LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051916\
Data File : BM005514.D
Acq On : 20 May 2016 00:56
Operator : UM/SJ
Sample : H2890-14
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_M\METHODS\SOM02.2-EPA-BM051816.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.534	666	671	680	rVB2	36434	63517	4.31%	1.258%
2	6.992	742	749	762	rBV5	28254	69362	4.70%	1.374%
3	7.369	809	813	819	rVB3	20477	33001	2.24%	0.654%
4	7.840	887	893	899	rBV2	46154	75217	5.10%	1.490%
5	8.534	1004	1011	1015	rBV3	19430	29710	2.02%	0.589%
6	8.986	1081	1088	1101	rBV2	18020	36697	2.49%	0.727%
7	10.245	1297	1302	1307	rVB	20390	33449	2.27%	0.663%
8	10.628	1358	1367	1373	rBV	55304	93283	6.33%	1.848%
9	13.874	1913	1919	1924	rBV	35745	48927	3.32%	0.969%
10	14.157	1961	1967	1973	rBV	42478	61265	4.16%	1.214%
11	14.469	2011	2020	2027	rBV2	76510	117986	8.00%	2.337%
12	15.457	2182	2188	2193	rVB	61215	89113	6.04%	1.765%
13	17.204	2479	2485	2489	rBV2	133621	190382	12.91%	3.772%
14	17.245	2489	2492	2497	rVB2	21931	30528	2.07%	0.605%
15	17.304	2497	2502	2507	rBV	84903	122587	8.31%	2.429%
16	17.386	2512	2516	2521	rBV2	23218	32107	2.18%	0.636%
17	18.880	2767	2770	2776	rBV8	23428	45952	3.12%	0.910%
18	18.956	2778	2783	2787	rBV7	27602	56414	3.83%	1.118%
19	19.021	2792	2794	2798	rVB4	37961	49496	3.36%	0.981%
20	19.256	2830	2834	2838	rBV	68962	95828	6.50%	1.898%
21	19.592	2887	2891	2894	rBV	166791	244658	16.59%	4.847%
22	19.980	2953	2957	2963	rVB	581202	711109	48.23%	14.088%
23	20.362	3017	3022	3027	rBV	1191411	1474419	100.00%	29.209%
24	21.068	3139	3142	3153	rVB2	383715	649358	44.04%	12.864%
25	21.374	3190	3194	3198	rBV	434539	593401	40.25%	11.756%

