

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
 Data File : BF096834.D
 Acq On : 17 Jul 2017 22:05
 Operator : SJ/JU
 Sample : I4216-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-TOPSOIL-1A

Manual Integrations
 APPROVED

mohammad
 7/20/2017 8:38:51 AM

Quant Time: Jul 18 04:32:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	100215	20.00	ng	-0.02
21) Naphthalene-d8	7.89	136	384348	20.00	ng	-0.03
38) Acenaphthene-d10	9.64	164	135532	20.00	ng	-0.03
63) Phenanthrene-d10	11.11	188	189942	20.00	ng	-0.04
75) Chrysene-d12	13.74	240	205326	20.00	ng	-0.04
86) Perylene-d12	15.11	264	166039	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	811487	121.75	ng	0.00
7) Phenol-d6	6.27	99	946806	118.38	ng	-0.01
23) Nitrobenzene-d5	7.18	82	541542	87.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	127046	109.82	ng	-0.04
44) 2-Fluorobiphenyl	8.97	172	801916	93.48	ng	-0.03
78) Terphenyl-d14	12.70	244	476583	40.25	ng	-0.04
Target Compounds						
49) Dimethylphthalate	9.36	163	65065	6.376	ng	Qvalue 100
70) Phenanthrene	11.13	178	24838	2.405	ng	99
74) Fluoranthene	12.32	202	34343	3.474	ng	94
85) Indeno(1,2,3-cd)pyrene	16.40	276	5755	3.804	ng	# 80

(#) = qualifier out of range (m) = manual integration (+) = signals summed

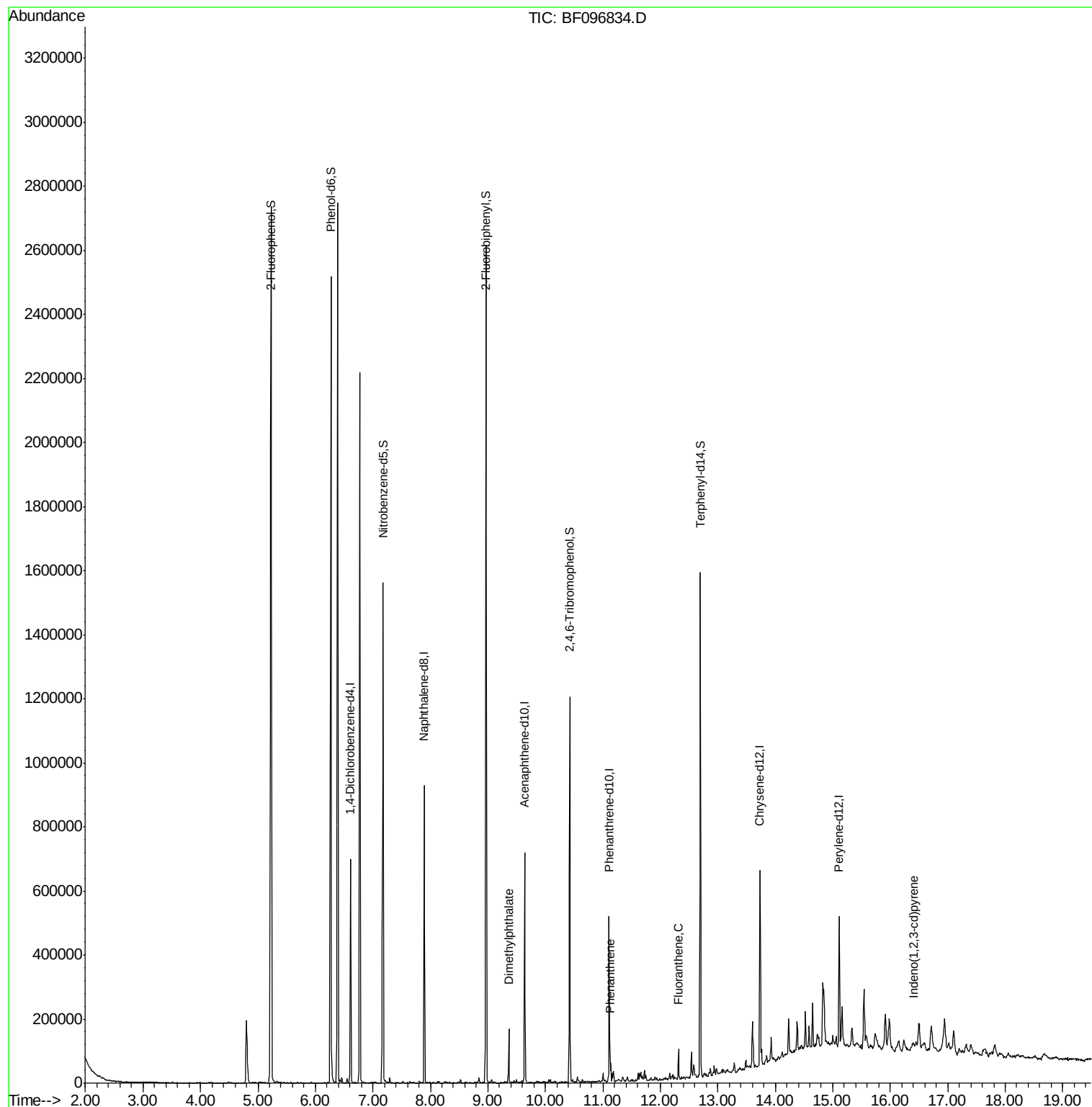
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
Data File : BF096834.D
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Sample : I4216-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

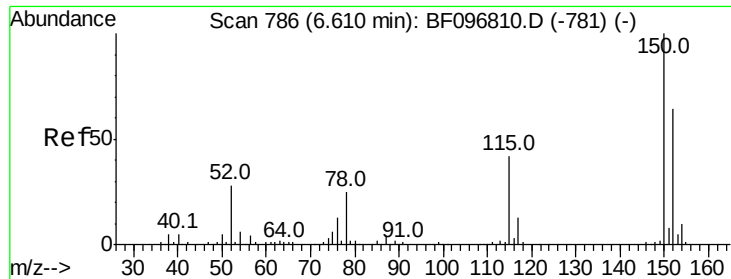
Instrument :
BNA_F
ClientSampleId :
VITALE-TOPSOIL-1A

