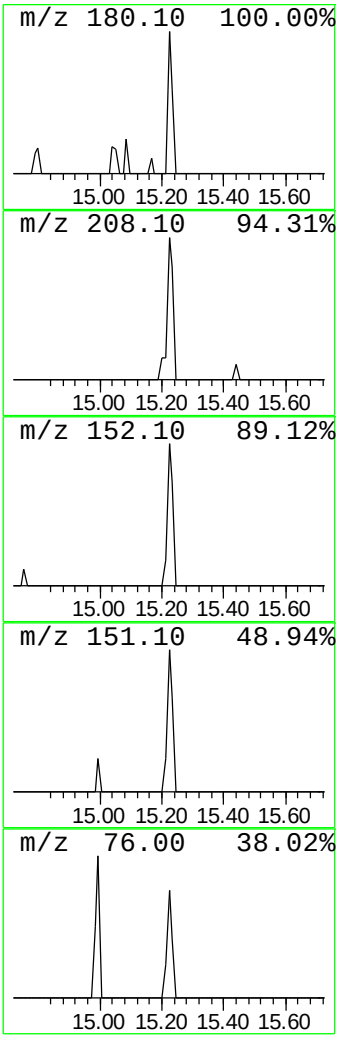
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	2.73 ng	38557	Phenanthrene-d10	13.83

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	60
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	53
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	45
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

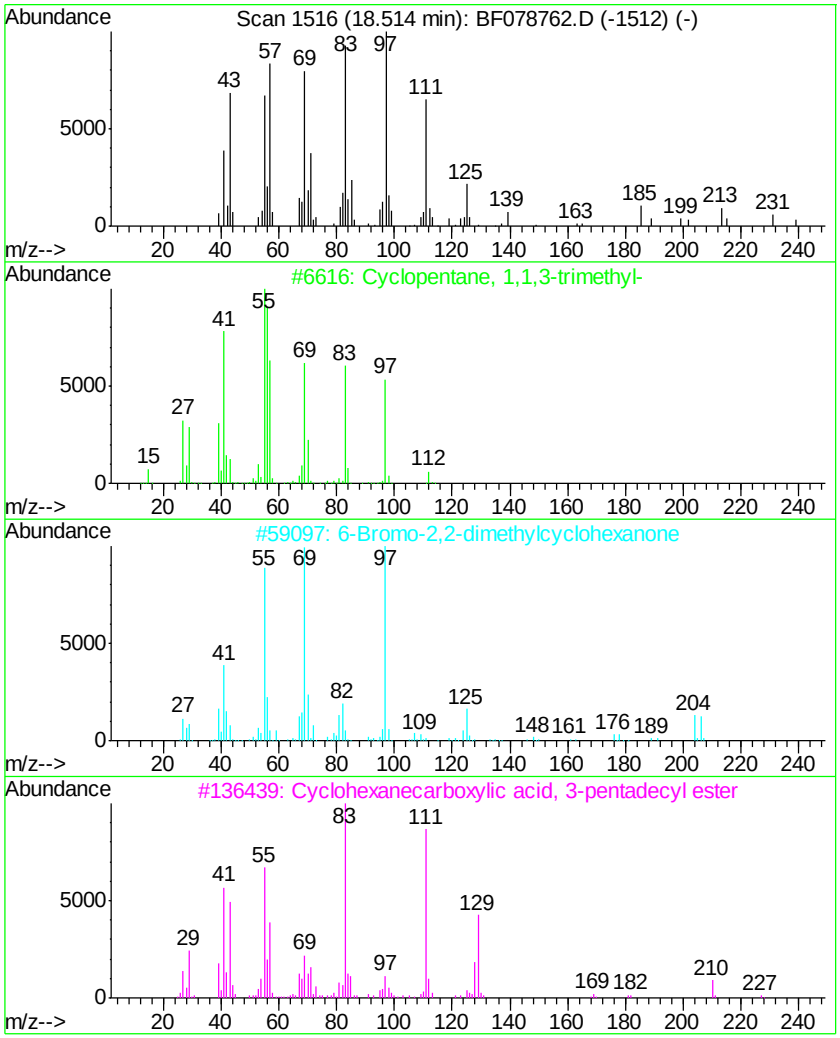
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

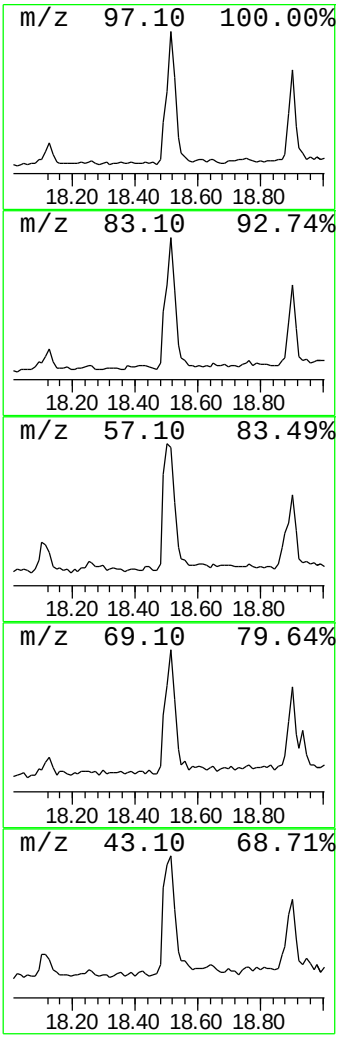
****

Peak Number 8 Cyclopentane, 1,1,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	6.01 ng	230996	Chrysene-d12	17.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	58