Sum of corrected areas: 5047766

LSC Report - Integrated Chromatogram

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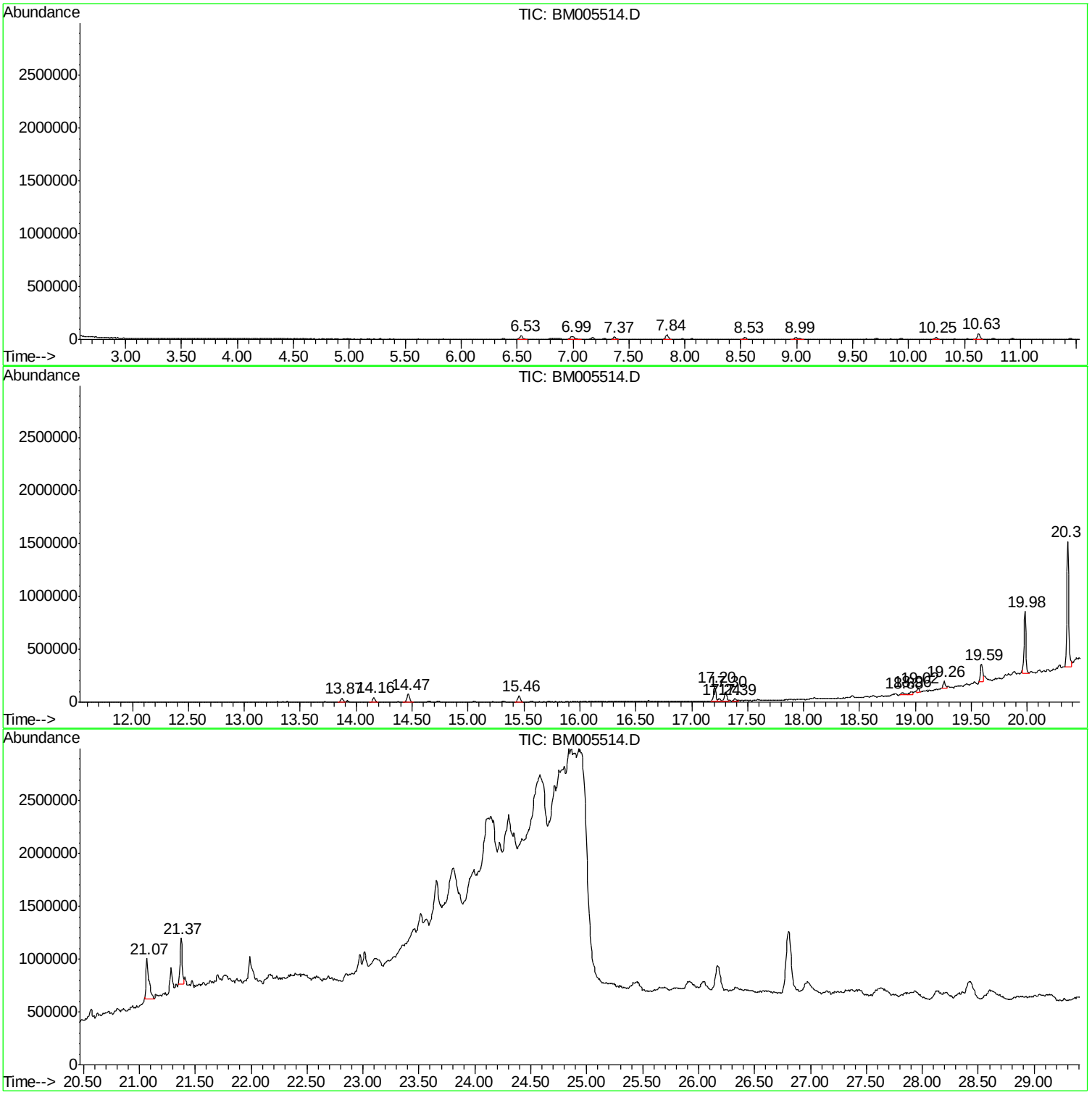
Instrument : BNA_M
ClientSampleId : D9WT8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : D9WT8

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Quant Title : SVOA CALIBRATION

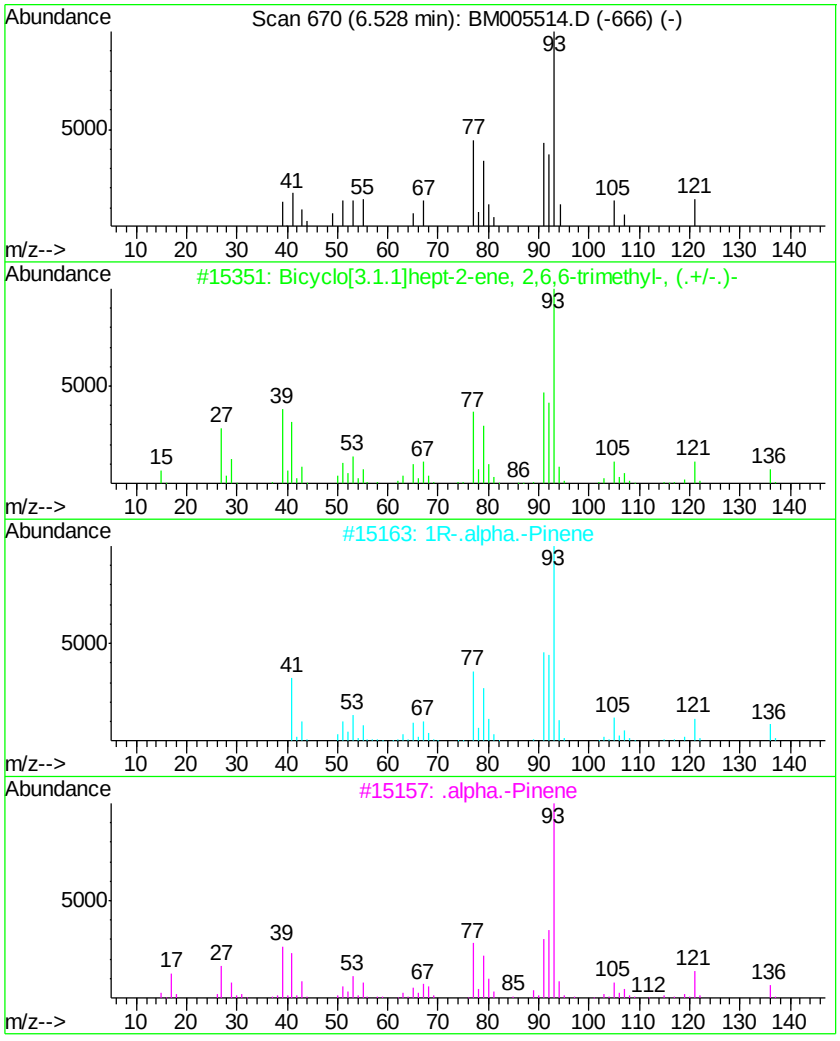
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

