

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108549.D
 Acq On : 28 Aug 2018 9:33
 Operator : JU/SJ
 Sample : J4673-01
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOUTH-PATERSON-PILE

Manual Integrations
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Sohil
 8/28/2018 12:16:52 PM

Quant Time: Aug 28 10:59:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	106298	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	366186	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	150257	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	269028	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	268635	20.00	ng	0.00
86) Perylene-d12	15.75	264	202295	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	525557	89.51	ng	0.00
7) Phenol-d6	6.62	99	687611	88.13	ng	-0.01
23) Nitrobenzene-d5	7.56	82	436921	66.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	131379	87.66	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	708203	75.67	ng	-0.01
78) Terphenyl-d14	13.12	244	679224	64.29	ng	0.00
Target Compounds						
31) Naphthalene	8.30	128	50642	3.041	ng	99
37) 2-Methylnaphthalene	9.00	142	36485	3.097	ng	96
49) Dimethylphthalate	9.74	163	147823	14.123	ng	# 99
70) Phenanthrene	11.56	178	65603	5.170	ng	98
74) Fluoranthene	12.76	202	132944	9.600	ng	94
77) Pyrene	12.99	202	136045	7.999	ng	99
80) Benzo(a)anthracene	14.18	228	73478	4.766	ng	# 91
82) Chrysene	14.22	228	98464m	6.966	ng	
83) Bis(2-ethylhexyl)phthalate	14.14	149	37526	4.103	ng	# 93
85) Indeno(1,2,3-cd)pyrene	17.37	276	28910	2.361	ng	# 88
87) Benzo(b)fluoranthene	15.28	252	79710m	6.594	ng	
88) Benzo(k)fluoranthene	15.31	252	30988m	2.789	ng	
89) Benzo(a)pyrene	15.68	252	50941	4.706	ng	# 81
91) Benzo(a,h,i)perylene	17.85	276	31635	3.587	ng	# 87

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

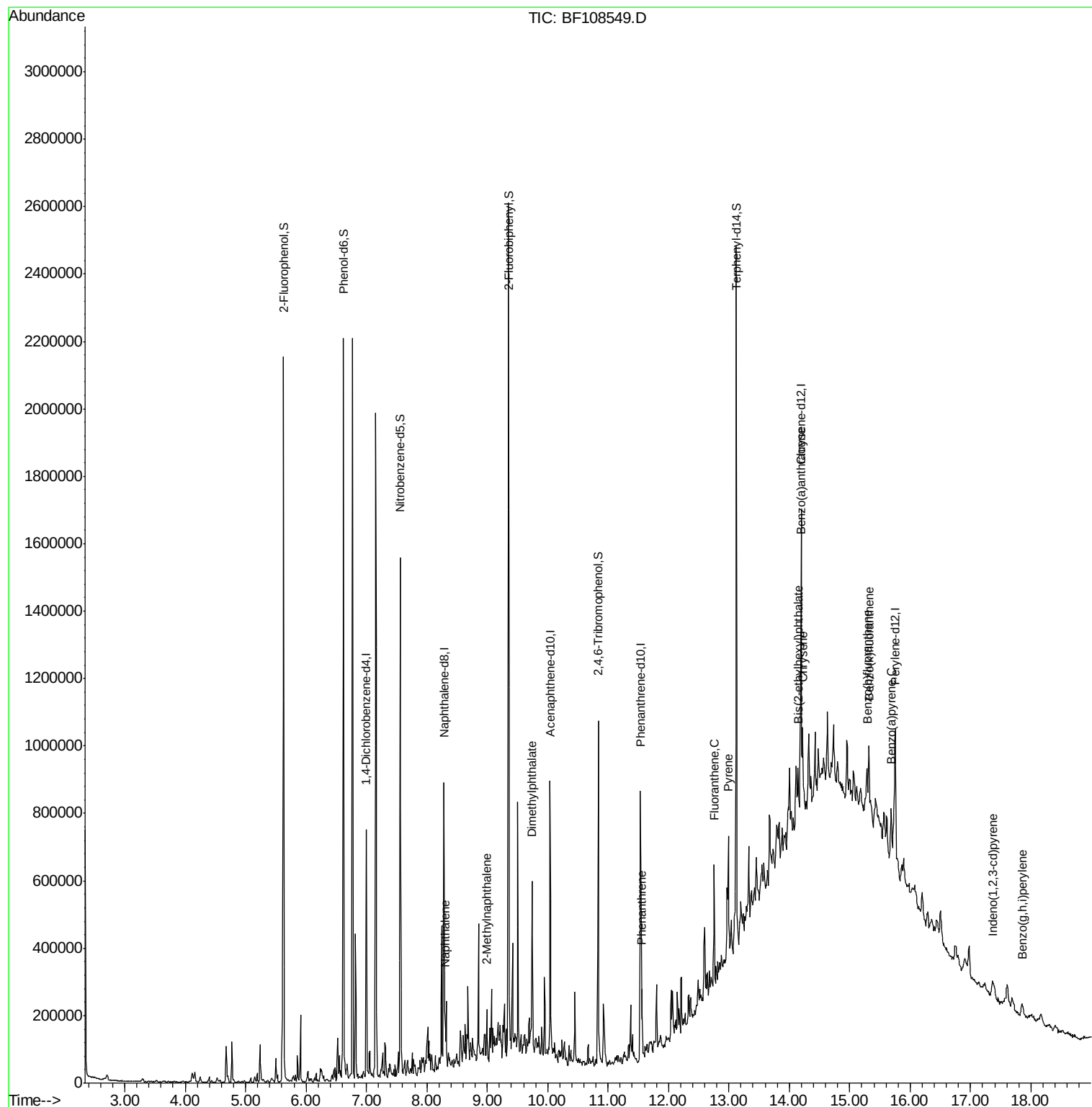
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
Data File : BF108549.D
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ALS Vial : 51 Sample Multiplier: 1

