

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
 Data File : BF096833.D
 Acq On : 17 Jul 2017 21:37
 Operator : SJ/JU
 Sample : I4216-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-1A

Manual Integrations
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Quant Time: Jul 18 04:23:50 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	100099	20.00	ng	-0.02
21) Naphthalene-d8	7.89	136	380038	20.00	ng	-0.03
38) Acenaphthene-d10	9.64	164	144076	20.00	ng	-0.03
63) Phenanthrene-d10	11.12	188	200663	20.00	ng	-0.03
75) Chrysene-d12	13.74	240	210854	20.00	ng	-0.04
86) Perylene-d12	15.11	264	159556	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	620747	93.24	ng	-0.01
7) Phenol-d6	6.27	99	738067	92.39	ng	-0.01
23) Nitrobenzene-d5	7.17	82	418272	68.17	ng	-0.03
41) 2,4,6-Tribromophenol	10.42	330	108784	88.46	ng	-0.04
44) 2-Fluorobiphenyl	8.97	172	696525	76.38	ng	-0.03
78) Terphenyl-d14	12.70	244	497237	40.90	ng	-0.04
Target Compounds						
49) Dimethylphthalate	9.36	163	140676	12.967	ng	99
70) Phenanthrene	11.13	178	54783	5.021	ng	97
74) Fluoranthene	12.32	202	99397	9.518	ng	99
77) Pyrene	12.55	202	80867	4.226	ng	98
80) Benzo(a)anthracene	13.73	228	45205	3.441	ng	95
82) Chrysene	13.76	228	38112m	2.947	ng	
85) Indeno(1,2,3-cd)pyrene	16.39	276	12455	4.330	ng	96
87) Benzo(b)fluoranthene	14.73	252	36677m	3.811	ng	
89) Benzo(a)pyrene	15.06	252	25154	2.850	ng	# 92

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

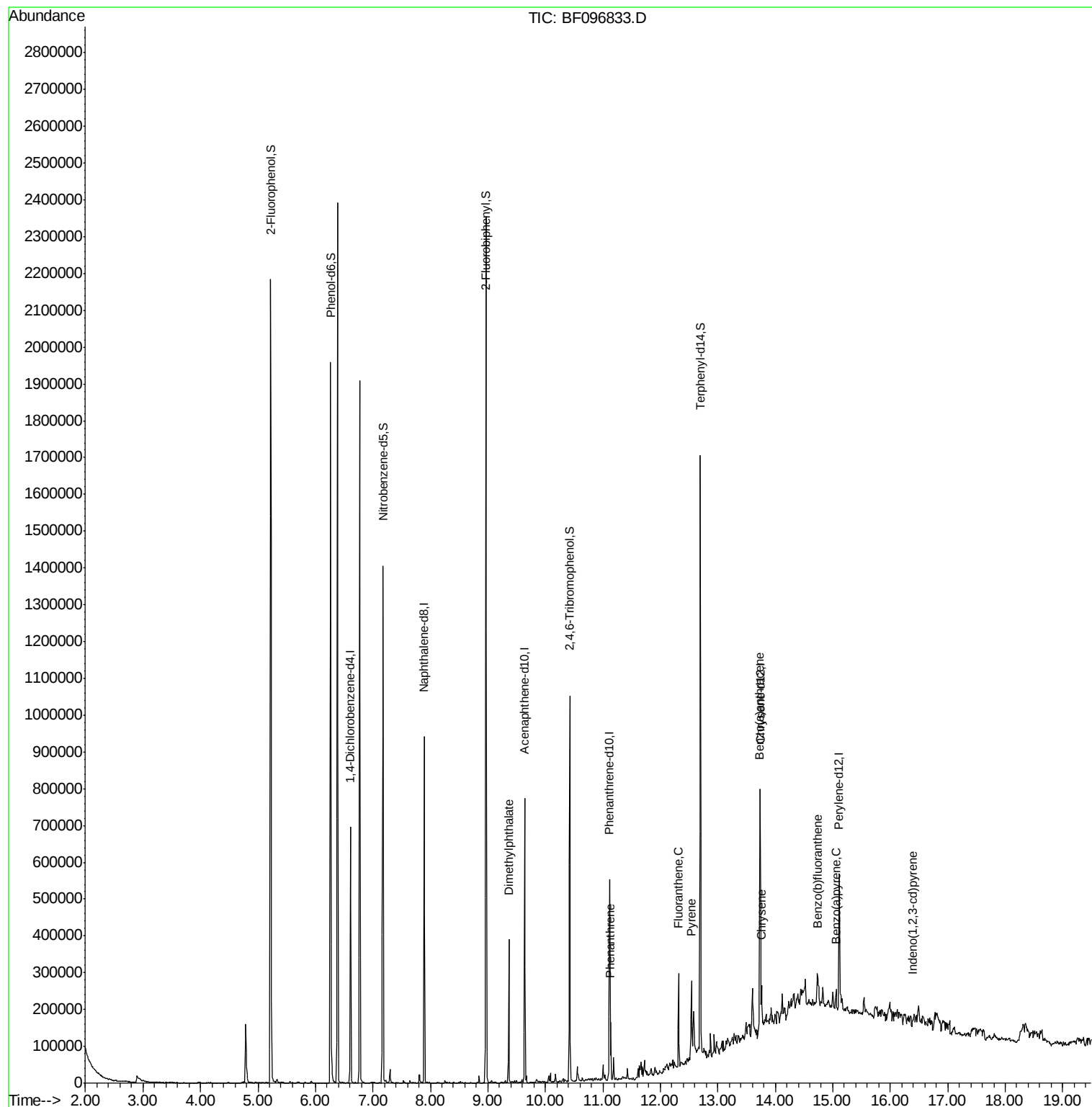
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
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ALS Vial : 25 Sample Multiplier: 1

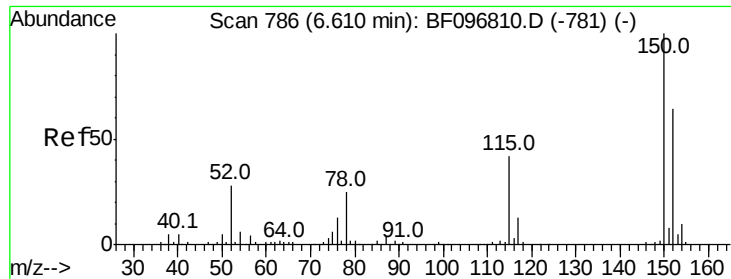
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-1A

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Quant Time: Jul 18 04:23:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

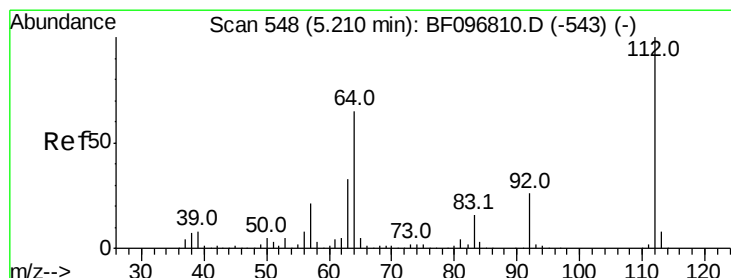
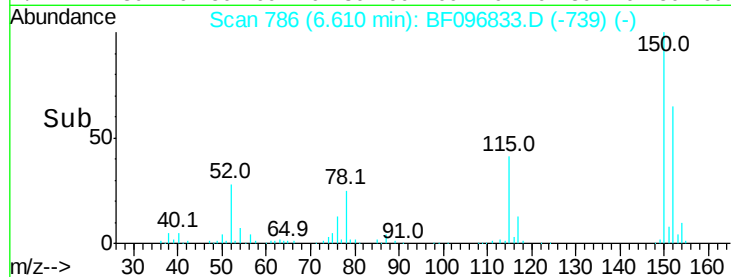
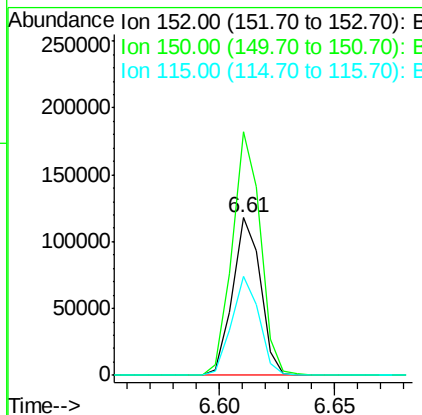
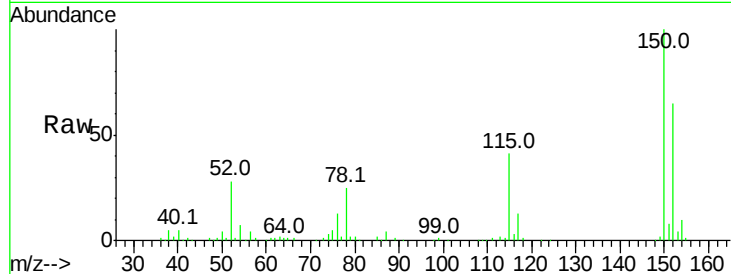
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-1A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.2	189.2
115	63.2	52.2	78.2

