

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
 Data File : BF099923.D
 Acq On : 28 Oct 2017 17:58
 Operator : SJ/JU
 Sample : I6077-05 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILL-PILE-2-COMP-2

Manual Integrations
 APPROVED

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 10/30/2017 6:20:29 PM

Quant Time: Oct 30 03:48:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	102661	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	406601	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	170670	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	243819	20.00	ng	-0.02
75) Chrysene-d12	13.96	240	173892	20.00	ng	-0.03
86) Perylene-d12	15.43	264	197568	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	118099	18.06	ng	0.00
7) Phenol-d6	6.43	99	154896	19.98	ng	0.00
23) Nitrobenzene-d5	7.36	82	84982	13.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	22376	14.39	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	191584	17.32	ng	-0.02
78) Terphenyl-d14	12.89	244	105585	13.27	ng	-0.03
Target Compounds						
49) Dimethylphthalate	9.54	163	28447	2.105	ng	Qvalue # 99
70) Phenanthrene	11.34	178	201650	14.655	ng	98
71) Anthracene	11.39	178	43108	3.086	ng	96
74) Fluoranthene	12.53	202	254196	17.776	ng	96
77) Pyrene	12.76	202	215643	16.309	ng	98
80) Benzo(a)anthracene	13.95	228	108640	9.855	ng	97
82) Chrysene	13.99	228	99671	9.617	ng	99
85) Indeno(1,2,3-cd)pyrene	16.90	276	56520	5.941	ng	97
87) Benzo(b)fluoranthene	15.00	252	139919m	11.216	ng	
88) Benzo(k)fluoranthene	15.03	252	38727m	3.292	ng	
89) Benzo(a)pyrene	15.37	252	96988	8.655	ng	95
91) Benzo(a,h,i)perylene	17.34	276	51662	5.303	ng	92

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

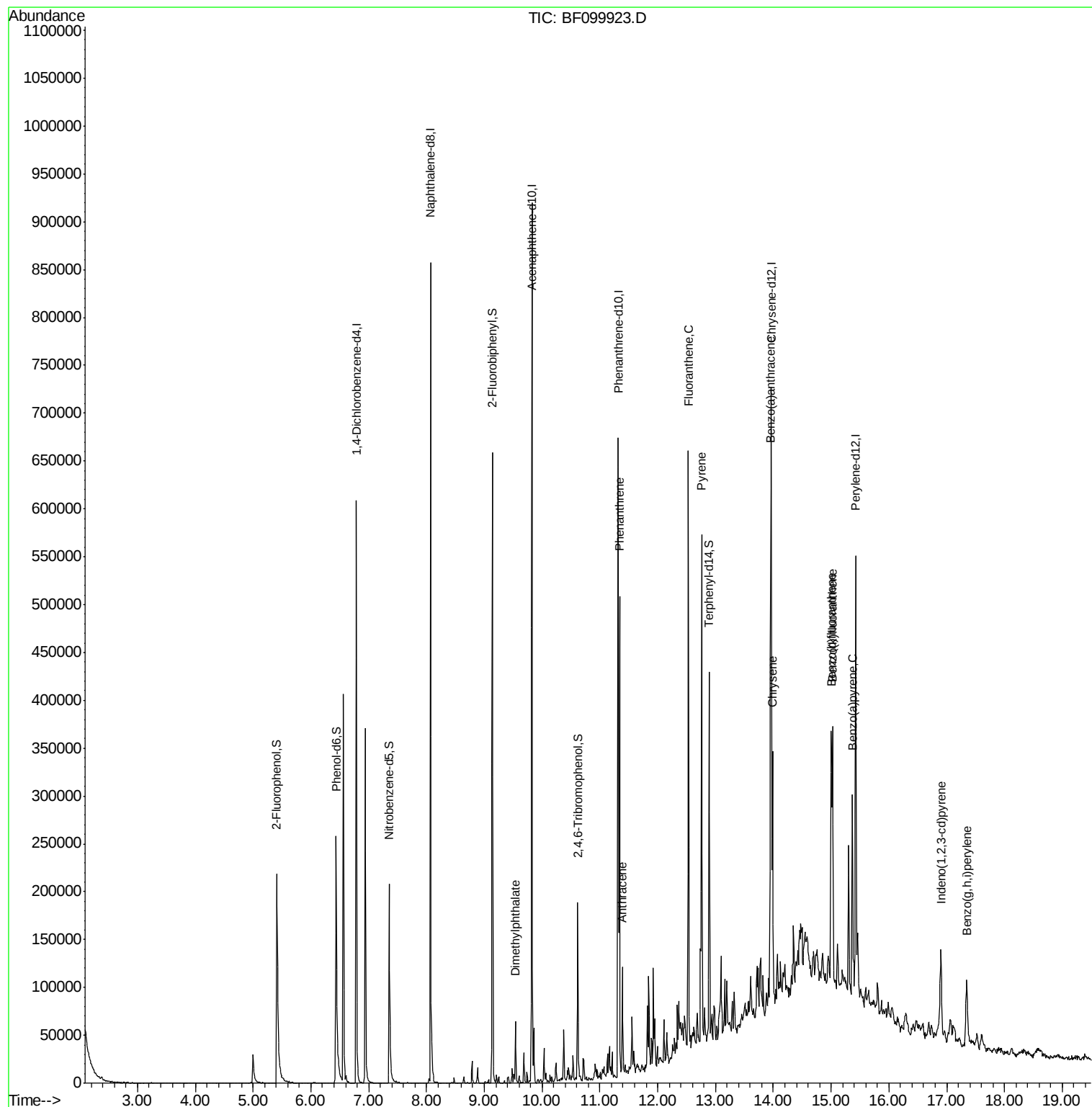
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099923.D
Acq On : 28 Oct 2017 17:58
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Sample : I6077-05 5X
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ALS Vial : 15 Sample Multiplier: 1

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FILL-PILE-2-COMP-2

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#1

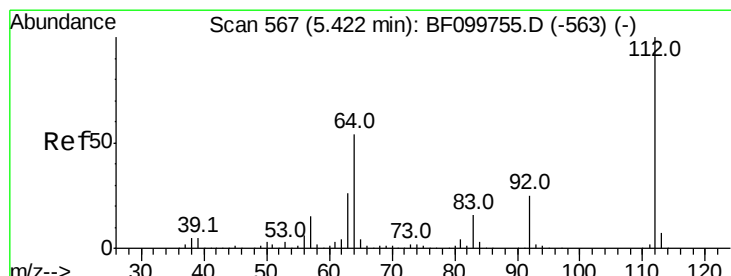
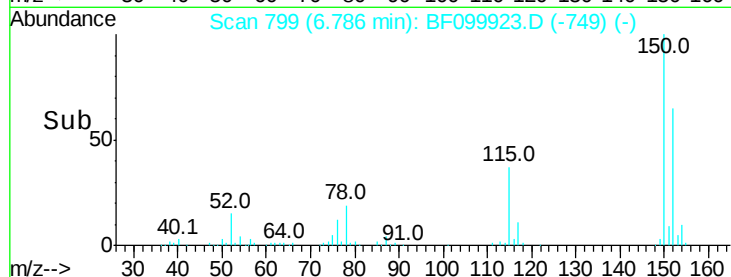
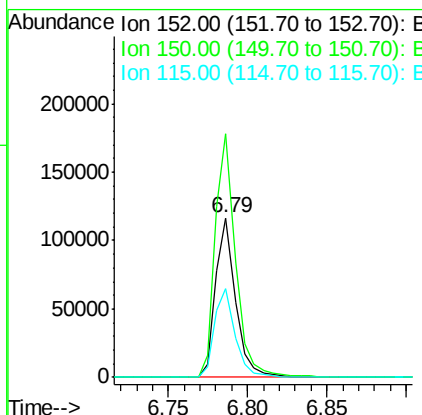
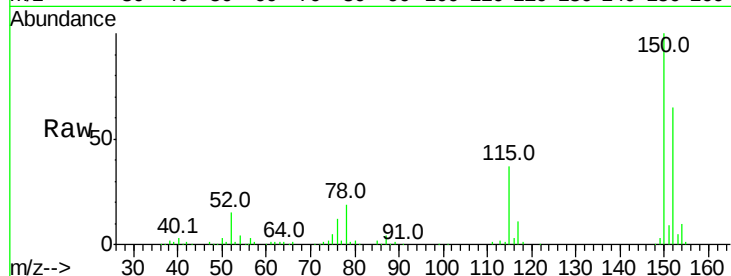
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099923.D
Acq: 28 Oct 2017 17:58

