

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099960.D
 Acq On : 30 Oct 2017 15:35
 Operator : SJ/JU
 Sample : I6077-04 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILL-PILE-2-COMP-1

Manual Integrations
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Sohil
 10/31/2017 7:40:58 PM

Quant Time: Oct 30 16:48:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 30 16:10:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	115323	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	490301	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	233107	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	407575	20.00	ng	0.00
75) Chrysene-d12	13.97	240	249340	20.00	ng	0.00
86) Perylene-d12	15.46	264	190336	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	161694	22.01	ng	0.00
7) Phenol-d6	6.43	99	214714	24.65	ng	0.00
23) Nitrobenzene-d5	7.36	82	121902	16.01	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	53170	25.03	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	281708	18.65	ng	0.00
78) Terphenyl-d14	12.90	244	235825	20.67	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.86	154	41150	2.855	ng	94
54) Dibenzofuran	10.03	168	47261	2.323	ng	97
57) Fluorene	10.37	166	46277	2.747	ng	99
70) Phenanthrene	11.35	178	704861	30.644	ng	98
71) Anthracene	11.40	178	120560	5.164	ng	99
72) Carbazole	11.56	167	74046	3.373	ng	98
74) Fluoranthene	12.55	202	788617	32.991	ng	97
77) Pyrene	12.77	202	666577	35.158	ng	99
80) Benzo(a)anthracene	13.97	228	203224	12.857	ng	99
82) Chrysene	14.00	228	201497	13.560	ng	97
85) Indeno(1,2,3-cd)pyrene	16.95	276	90180	6.610	ng	94
87) Benzo(b)fluoranthene	15.03	252	210420m	17.508	ng	
88) Benzo(k)fluoranthene	15.06	252	72478m	6.395	ng	
89) Benzo(a)pyrene	15.40	252	126262	11.695	ng	98
91) Benzo(a,h,i)perylene	17.40	276	94129	10.029	ng	94

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

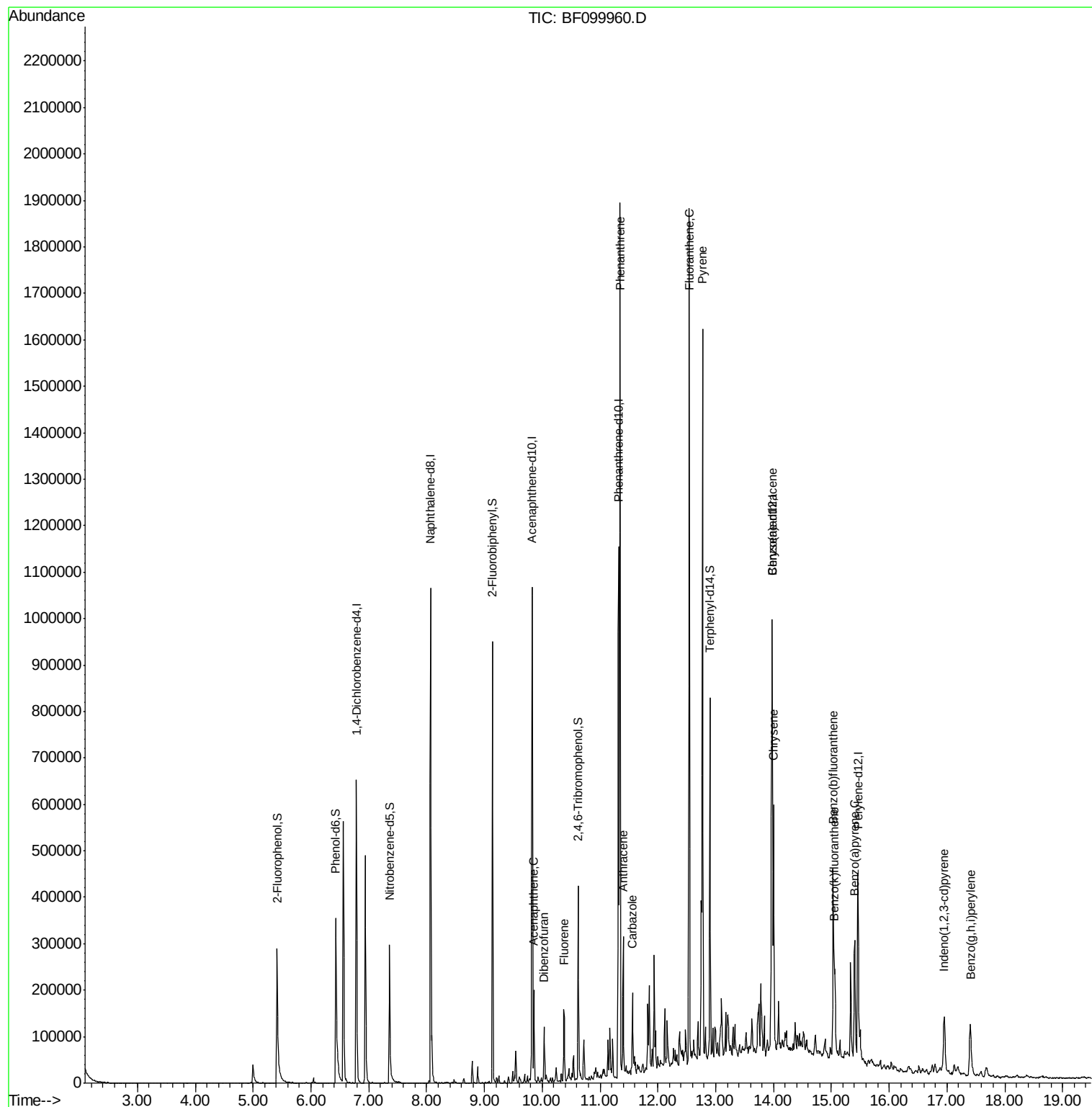
Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
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Sample : I6077-04 5X
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ALS Vial : 11 Sample Multiplier: 1

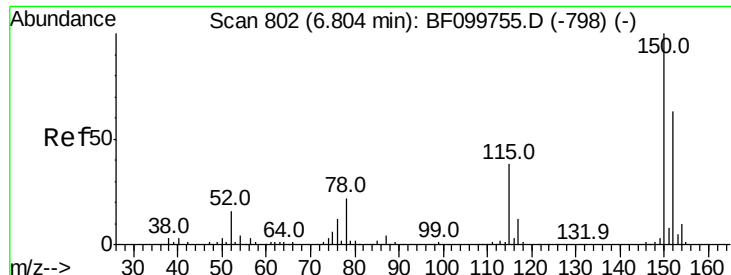
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
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#1

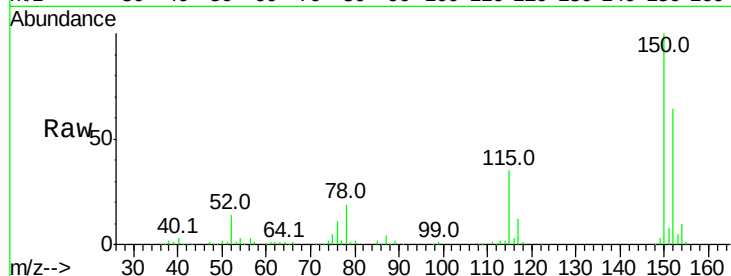
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF099960.D
Acq: 30 Oct 2017 15:35

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	186.8
115	55.7	50.1	75.1

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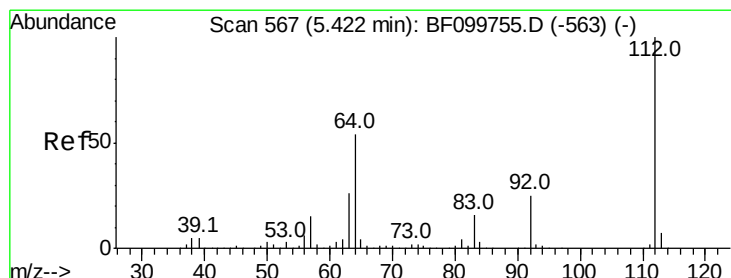
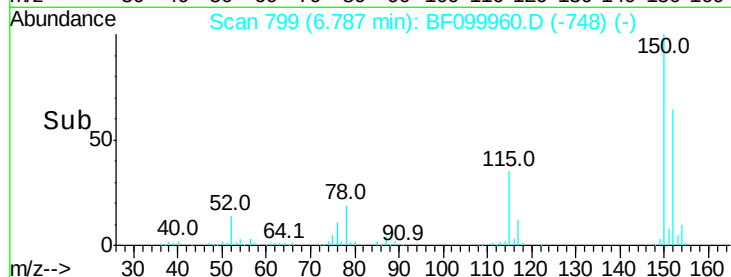
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

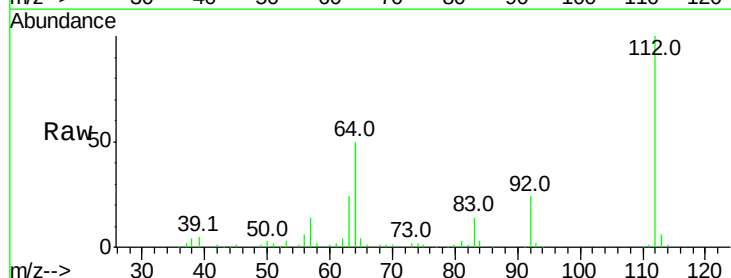
Time-->



#5

2-Fluorophenol
Concen: 22.012 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF099960.D
Acq: 30 Oct 2017 15:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	47.9	71.9
63	24.0	23.7	35.5



