LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
Data File : VF059790.D
Acq On : 2 Aug 2018 9:47
Operator : VA/AP
Sample : J4231-07
Misc : 5.10g/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-4

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:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.297	376	382	395	rVB2	25653	81560	5.07%	2.385%
2	5.036	450	457	468	rBV2	94516	321961	20.00%	9.414%
3	5.766	525	531	538	rBV	76923	206224	12.81%	6.030%
4	7.708	722	728	739	rBV	88651	224560	13.95%	6.566%
5	9.916	946	952	962	rBV	64848	150822	9.37%	4.410%
6	11.512	1108	1114	1118	rBV	49057	96223	5.98%	2.813%
7	12.626	1214	1227	1232	rBV2	67844	148141	9.20%	4.332%
8	13.277	1280	1293	1304	rBV2	353886	1610062	100.00%	47.077%
9	13.523	1315	1318	1324	rVB5	8889	27953	1.74%	0.817%
10	14.213	1384	1388	1395	rVB	22546	62848	3.90%	1.838%
11	14.401	1404	1407	1413	rVB6	6253	18215	1.13%	0.533%
12	14.519	1415	1419	1424	rBV2	12719	26992	1.68%	0.789%
13	15.169	1479	1485	1487	rBV6	9637	27935	1.74%	0.817%
14	15.258	1489	1494	1499	rVV	111687	295579	18.36%	8.642%
15	15.347	1499	1503	1507	rVV6	13414	33283	2.07%	0.973%
16	15.475	1513	1516	1518	rBV2	10626	20643	1.28%	0.604%
17	15.514	1518	1520	1523	rVB4	8655	17523	1.09%	0.512%
18	15.850	1550	1554	1560	rVB4	9421	22871	1.42%	0.669%
19	16.066	1572	1576	1579	rBV4	12620	26683	1.66%	0.780%

Sum of corrected areas: 3420078

LSC Report - Integrated Chromatogram

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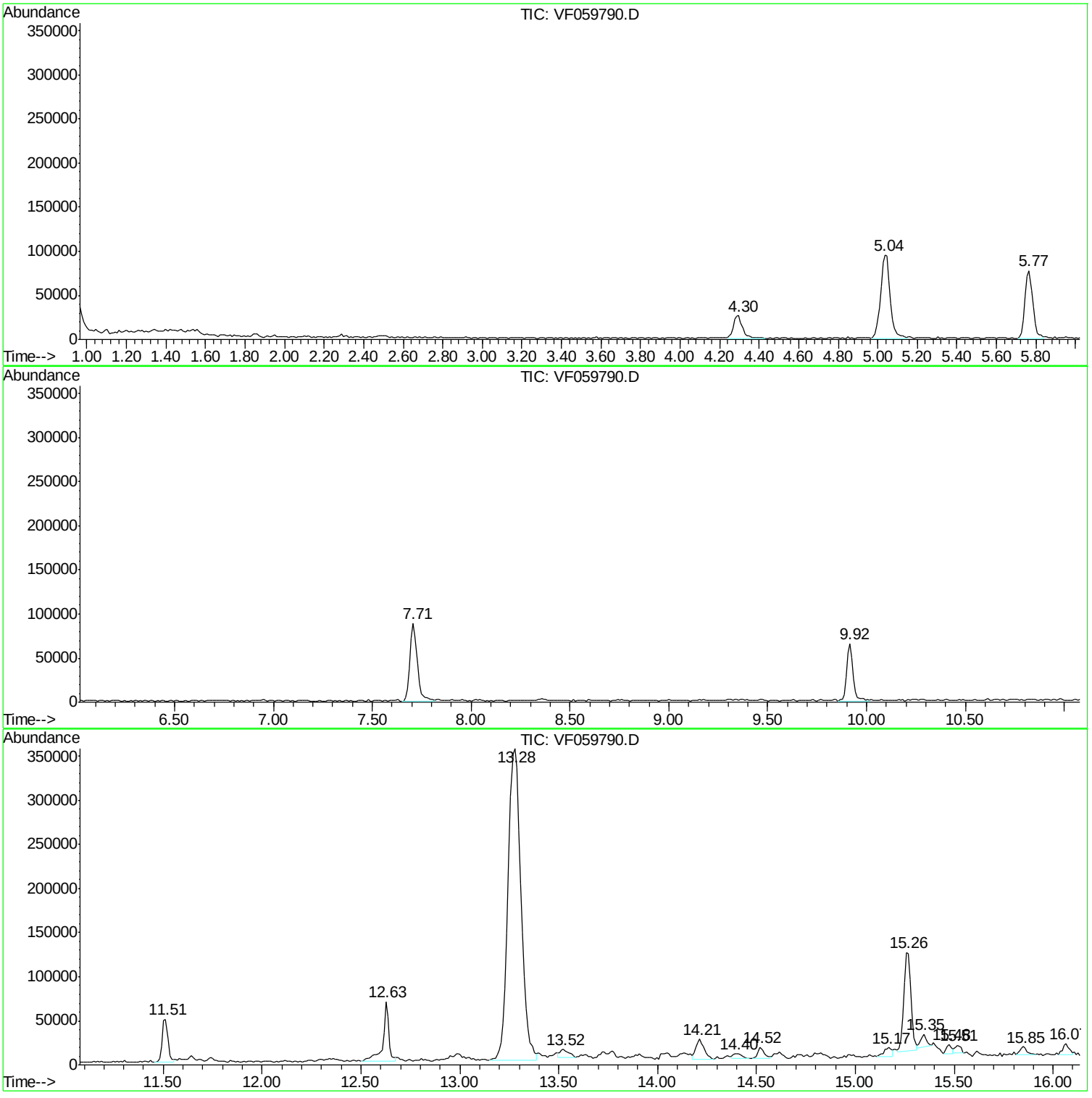
Operator : VA/AP
Sample : J4231-07
Misc : 5.10g/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
Data File : VF059790.D
Acq On : 2 Aug 2018 9:47
Operator : VA/AP
Sample : J4231-07
Misc : 5.10g/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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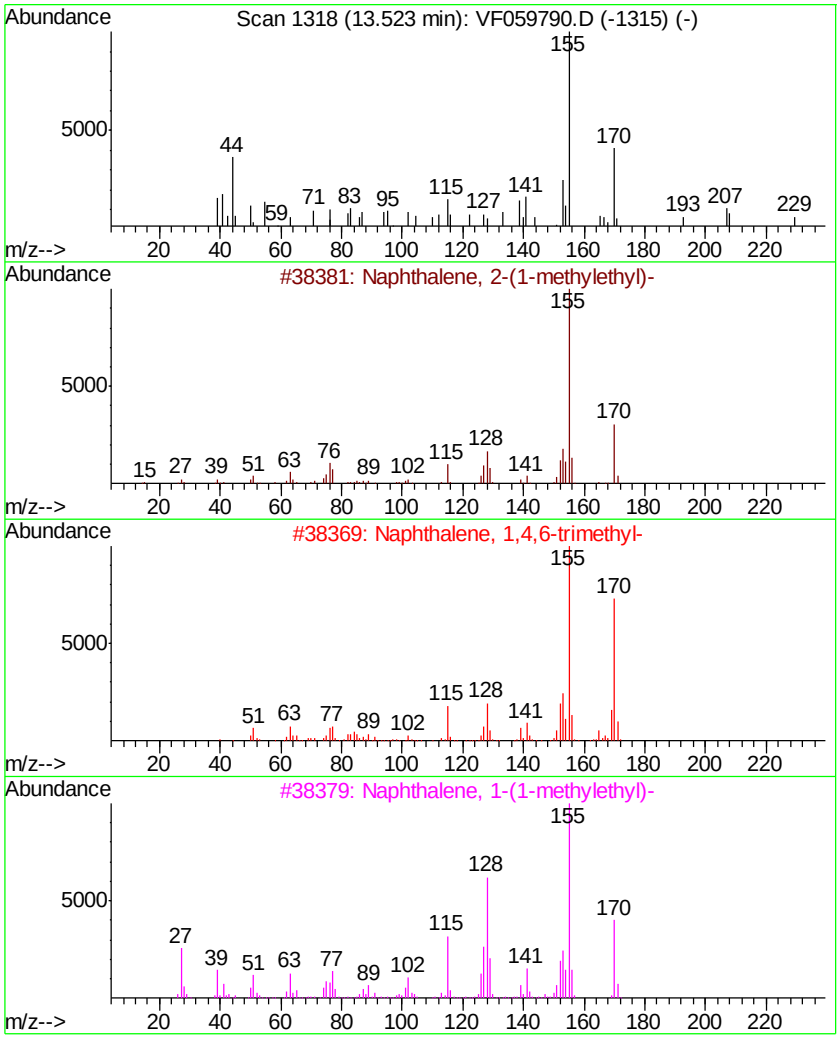