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.6	186.8
115	56.1	50.1	75.1

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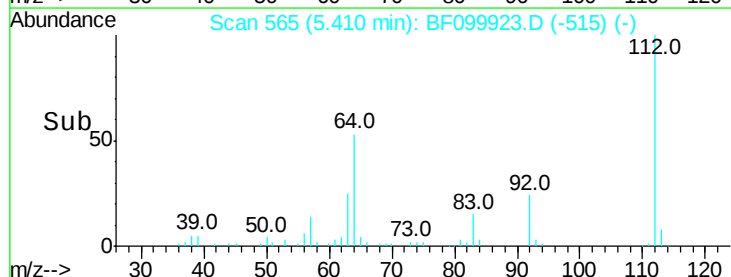
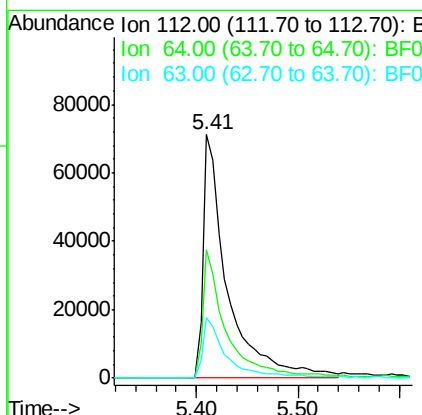
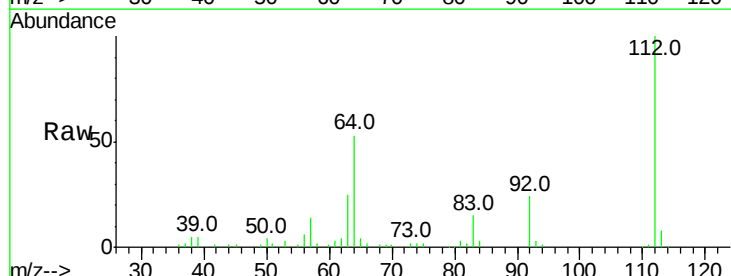
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#5

2-Fluorophenol
Concen: 18.061 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF099923.D
Acq: 28 Oct 2017 17:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	47.9	71.9
63	24.9	23.7	35.5





#7

Phenol-d6

Concen: 19.978 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099923.D

Acq: 28 Oct 2017 17:58

Instrument :

BNA_F

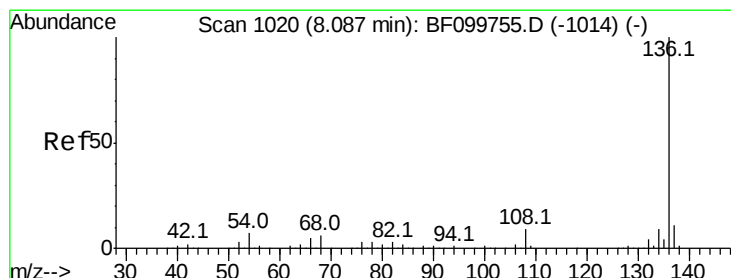
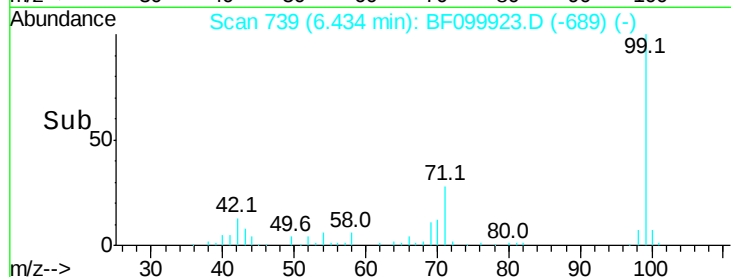
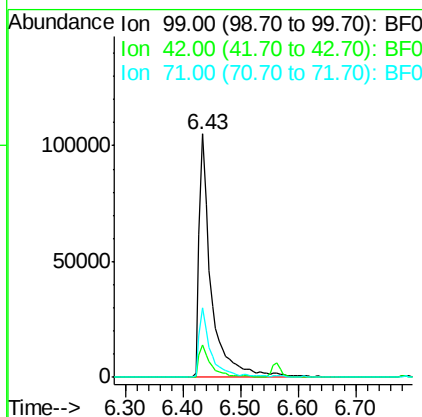
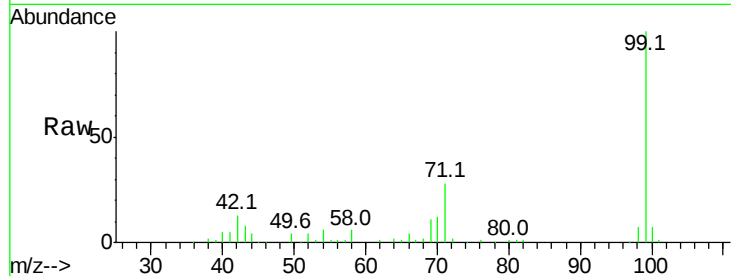
ClientSampleId :

FILL-PILE-2-COMP-2

Tot Ion:	99	Resp:	154896
Ion Ratio	Lower	Upper	
99	100		
42	13.4	14.5	21.7#
71	28.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

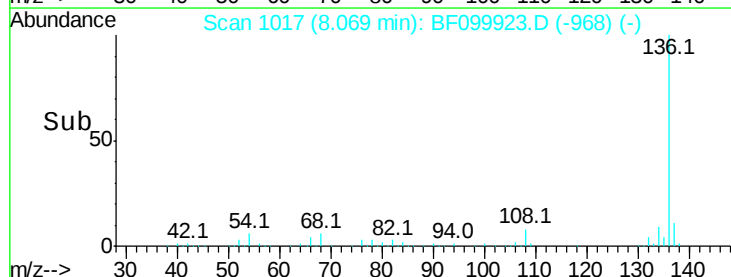
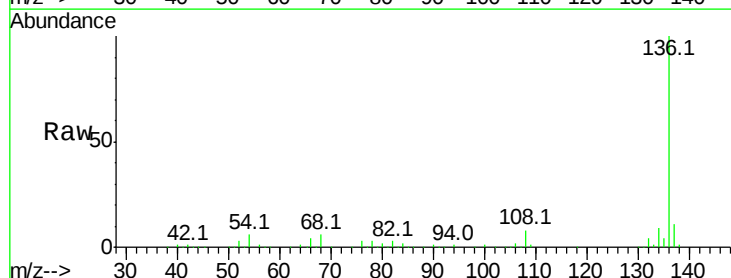
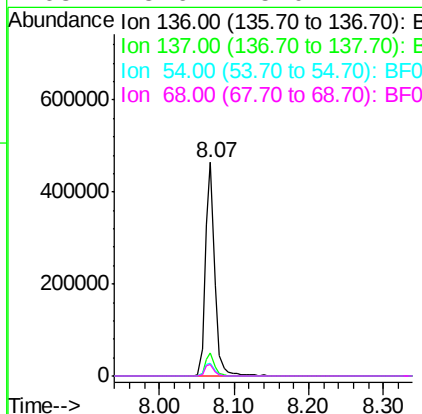
RT: 8.07 min Scan# 1017

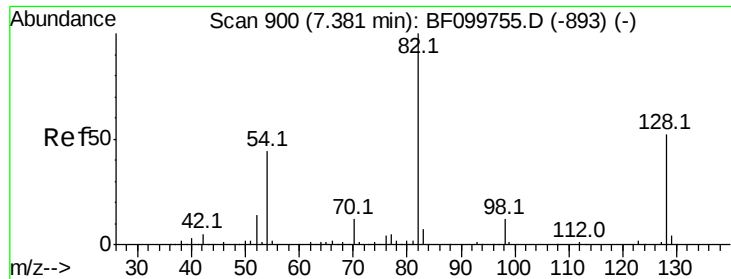
Delta R.T. -0.01 min

Lab File: BF099923.D

Acq: 28 Oct 2017 17:58

Tgt Ion:	136	Resp:	406601
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	6.2	6.6	9.8#
68	5.6	5.0	7.4





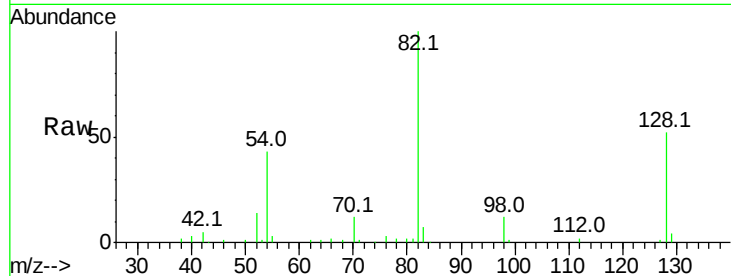
#23
Nitrobenzene-d5
Concen: 13.456 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF099923.D
Acq: 28 Oct 2017 17:58