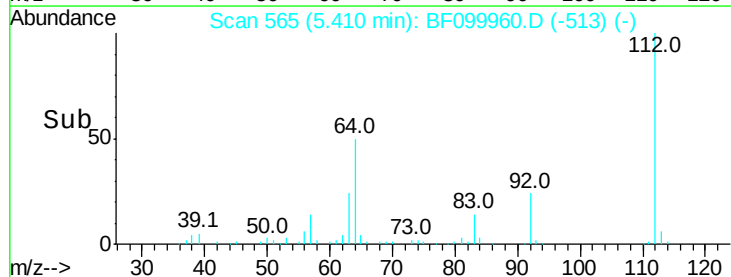
Abundance

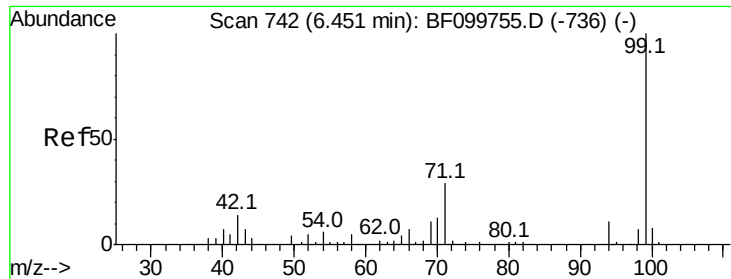
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 24.652 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF099960.D

Acq: 30 Oct 2017 15:35

Instrument :

BNA_F

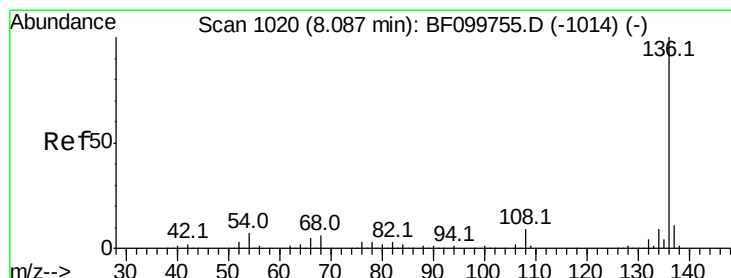
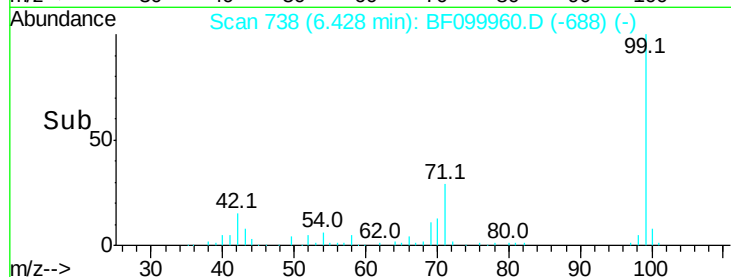
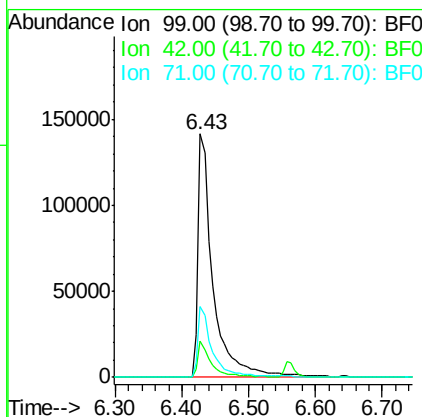
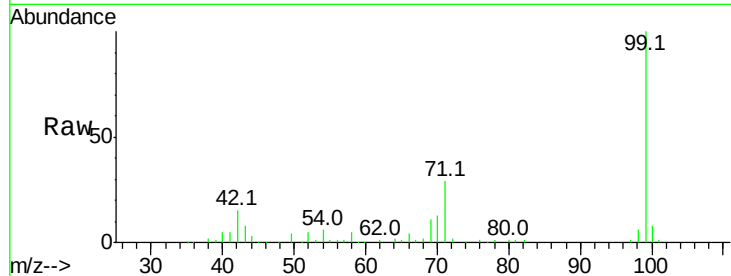
ClientSampleId :

FILL-PILE-2-COMP-1

Tot Ion:	99	Resp:	214714
Ion Ratio	Lower	Upper	
99	100		
42	14.7	14.5	21.7
71	29.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

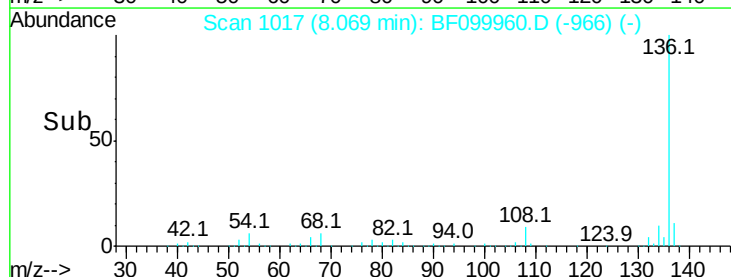
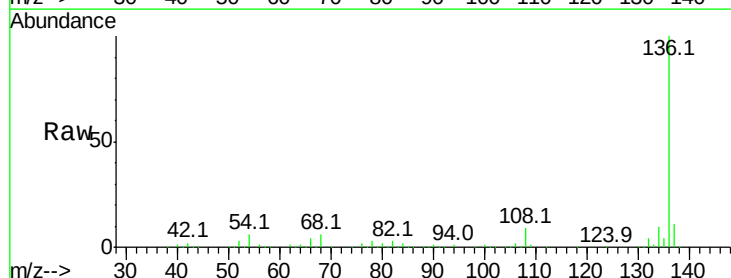
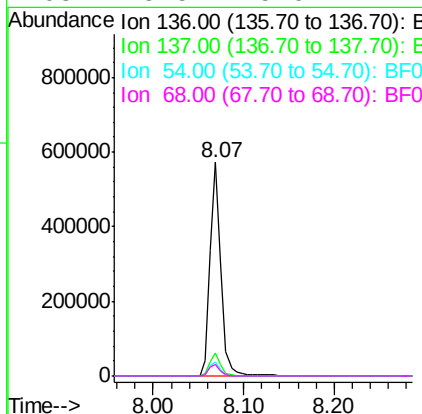
RT: 8.07 min Scan# 1017

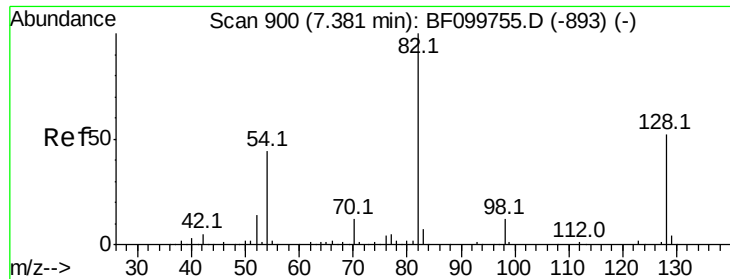
Delta R.T. 0.00 min

Lab File: BF099960.D

Acq: 30 Oct 2017 15:35

Tgt Ion:	136	Resp:	490301
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	6.5	6.6	9.8#
68	5.5	5.0	7.4





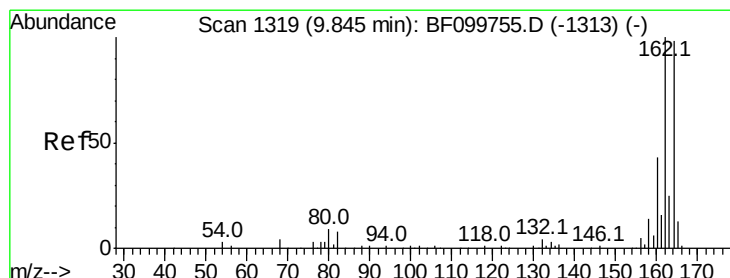
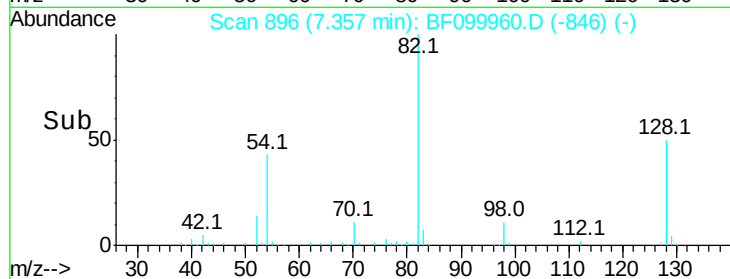
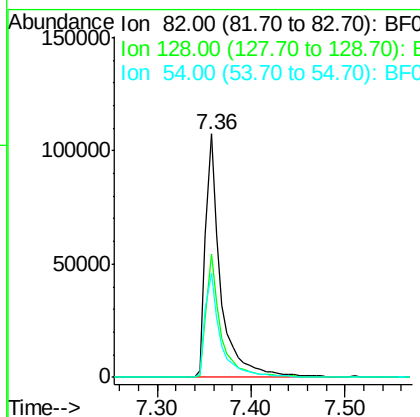
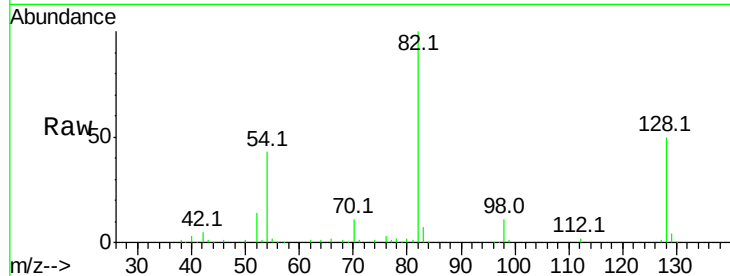
#23
 Nitrobenzene-d5
 Concen: 16.007 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF099960.D
 Acq: 30 Oct 2017 15:35

Instrument :
 BNA_F
 ClientSampleId :
 FILL-PILE-2-COMP-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.4	36.1	54.1
54	42.9	41.4	62.2