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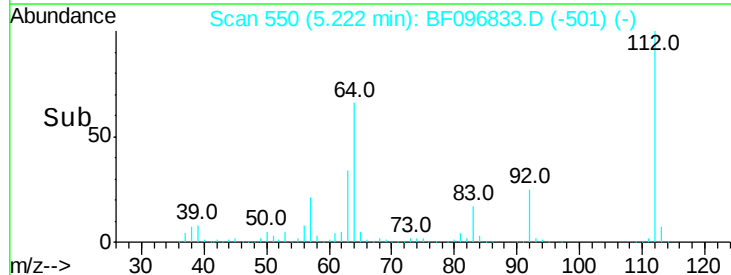
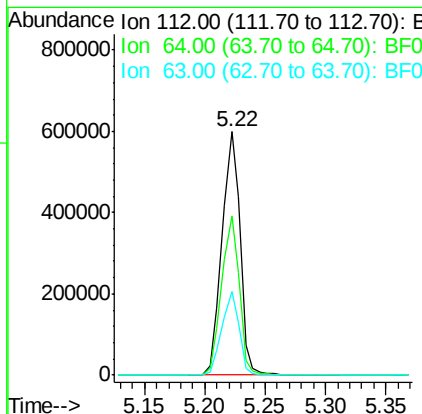
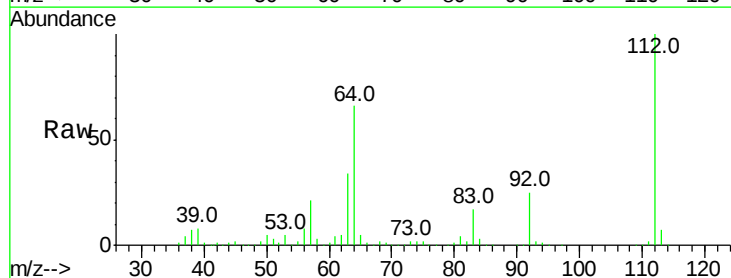
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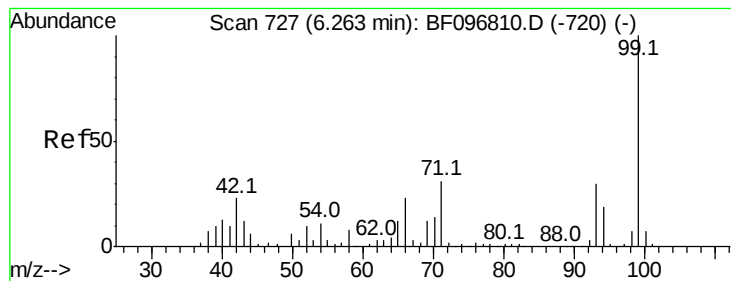


#5

2-Fluorophenol
Concen: 93.242 ng
RT: 5.22 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	46.0	69.0
63	34.2	23.4	35.0





#7

Phenol-d6

Concen: 92.385 ng

RT: 6.27 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Instrument :

BNA_F

ClientSampleId :

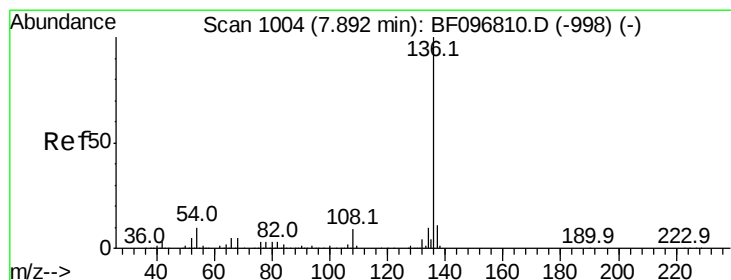
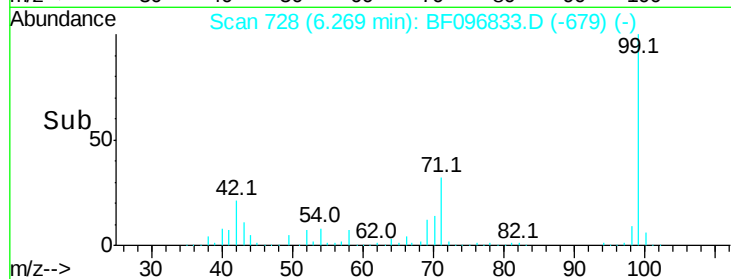
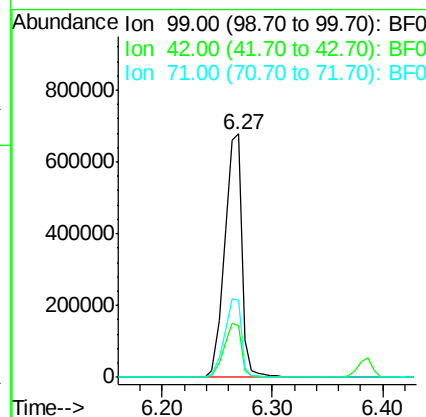
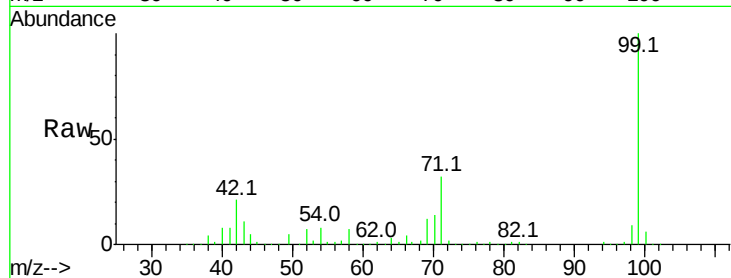
VITALE-FILL-1A

Tot Ion: 99 Resp: 738067

Ion	Ratio	Lower	Upper
99	100		
42	21.0	13.5	20.3#
71	31.7	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1004

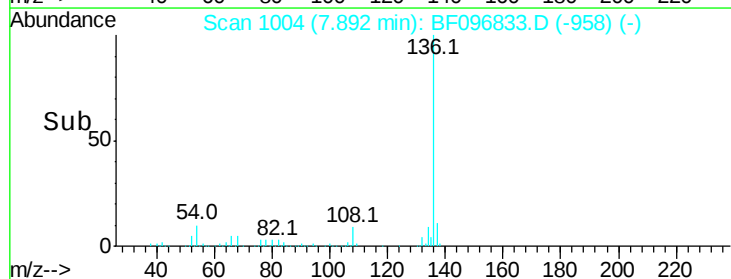
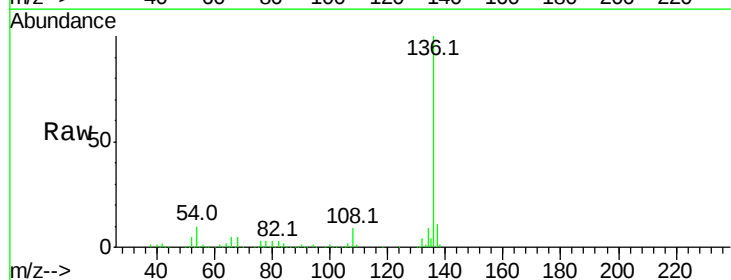
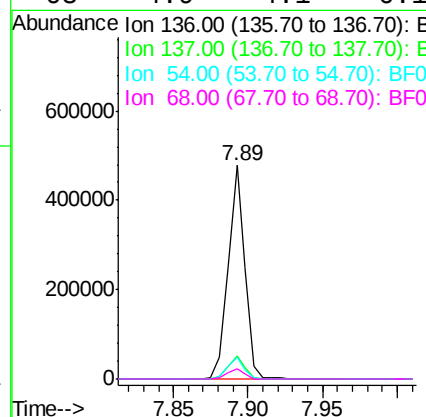
Delta R.T. -0.03 min