Instrument :
BNA_F
ClientSampled :
FILL-PILE-2-COMP-2

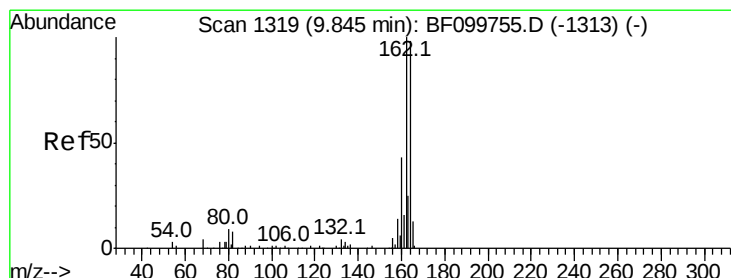
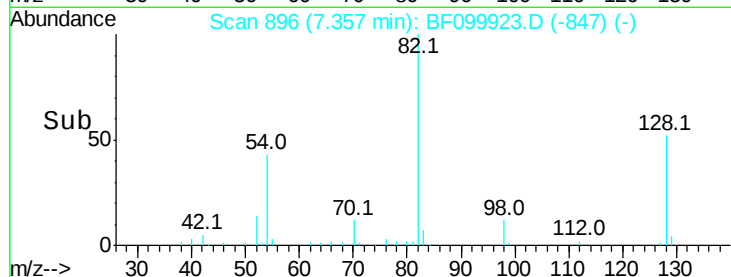
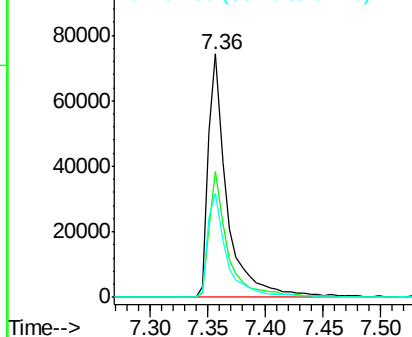
Tot Ion	Ratio	Lower	Upper
82	100		
128	51.9	36.1	54.1
54	42.9	41.4	62.2

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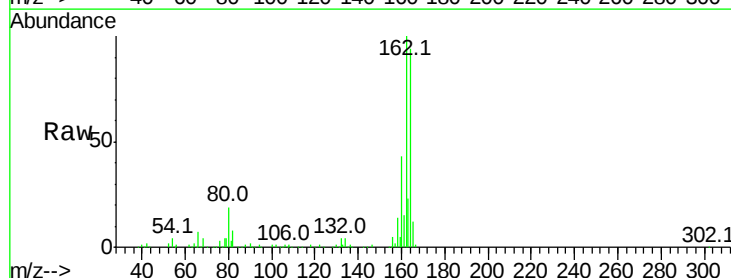


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

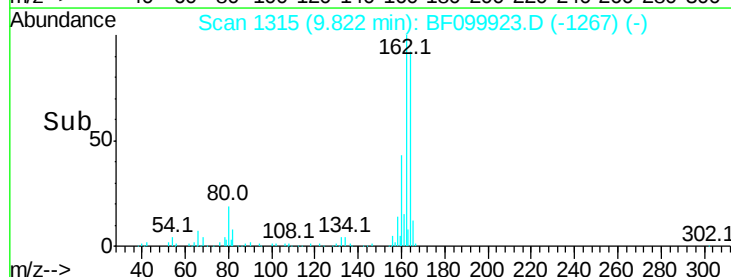
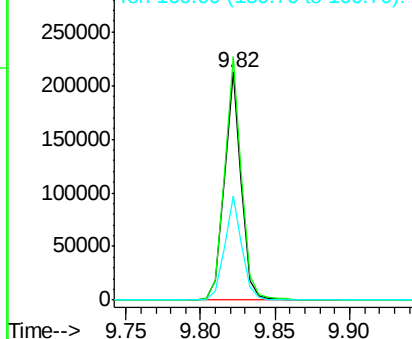


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF099923.D
Acq: 28 Oct 2017 17:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.8	86.1	129.1
160	45.9	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





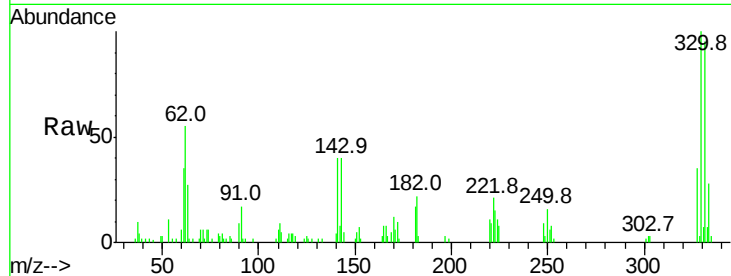
#41
 2,4,6-Tribromophenol
 Concen: 14.387 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.02 min
 Lab File: BF099923.D
 Acq: 28 Oct 2017 17:58

Instrument :
 BNA_F
 ClientSampleId :
 FILL-PILE-2-COMP-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	37.4	29.9	44.9

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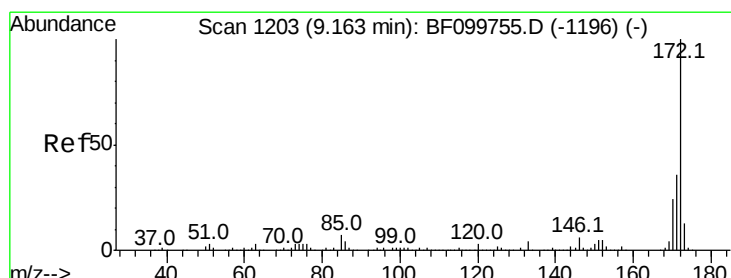
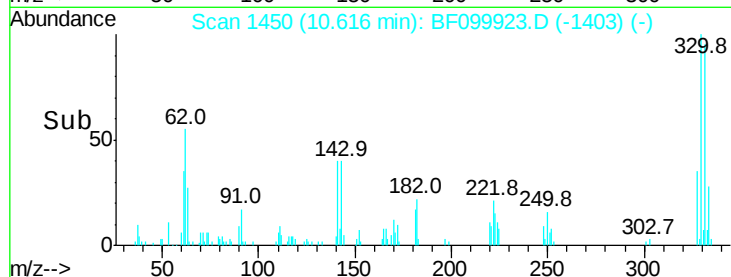
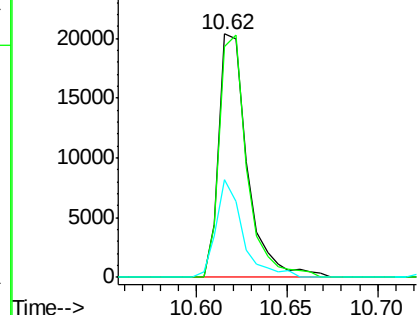


Abundance

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: 17.319 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: BF099923.D
 Acq: 28 Oct 2017 17:58

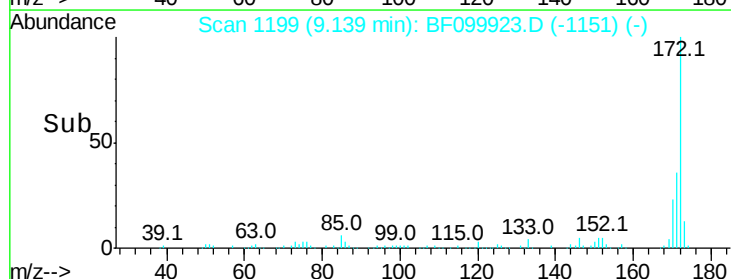
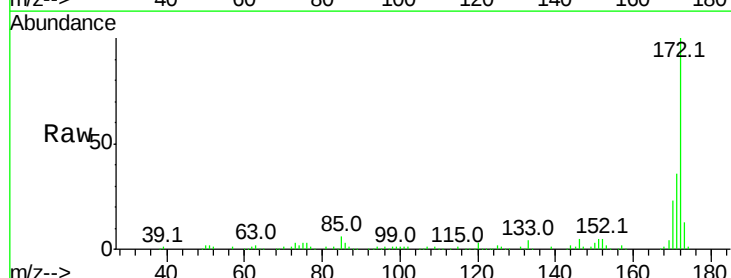
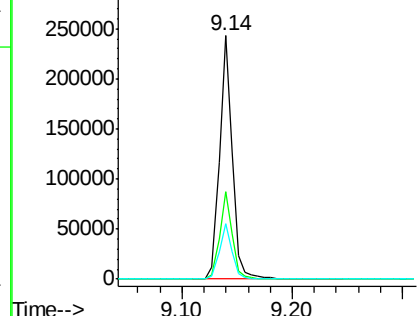
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	22.7	19.6	29.4