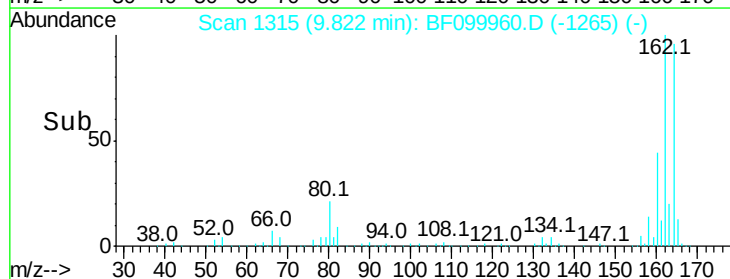
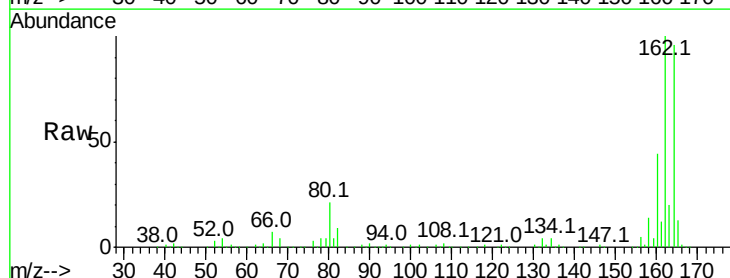
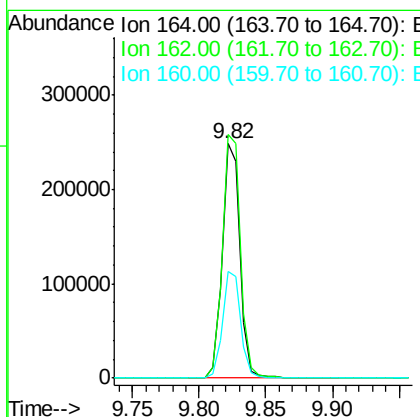
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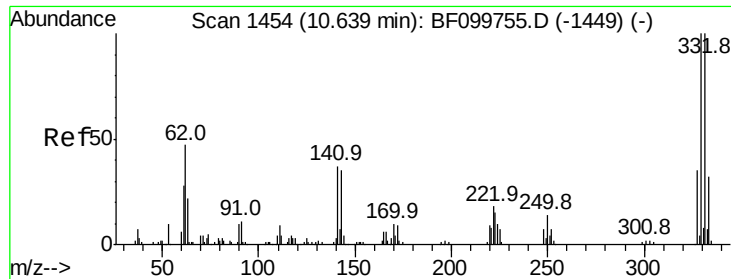
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF099960.D
 Acq: 30 Oct 2017 15:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	45.3	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 25.029 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF099960.D

Acq: 30 Oct 2017 15:35

Instrument :

BNA_F

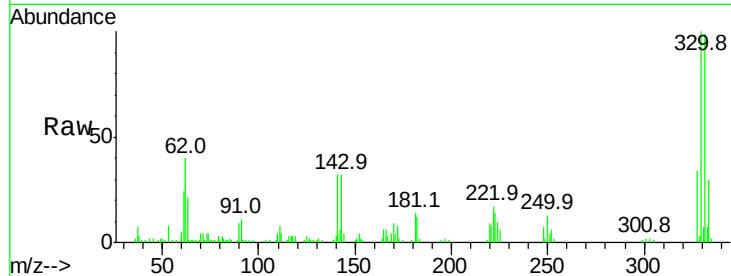
ClientSampleId :

FILL-PILE-2-COMP-1

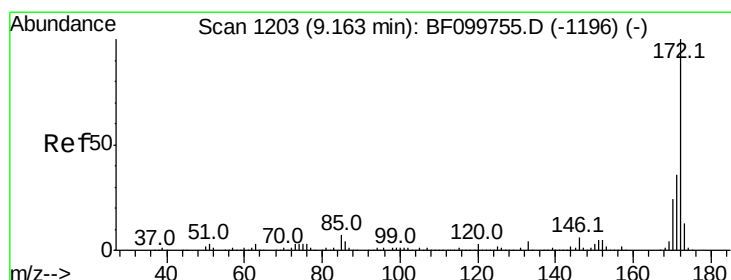
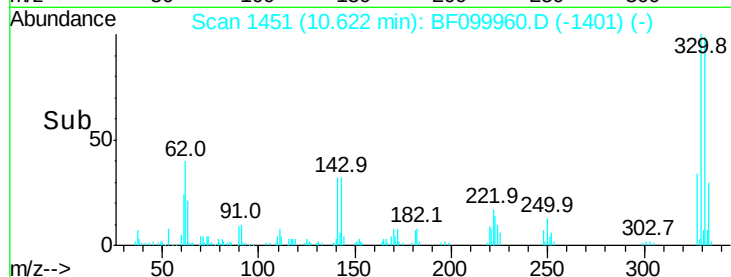
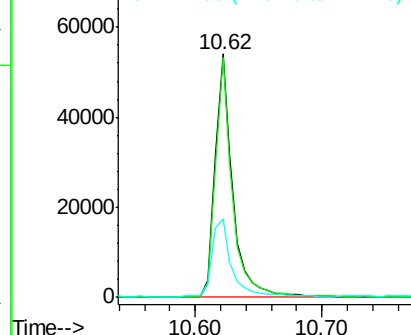
Tot Ion:	330	Resp:	53170
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.0	115.6
141	37.1	29.9	44.9

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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: 18.645 ng

RT: 9.14 min Scan# 1199

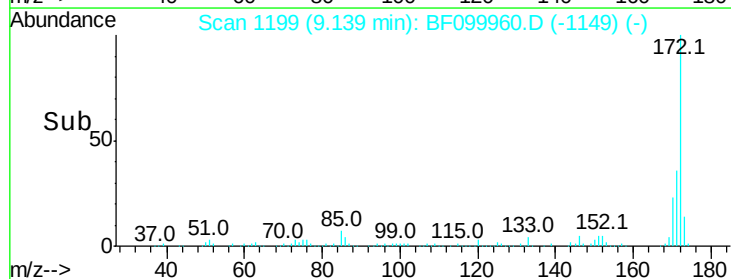
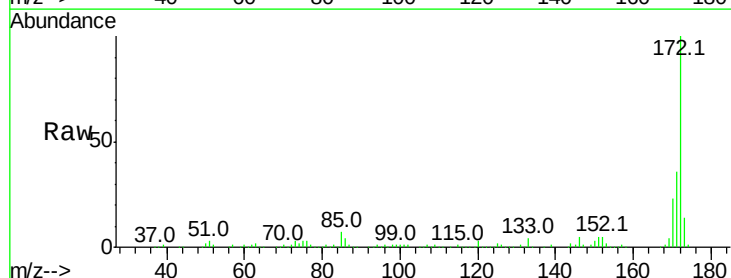
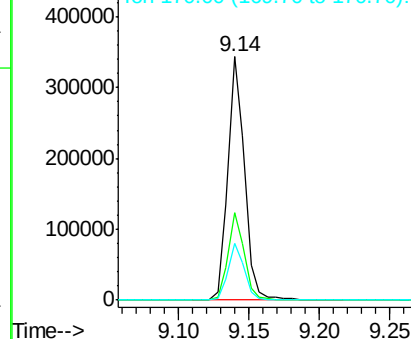
Delta R.T. -0.01 min

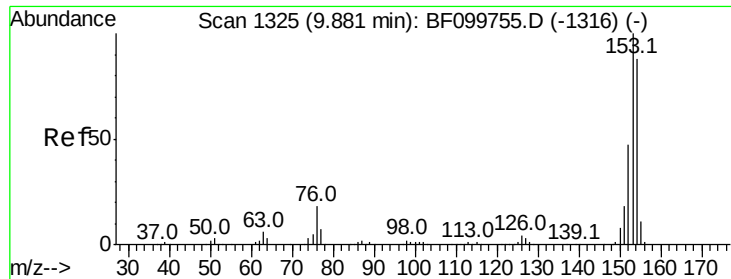
Lab File: BF099960.D

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Tgt Ion:	172	Resp:	281708
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.7	44.5
170	23.3	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





#51

Acenaphthene

Concen: 2.855 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF099960.D

Acq: 30 Oct 2017 15:35

Instrument :

BNA_F

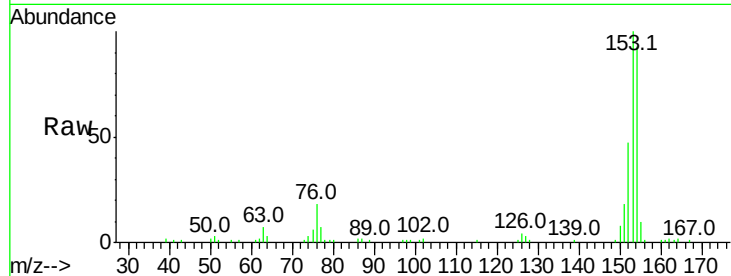
ClientSampleId :

FILL-PILE-2-COMP-1

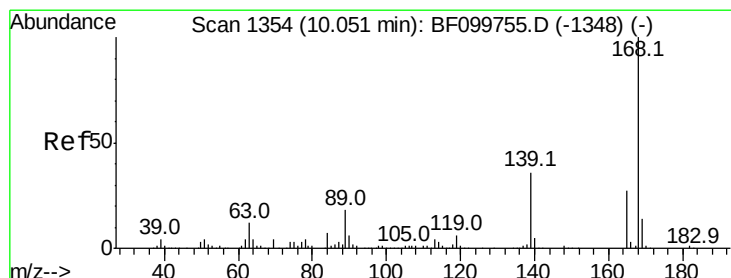
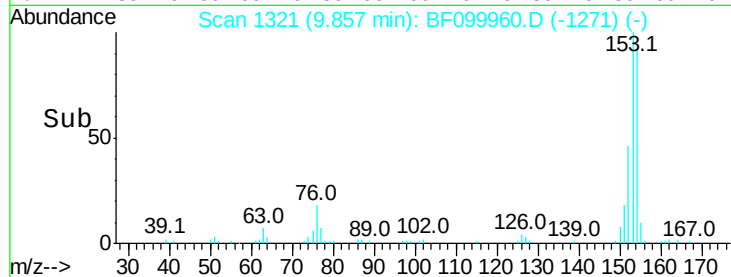
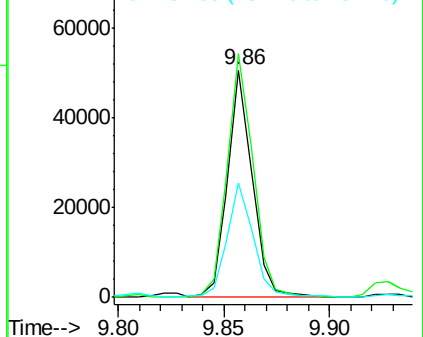
Tot Ion:	154	Resp:	41150
Ion Ratio	Lower	Upper	
154	100		
153	107.3	91.2	136.8
152	50.6	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.323 ng