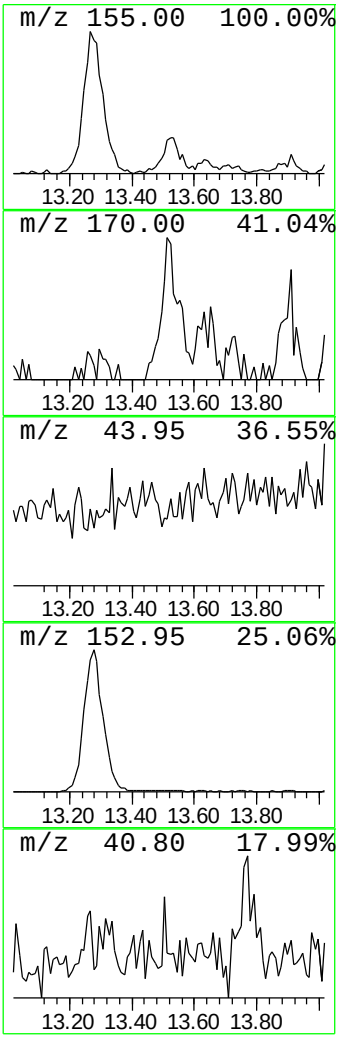
Peak Number 2 Naphthalene, 2-(1-methyleth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	9.43 ug/l	27953	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	72
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	72
3	Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	64
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	53
5	Phenol, 4-chloro-2-(1-methylethyl)-	170	C9H11ClO	054461-05-1	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
Data File : VF059790.D
Acq On : 2 Aug 2018 9:47
Operator : VA/AP
Sample : J4231-07
Misc : 5.10g/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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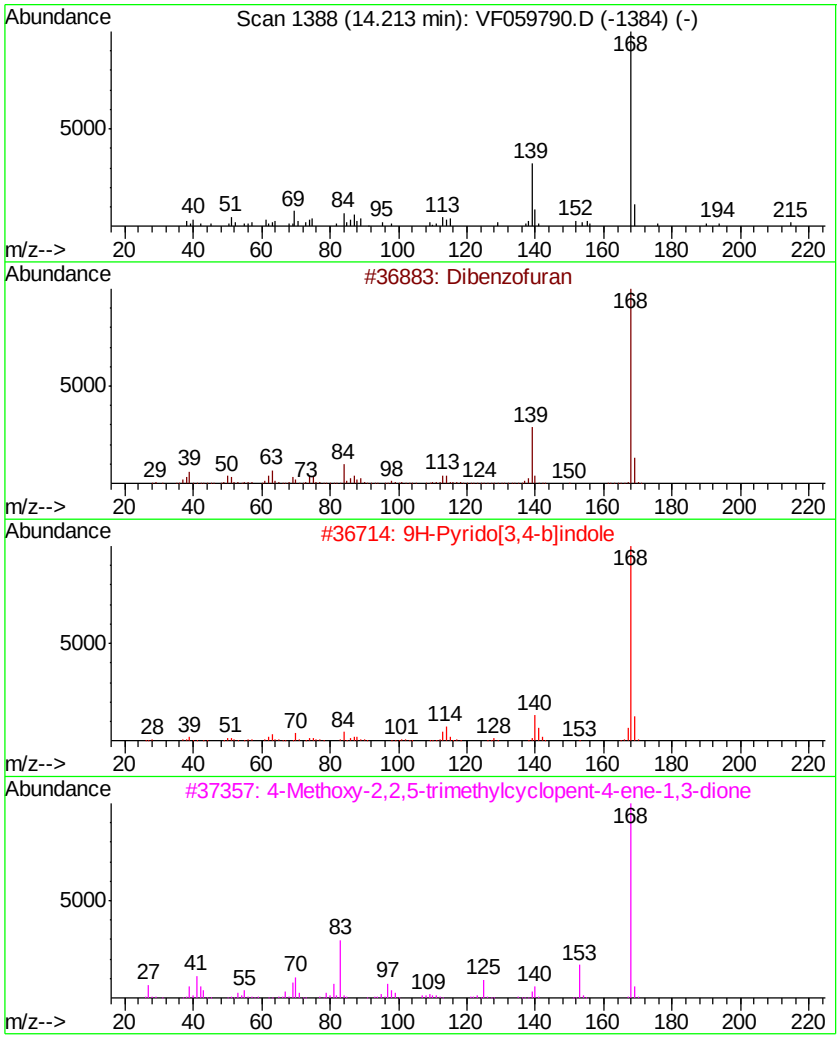
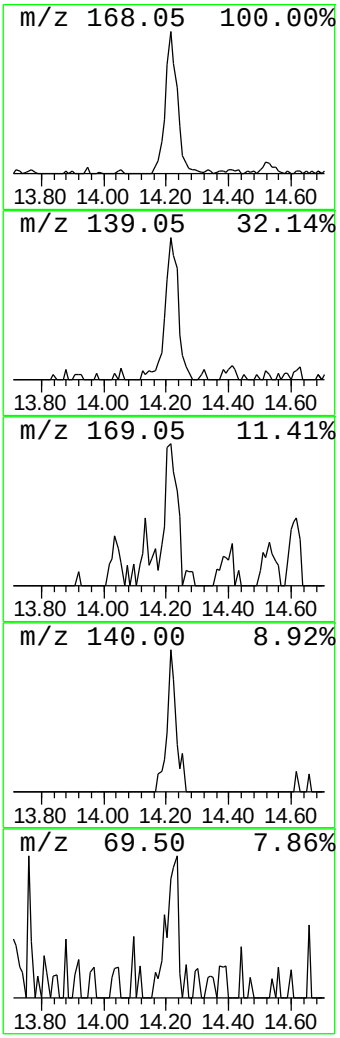