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Quant Time: Jul 18 04:32:46 2017
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#1

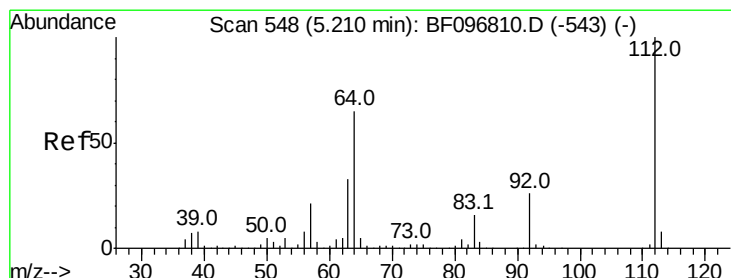
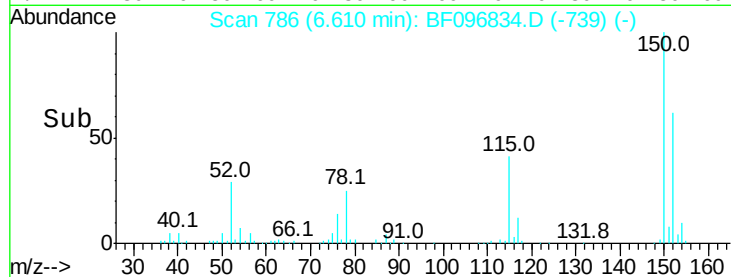
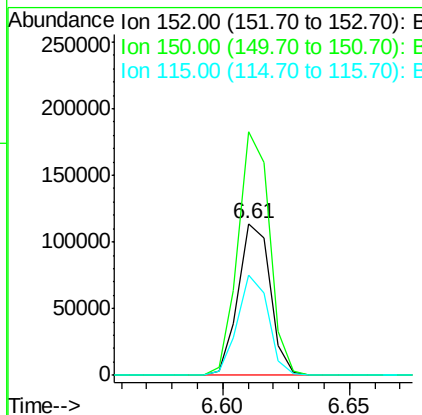
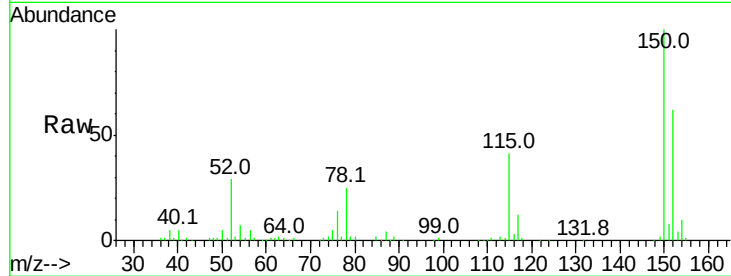
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF096834.D
Acq: 17 Jul 2017 22:05

Instrument :
BNA_F
ClientSampleId :
VITALE-TOPSOIL-1A

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	126.2	189.2
115	65.6	52.2	78.2

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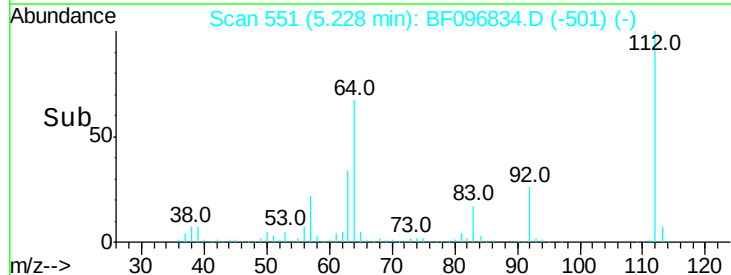
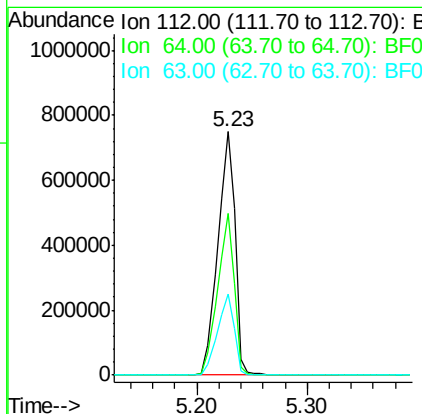
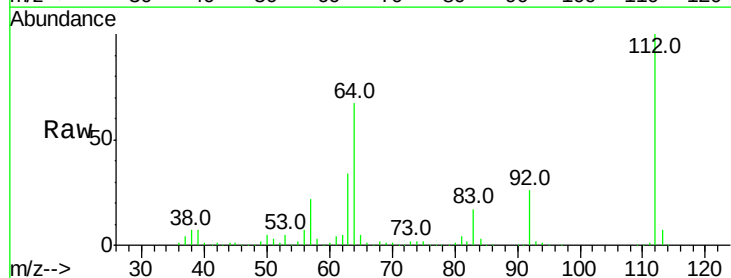
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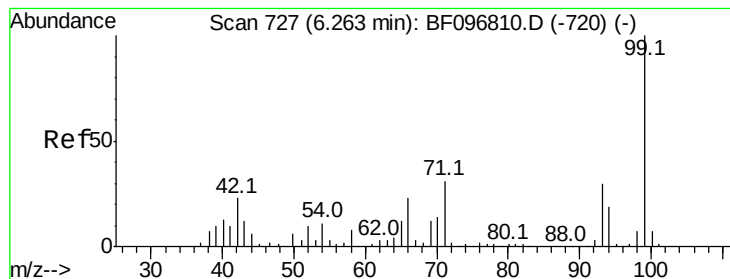


#5

2-Fluorophenol
Concen: 121.752 ng
RT: 5.23 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF096834.D
Acq: 17 Jul 2017 22:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	46.0	69.0
63	33.5	23.4	35.0





#7

Phenol-d6

Concen: 118.376 ng

RT: 6.27 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096834.D

Acq: 17 Jul 2017 22:05

Instrument :