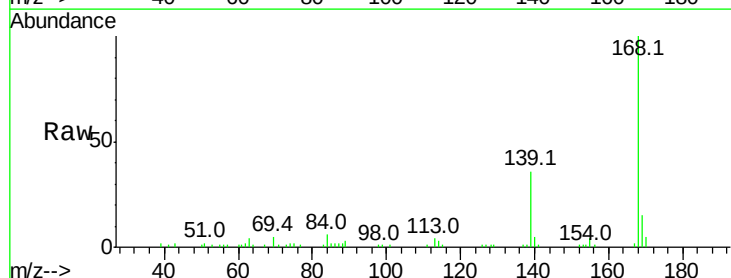
RT: 10.03 min Scan# 1351

Delta R.T. 0.00 min

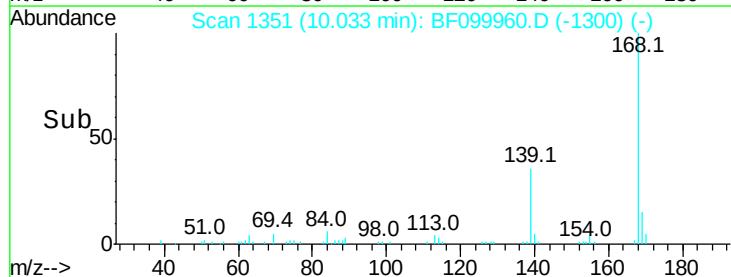
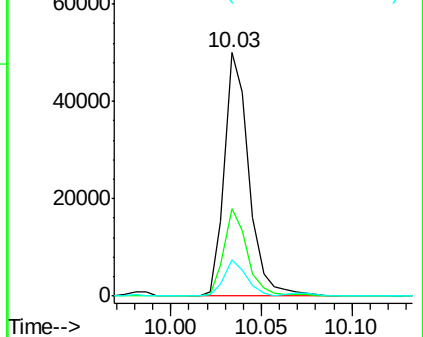
Lab File: BF099960.D

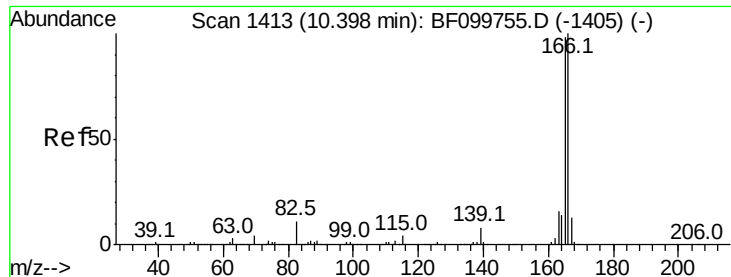
Acq: 30 Oct 2017 15:35

Tgt Ion:	168	Resp:	47261
Ion Ratio	Lower	Upper	
168	100		
139	35.9	30.1	45.1
169	14.8	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





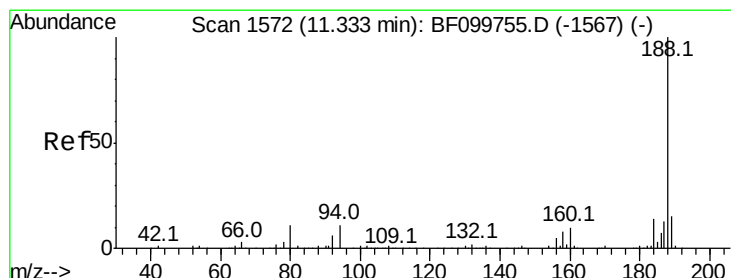
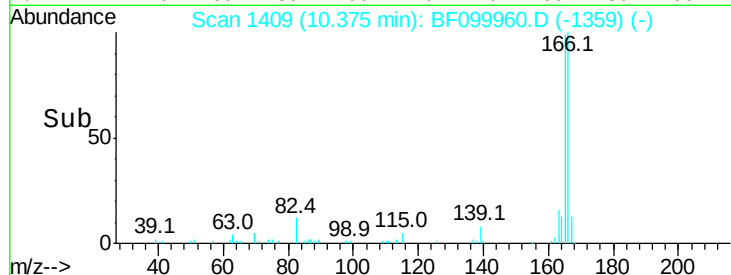
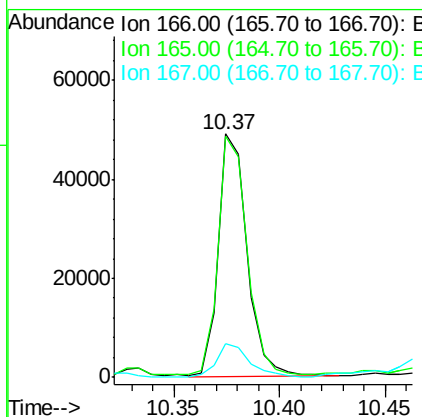
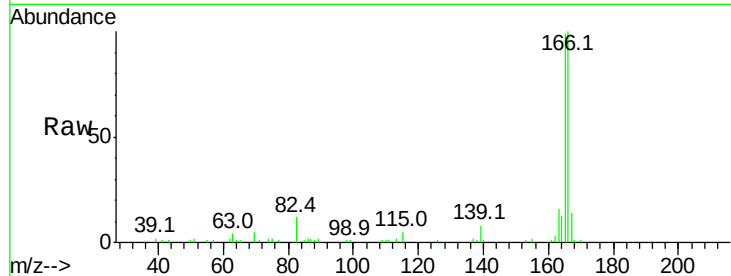
#57
Fluorene
 Concen: 2.747 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF099960.D
 Acq: 30 Oct 2017 15:35

Instrument :
 BNA_F
 ClientSampleId :
 FILL-PILE-2-COMP-1

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.8	119.8
167	14.0	10.6	16.0

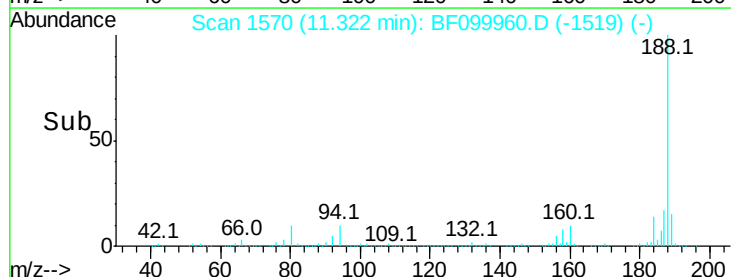
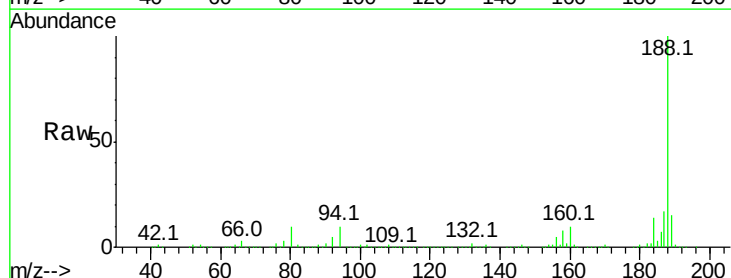
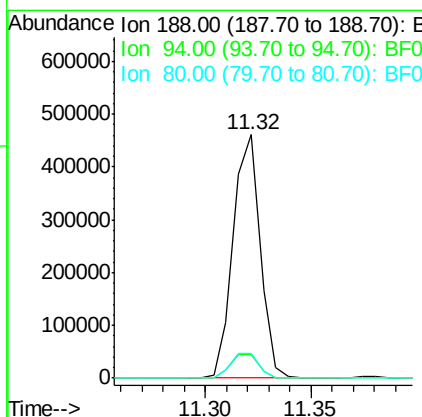
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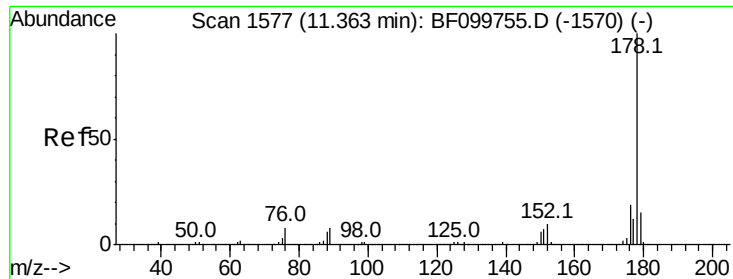
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF099960.D
 Acq: 30 Oct 2017 15:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.1	9.2	13.8