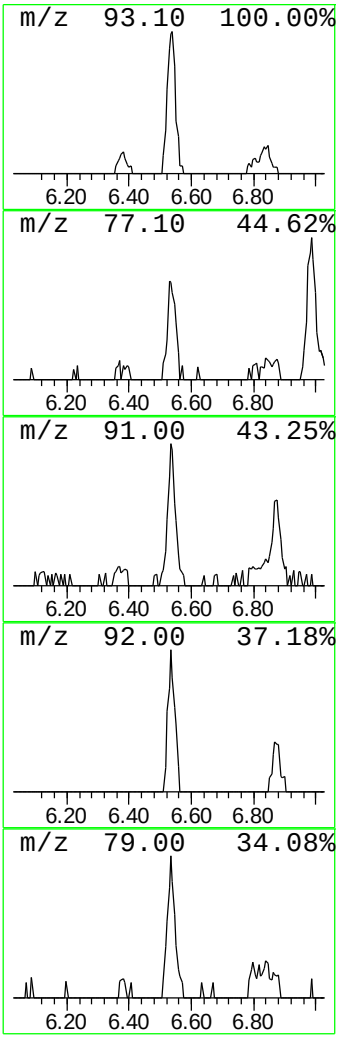
****

Peak Number 1 Bicyclo[3.1.1]hept-2-ene, 2... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	16.89 ng/ul	63517	1,4-Dichlorobenzene-d4	7.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136	C10H16	002437-95-8	95
2	1R-.alpha.-Pinene	136	C10H16	007785-70-8	94
3	.alpha.-Pinene	136	C10H16	000080-56-8	87
4	Cyclopentene, 3-isopropenyl-5,5-...	136	C10H16	1000162-25-4	81
5	1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	81





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Sample : H2890-14
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
Quant Title : SVOA CALIBRATION