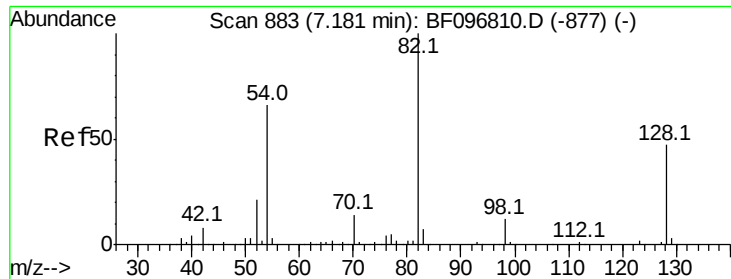
Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Tgt Ion: 136 Resp: 380038

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	9.9	4.9	7.3#
68	4.9	4.1	6.1





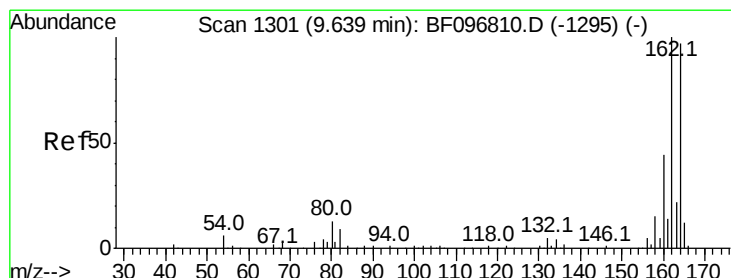
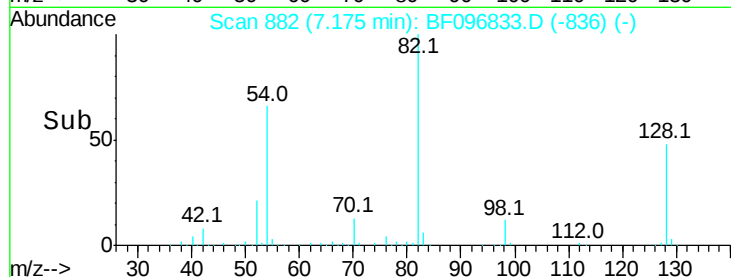
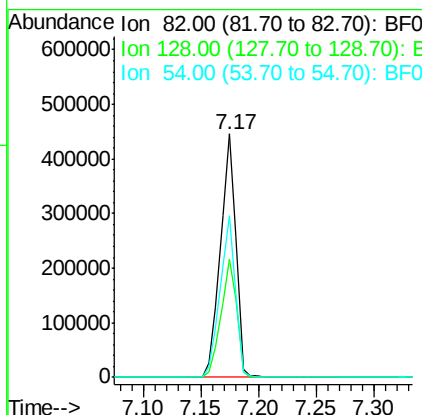
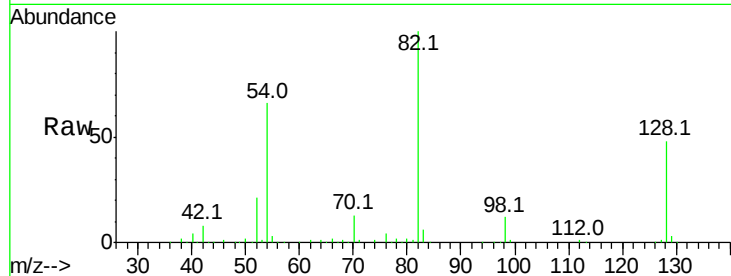
#23
Nitrobenzene-d5
Concen: 68.172 ng
RT: 7.17 min Scan# 882
Delta R.T. -0.03 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-1A

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.4	34.0	51.0	
54	66.4	42.2	63.2	

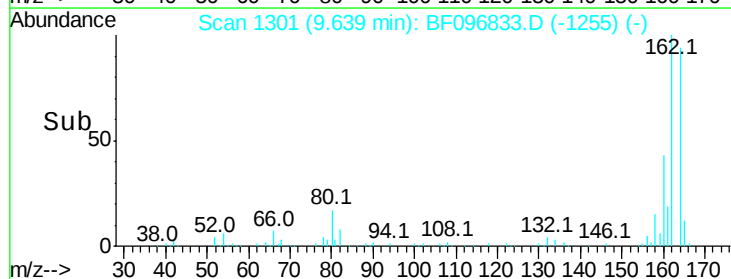
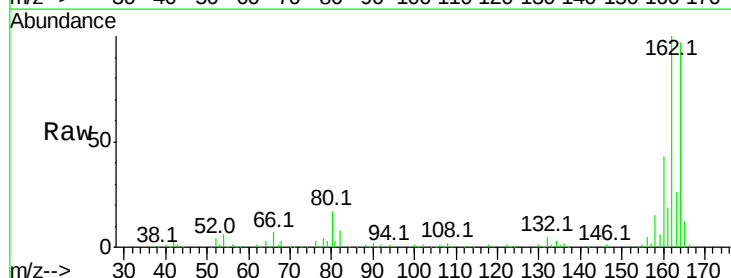
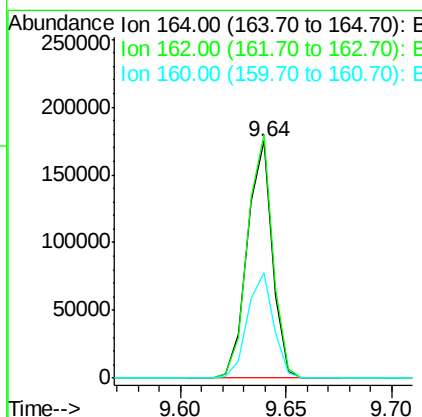
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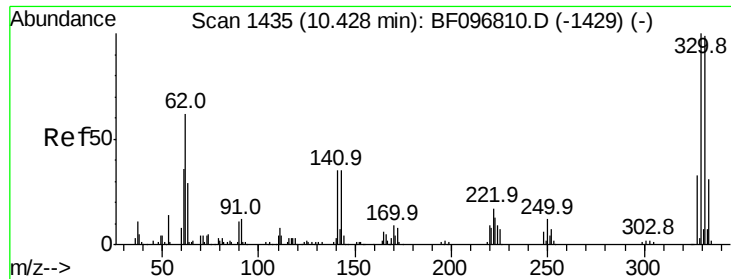
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.9	82.6	123.8	
160	44.3	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 88.456 ng

RT: 10.42 min Scan# 1434

Delta R.T. -0.04 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Instrument :

BNA_F

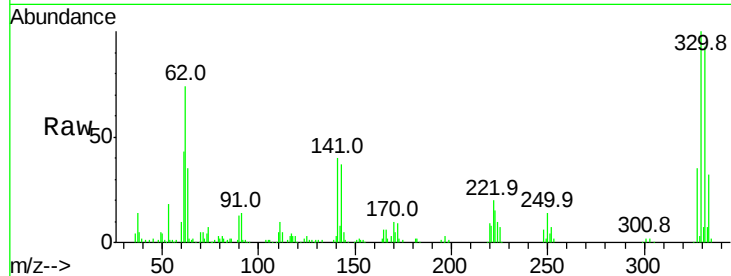
ClientSampleId :