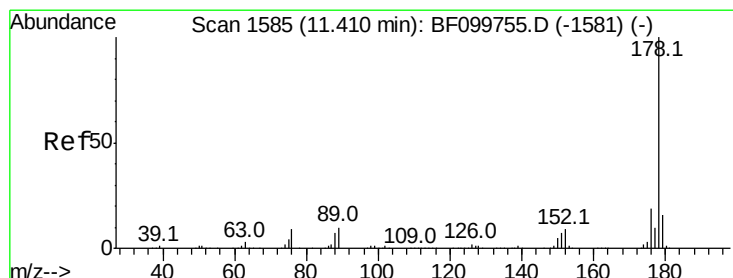
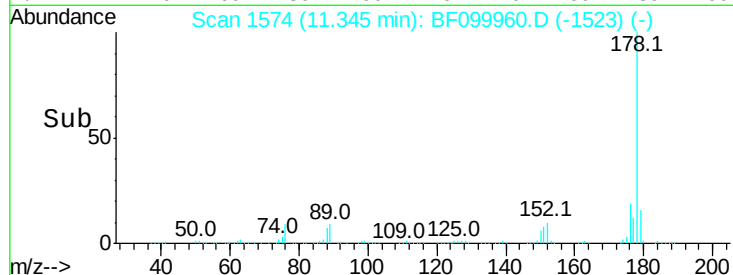
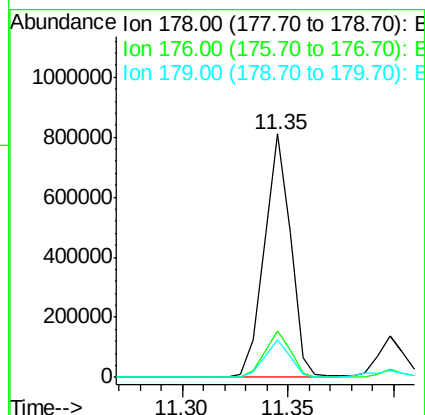
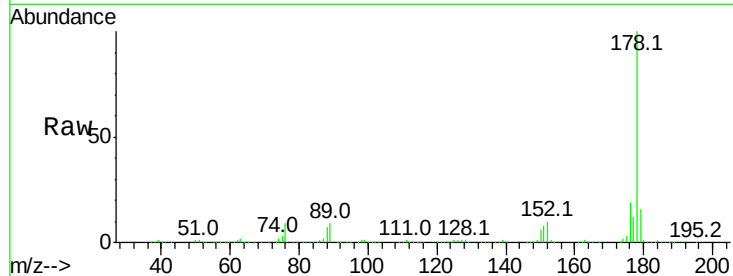
#70
Phenanthrene
Concen: 30.644 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF099960.D
Acq: 30 Oct 2017 15:35

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.5	13.0	19.6

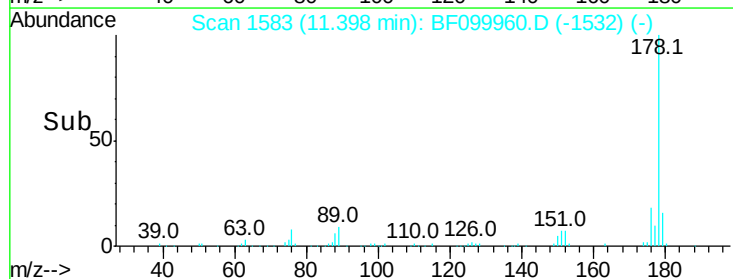
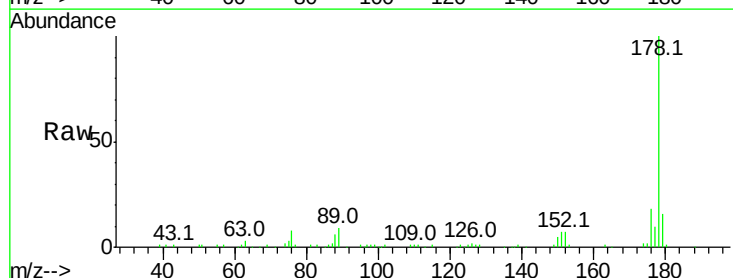
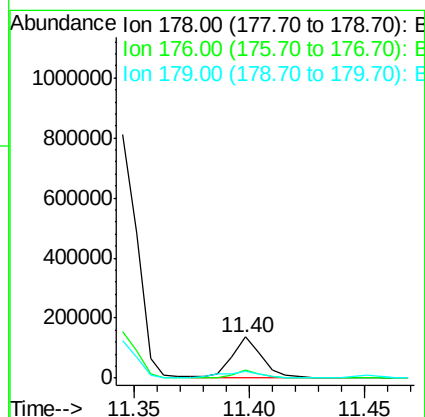
Manual Integrations
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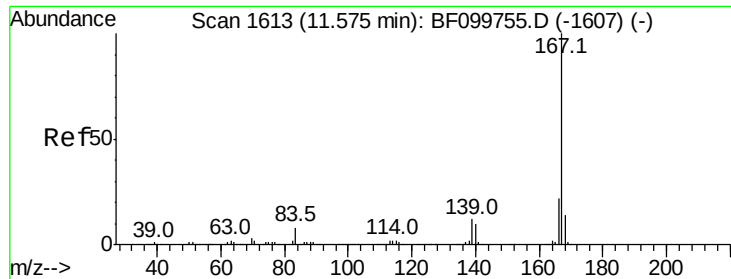
Sohil
10/31/2017 7:40:58 PM



#71
Anthracene
Concen: 5.164 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF099960.D
Acq: 30 Oct 2017 15:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.0	12.6	19.0





#72

Carbazole

Concen: 3.373 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BF099960.D

Acq: 30 Oct 2017 15:35

Instrument :

BNA_F

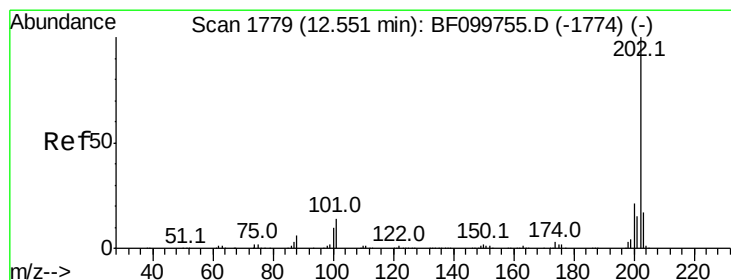
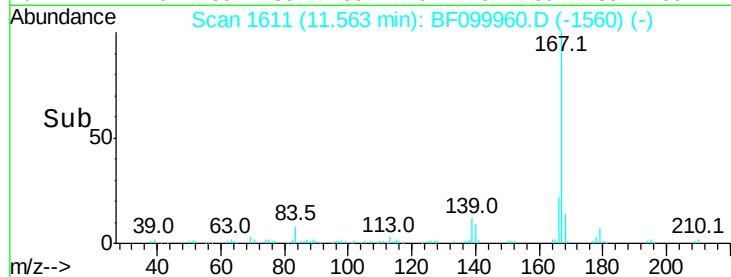
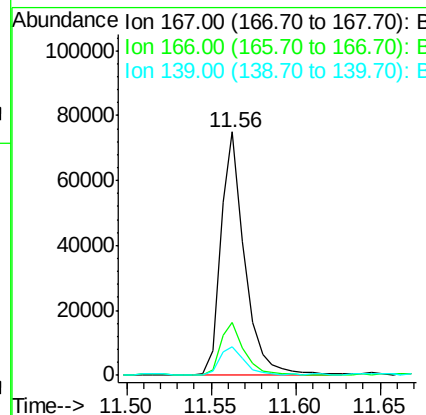
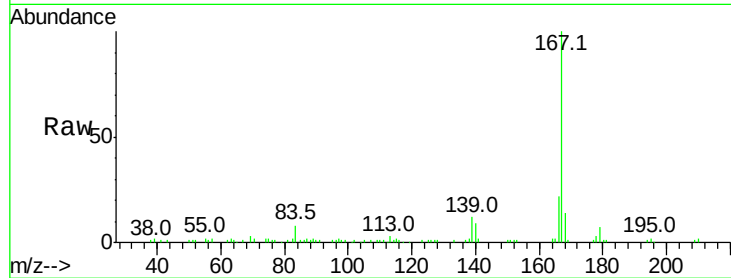
ClientSampleId :

FILL-PILE-2-COMP-1

Tot Ion:	167	Resp:	74046
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.6	26.4
139	11.9	10.9	16.3

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#74

Fluoranthene

Concen: 32.991 ng

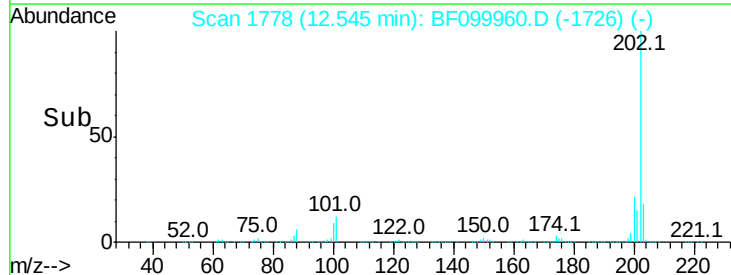
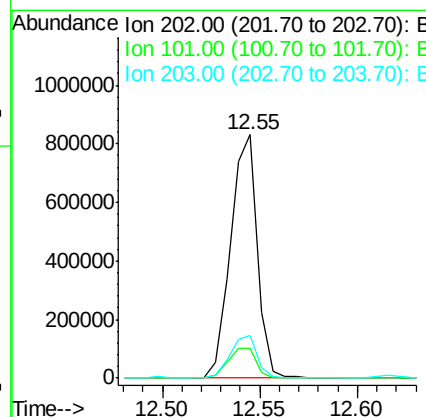
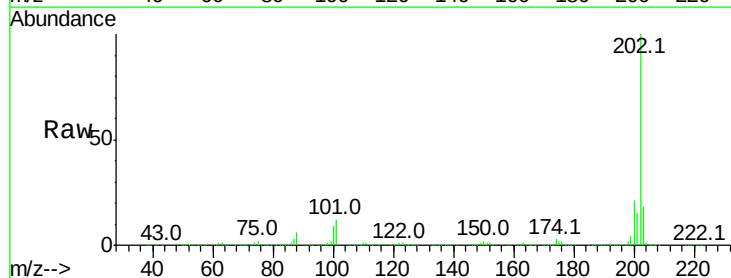
RT: 12.55 min Scan# 1778