Peak Number 3 Dibenzofuran Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	21.21 ug/l	62848	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	90
2	9H-Pyrido[3,4-b]indole	168	C11H8N2	000244-63-3	59
3	4-Methoxy-2,2,5-trimethylcyclope...	168	C9H12O3	1000185-67-3	53
4	Pyrimidine, 2-(dimethylamino)-5-...	168	C6H8N4O2	014233-44-4	50
5	2-Amino-6-fluorobenzothiazole	168	C7H5FN2S	000348-40-3	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
Data File : VF059790.D
Acq On : 2 Aug 2018 9:47
Operator : VA/AP
Sample : J4231-07
Misc : 5.10g/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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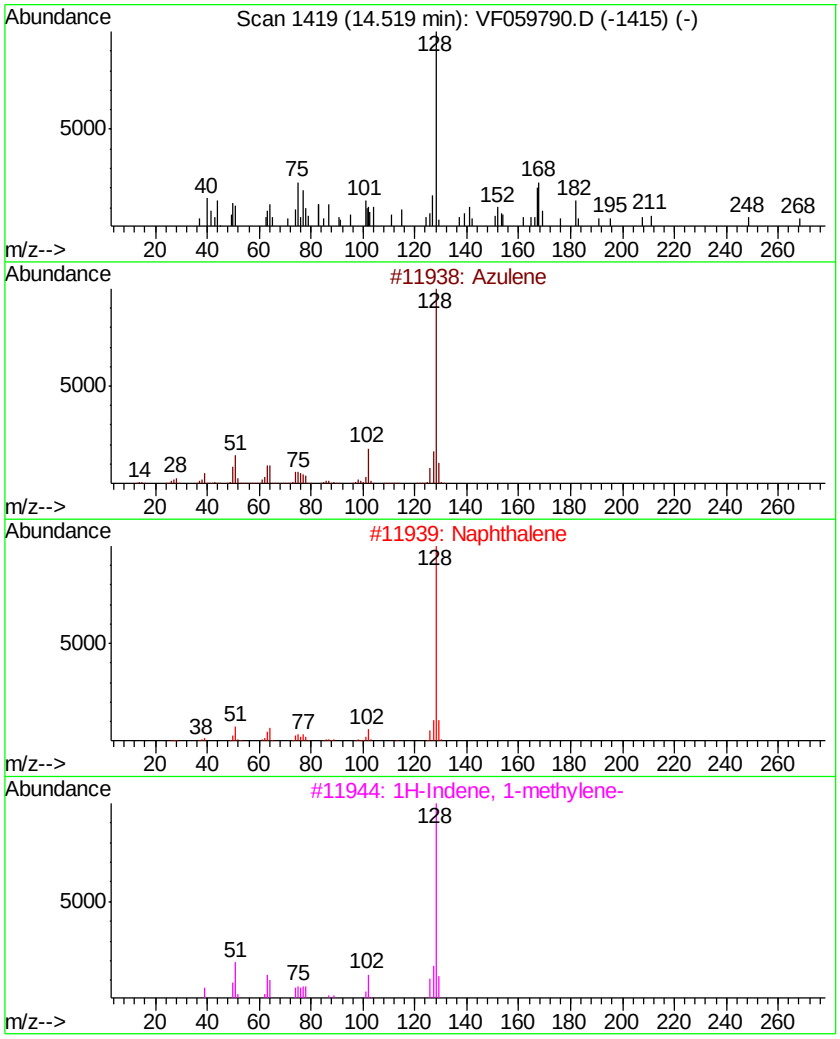
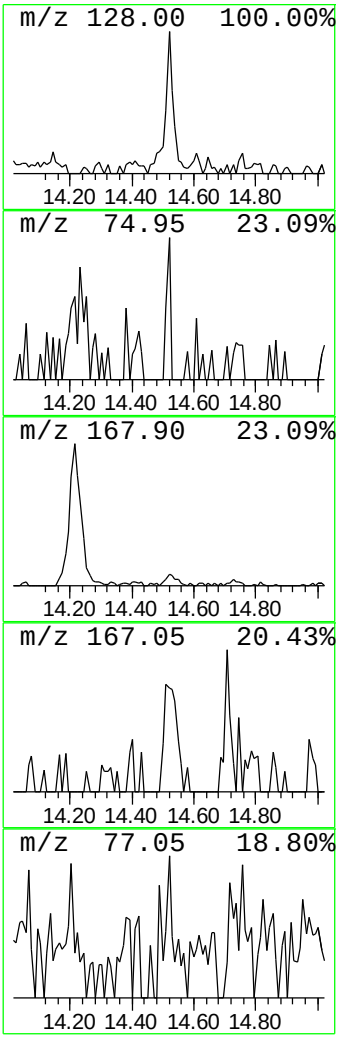
Peak Number 4 unknown14.52 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	9.11 ug/l	26992	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	49
2	Naphthalene	128	C10H8	000091-20-3	43