VITALE-FILL-1A

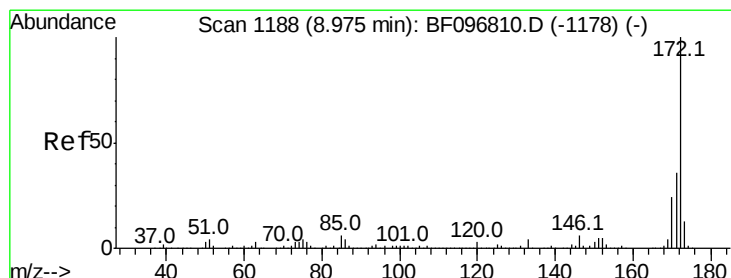
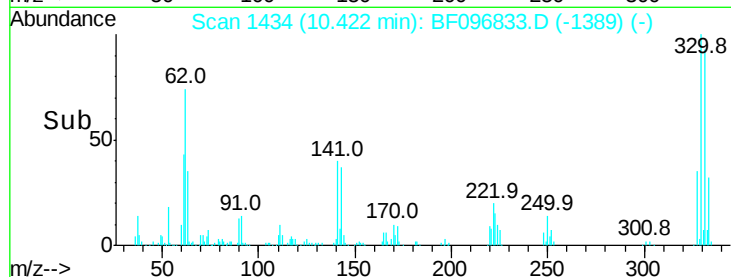
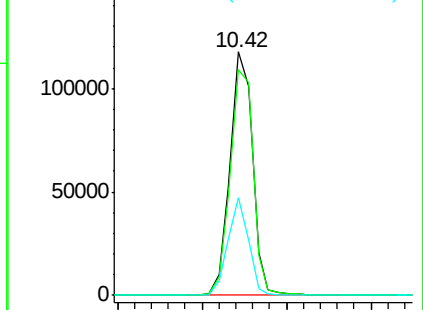
Tot Ion:	330	Resp:	108784
Ion Ratio	Lower	Upper	
330	100		
332	95.1	76.6	115.0
141	37.0	31.4	47.2

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 76.380 ng

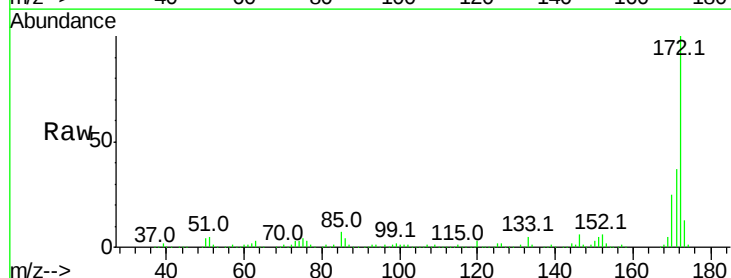
RT: 8.97 min Scan# 1187

Delta R.T. -0.03 min

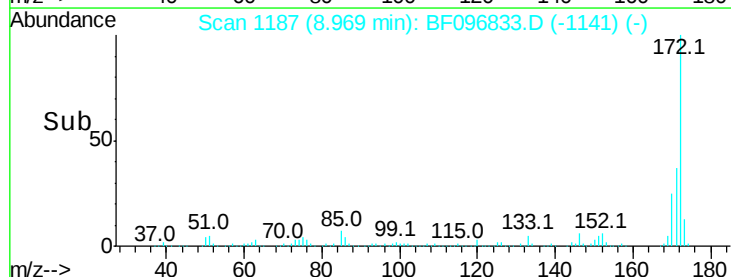
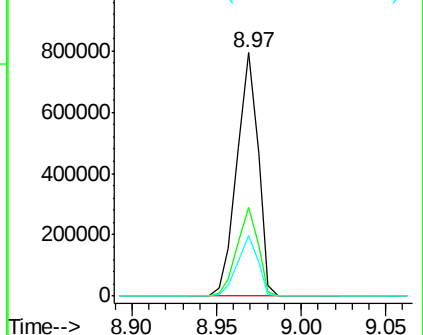
Lab File: BF096833.D

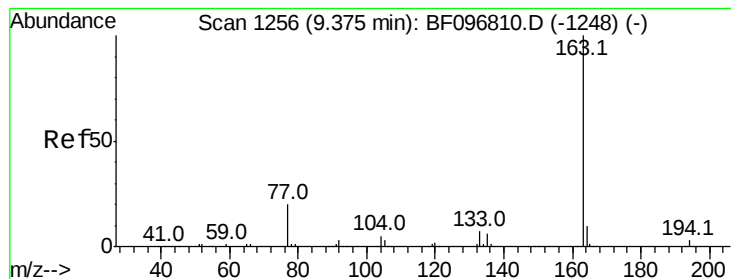
Acq: 17 Jul 2017 21:37

Tgt Ion:	172	Resp:	696525
Ion Ratio	Lower	Upper	
172	100		
171	36.6	29.6	44.4
170	24.7	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 12.967 ng

RT: 9.36 min Scan# 1254

Delta R.T. -0.04 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Instrument :

BNA_F

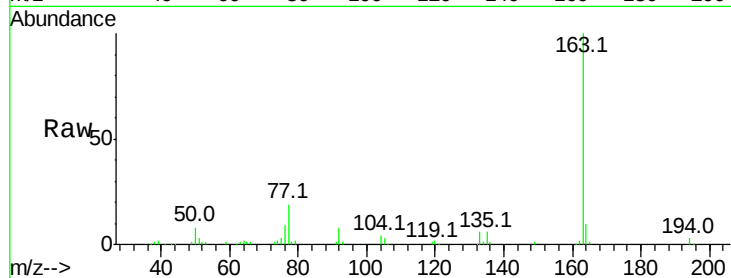
ClientSampleId :

VITALE-FILL-1A

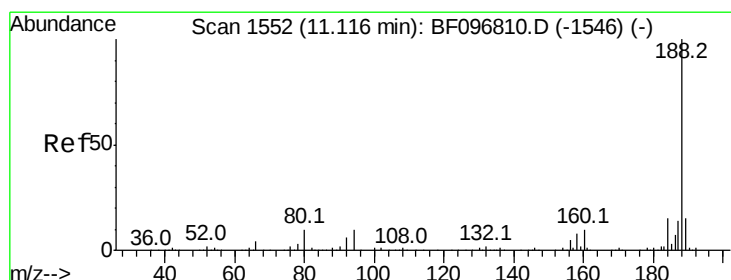
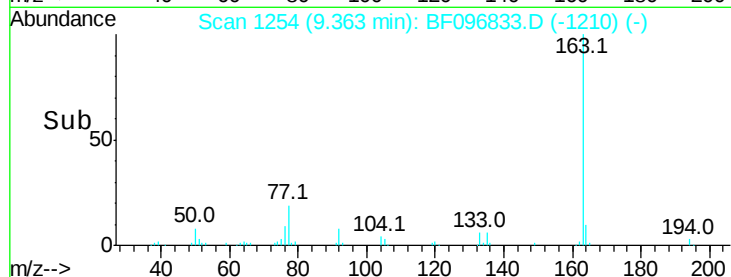
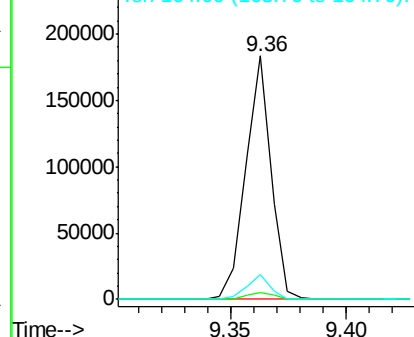
Tot Ion:	163	Resp:	140676
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.6	4.0
164	10.2	8.4	12.6