BNA_F

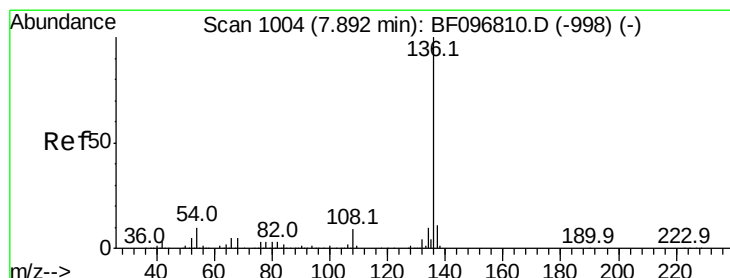
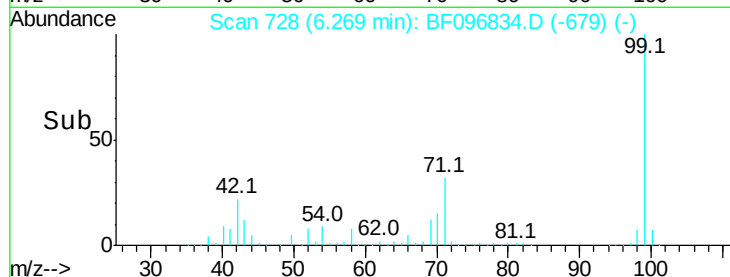
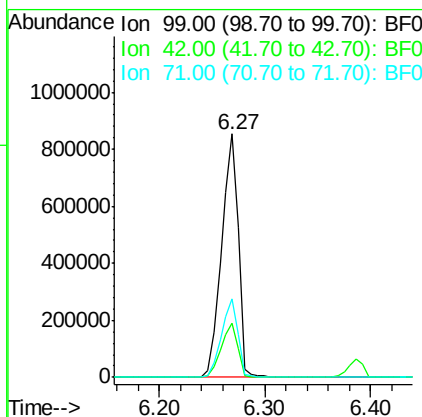
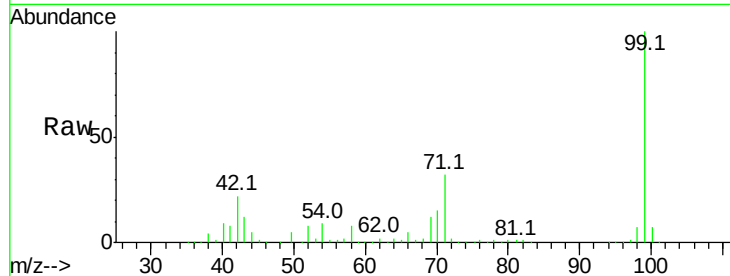
ClientSampleId :

VITALE-TOPSOIL-1A

Tot Ion:	99	Resp:	946806
Ion Ratio	Lower	Upper	
99	100		
42	22.5	13.5	20.3#
71	32.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

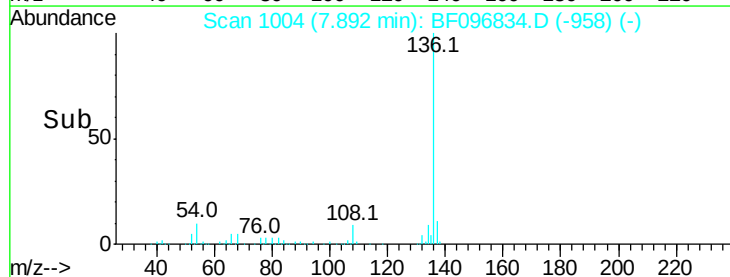
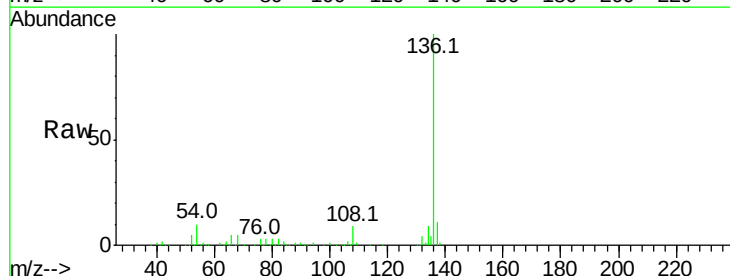
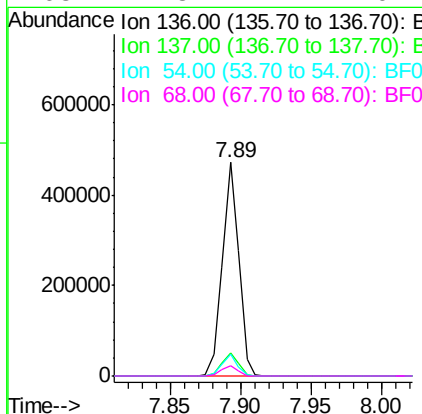
RT: 7.89 min Scan# 1004

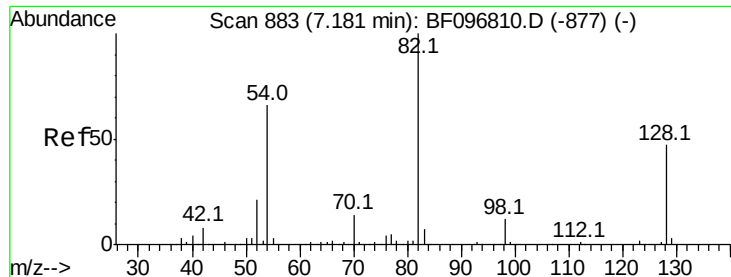
Delta R.T. -0.03 min

Lab File: BF096834.D

Acq: 17 Jul 2017 22:05

Tgt Ion:	136	Resp:	384348
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	10.1	4.9	7.3#
68	4.8	4.1	6.1