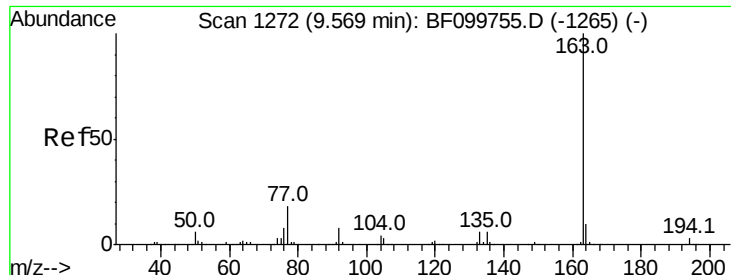
Abundance

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





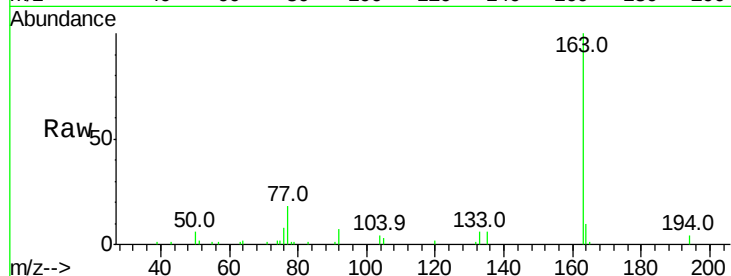
#49
Dimethylphthalate
Concen: 2.105 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF099923.D
Acq: 28 Oct 2017 17:58

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-2

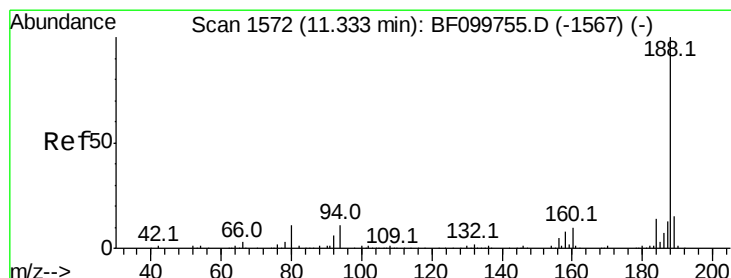
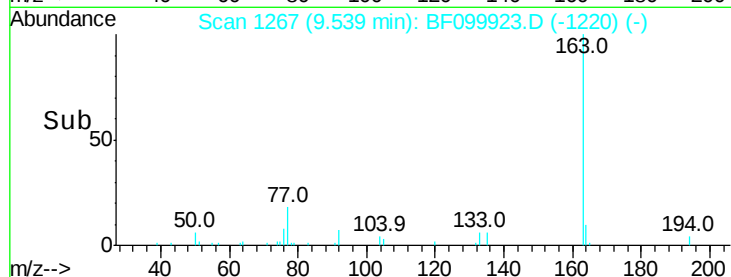
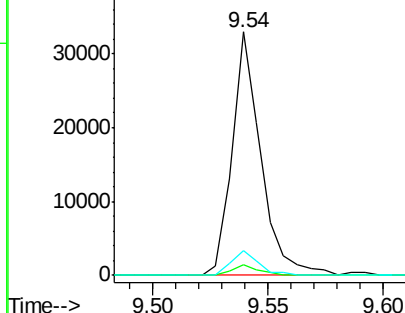
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	10.1	8.2	12.2

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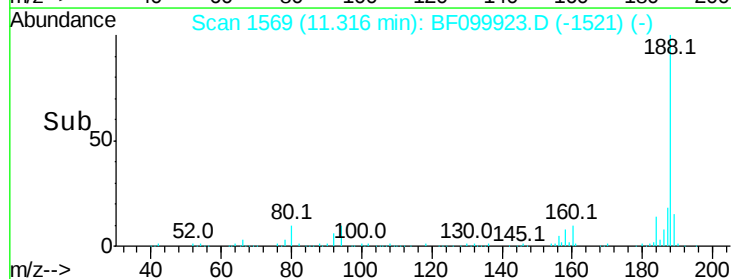
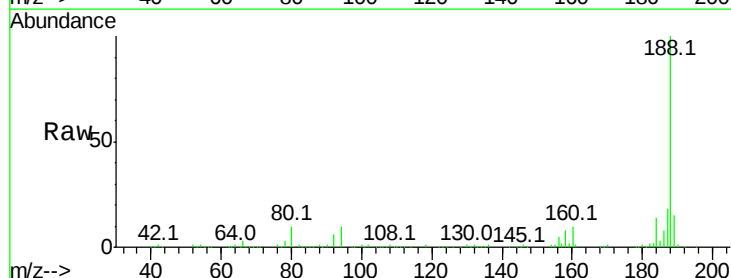
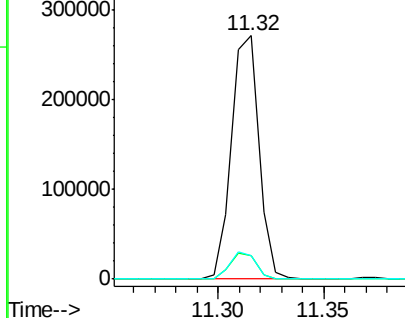
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

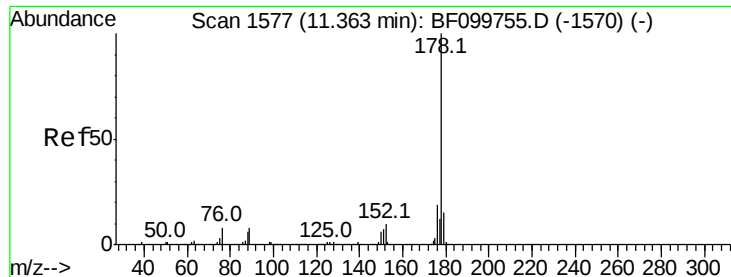


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF099923.D
Acq: 28 Oct 2017 17:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	9.9	9.2	13.8

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: 14.655 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.02 min

Lab File: BF099923.D

Acq: 28 Oct 2017 17:58

Instrument :

BNA_F

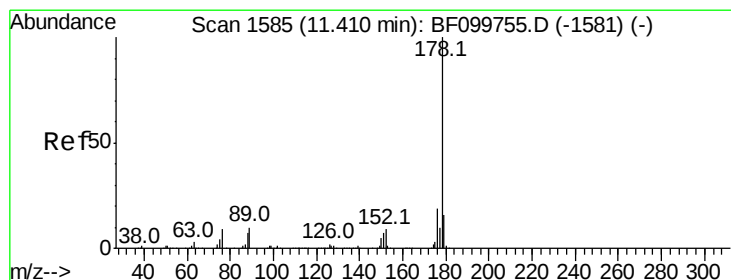
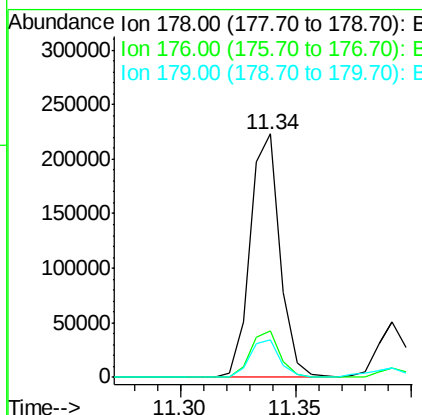
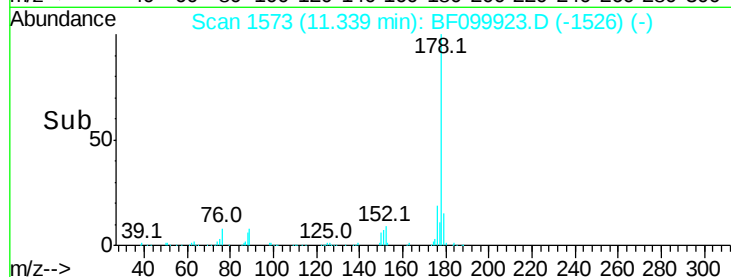
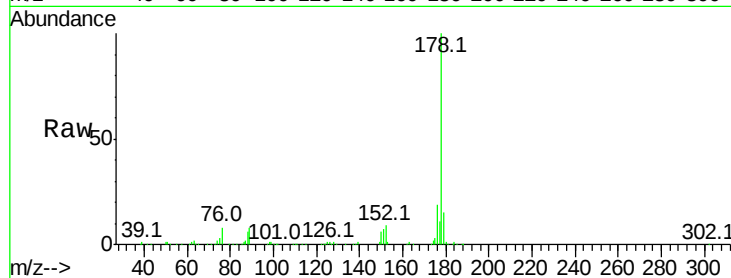
ClientSampleId :