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

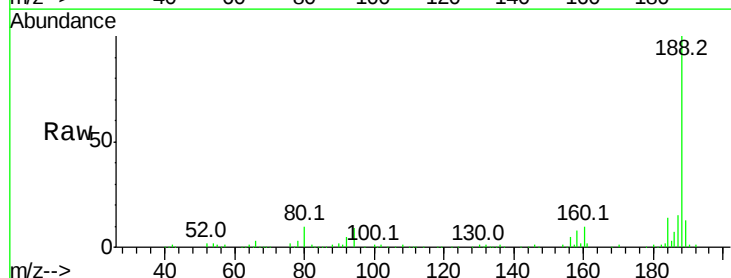
RT: 11.12 min Scan# 1552

Delta R.T. -0.03 min

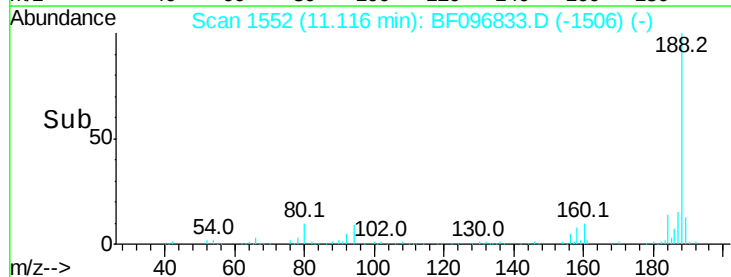
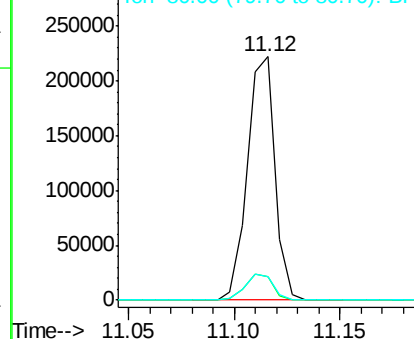
Lab File: BF096833.D

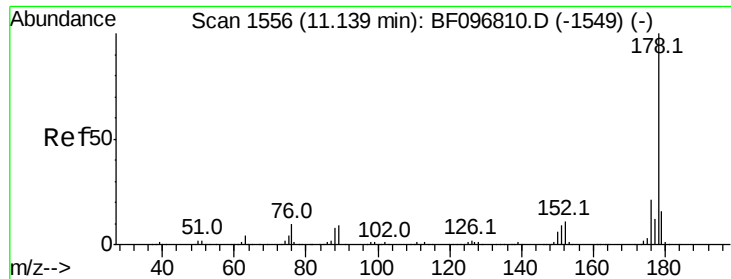
Acq: 17 Jul 2017 21:37

Tgt Ion:	188	Resp:	200663
Ion Ratio	Lower	Upper	
188	100		
94	9.4	9.4	14.2
80	9.6	10.2	15.2#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





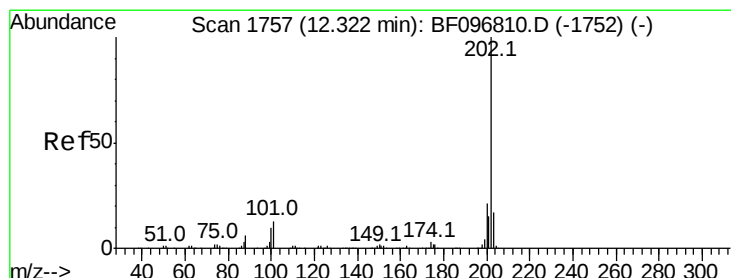
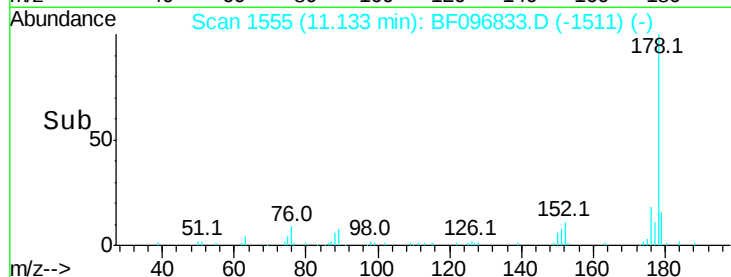
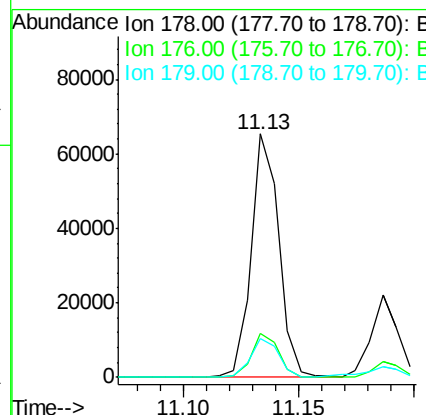
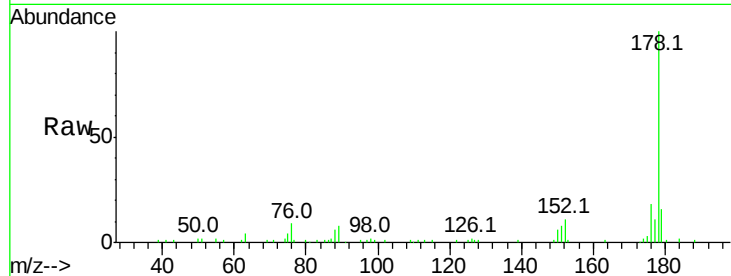
#70
Phenanthrene
Concen: 5.021 ng
RT: 11.13 min Scan# 1555
Delta R.T. -0.04 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-1A

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	16.2	24.4
179	15.9	12.6	19.0

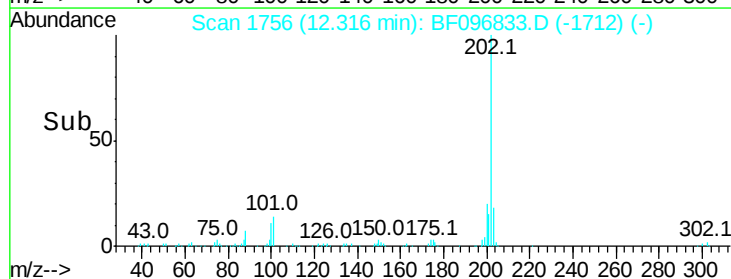
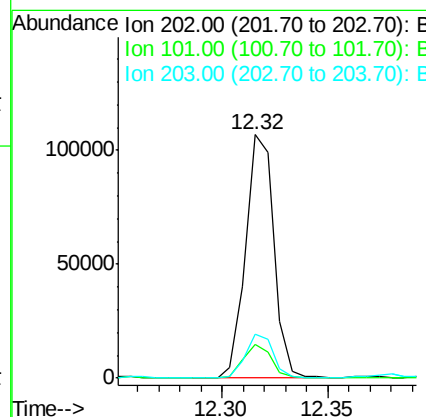
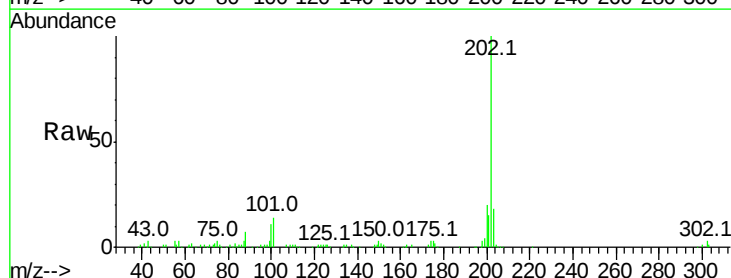
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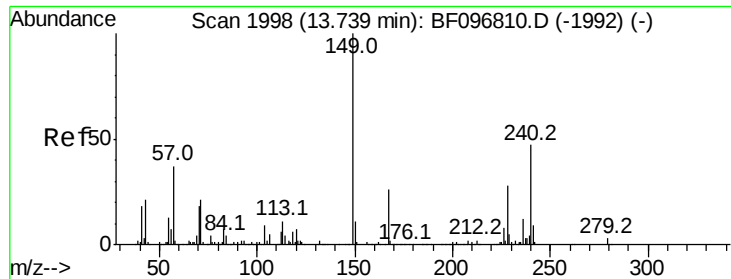
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#74
Fluoranthene
Concen: 9.518 ng
RT: 12.32 min Scan# 1756
Delta R.T. -0.04 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.74 min Scan# 1998