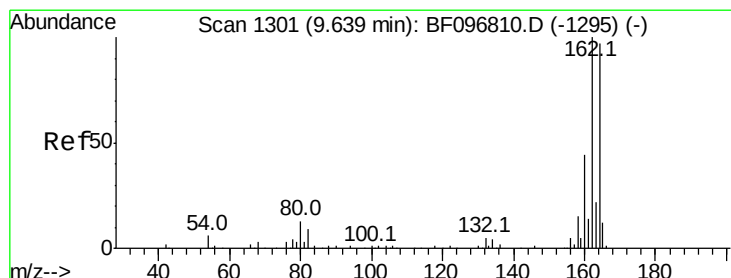
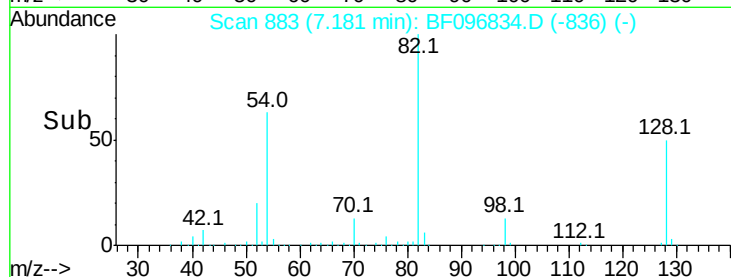
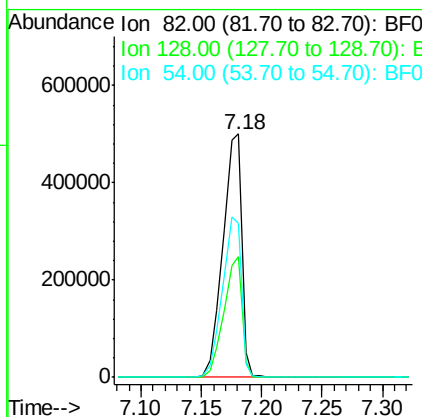
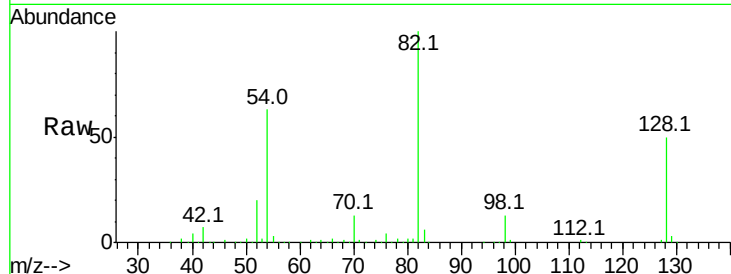
#23
Nitrobenzene-d5
Concen: 87.274 ng
RT: 7.18 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF096834.D
Acq: 17 Jul 2017 22:05

Instrument :
BNA_F
ClientSampleId :
VITALE-TOPSOIL-1A

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.5	34.0	51.0
54	63.4	42.2	63.2

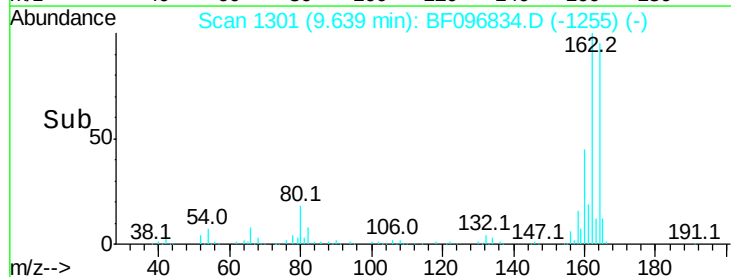
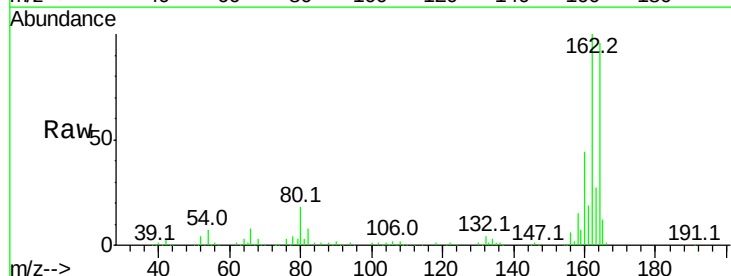
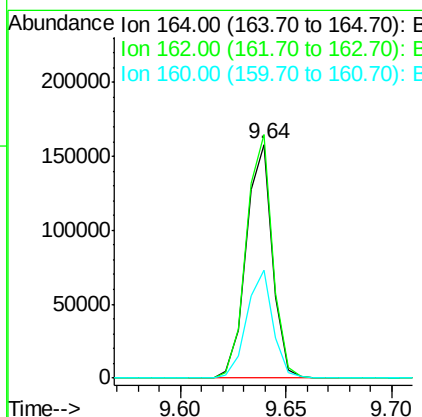
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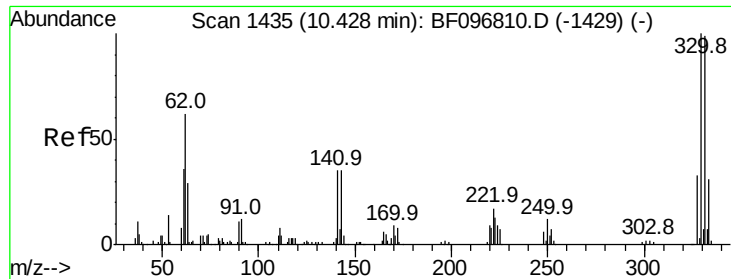
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BF096834.D
Acq: 17 Jul 2017 22:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.6	123.8
160	46.3	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 109.818 ng

RT: 10.42 min Scan# 1434

Delta R.T. -0.04 min

Lab File: BF096834.D

Acq: 17 Jul 2017 22:05

Instrument :