FILL-PILE-2-COMP-2

Tot Ion:	178	Resp:	201650
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.8	23.8
179	15.4	13.0	19.6

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#71

Anthracene

Concen: 3.086 ng

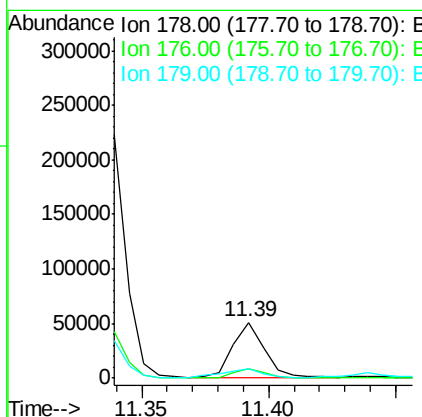
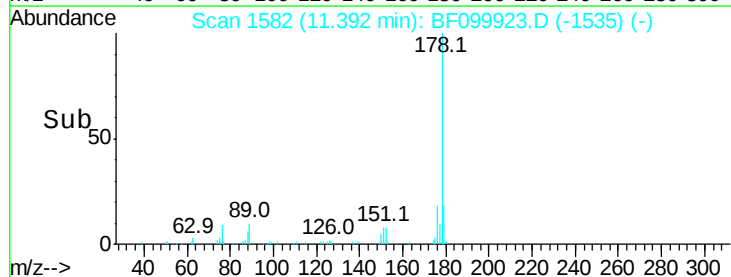
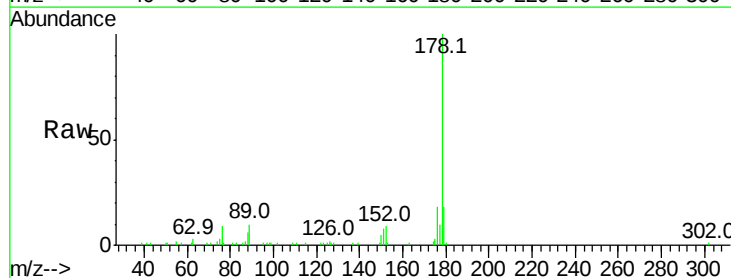
RT: 11.39 min Scan# 1582

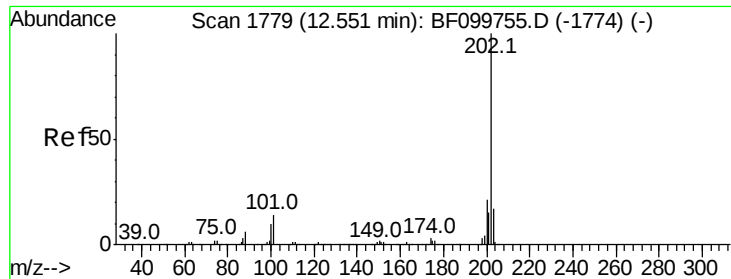
Delta R.T. -0.02 min

Lab File: BF099923.D

Acq: 28 Oct 2017 17:58

Tgt Ion:	178	Resp:	43108
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.2
179	17.8	12.6	19.0





#74

Fluoranthene

Concen: 17.776 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.02 min

Lab File: BF099923.D

Acq: 28 Oct 2017 17:58

Instrument :

BNA_F

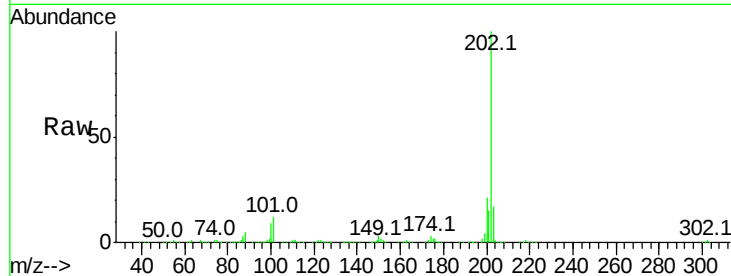
ClientSampleId :

FILL-PILE-2-COMP-2

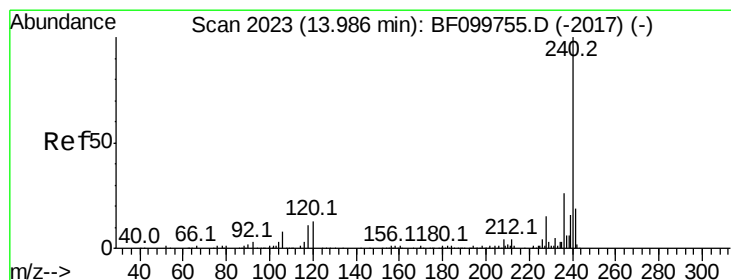
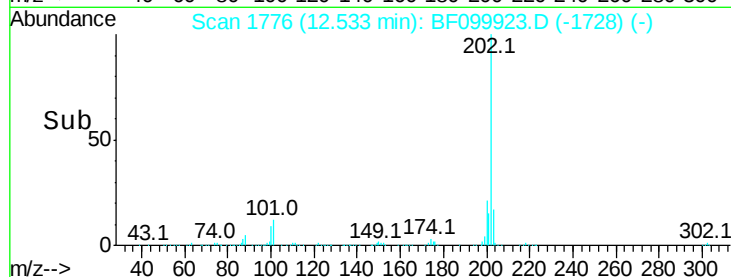
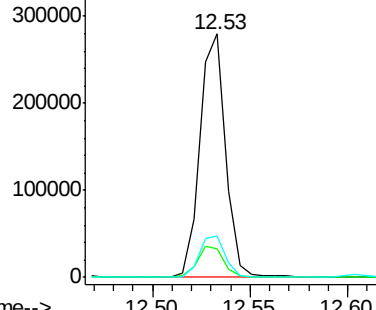
Tot Ion:	202	Resp:	254196
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
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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

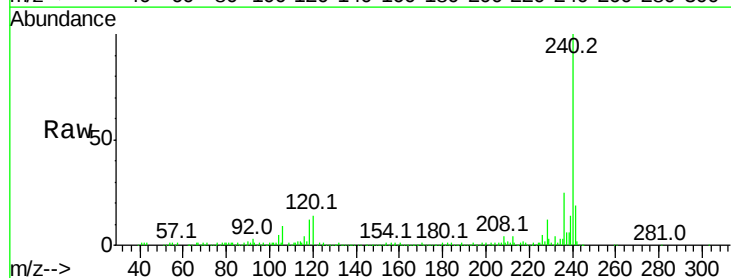
RT: 13.96 min Scan# 2019

Delta R.T. -0.03 min

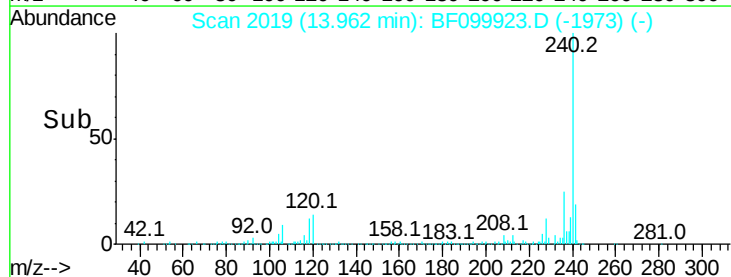
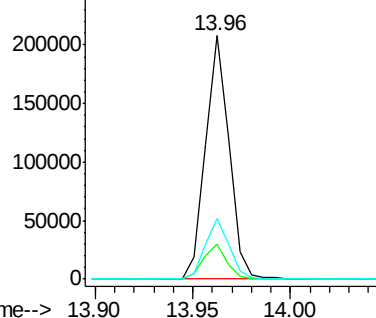
Lab File: BF099923.D

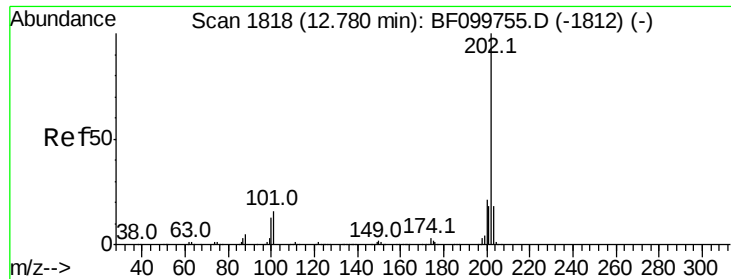
Acq: 28 Oct 2017 17:58

Tgt Ion:	240	Resp:	173892
Ion Ratio	Lower	Upper	
240	100		
120	14.4	9.5	14.3#
236	24.8	20.7	31.1