Delta R.T. -0.04 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Instrument :

BNA_F

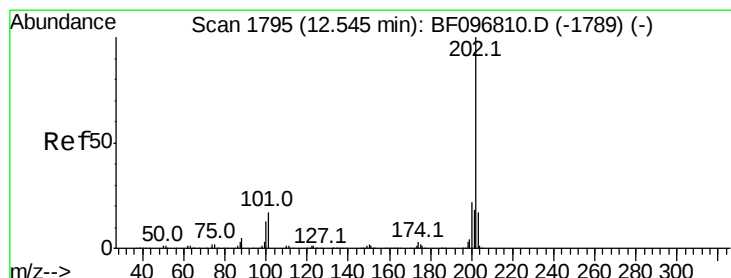
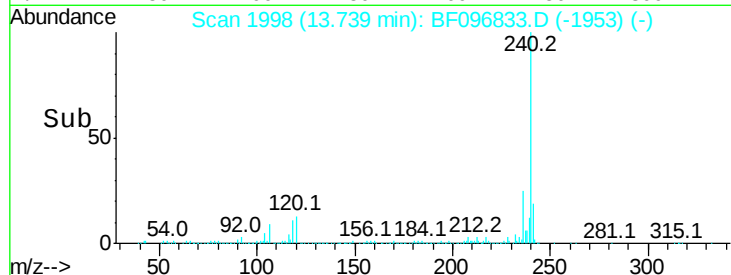
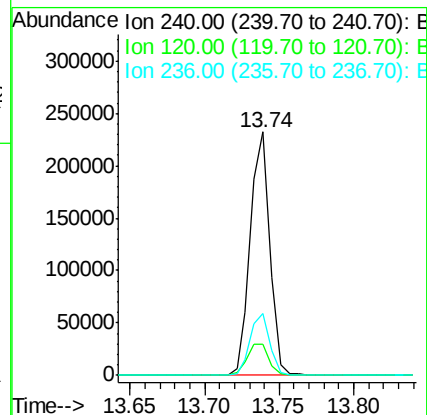
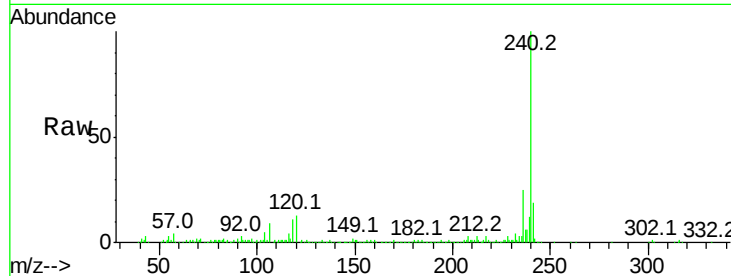
ClientSampleId :

VITALE-FILL-1A

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.7	5.8	8.8#
236	25.2	20.5	30.7

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#77

Pyrene

Concen: 4.226 ng

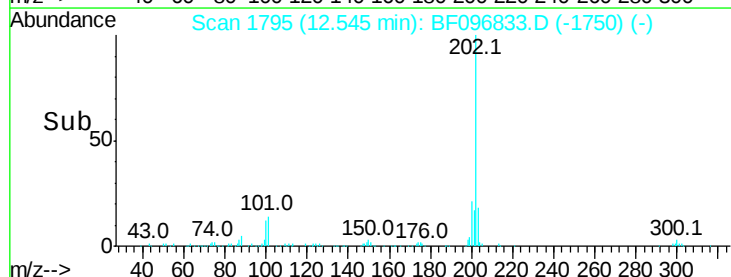
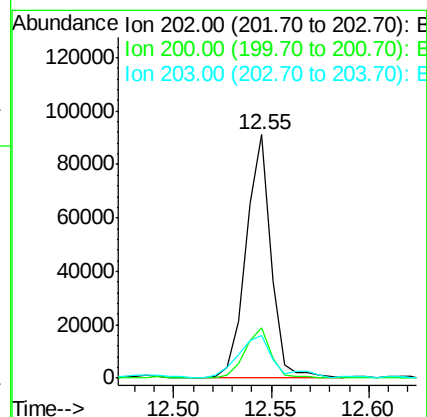
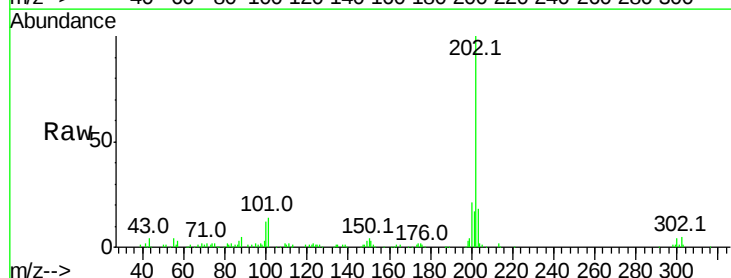
RT: 12.55 min Scan# 1795

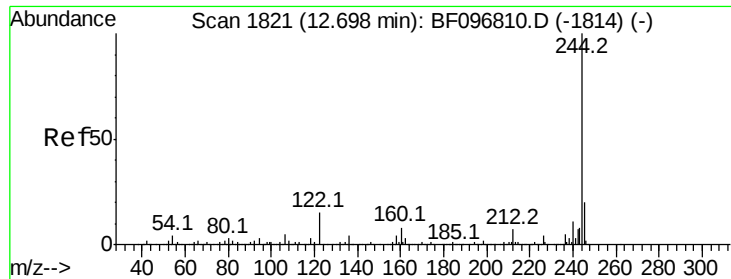
Delta R.T. -0.04 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	17.5	14.4	21.6





#78

Terphenyl-d14

Concen: 40.897 ng

RT: 12.70 min Scan# 1821

Delta R.T. -0.04 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Instrument :

BNA_F

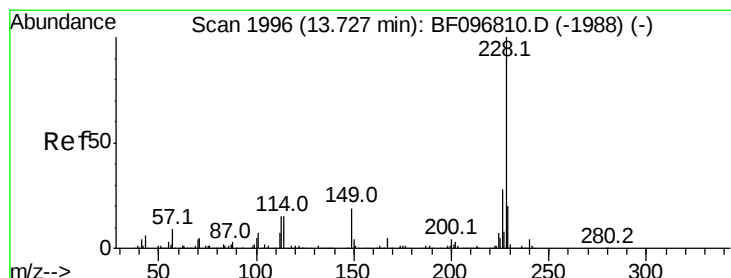
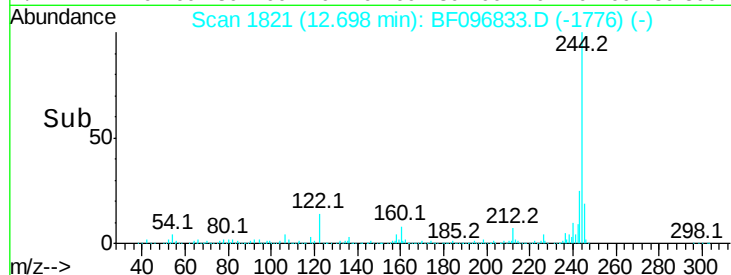
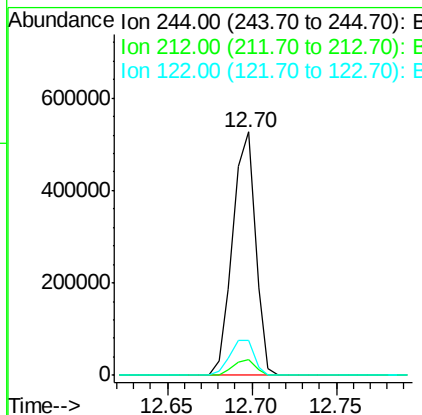
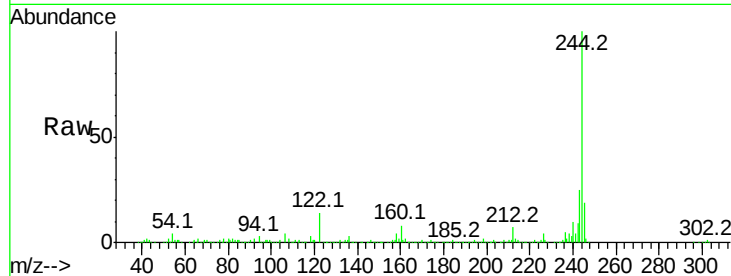
ClientSampleId :