2	6-Bromo-2,2-dimethylcyclohexanone	204	C8H13BrO	021690-26-6	35
3	Cyclohexanecarboxylic acid, 3-pe...	338	C22H42O2	1000280-60-0	30
4	Cyclohexanecarboxylic acid, 4-te...	324	C21H40O2	1000280-59-8	27
5	Cyclohexanecarboxylic acid, 3-tr...	310	C20H38O2	1000280-59-4	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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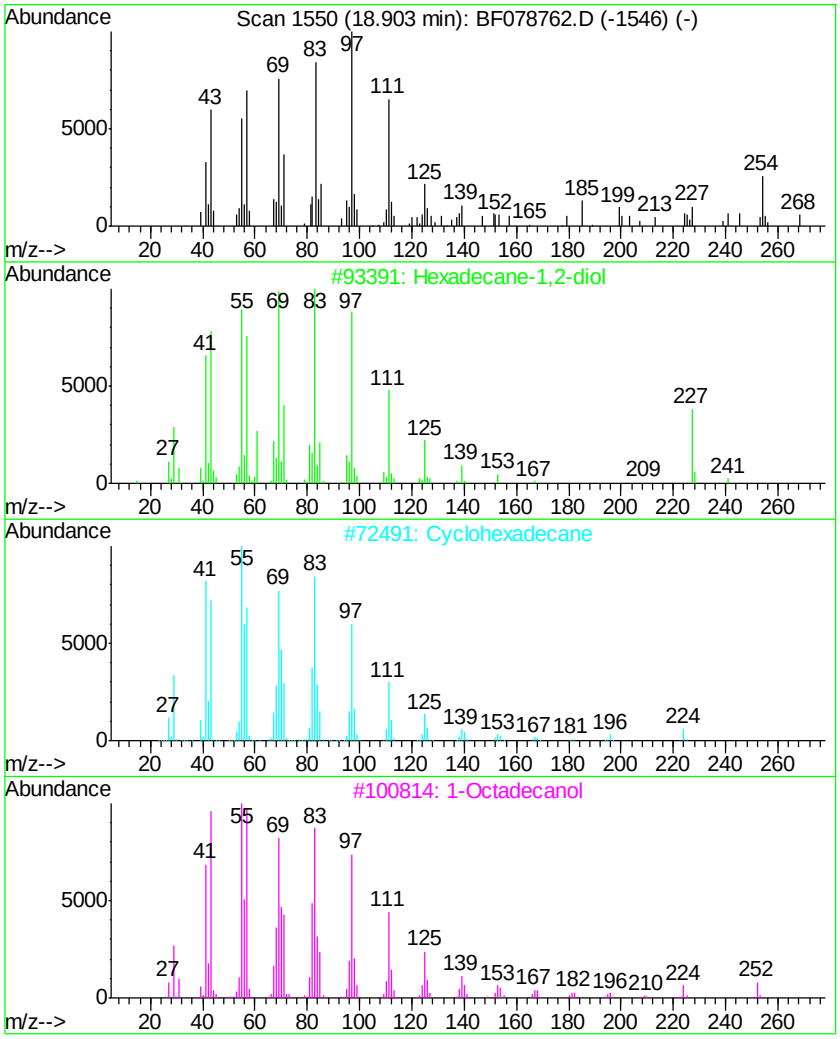
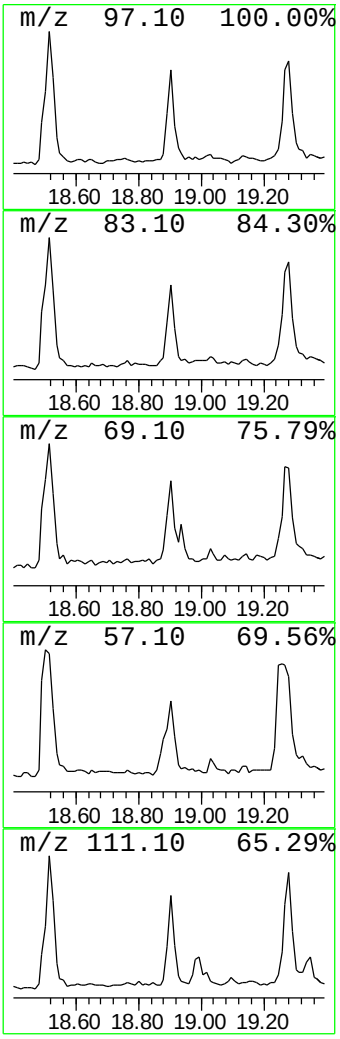
Peak Number 9 Hexadecane-1,2-diol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	6.39 ng	128566	Perylene-d12	19.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane-1,2-diol	258	C16H34O2	006920-24-7	78