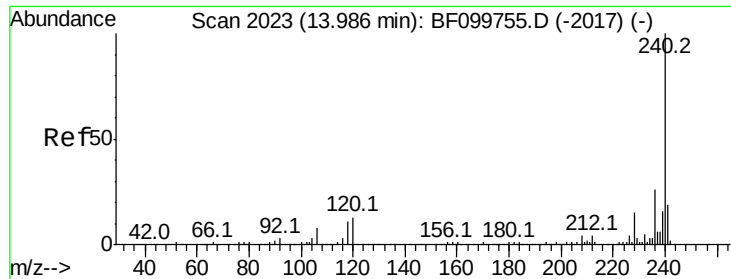
Delta R.T. 0.01 min

Lab File: BF099960.D

Acq: 30 Oct 2017 15:35

Tgt Ion:	202	Resp:	788617
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF099960.D

Acq: 30 Oct 2017 15:35

Instrument :

BNA_F

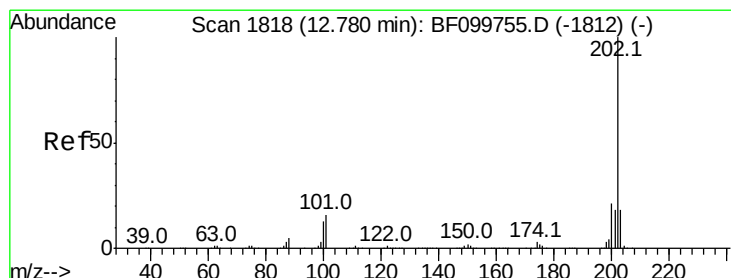
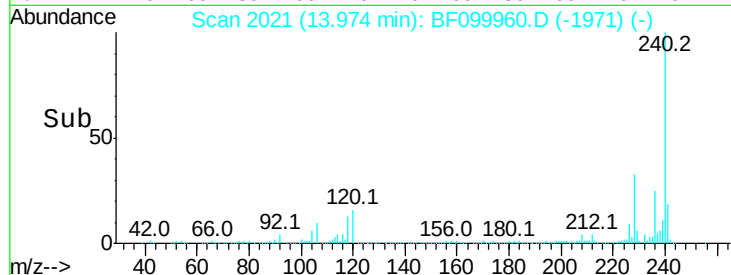
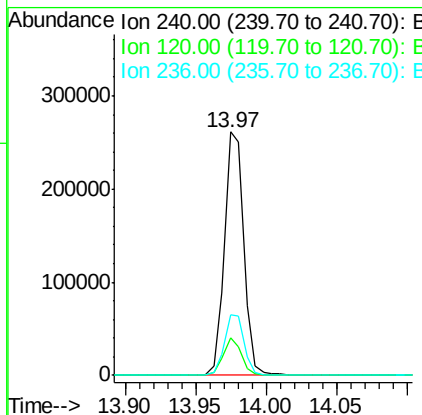
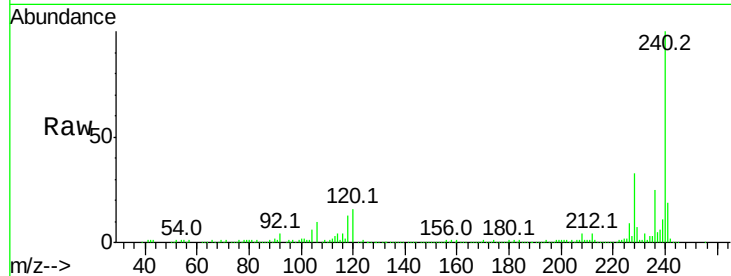
ClientSampleId :

FILL-PILE-2-COMP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.5	9.5	14.3
236	24.6	20.7	31.1

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#77

Pyrene

Concen: 35.158 ng

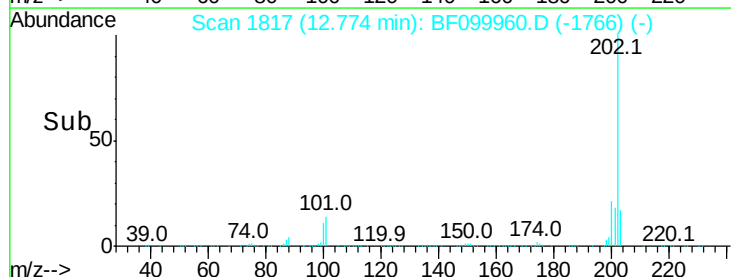
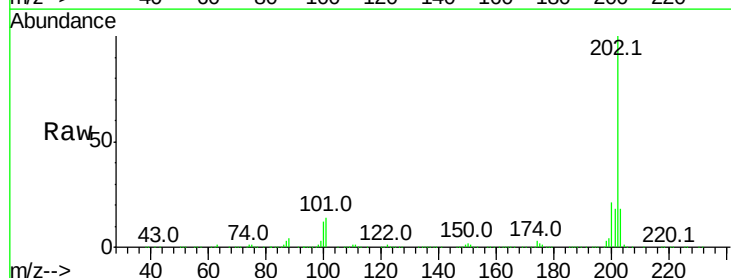
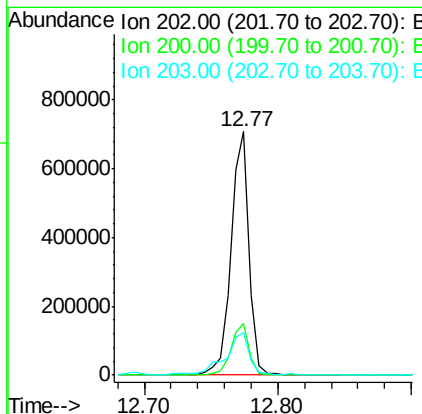
RT: 12.77 min Scan# 1817

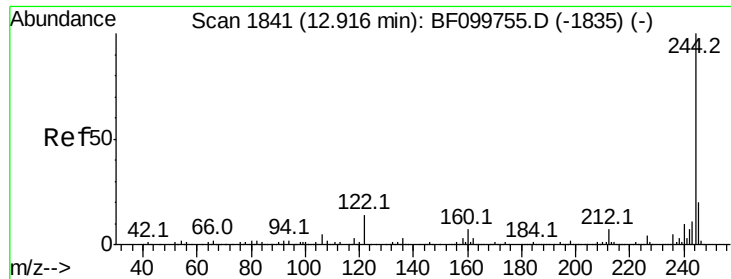
Delta R.T. 0.00 min

Lab File: BF099960.D

Acq: 30 Oct 2017 15:35

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.7	14.3	21.5





#78

Terphenyl-d14

Concen: 20.669 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF099960.D

Acq: 30 Oct 2017 15:35

Instrument :

BNA_F

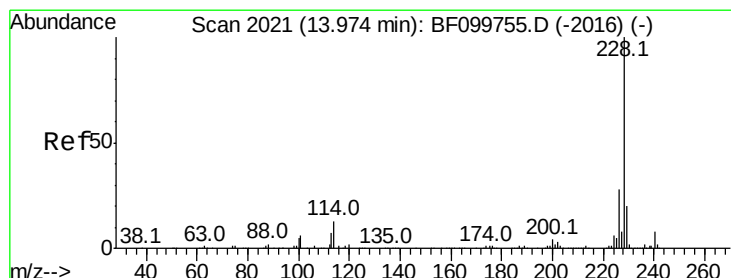
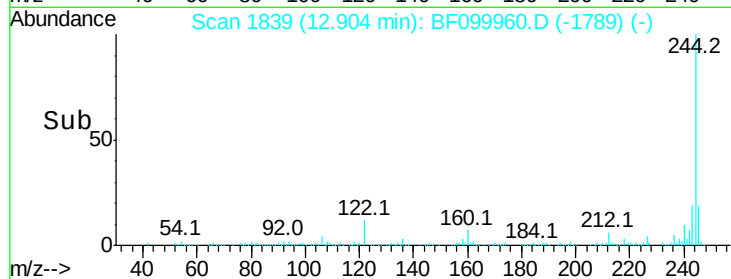
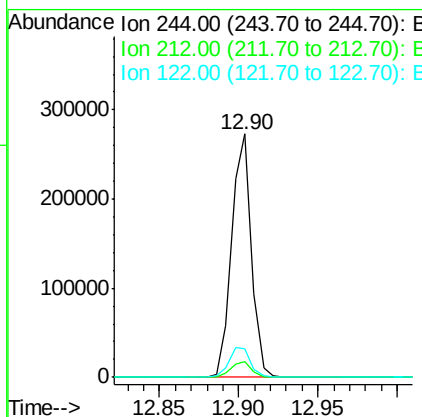
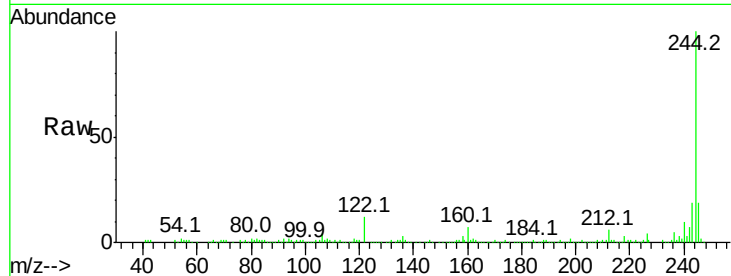
ClientSampleId :

FILL-PILE-2-COMP-1

Tot Ion:	244	Resp:	235825
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	11.6	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 12.857 ng