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

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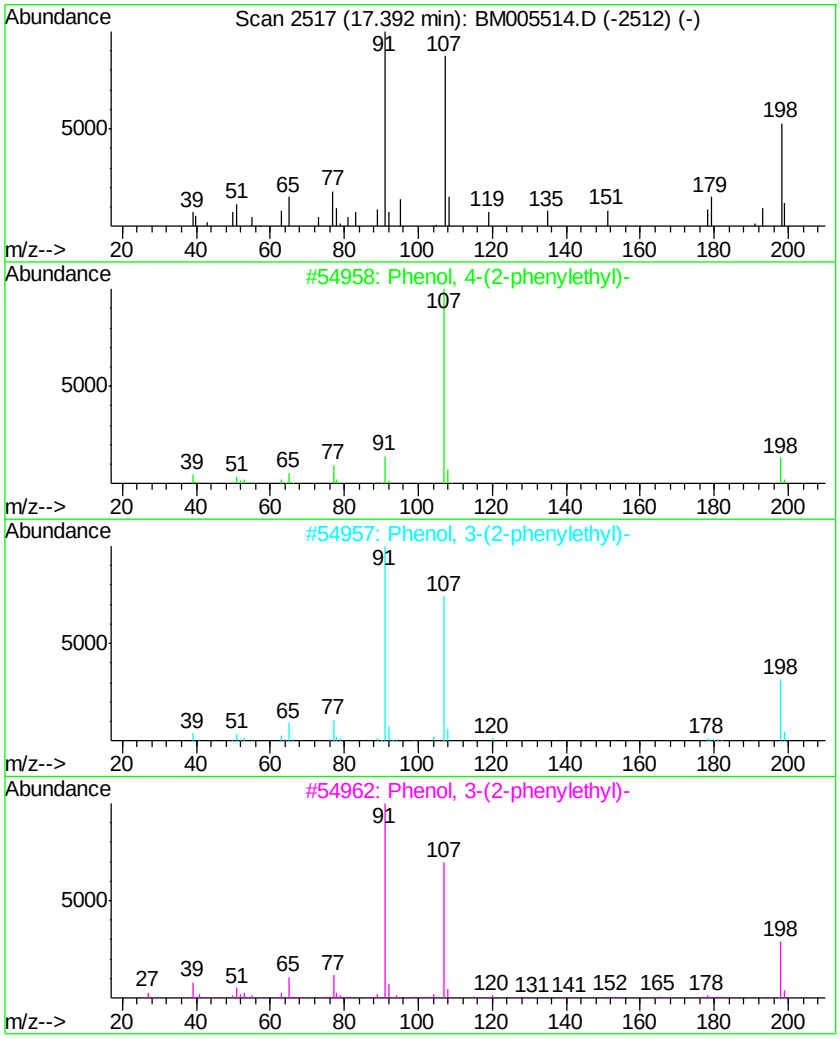
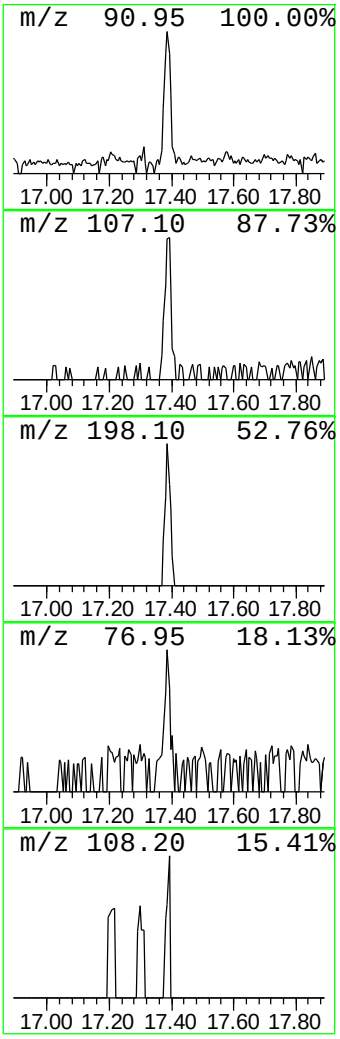
Peak Number 2 Phenol, 4-(2-phenylethyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.39	3.37 ng/ul	32107	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethyl)-	198	C14H14O	006335-83-7	62
2	Phenol, 3-(2-phenylethyl)-	198	C14H14O	033675-75-1	53
3	Phenol, 3-(2-phenylethyl)-	198	C14H14O	033675-75-1	53
4	1,4-Dimethyl-2-phenoxybenzene	198	C14H14O	062787-15-9	38
5	2-Phenyl-4-(cyanomethyl)-5-methy...	198	C11H10N4	013322-20-8	38





Library Search Compound Report

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Sample : H2890-14
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
Quant Title : SVOA CALIBRATION