2	Cyclohexadecane	224	C16H32	000295-65-8	58
3	1-Octadecanol	270	C18H38O	000112-92-5	58
4	1-Hexadecene	224	C16H32	000629-73-2	38
5	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	1000283-20-9	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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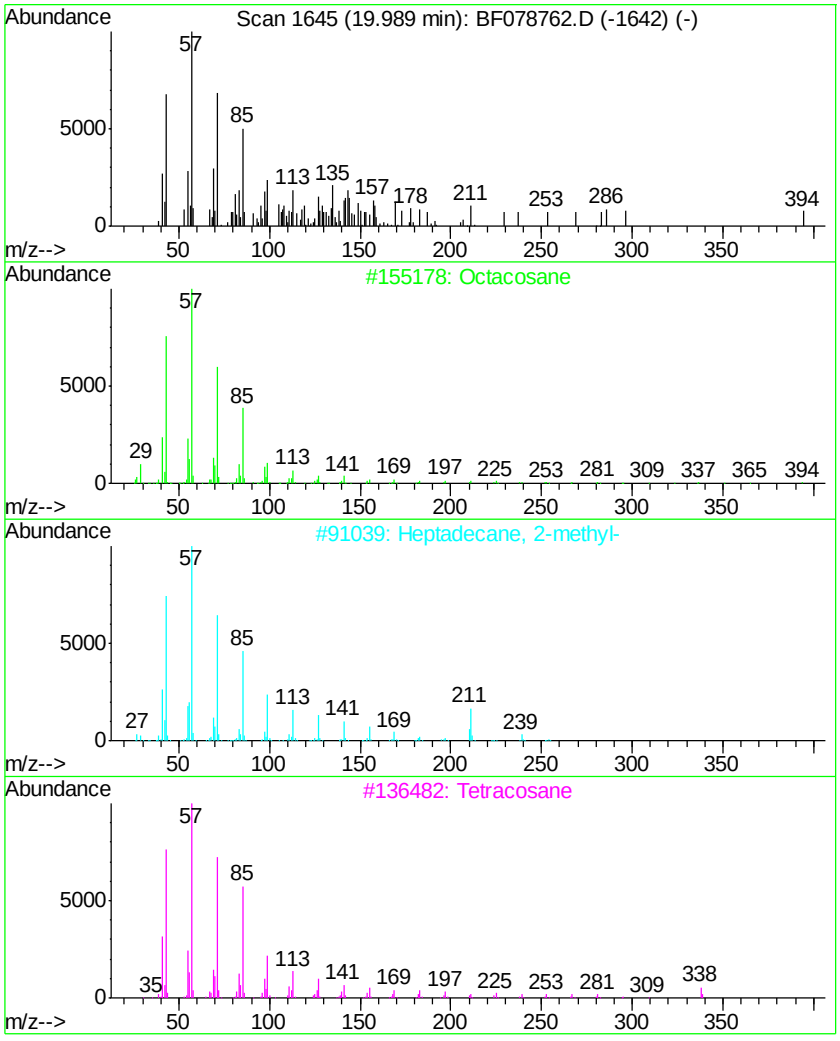
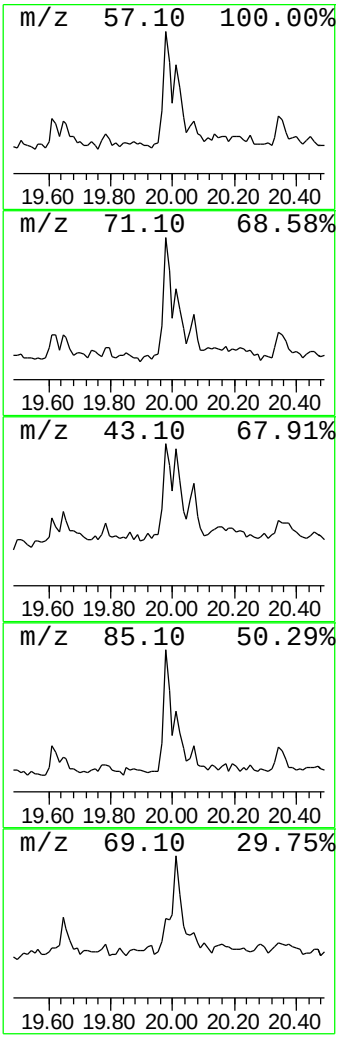
Peak Number 12 Octacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	4.30 ng	86509	Perylene-d12	19.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	50
3	Tetracosane	338	C24H50	000646-31-1	50
4	Hexacosane	366	C26H54	000630-01-3	50