3	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	37
4	1,3-Dicyanobenzene	128	C8H4N2	000626-17-5	35
5	1,2-Benzenedicarbonitrile	128	C8H4N2	000091-15-6	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
Data File : VF059790.D
Acq On : 2 Aug 2018 9:47
Operator : VA/AP
Sample : J4231-07
Misc : 5.10g/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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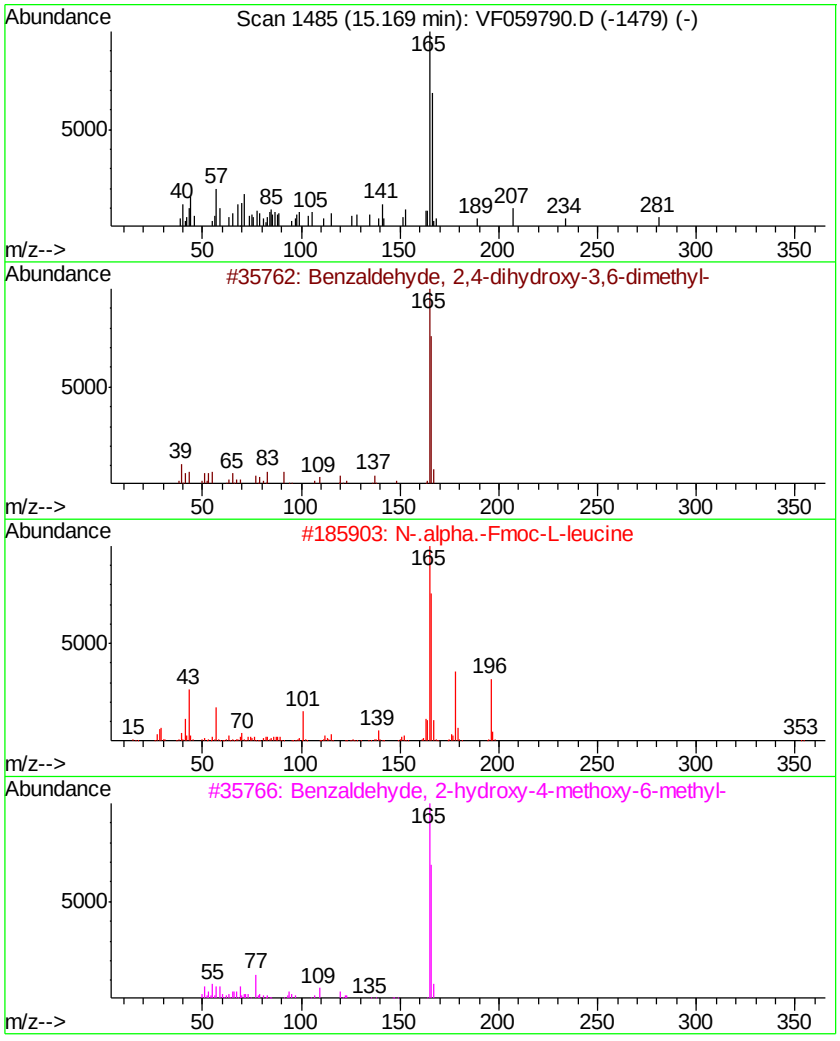
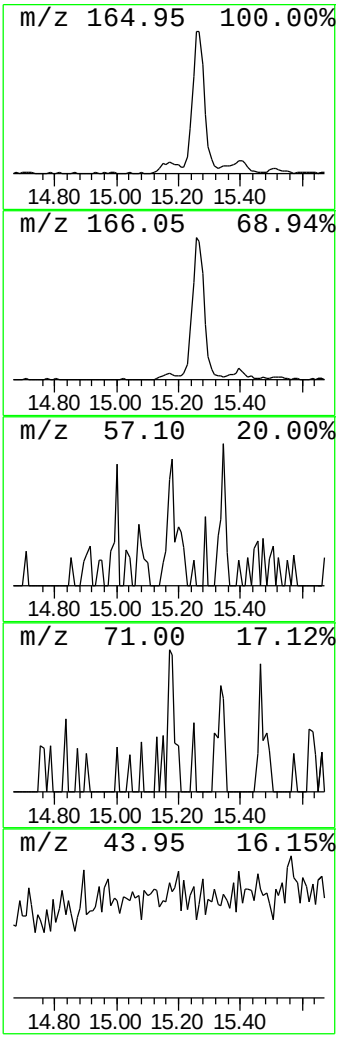
Peak Number 5 unknown15.17 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	9.43 ug/l	27935	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	38
2	N-.alpha.-Fmoc-L-leucine	353	C21H23NO4	035661-60-0	38
3	Benzaldehyde, 2-hydroxy-4-methox...	166	C9H10O3	034883-08-4	36
4	Benzenemethanol, .alpha.-phenyl-...	226	C15H14O2	000954-67-6	33