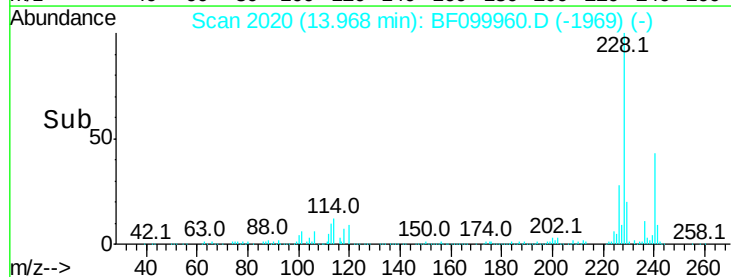
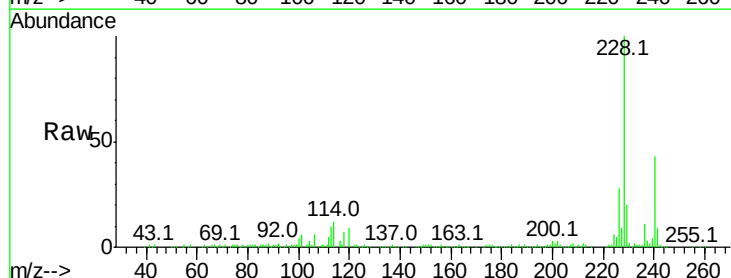
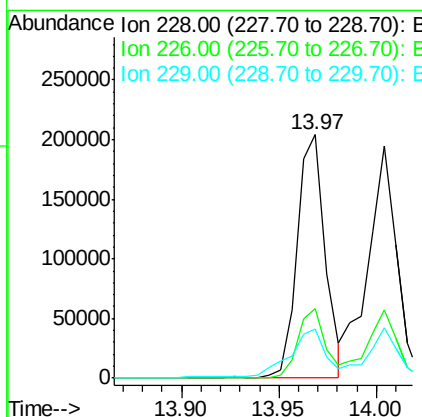
RT: 13.97 min Scan# 2020

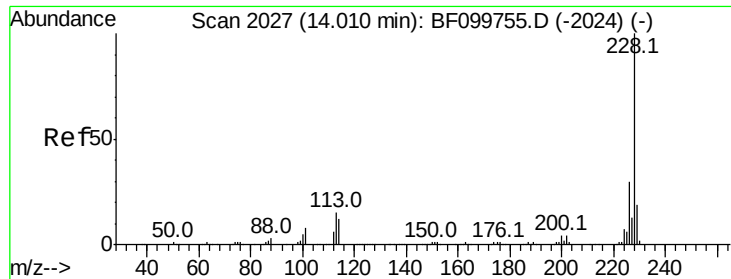
Delta R.T. 0.00 min

Lab File: BF099960.D

Acq: 30 Oct 2017 15:35

Tgt Ion:	228	Resp:	203224
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.6	33.8
229	20.4	15.8	23.6





#82

Chrysene

Concen: 13.560 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF099960.D

Acq: 30 Oct 2017 15:35

Instrument :

BNA_F

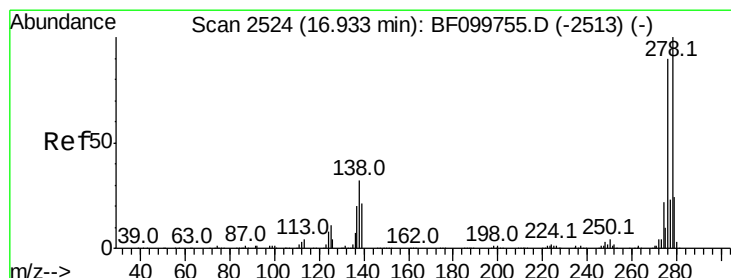
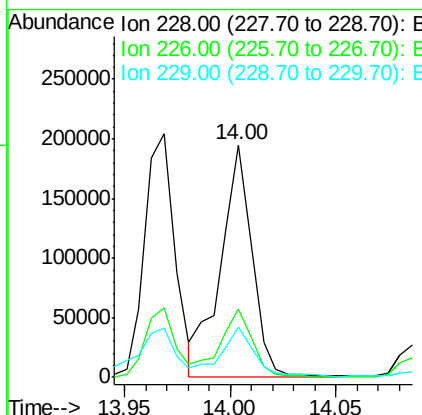
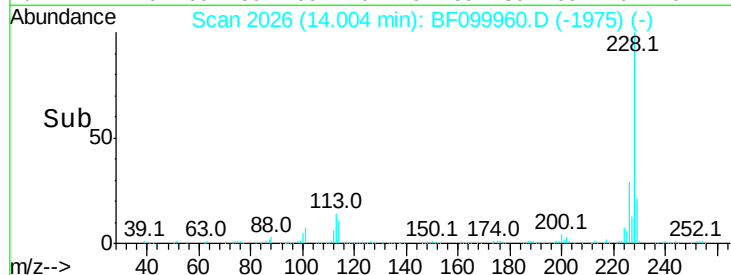
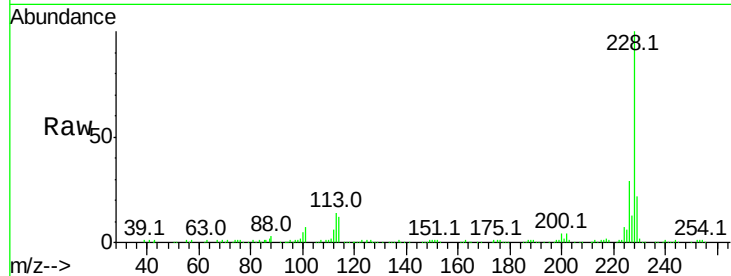
ClientSampleId :

FILL-PILE-2-COMP-1

Tot Ion:	228	Resp:	201497
Ion Ratio	Lower	Upper	
228	100		
226	29.5	25.0	37.6
229	21.5	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.610 ng

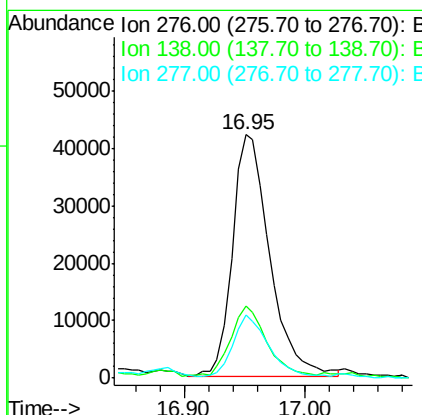
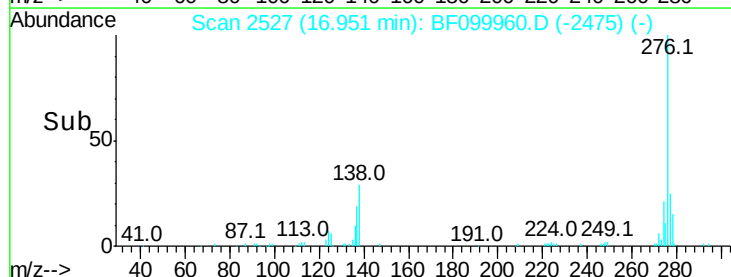
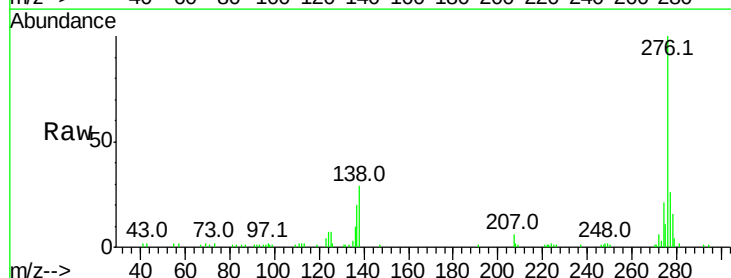
RT: 16.95 min Scan# 2527

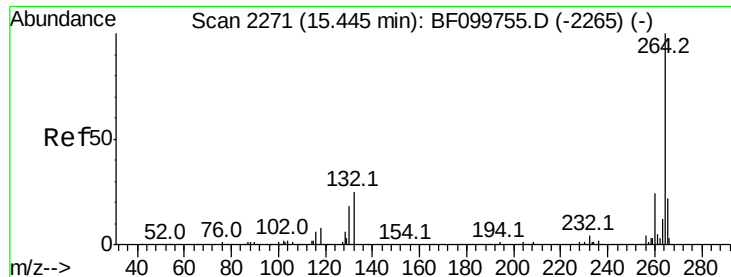
Delta R.T. 0.01 min

Lab File: BF099960.D

Acq: 30 Oct 2017 15:35

Tgt Ion:	276	Resp:	90180
Ion Ratio	Lower	Upper	
276	100		
138	27.0	25.0	37.6
277	23.7	20.1	30.1





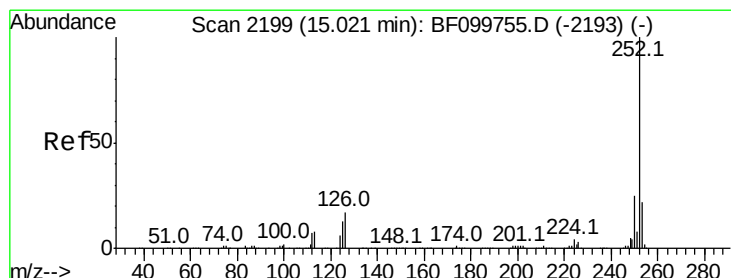
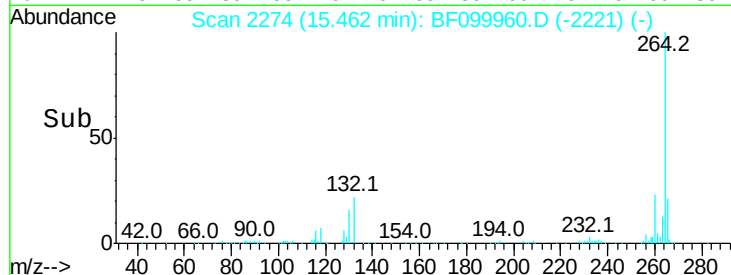
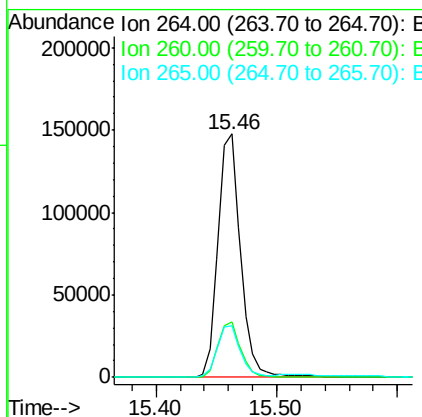
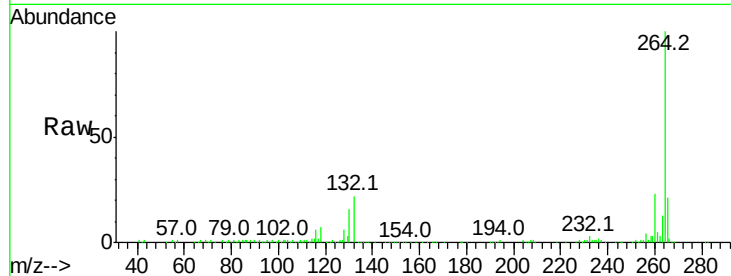
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF099960.D
Acq: 30 Oct 2017 15:35