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

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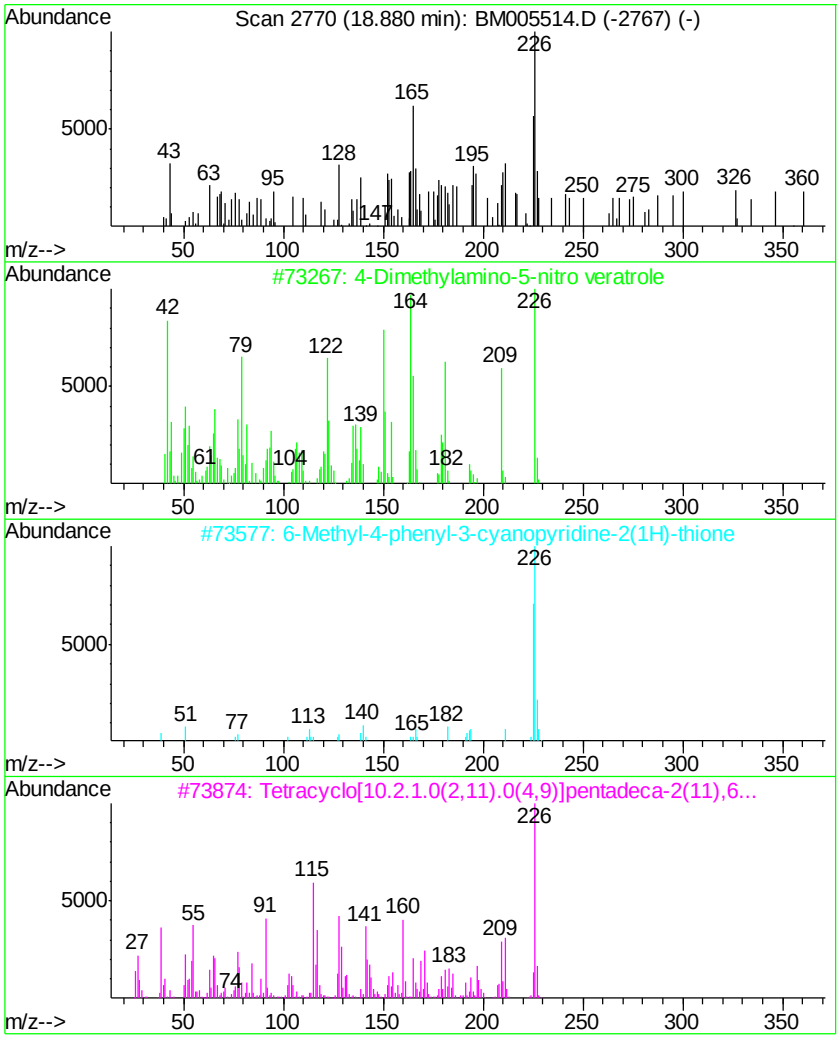
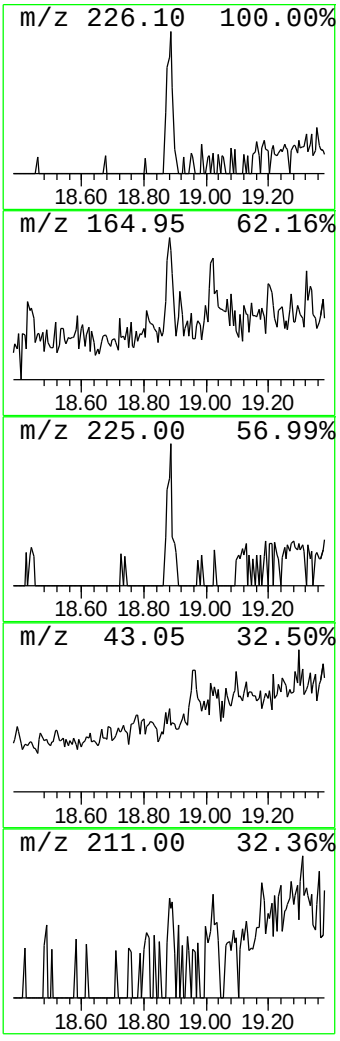
Peak Number 3 4-Dimethylamino-5-nitro ver... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	4.83 ng/ul	45952	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Dimethylamino-5-nitro veratrole	226	C10H14N2O4	171084-55-2	64
2	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	43
3	Tetracyclo[10.2.1.0(2,11).0(4,9)...	226	C15H14O2	1000210-84-6	38
4	9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	32
5	1,2,10-Trihydroxyanthracene	226	C14H10O3	000577-33-3	22





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Instrument : BNA_M
ClientSampleId : D9WT8