5	Benzene, 1,1'-(diazomethylene)bis-	194	C13H10N2	000883-40-9	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
Data File : VF059790.D
Acq On : 2 Aug 2018 9:47
Operator : VA/AP
Sample : J4231-07
Misc : 5.10g/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260

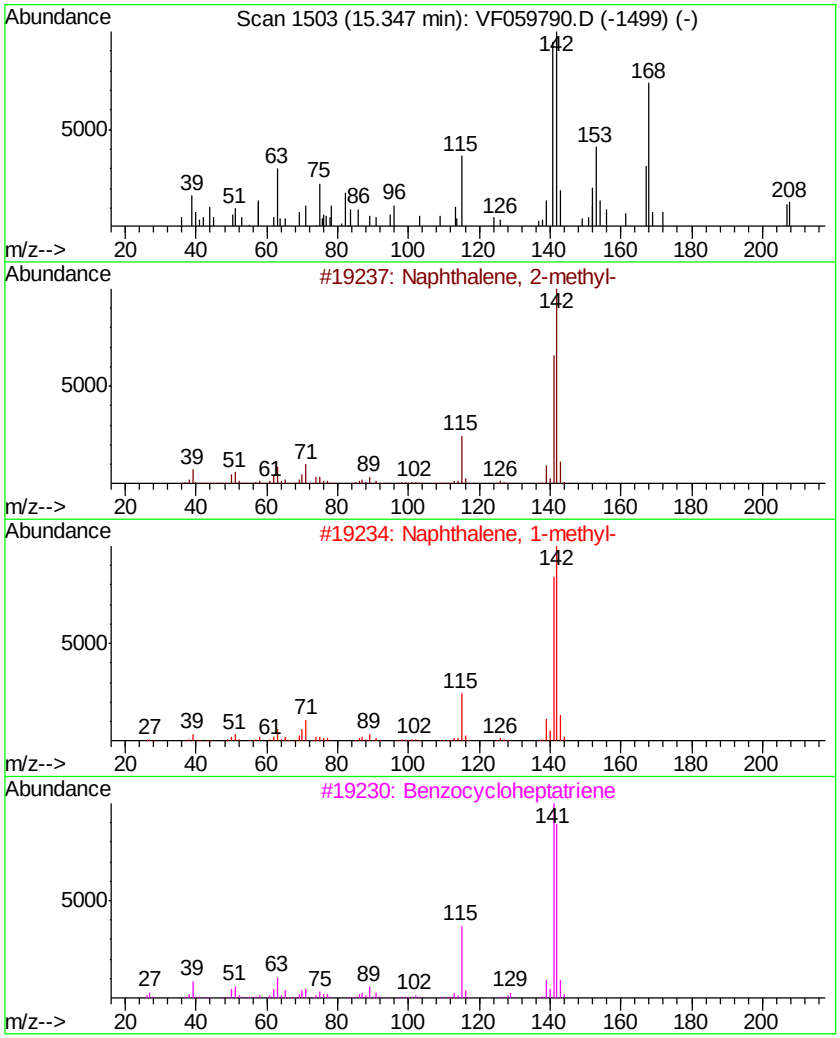
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

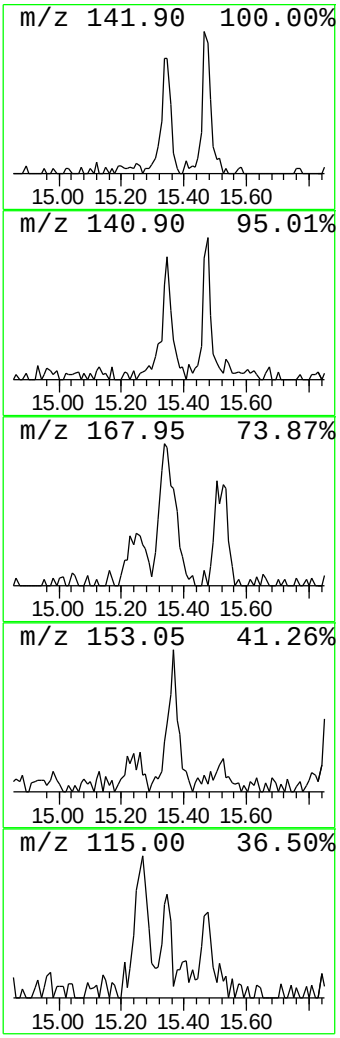
****

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	11.23 ug/l	33283	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	38
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	38
3	Benzocycloheptatriene	142	C11H10	000264-09-5	38
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	38
5	Pyrazol-5-amine, 1,3-dimethyl-4-...	168	C6H8N4S	019688-92-7	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
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Sample : J4231-07
Misc : 5.10g/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260