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.0	17.5	26.3

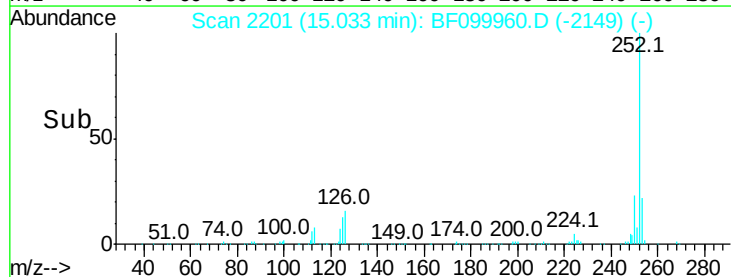
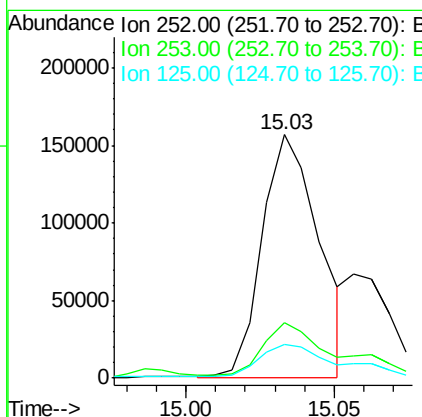
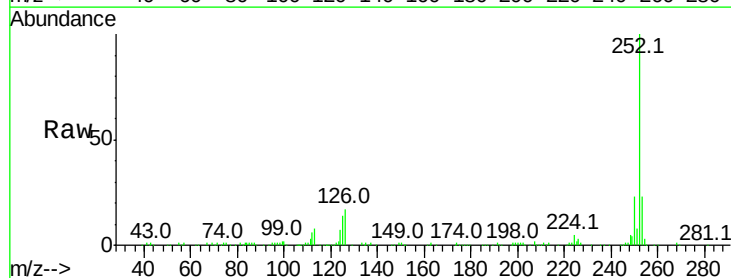
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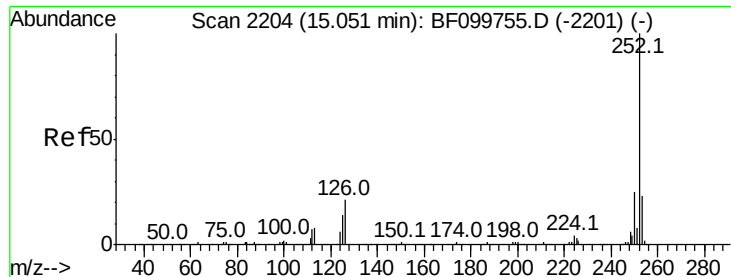
Sohil
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#87
Benzo(b)fluoranthene
Concen: 17.508 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF099960.D
Acq: 30 Oct 2017 15:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	13.7	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 6.395 ng m

RT: 15.06 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BF099960.D

Acq: 30 Oct 2017 15:35

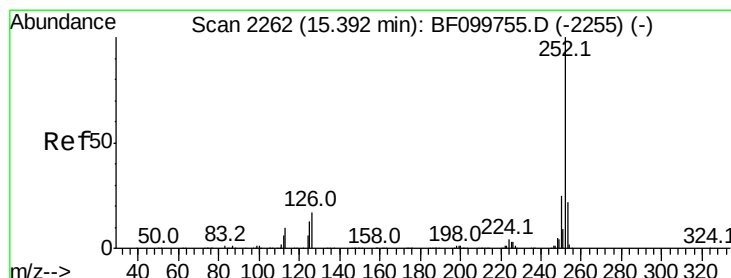
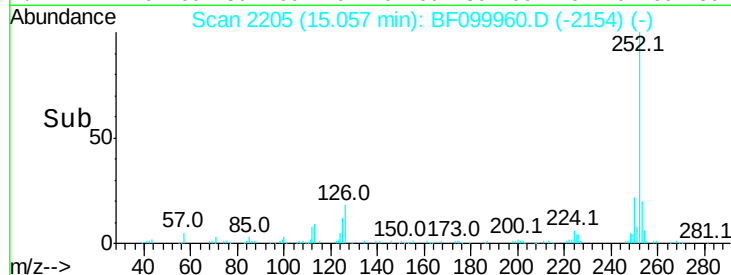
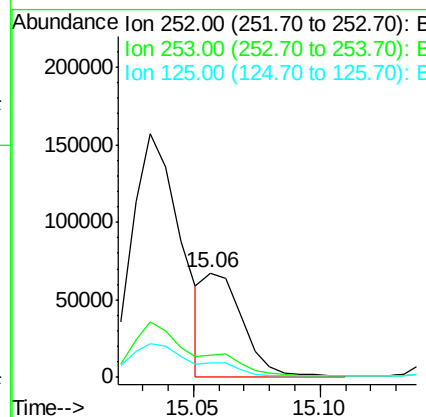
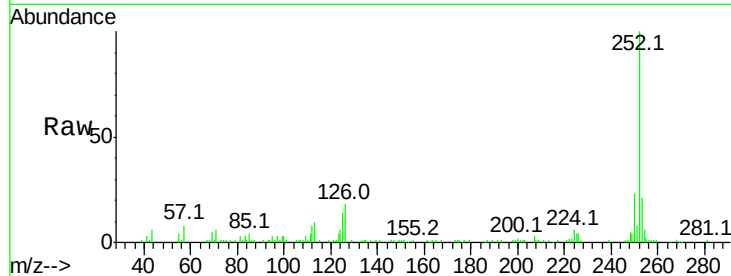
Instrument :
BNA_F

ClientSampleId :
FILL-PILE-2-COMP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.9	26.9
125	13.6	10.2	15.2

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 11.695 ng

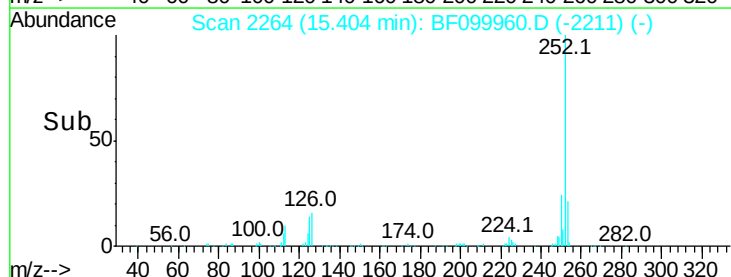
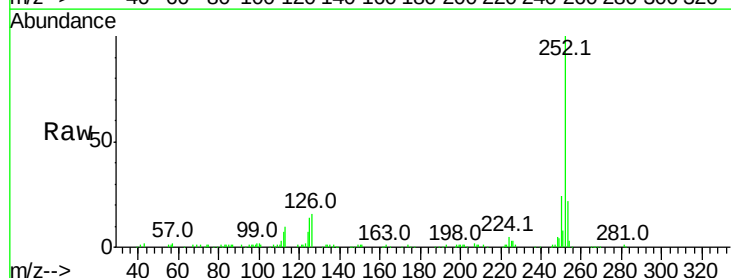
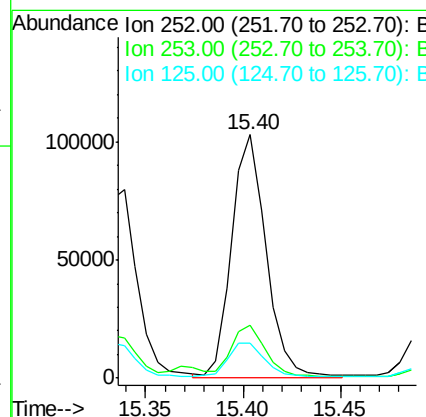
RT: 15.40 min Scan# 2264

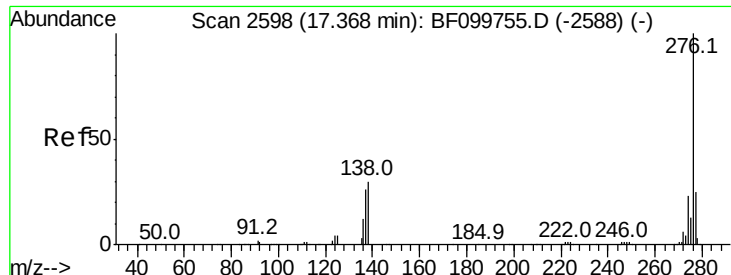
Delta R.T. 0.01 min

Lab File: BF099960.D

Acq: 30 Oct 2017 15:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	14.2	9.8	14.6





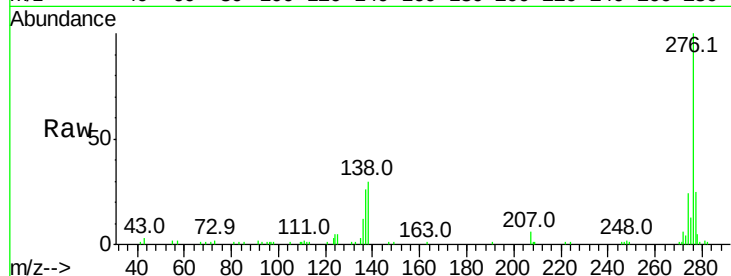
#91
 Benzo(a,h,i)perylene
 Concen: 10.029 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. 0.02 min
 Lab File: BF099960.D
 Acq: 30 Oct 2017 15:35

Instrument :
 BNA_F
 ClientSampleId :
 FILL-PILE-2-COMP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	30.4	21.8	32.8

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