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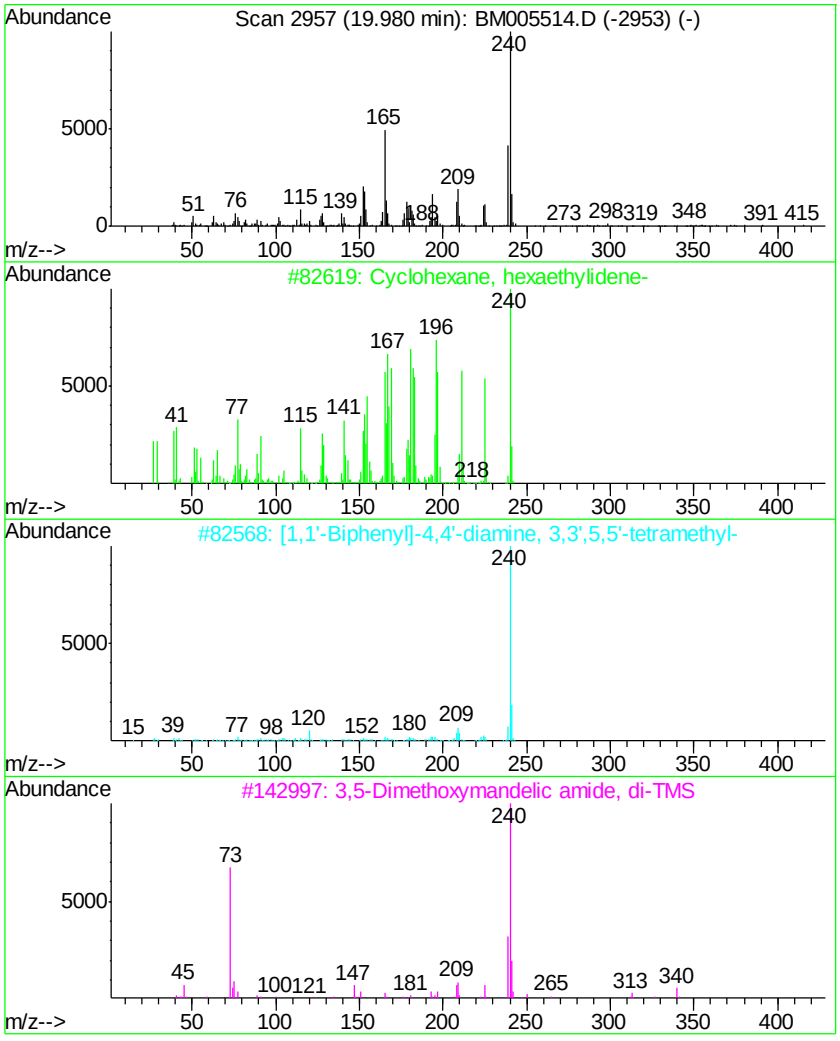
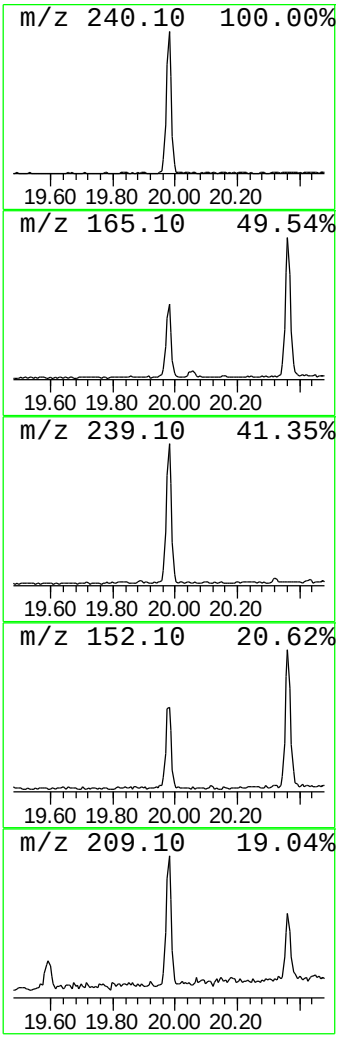
****

Peak Number 6 Cyclohexane, hexaethylidene- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	23.97 ng/ul	711109	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexaethylidene-	240	C18H24	001482-93-5	55
2	[1,1'-Biphenyl]-4,4'-diamine, 3,...	240	C16H20N2	054827-17-7	49
3	3,5-Dimethoxymandelic amide, di-TMS	355	C16H29NO4Si2	1000072-03-0	47
4	[1,1'-Biphenyl]-4,4'-diamine, 3,...	240	C16H20N2	054827-17-7	43
5	9H-Carbazole, 9-ethyl-3-nitro-	240	C14H12N2O2	000086-20-4	41