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





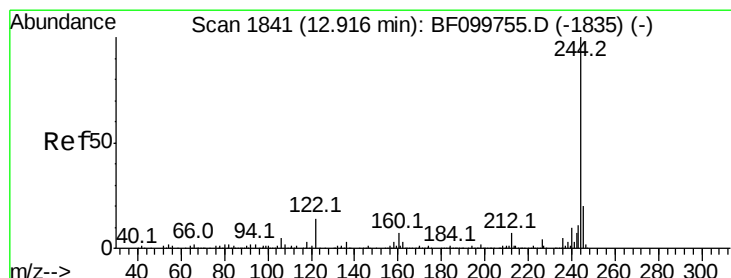
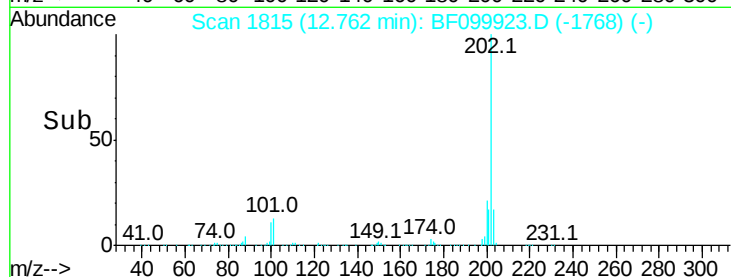
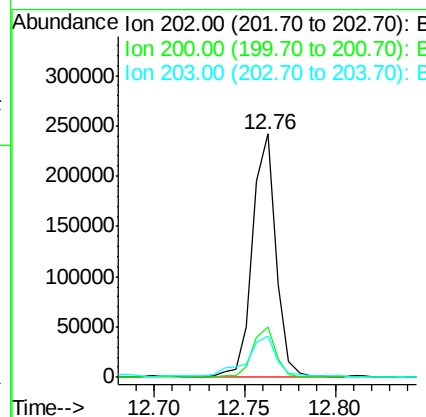
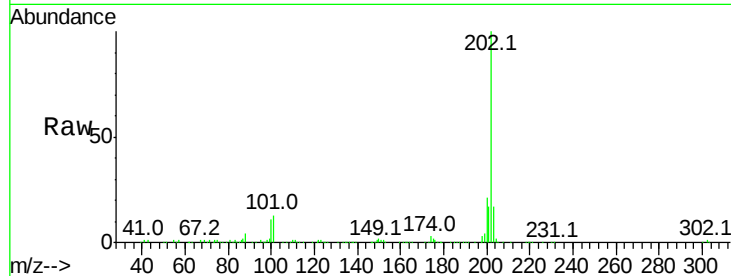
#77
Pvrene
Concen: 16.309 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BF099923.D
Acq: 28 Oct 2017 17:58

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.1	14.3	21.5

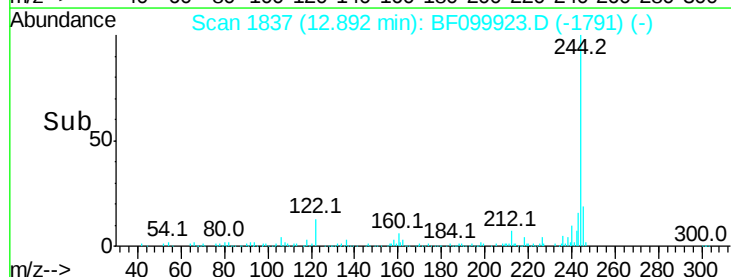
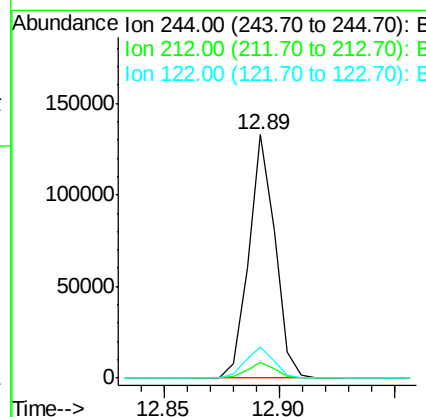
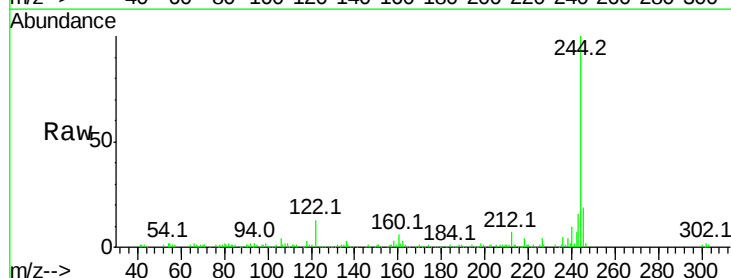
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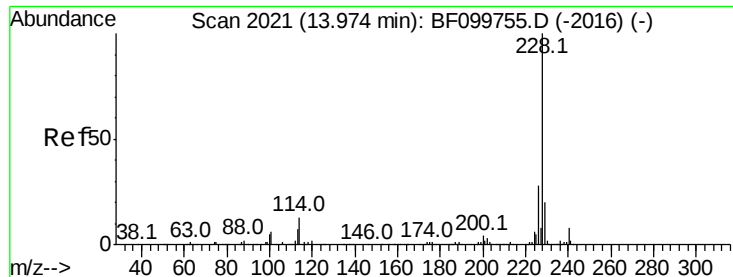
Sohil
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#78
Terphenyl-d14
Concen: 13.269 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.03 min
Lab File: BF099923.D
Acq: 28 Oct 2017 17:58

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.4	8.0
122	12.8	11.0	16.4





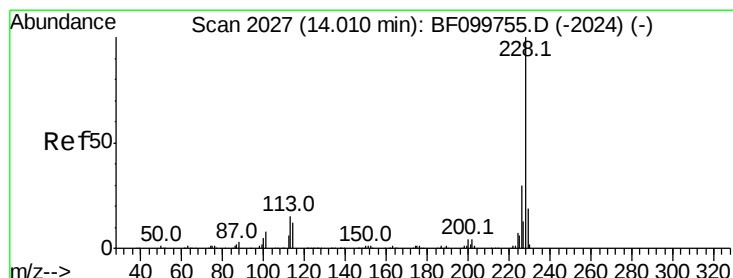
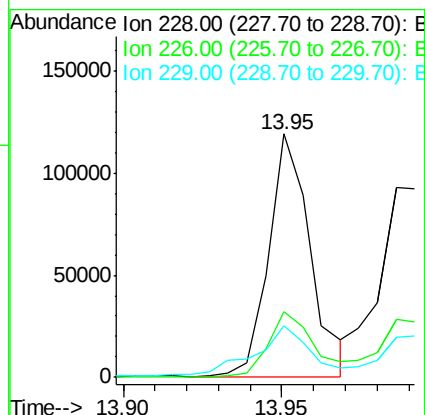
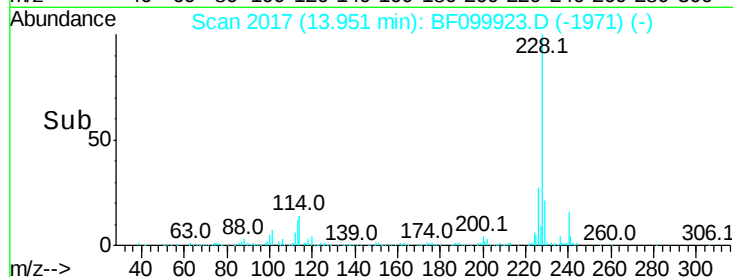
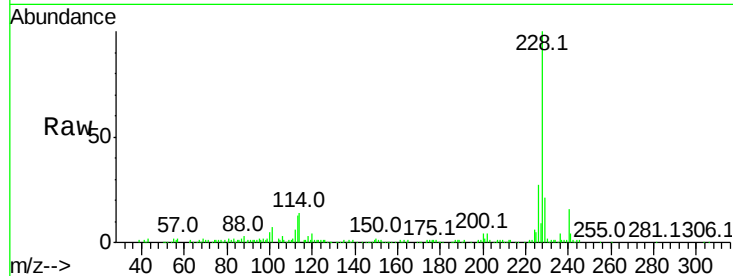
#80
Benzo(a)anthracene
Concen: 9.855 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.03 min
Lab File: BF099923.D
Acq: 28 Oct 2017 17:58

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-2

Tot Ion:	228	Resp:	108640
Ion Ratio	Lower	Upper	
228	100		
226	26.8	22.6	33.8
229	21.4	15.8	23.6