5	Triacontane	422	C30H62	000638-68-6	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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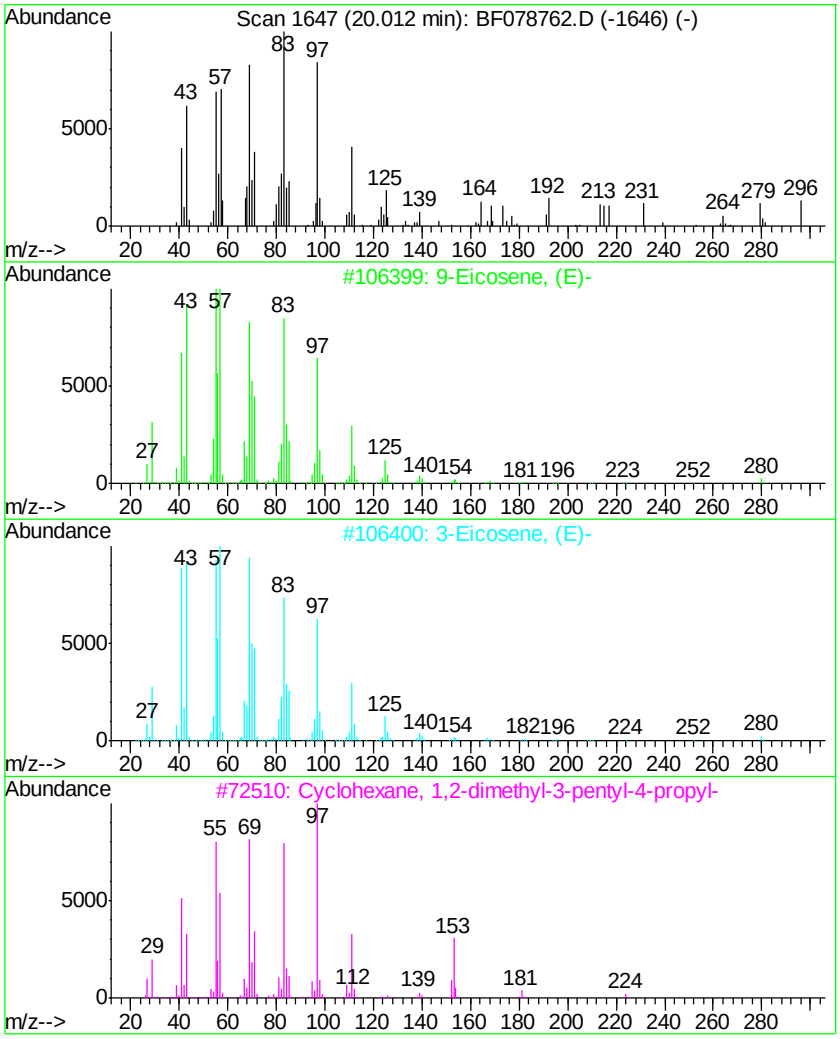
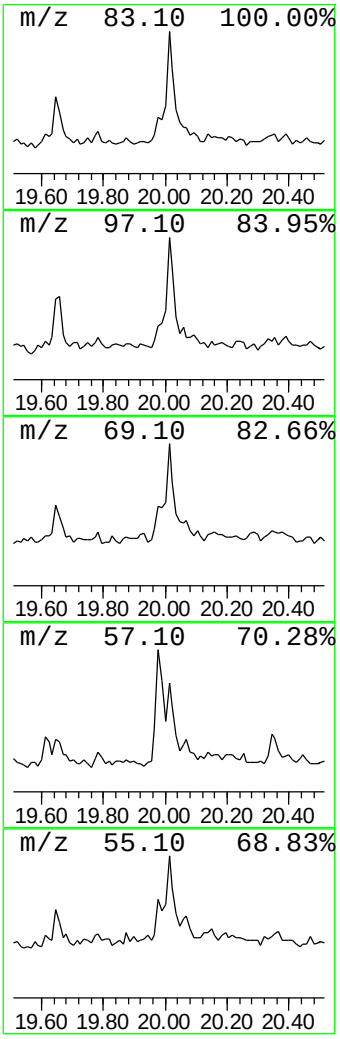
Peak Number 13 9-Eicosene, (E)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	4.03 ng	81095	Perylene-d12	19.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Eicosene, (E)-	280	C20H40	074685-29-3	89
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	76
3	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	59
4	Cyclohexane, 1-(1,5-dimethylhexy...	280	C20H40	056009-20-2	58
5	5-Eicosene, (E)-	280	C20H40	074685-30-6	46