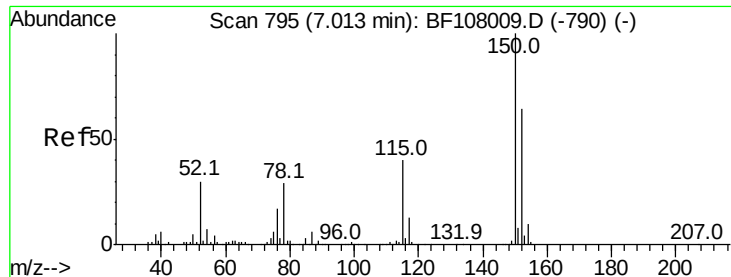
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#1

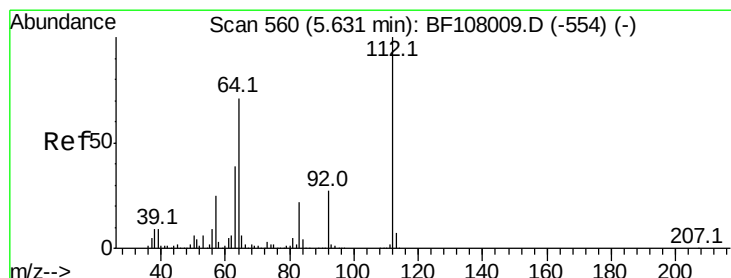
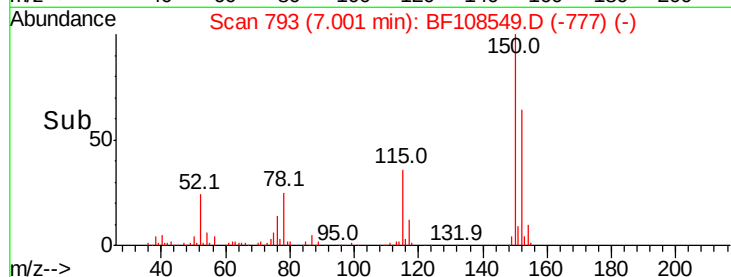
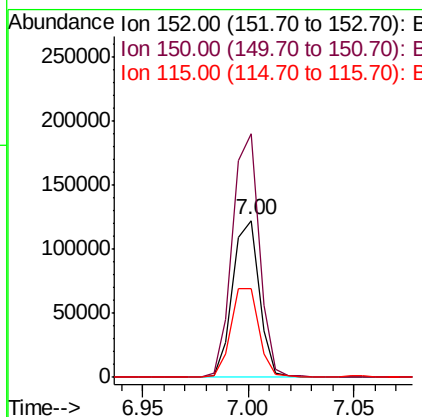
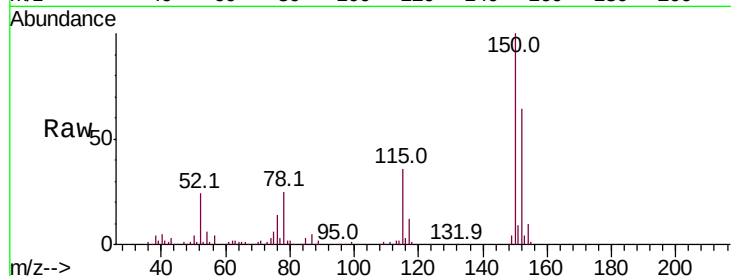
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Instrument :
BNA_F
ClientSampleId :
SOUTH-PATERSON-PILE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	56.6	50.1	75.1