VITALE-FILL-1A

Tot Ion:	244	Resp:	497237
Ion Ratio		Lower	Upper
244	100		
212	6.7	6.0	9.0
122	14.1	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 3.441 ng

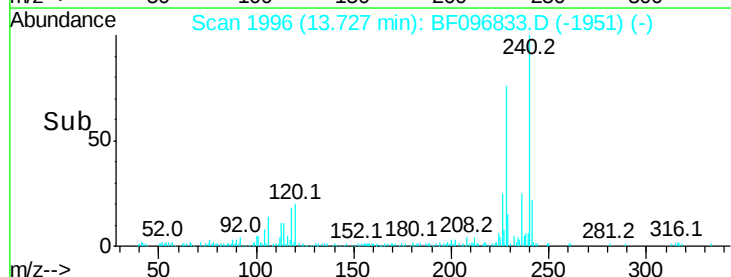
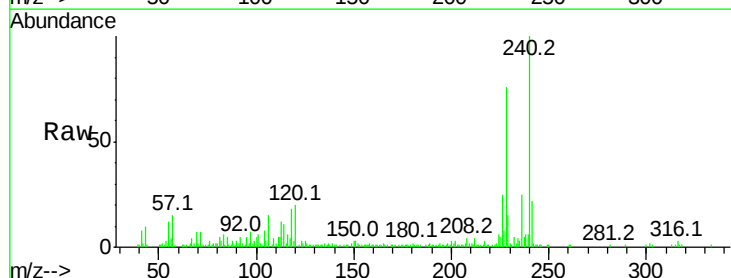
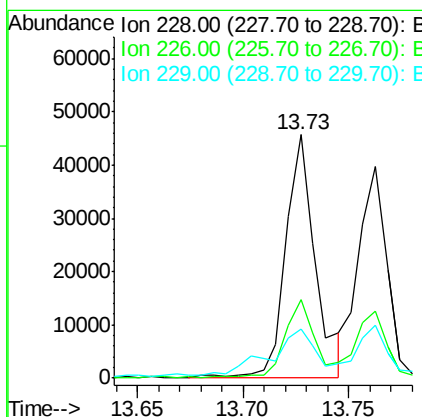
RT: 13.73 min Scan# 1996

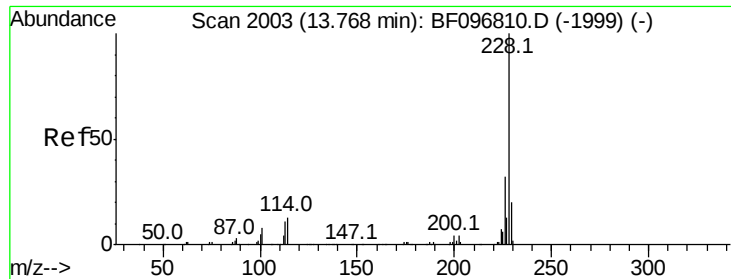
Delta R.T. -0.04 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Tgt Ion:	228	Resp:	45205
Ion Ratio		Lower	Upper
228	100		
226	32.5	22.6	33.8
229	20.0	16.3	24.5





#82

Chrysene

Concen: 2.947 ng/mL

RT: 13.76 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Instrument :

BNA_F

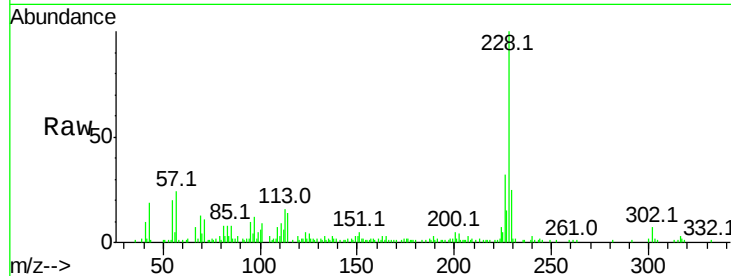
ClientSampleId :

VITALE-FILL-1A

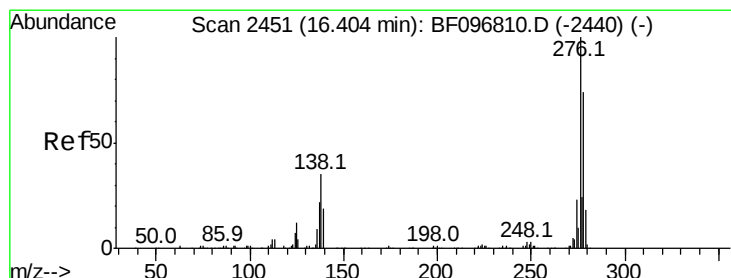
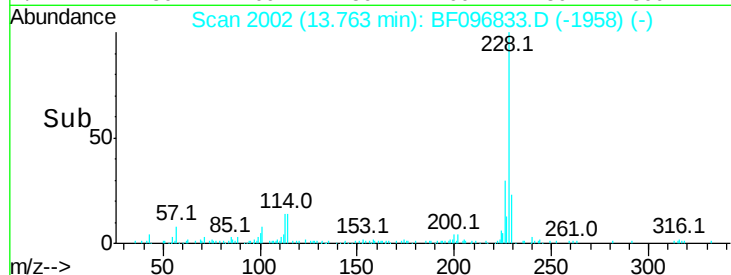
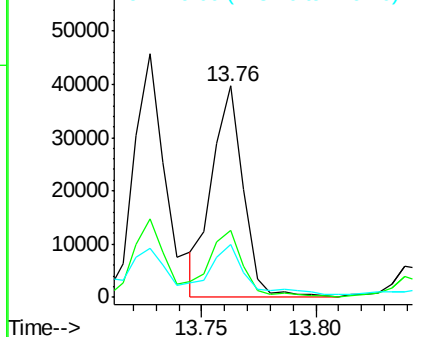
Tot Ion:	228	Resp:	38112
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.9	37.3
229	24.8	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.330 ng/mL

RT: 16.39 min Scan# 2449

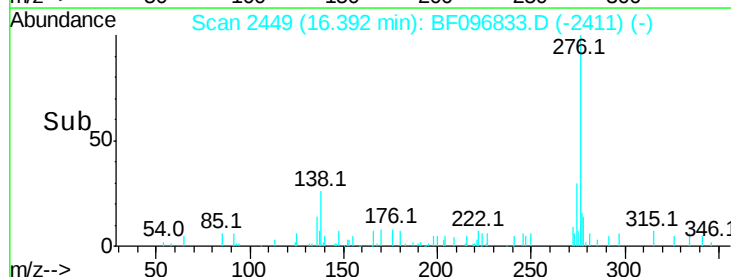
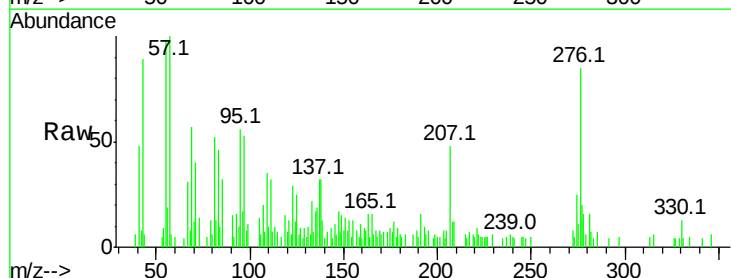
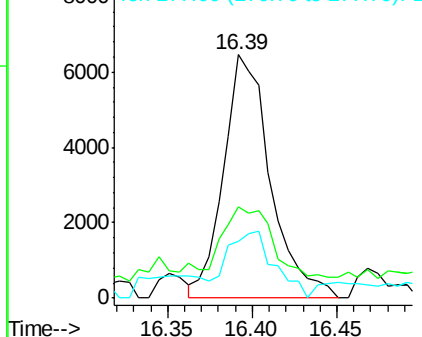
Delta R.T. -0.08 min