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Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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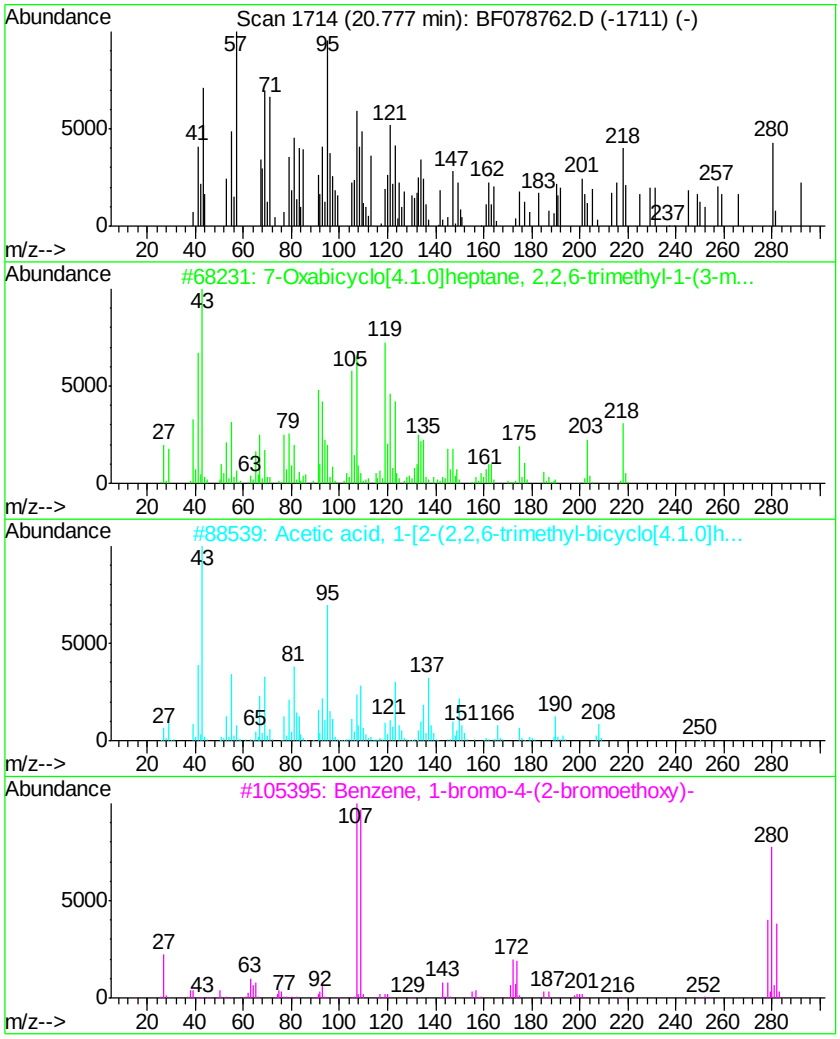
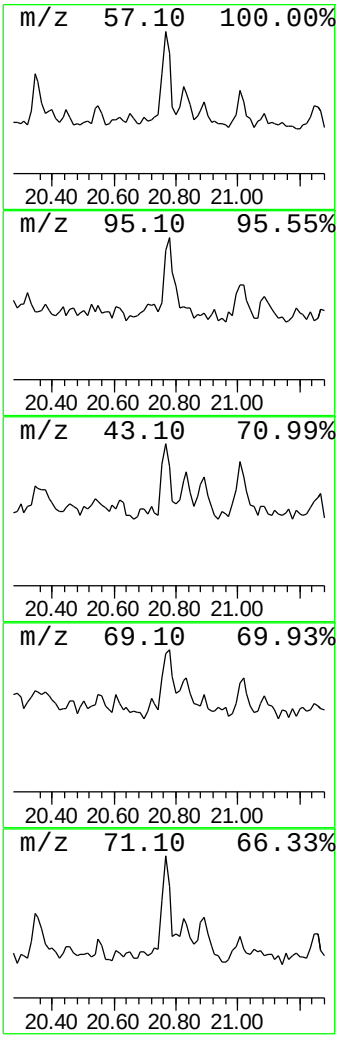
Peak Number 16 unknown20.78 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.78	7.64 ng	153758	Perylene-d12	19.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[4.1.0]heptane, 2,2,...	218	C15H22O	070038-20-9	35
2	Acetic acid, 1-[2-(2,2,6-trimeth...	250	C16H26O2	077143-23-8	25
3	Benzene, 1-bromo-4-(2-bromoethoxy)-	278	C8H8Br2O	018800-30-1	18
4	Acetic acid, 1-hydroxy-3,3-dimet...	266	C16H26O3	1000188-31-1	15
5	8-Methyl-9,11-tridecadienol prop...	266	C17H30O2	1000130-96-9	14