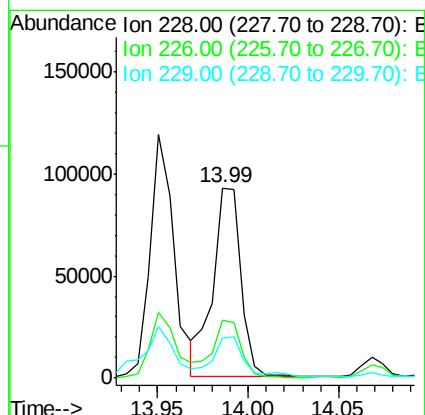
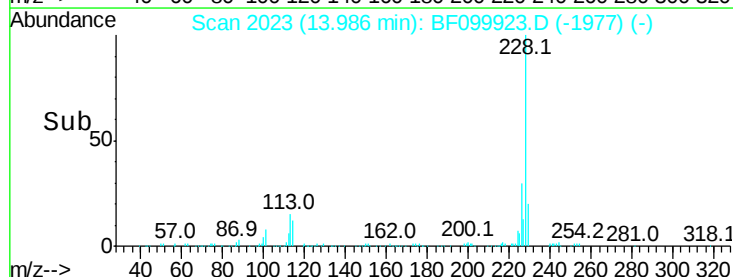
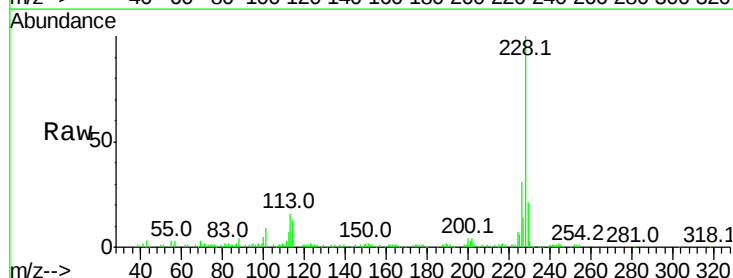
Manual Integrations
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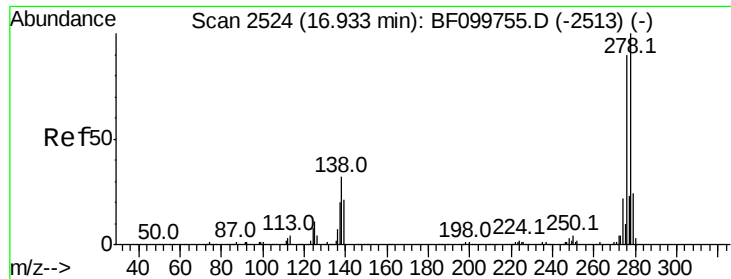
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#82
Chrysene
Concen: 9.617 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.03 min
Lab File: BF099923.D
Acq: 28 Oct 2017 17:58

Tgt Ion:	228	Resp:	99671
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	21.3	16.2	24.4





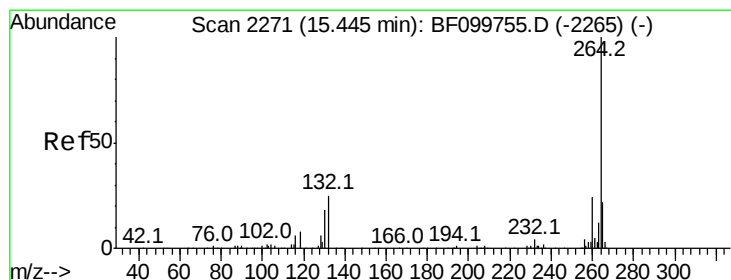
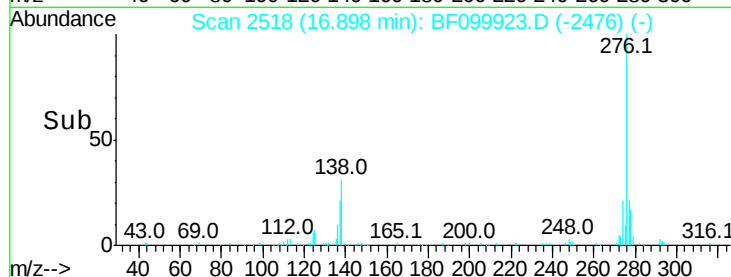
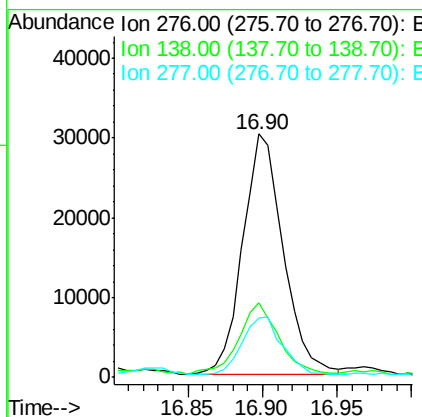
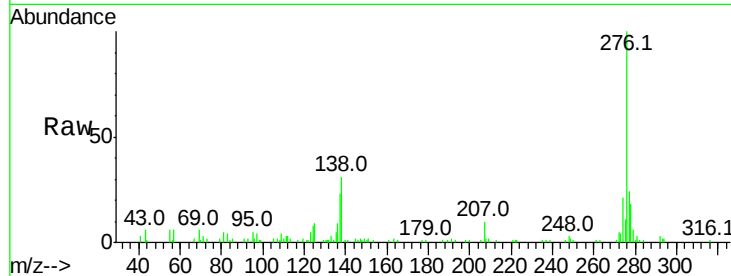
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.941 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.05 min
Lab File: BF099923.D
Acq: 28 Oct 2017 17:58

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.9	25.0	37.6
277	24.0	20.1	30.1

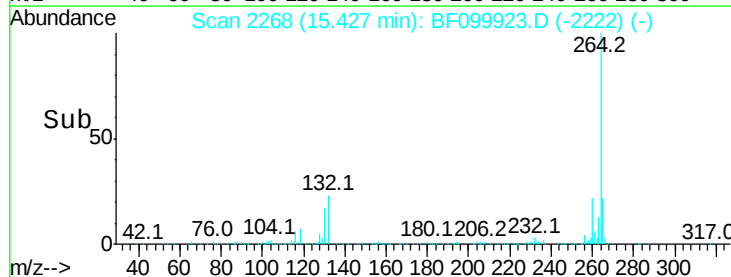
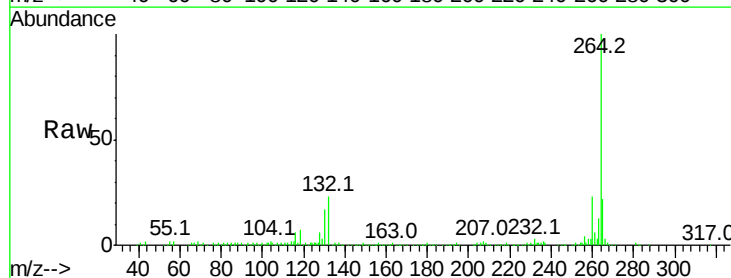
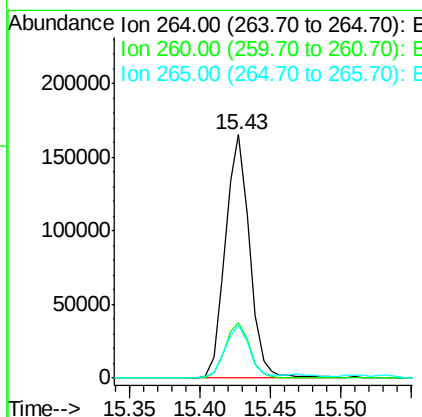
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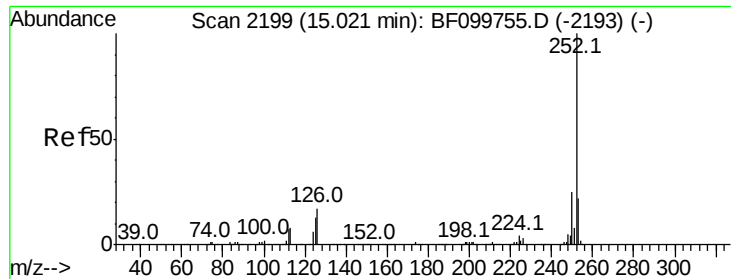
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.03 min
Lab File: BF099923.D
Acq: 28 Oct 2017 17:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 11.216 ng m

RT: 15.00 min Scan# 2196

Delta R.T. -0.03 min

Lab File: BF099923.D

Acq: 28 Oct 2017 17:58

Instrument :