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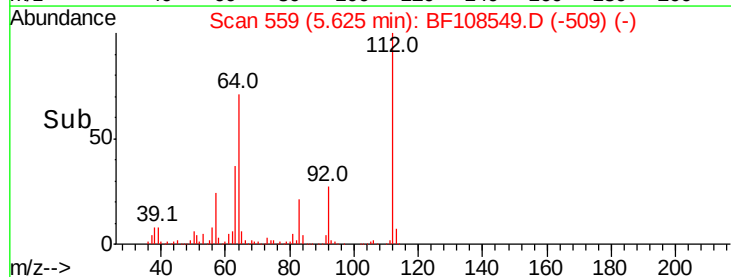
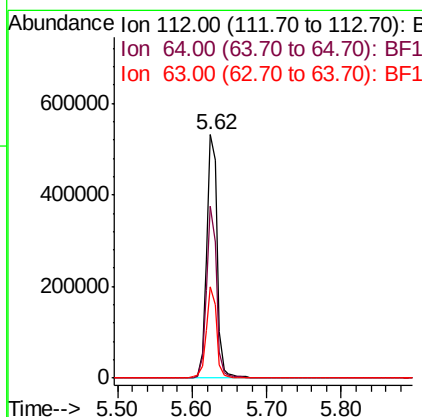
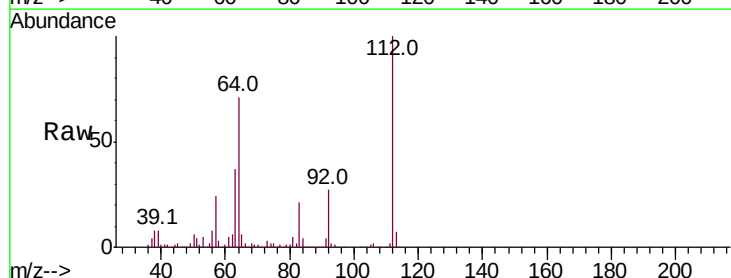
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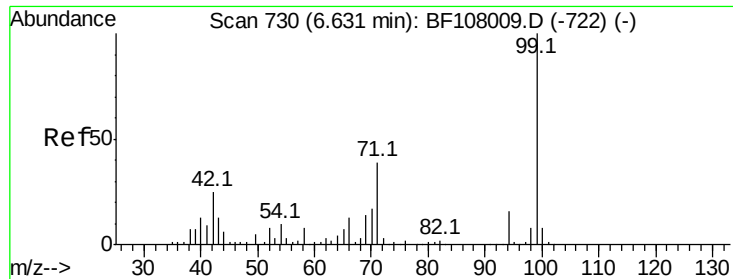


#5

2-Fluorophenol
Concen: 89.512 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.6	47.9	71.9
63	37.4	23.7	35.5





#7

Phenol-d6

Concen: 88.130 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Instrument :

BNA_F

ClientSampleId :