BNA_F

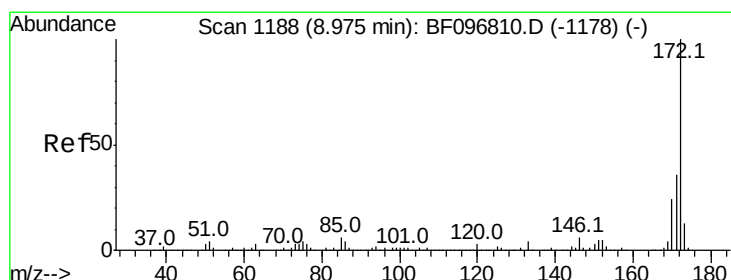
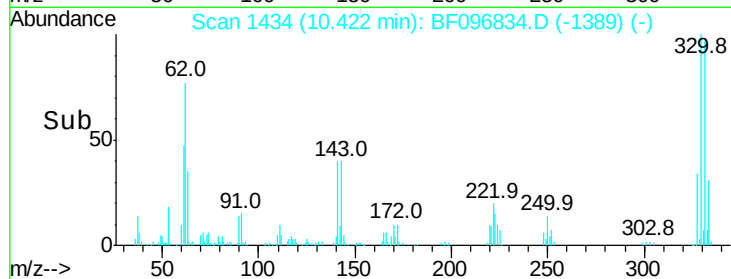
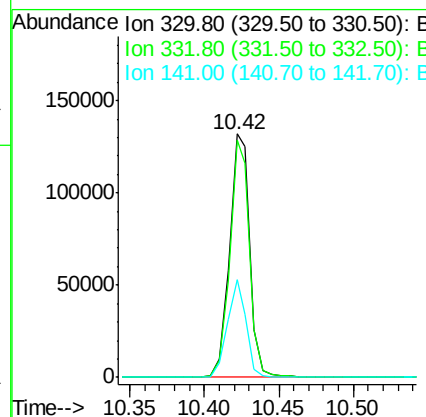
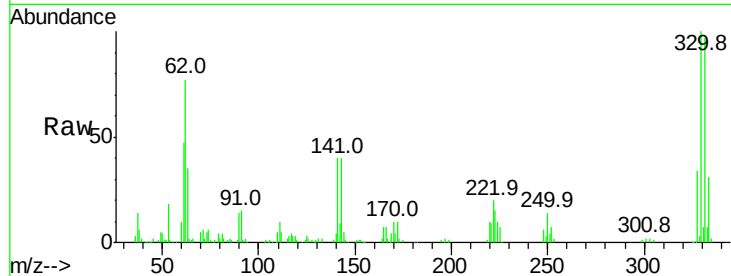
ClientSampleId :

VITALE-TOPSOIL-1A

Tot Ion:	330	Resp:	127046
Ion Ratio	Lower	Upper	
330	100		
332	94.6	76.6	115.0
141	37.2	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 93.481 ng

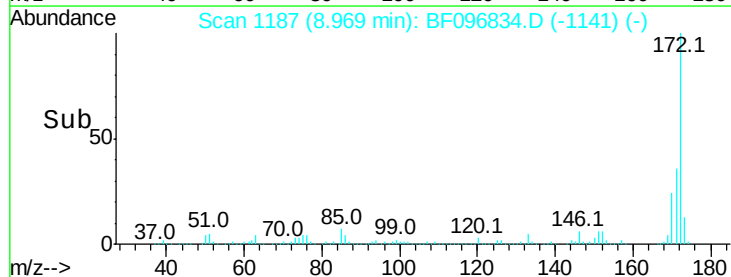
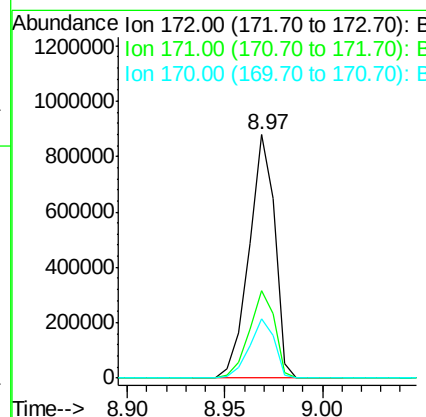
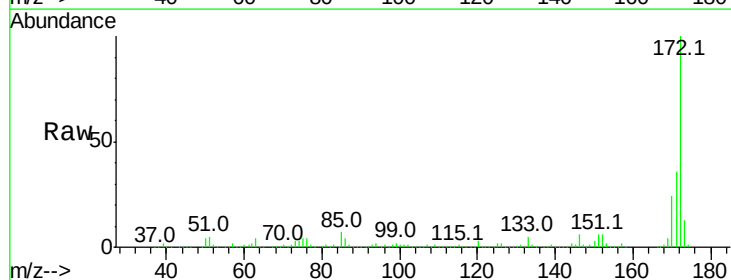
RT: 8.97 min Scan# 1187

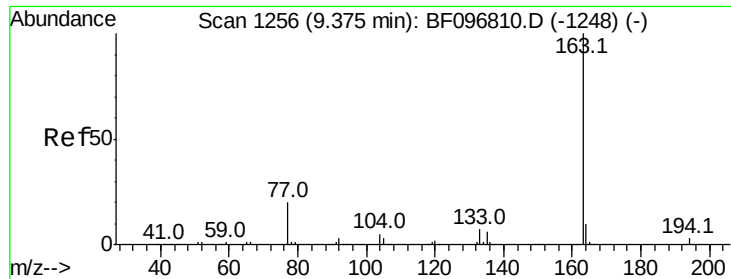
Delta R.T. -0.03 min

Lab File: BF096834.D

Acq: 17 Jul 2017 22:05

Tgt Ion:	172	Resp:	801916
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.6	44.4
170	24.4	19.8	29.8





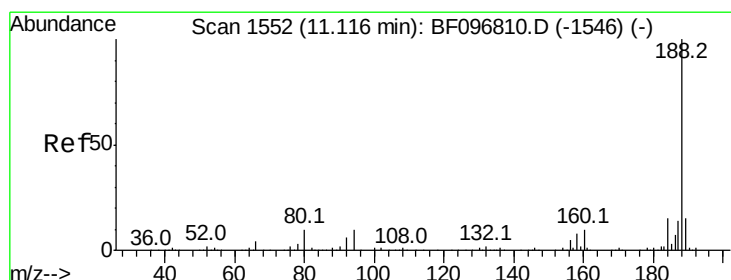
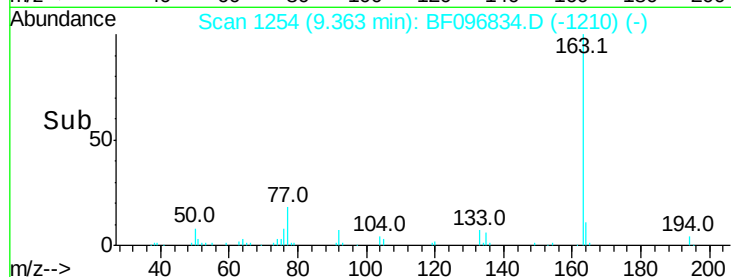
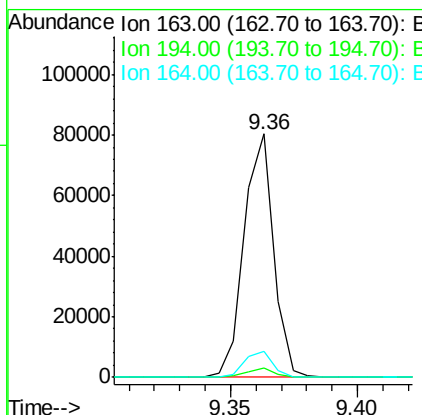
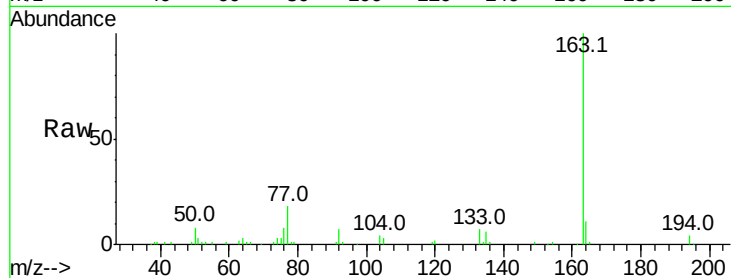
#49
Dimethylphthalate
Concen: 6.376 ng
RT: 9.36 min Scan# 1254
Delta R.T. -0.04 min
Lab File: BF096834.D
Acq: 17 Jul 2017 22:05