BNA_F

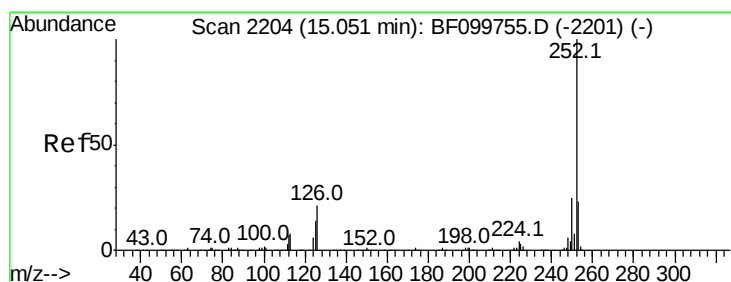
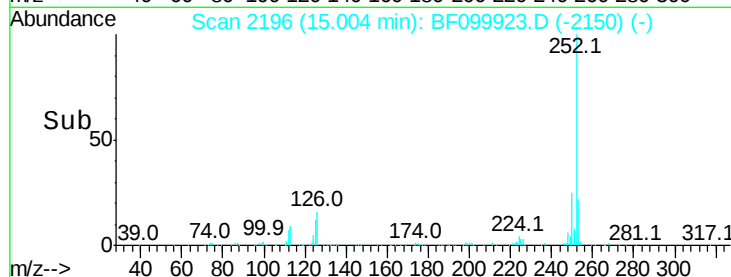
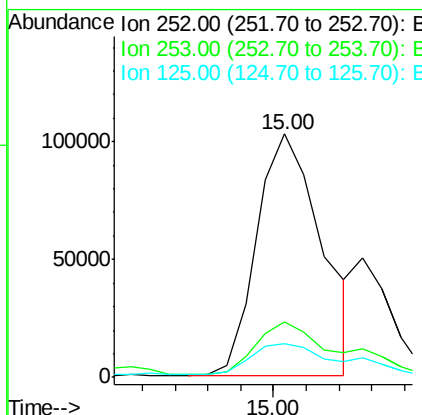
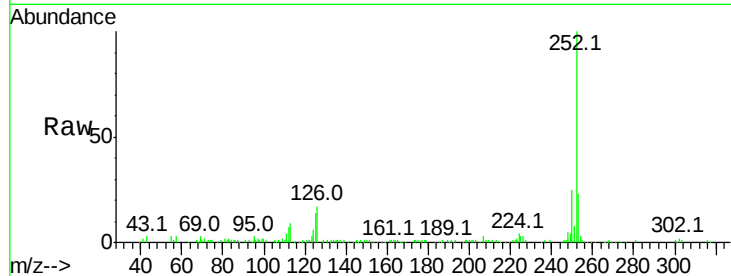
ClientSampleId :

FILL-PILE-2-COMP-2

Tot Ion:	252	Resp:	139919
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	13.9	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.292 ng m

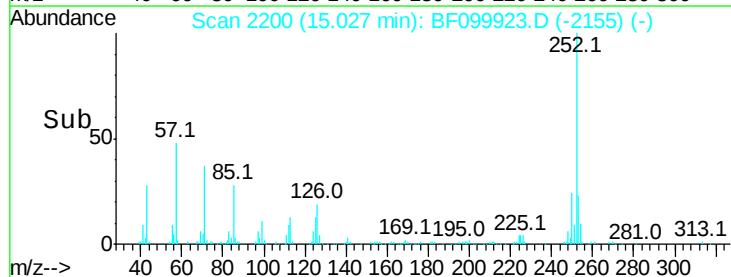
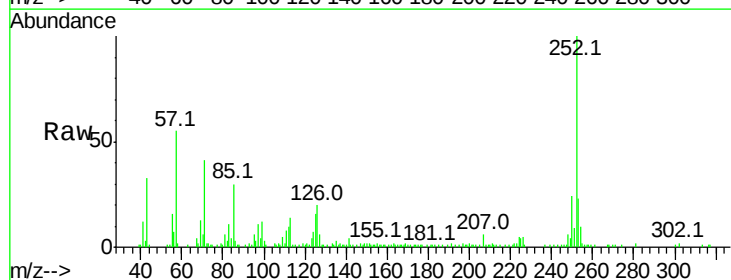
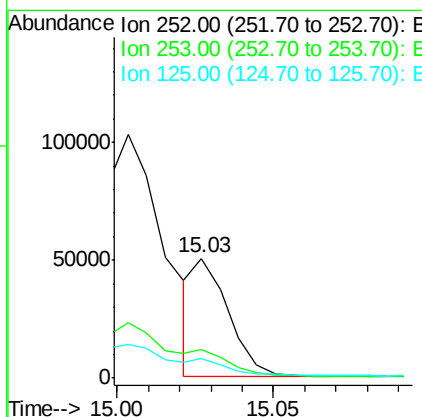
RT: 15.03 min Scan# 2200

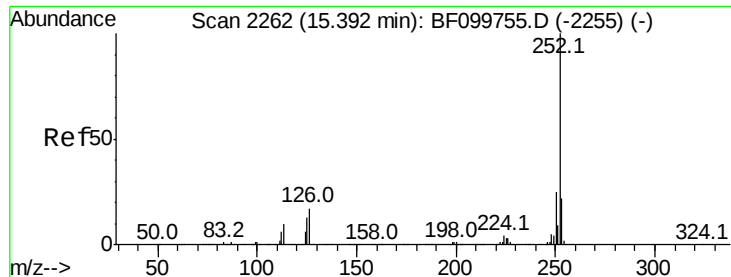
Delta R.T. -0.04 min

Lab File: BF099923.D

Acq: 28 Oct 2017 17:58

Tgt Ion:	252	Resp:	38727
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.9	26.9
125	15.9	10.2	15.2#





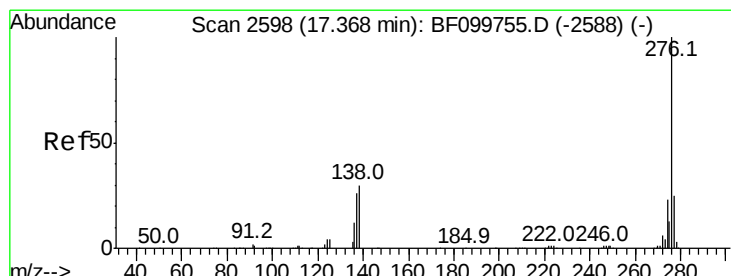
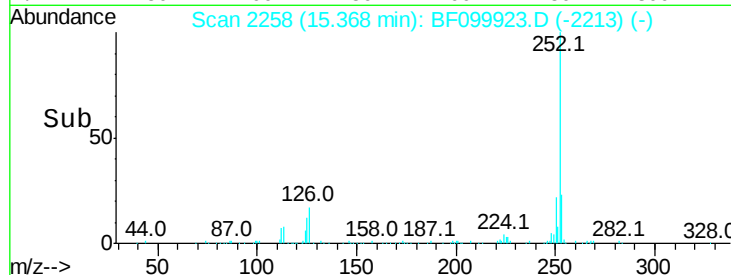
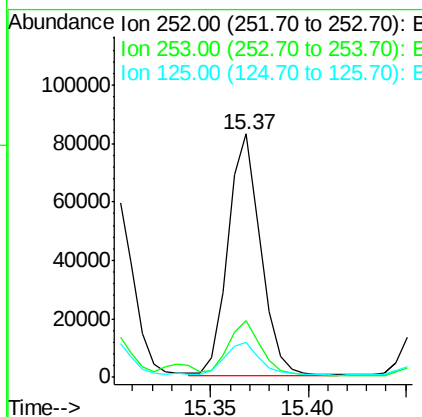
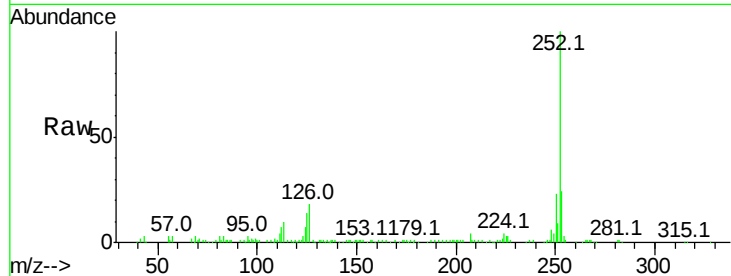
#89
Benzo(a)pyrene
Concen: 8.655 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF099923.D
Acq: 28 Oct 2017 17:58

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	14.5	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.303 ng
RT: 17.34 min Scan# 2594
Delta R.T. -0.05 min
Lab File: BF099923.D
Acq: 28 Oct 2017 17:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	17.9	26.9
138	31.3	21.8	32.8