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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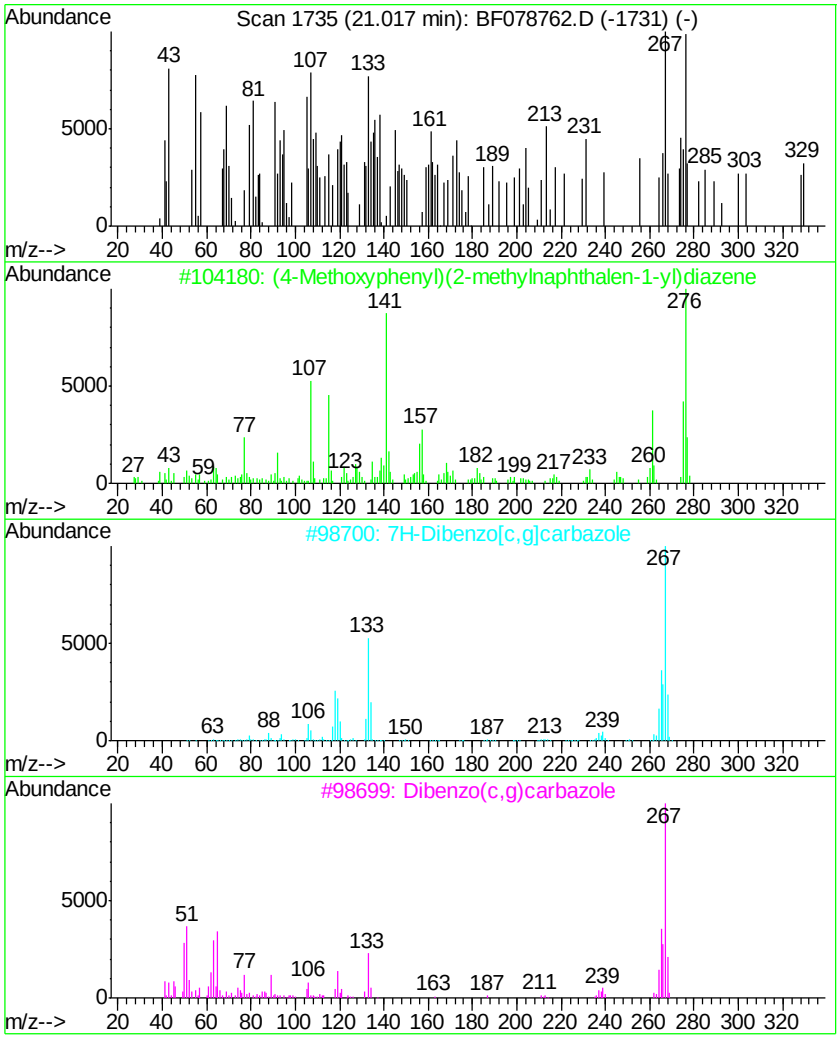
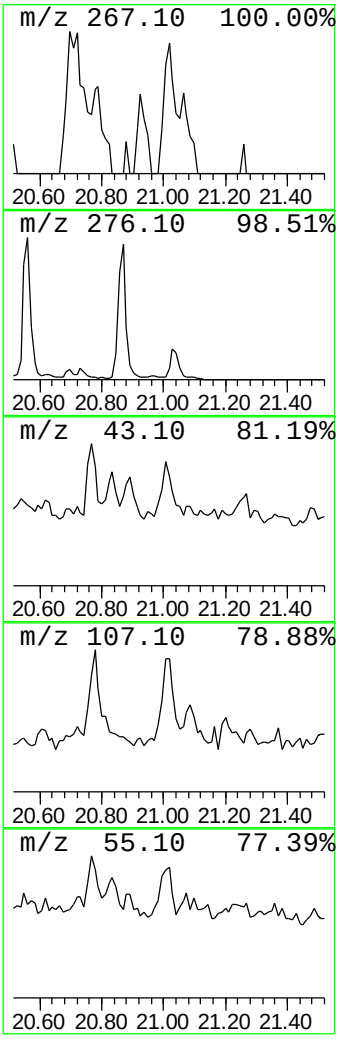
Peak Number 17 unknown21.02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	6.50 ng	130840	Perylene-d12	19.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Methoxyphenyl)(2-methylnaphth...	276	C18H16N2O	083733-40-8	27
2	7H-Dibenzo[c,g]carbazole	267	C20H13N	000194-59-2	22
3	Dibenzo(c,g)carbazole	267	C20H13N	028641-62-5	14
4	Androst-5-ene-3,17-diol, dipropa...	402	C25H38O4	002297-30-5	14
5	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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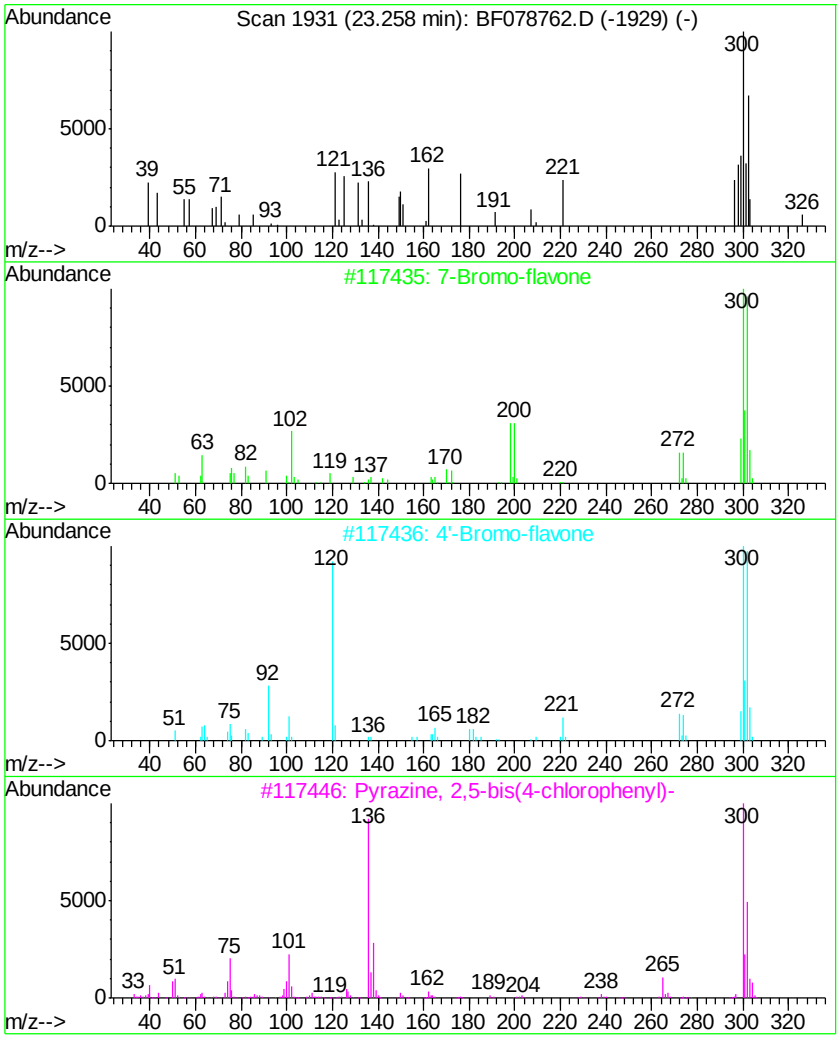