Instrument :
BNA_F
ClientSampleId :
VITALE-TOPSOIL-1A

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	10.5	8.4	12.6

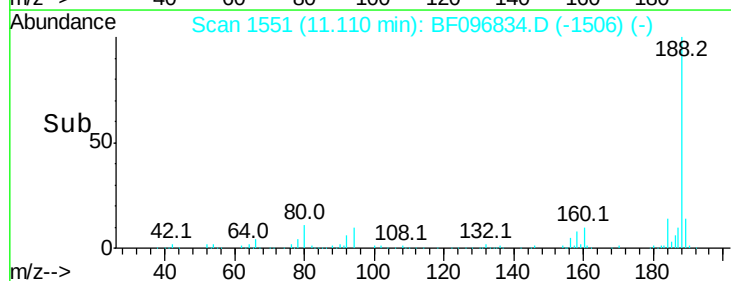
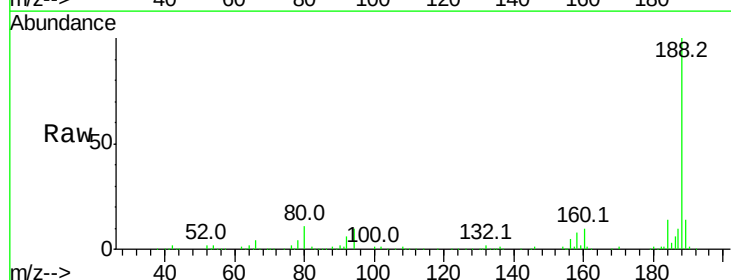
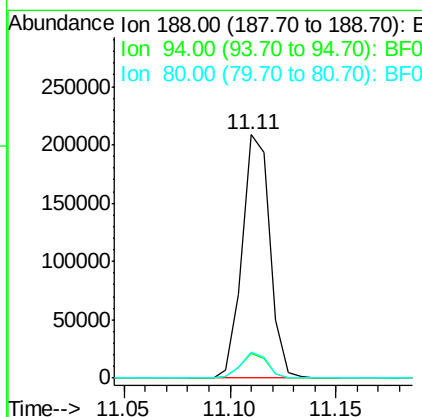
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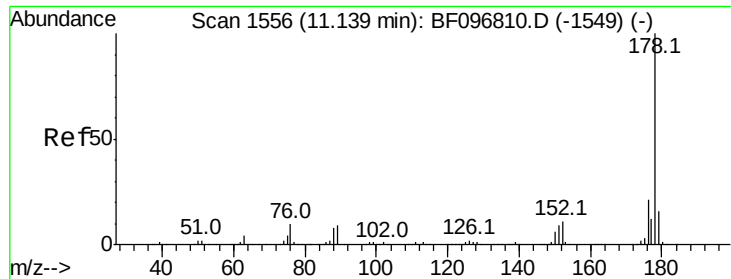
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1551
Delta R.T. -0.04 min
Lab File: BF096834.D
Acq: 17 Jul 2017 22:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	10.8	10.2	15.2





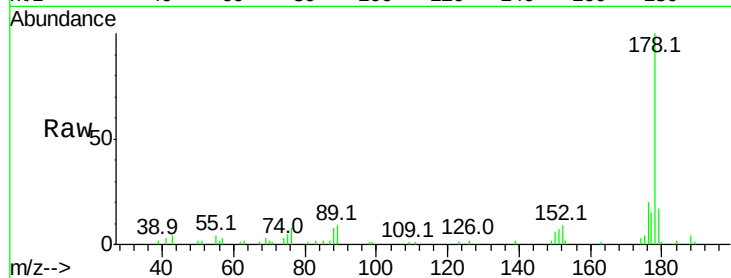
#70
Phenanthrene
Concen: 2.405 ng
RT: 11.13 min Scan# 1555
Delta R.T. -0.04 min
Lab File: BF096834.D
Acq: 17 Jul 2017 22:05

Instrument :
BNA_F
ClientSampleId :
VITALE-TOPSOIL-1A

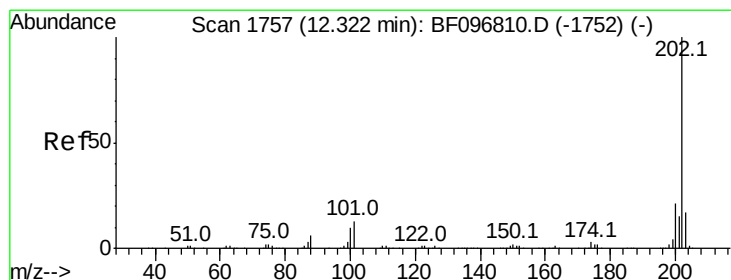
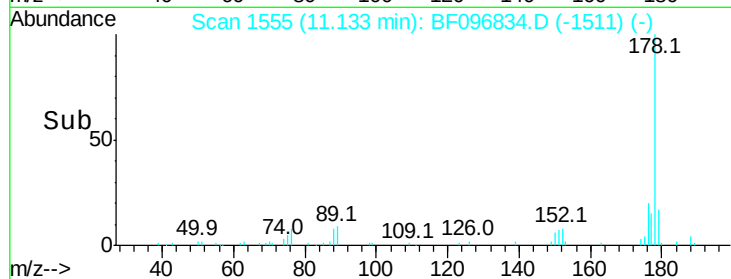
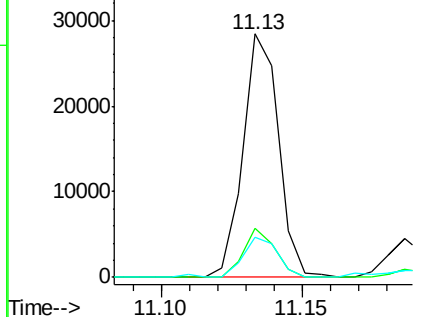
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	16.6	12.6	19.0