SOUTH-PATERSON-PILE

Tot Ion: 99 Resp: 687611

Ion Ratio Lower Upper

99 100

42 22.8 14.5 21.7#

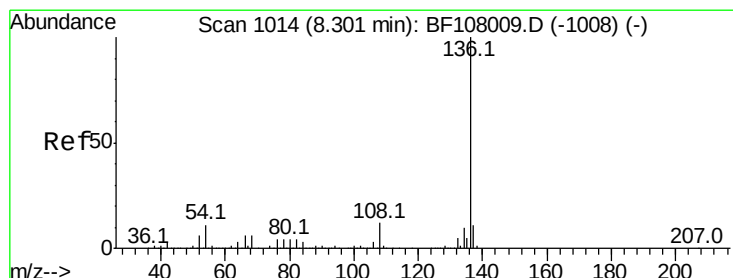
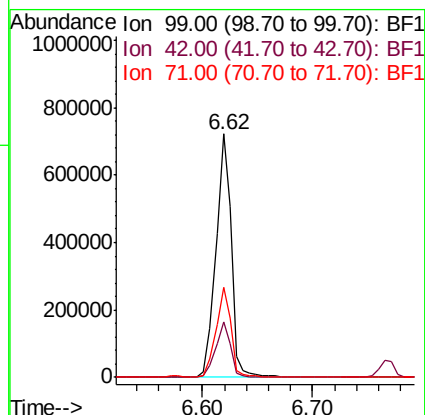
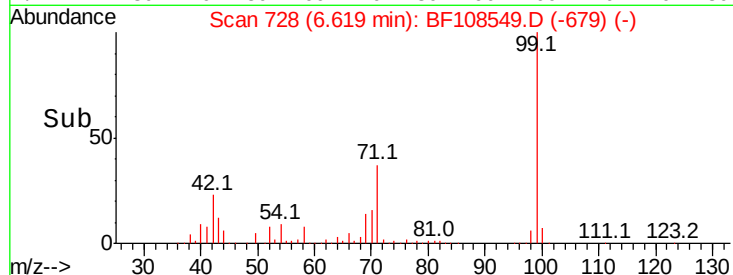
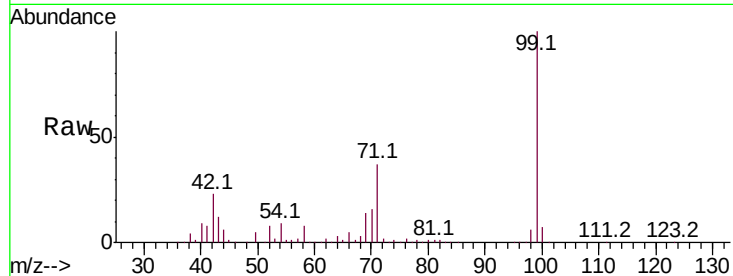
71 36.8 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Tgt Ion: 136 Resp: 366186

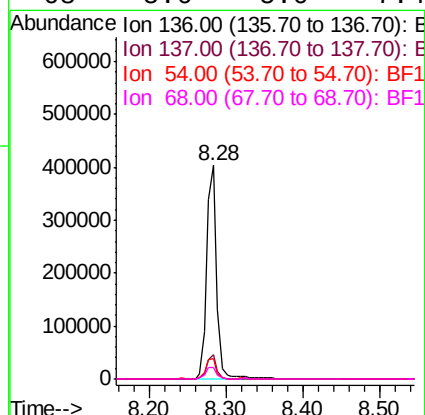
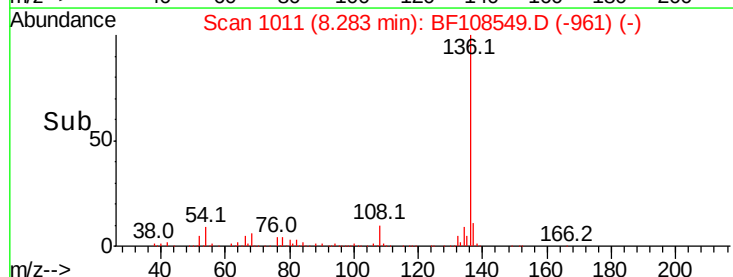
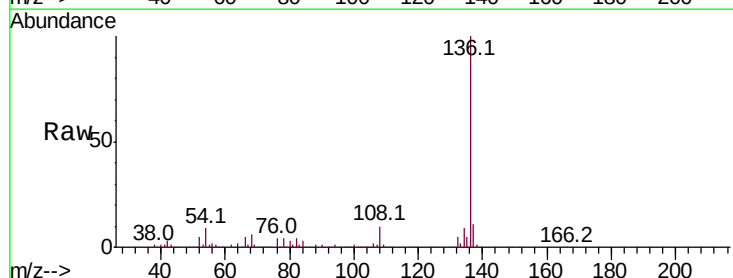
Ion Ratio Lower Upper