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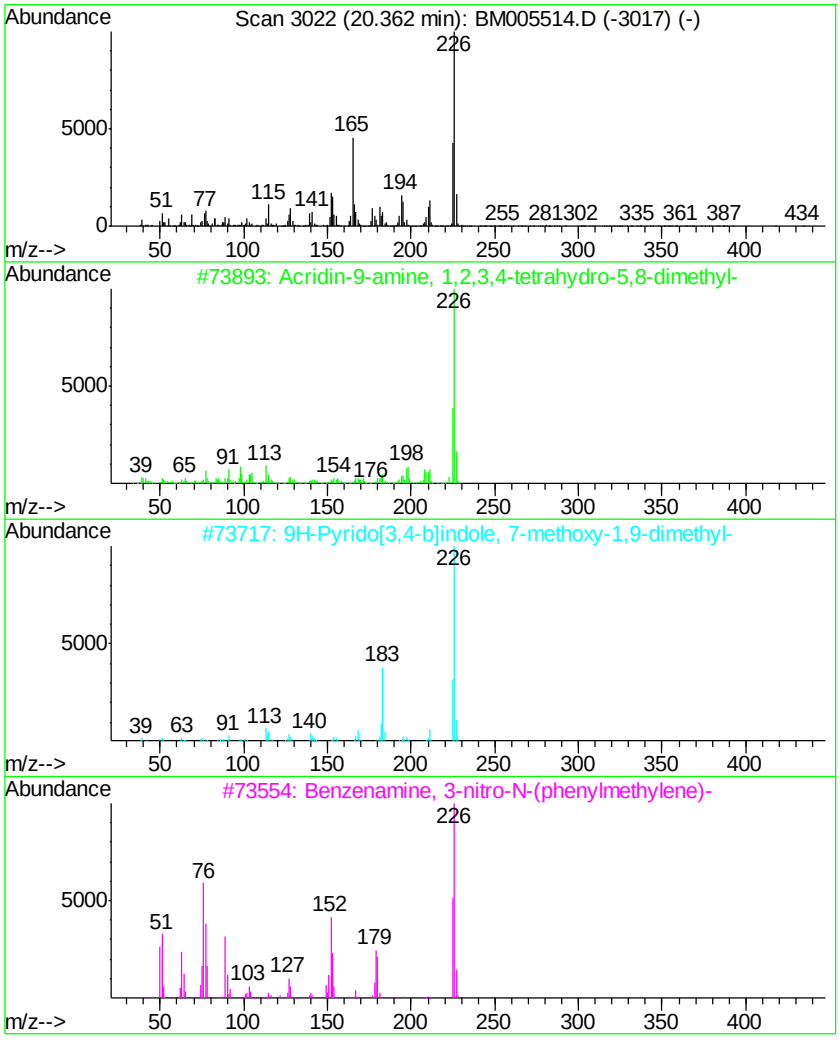
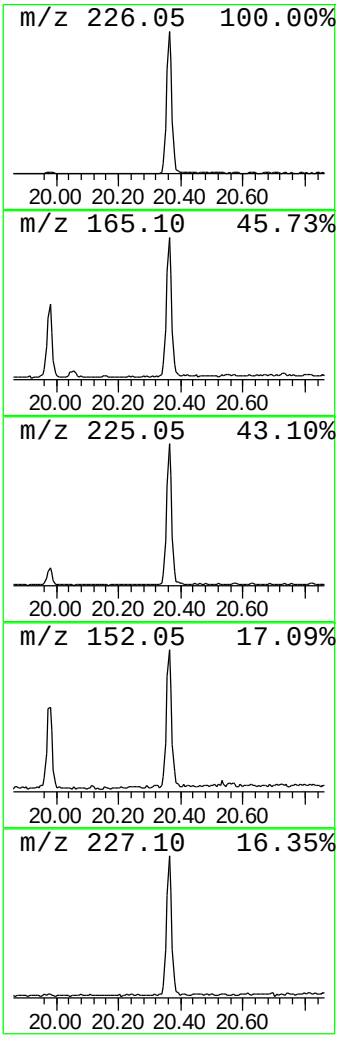
****

Peak Number 7 Acridin-9-amine, 1,2,3,4-te... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	49.69 ng/ul	1474420	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	297758-19-1	58
2	9H-Pyrido[3,4-b]indole, 7-methox...	226	C14H14N2O	143502-37-8	50
3	Benzenamine, 3-nitro-N-(phenylme...	226	C13H10N2O2	005341-44-6	49
4	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	46
5	1-Ethyl-4-methoxy-9H-pyrido[3,4-...	226	C14H14N2O	026585-14-8	43