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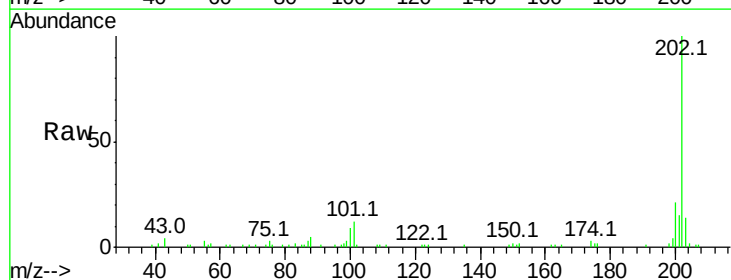


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

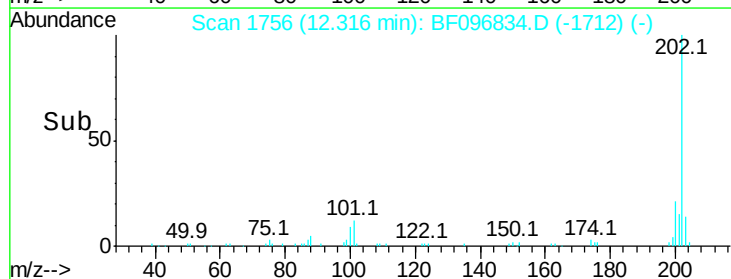
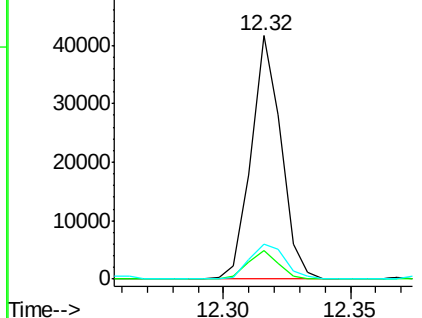


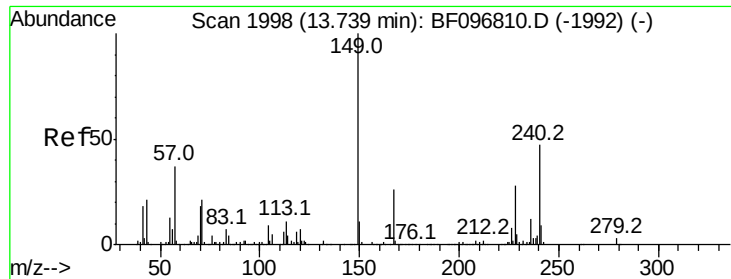
#74
Fluoranthene
Concen: 3.474 ng
RT: 12.32 min Scan# 1756
Delta R.T. -0.04 min
Lab File: BF096834.D
Acq: 17 Jul 2017 22:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	33.2
203	14.5	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.74 min Scan# 1998

Delta R.T. -0.04 min

Lab File: BF096834.D

Acq: 17 Jul 2017 22:05

Instrument :

BNA_F

ClientSampleId :

VITALE-TOPSOIL-1A

Tot Ion:240 Resp: 205326

Ion Ratio Lower Upper

240 100

120 12.8 5.8 8.8#

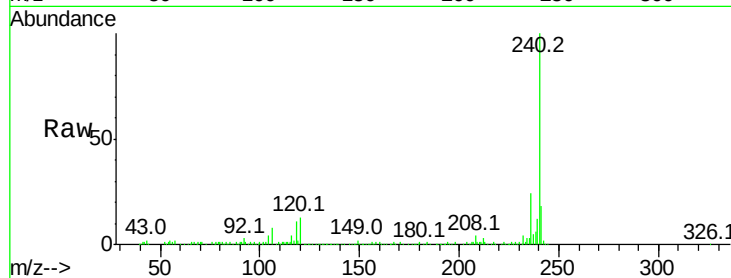
236 24.5 20.5 30.7

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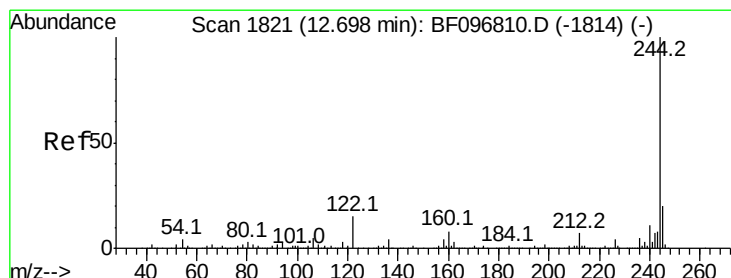
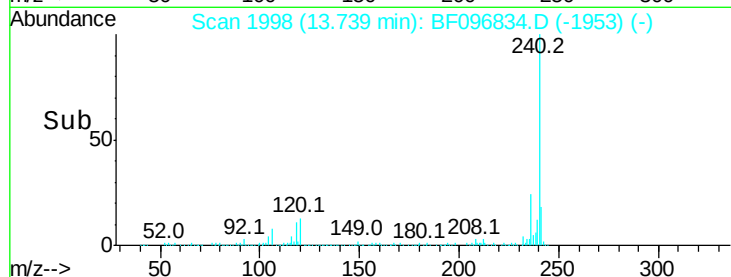
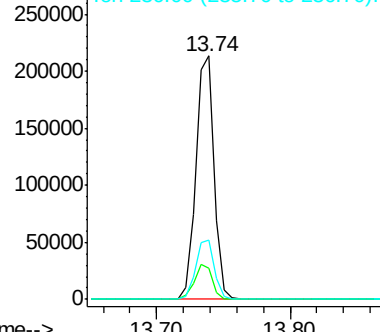
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 40.254 ng