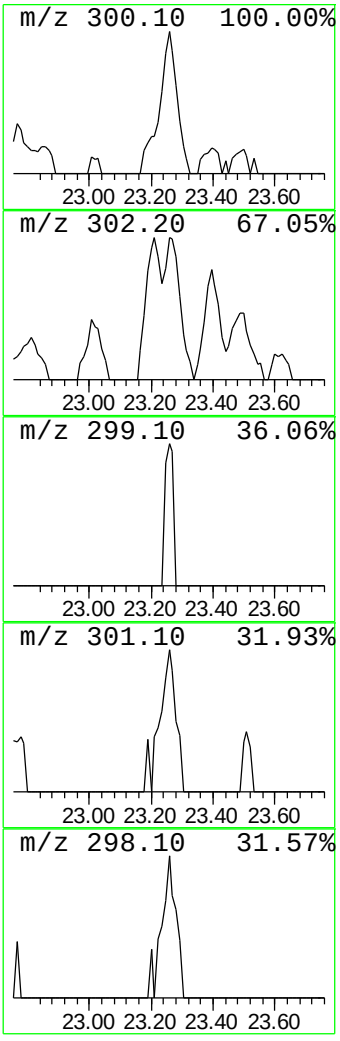
Peak Number 19 unknown23.26 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.26	2.15 ng	43321	Perylene-d12	19.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Bromo-flavone	300	C15H9BrO2	001148-47-6	47
2	4'-Bromo-flavone	300	C15H9BrO2	020525-20-6	38
3	Pyrazine, 2,5-bis(4-chlorophenyl)-	300	C16H10Cl2N2	074376-33-3	37
4	Benzophenone (2-troponyl)hydrazone	300	C20H16N2O	1000241-54-0	35
5	5-(p-(Dimethylamino)benzylidenea...	300	C21H20N2	006256-22-0	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042315\
Data File : BF078762.D
Acq On : 23 Apr 2015 22:11
Operator : TP/IZ
Sample : G1989-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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...	3.27	11.7	ng	90867	1	5.76	155522	20.0
unknown5.39	5.39	77.7	ng	604215	1	5.76	155522	20.0
4H-Cyclopenta[def...	14.87	2.4	ng	33765	4	13.83	282034	20.0
9,10-Anthracenedione	15.22	2.7	ng	38557	4	13.83	282034	20.0
Cyclopentane, 1,1...	18.51	6.0	ng	230996	5	17.71	768389	20.0
Hexadecane-1,2-diol	18.90	6.4	ng	128566	6	19.41	402608	20.0
Octacosane	19.99	4.3	ng	86509	6	19.41	402608	20.0
9-Eicosene, (E)-	20.01	4.0	ng	81095	6	19.41	402608	20.0
unknown20.78	20.78	7.6	ng	153758	6	19.41	402608	20.0
unknown21.02	21.02	6.5	ng	130840	6	19.41	402608	20.0
unknown23.26	23.26	2.1	ng	43321	6	19.41	402608	20.0