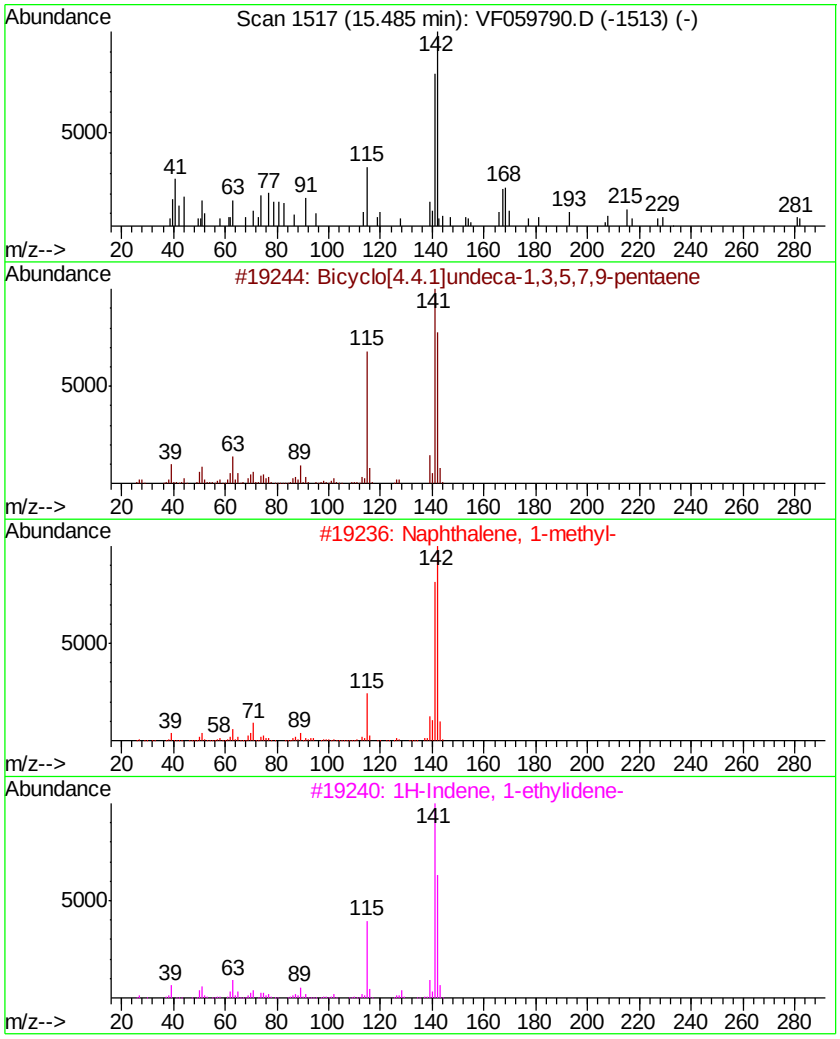
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

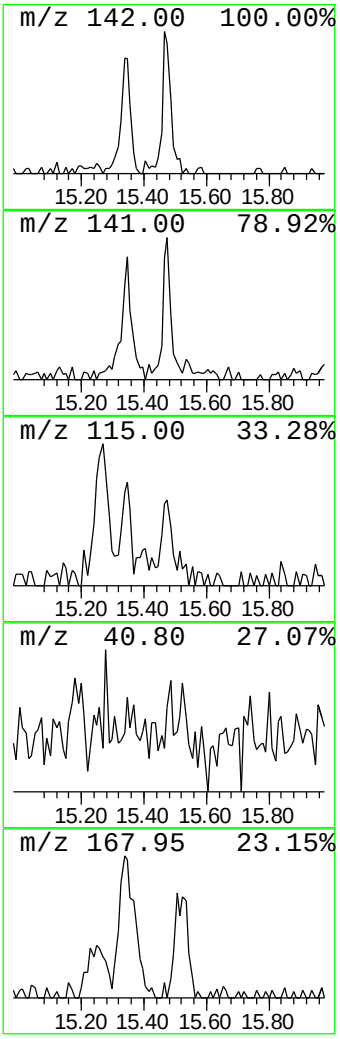
****

Peak Number 8 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	6.97 ug/l	20643	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	80
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	80
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	80
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	80
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	72





Library Search Compound Report

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MSVOA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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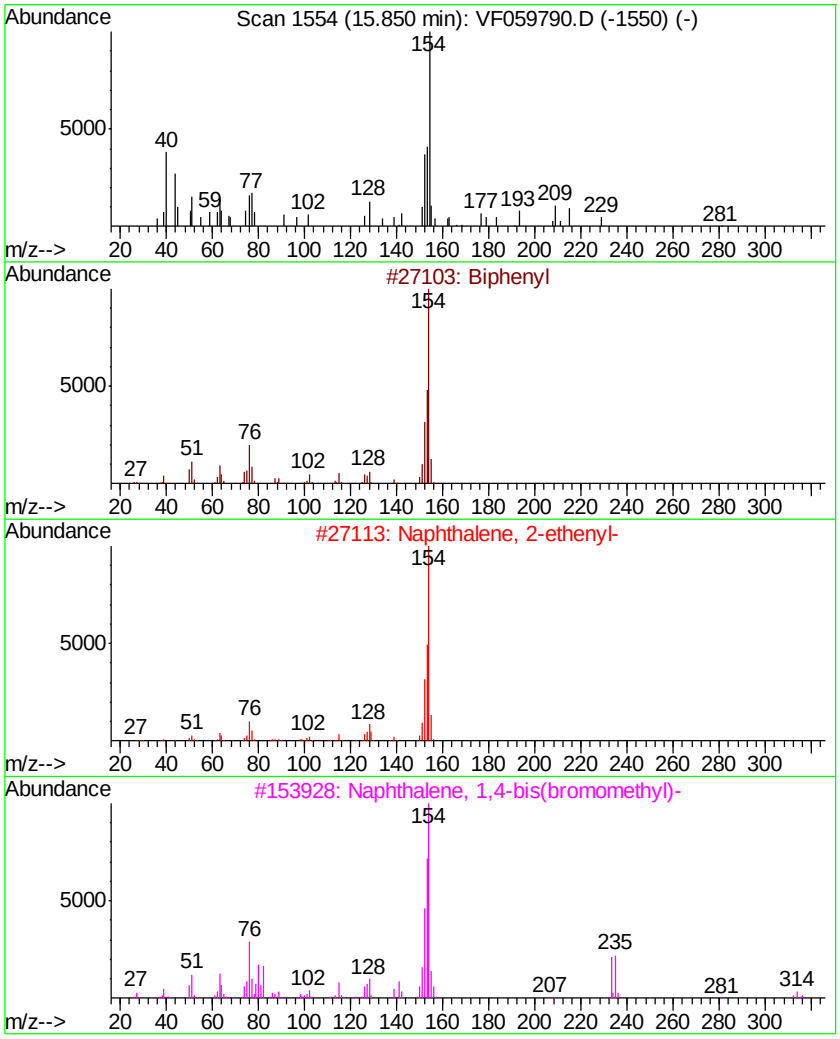
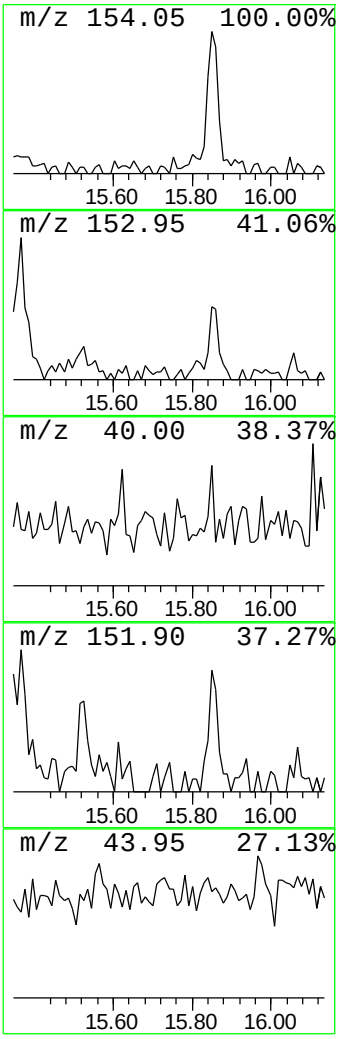
Peak Number 9 Biphenyl Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	7.72 ug/l	22871	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	70
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	58
3	Naphthalene, 1,4-bis(bromomethyl)-	312	C12H10Br2	058791-49-4	47
4	1-(2,2-Difluoroethenyl)-4-methyl...	154	C9H8F2	1000305-64-2	47
5	Propanedinitrile, (phenylmethyle...	154	C10H6N2	002700-22-3	43





Tentatively Identified Compound (LSC) summary

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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 2-(1...	13.52	9.4	ug/l	27953	4	12.63	148141	50.0
Dibenzofuran	14.21	21.2	ug/l	62848	4	12.63	148141	50.0
unknown14.52	14.52	9.1	ug/l	26992	4	12.63	148141	50.0
unknown15.17	15.17	9.4	ug/l	27935	4	12.63	148141	50.0
Naphthalene, 1-me...	15.35	11.2	ug/l	33283	4	12.63	148141	50.0
Bicyclo[4.4.1]und...	15.48	7.0	ug/l	20643	4	12.63	148141	50.0
Biphenyl	15.85	7.7	ug/l	22871	4	12.63	148141	50.0