RT: 12.70 min Scan# 1821

Delta R.T. -0.04 min

Lab File: BF096834.D

Acq: 17 Jul 2017 22:05

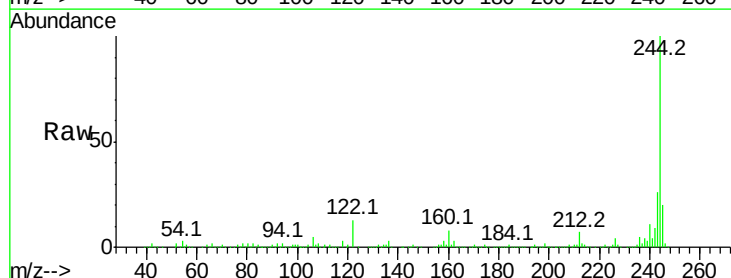
Tgt Ion:244 Resp: 476583

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

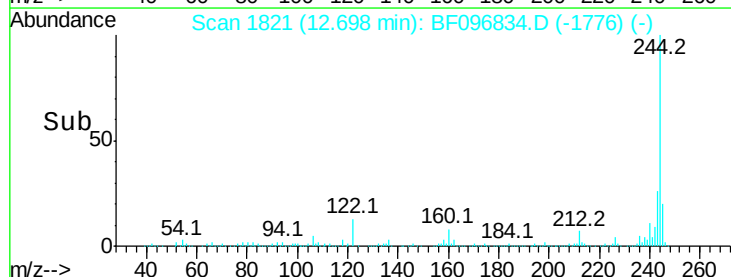
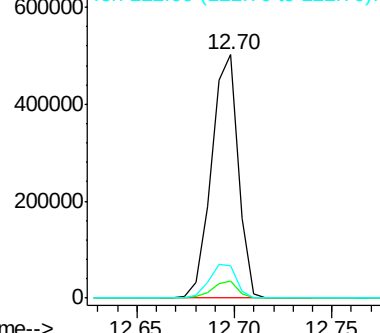
122 13.4 10.3 15.5

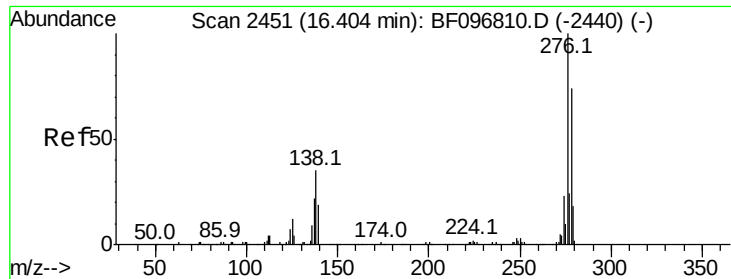


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





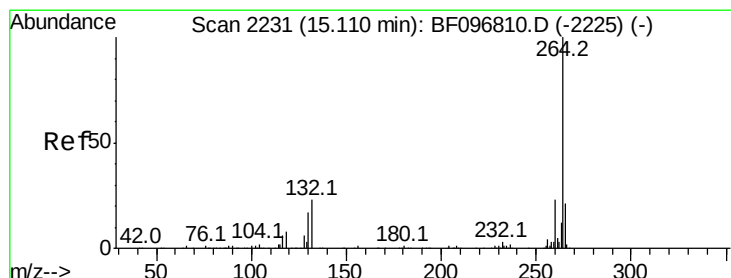
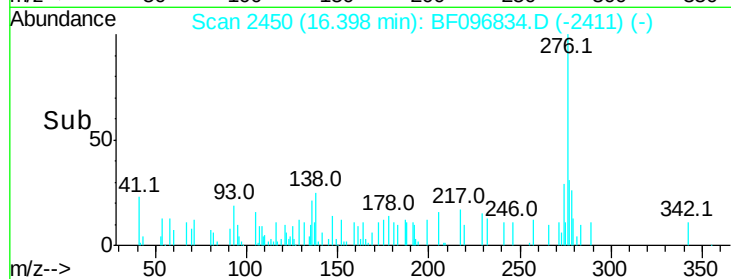
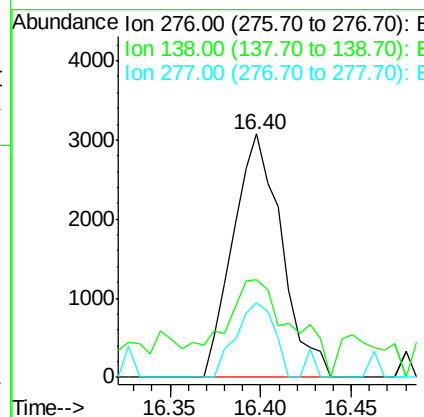
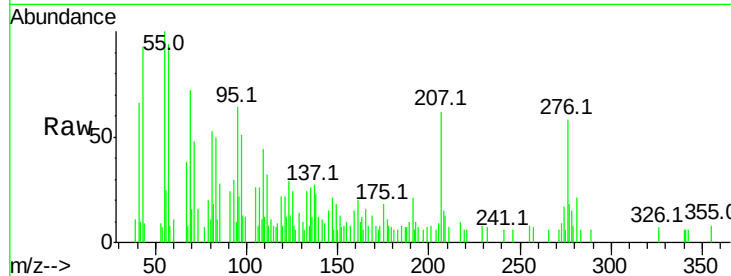
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.804 ng
RT: 16.40 min Scan# 2450
Delta R.T. -0.07 min
Lab File: BF096834.D
Acq: 17 Jul 2017 22:05

Instrument :
BNA_F
ClientSampleId :
VITALE-TOPSOIL-1A

Tot Ion	Ratio	Lower	Upper
276	100		
138	53.1	27.8	41.6#
277	24.0	20.2	30.4

Manual Integrations
APPROVED

mohammad
7/20/2017 8:38:51 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.11 min Scan# 2231
Delta R.T. -0.05 min
Lab File: BF096834.D
Acq: 17 Jul 2017 22:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	20.7	17.2	25.8