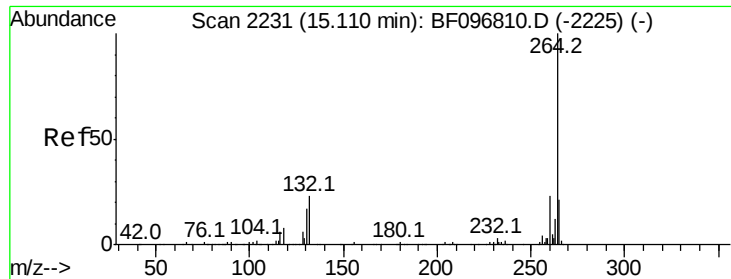
Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Tgt Ion:	276	Resp:	12455
Ion Ratio	Lower	Upper	
276	100		
138	32.6	27.8	41.6
277	27.2	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





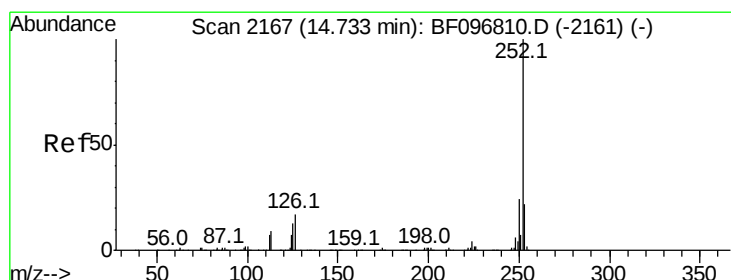
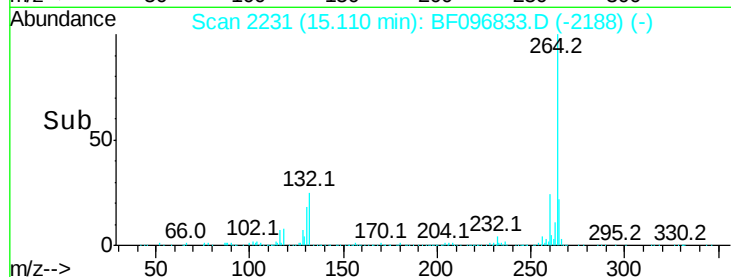
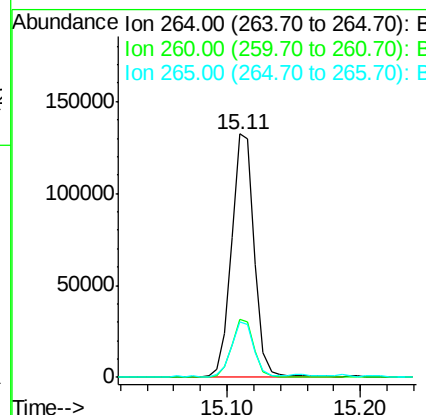
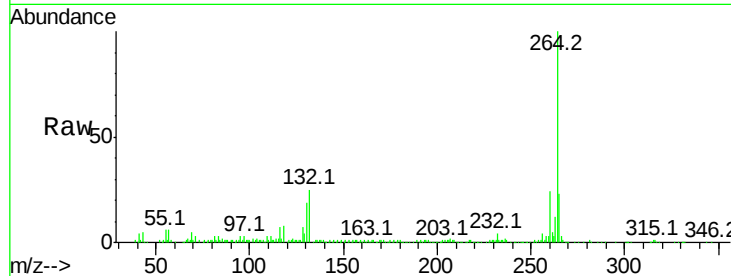
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.11 min Scan# 2231
Delta R.T. -0.05 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-1A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.6	17.2	25.8

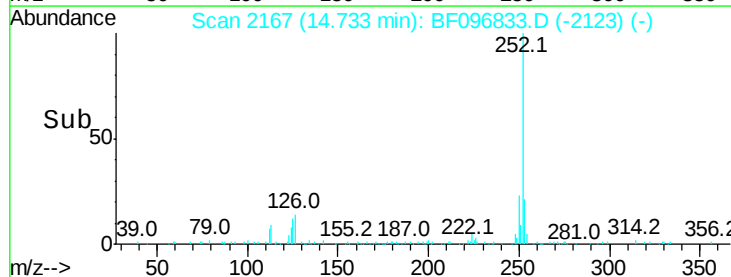
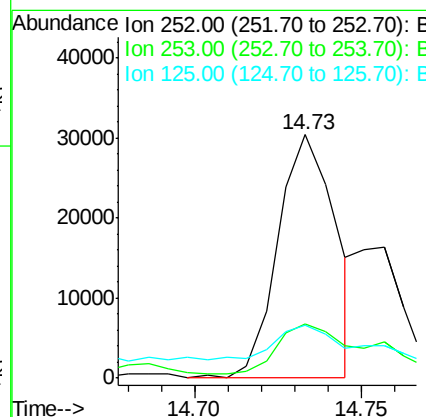
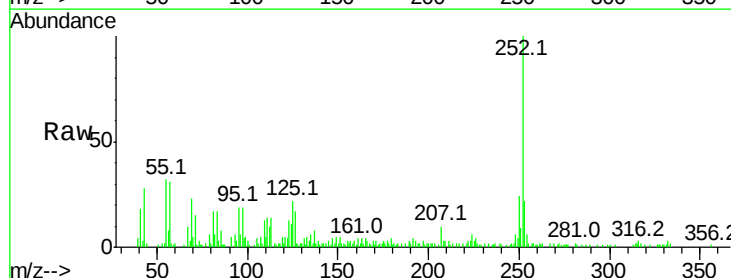
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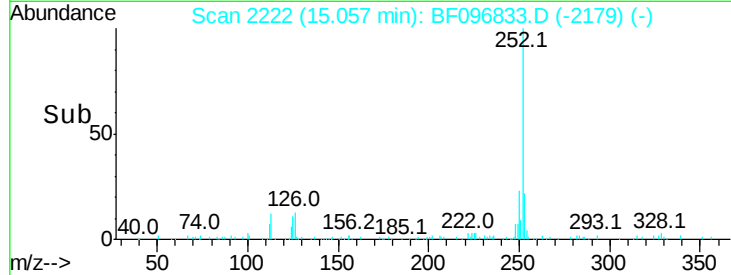
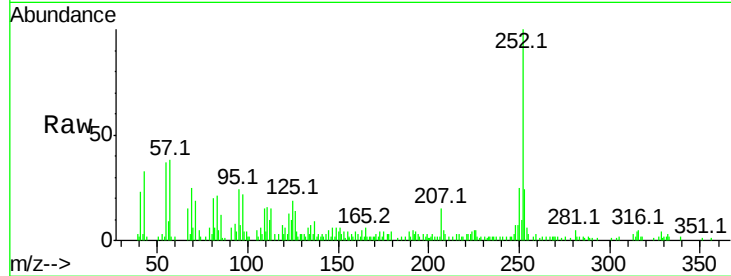
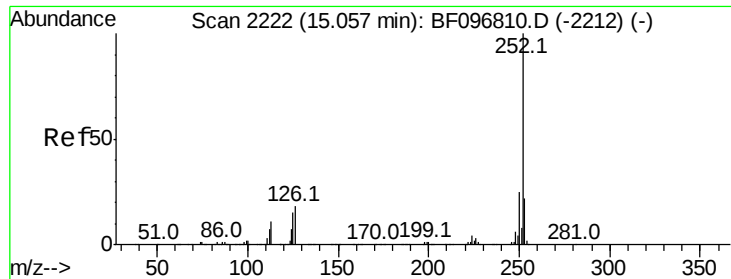
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#87
Benzo(b)fluoranthene
Concen: 3.811 ng m
RT: 14.73 min Scan# 2167
Delta R.T. -0.04 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	21.5	9.8	14.8





#89
Benzo(a)pyrene
Concen: 2.850 ng
RT: 15.06 min Scan# 2222
Delta R.T. -0.05 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-1A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	18.7	11.0	16.4

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