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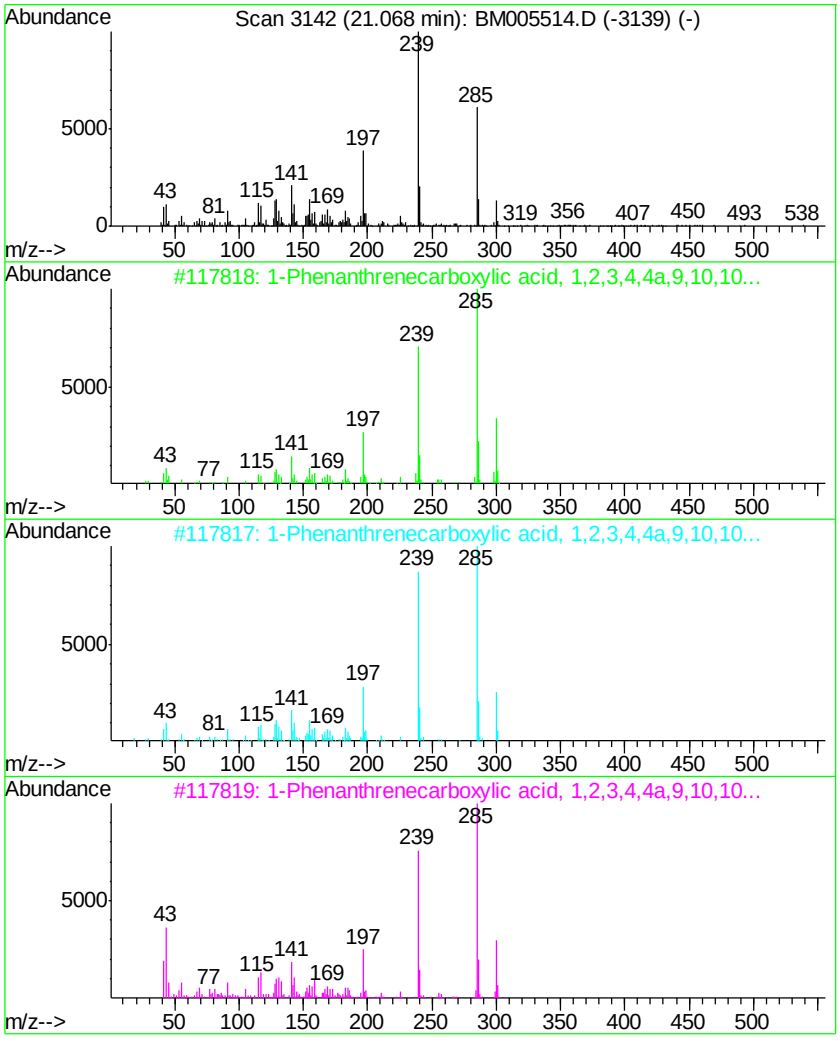
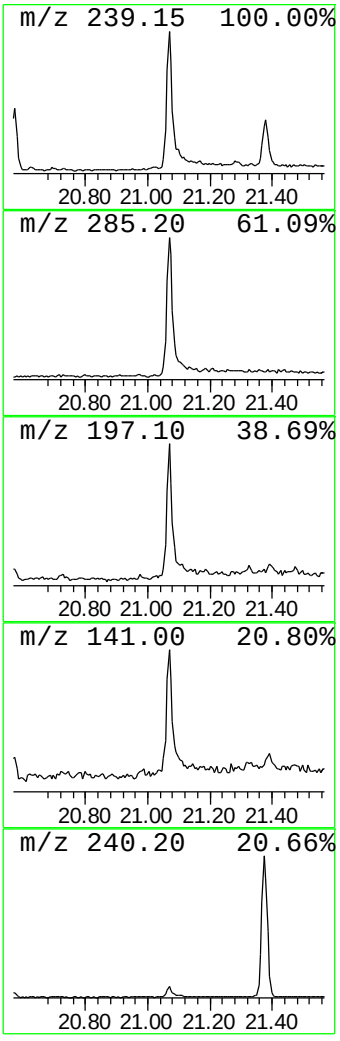
****

Peak Number 8 1-Phenanthrenecarboxylic ac... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	21.89 ng/ul	649358	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	97
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	96
3	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	94
4	Kaura-9(11),16-dien-18-oic acid,...	300	C20H28O2	022338-67-6	72
5	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	001740-19-8	53





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Bicyclo[3.1.1]hep...	6.53	16.9	ng/ul	63517	1	7.84	75217	20.0
Phenol, 4-(2-phen...	17.39	3.4	ng/ul	32107	4	17.20	190382	20.0
4-Dimethylamino-5...	18.88	4.8	ng/ul	45952	4	17.20	190382	20.0
Cyclohexane, hexa...	19.98	24.0	ng/ul	711109	5	21.37	593401	20.0
Acridin-9-amine, ...	20.36	49.7	ng/ul	1474420	5	21.37	593401	20.0
1-Phenanthrenecar...	21.07	21.9	ng/ul	649358	5	21.37	593401	20.0