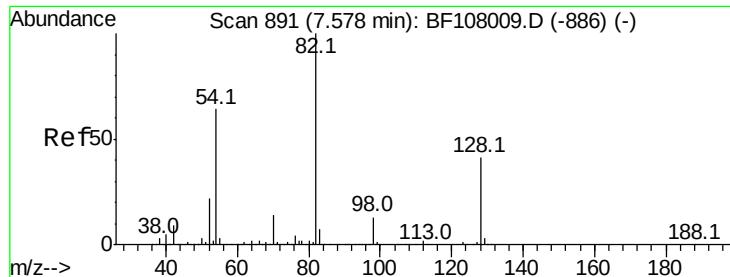
136 100

137 11.1 8.9 13.3

54 9.3 6.6 9.8

68 5.6 5.0 7.4





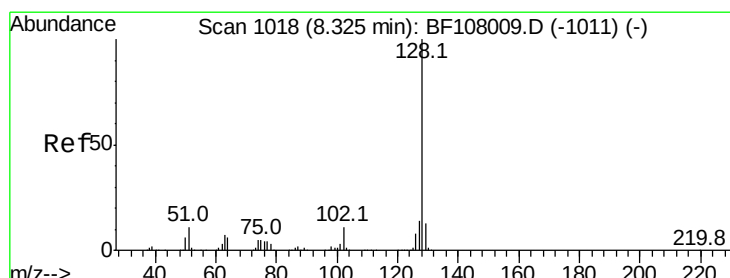
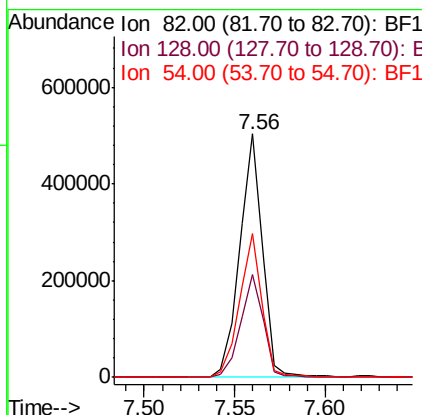
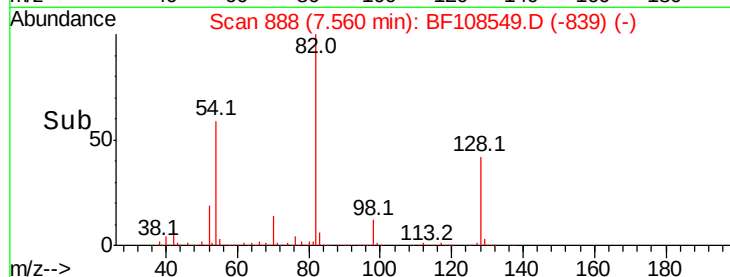
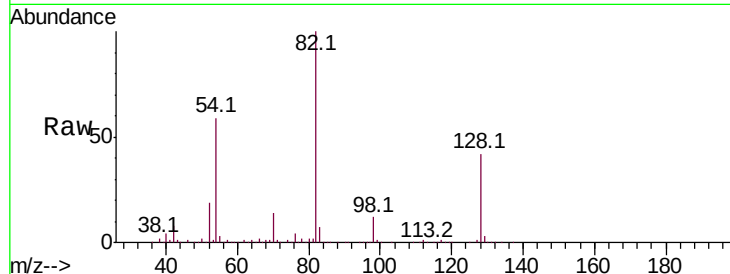
#23
Nitrobenzene-d5
Concen: 66.580 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Instrument :
BNA_F
ClientSampleId :
SOUTH-PATERSON-PILE

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.0	36.1	54.1	
54	59.2	41.4	62.2	

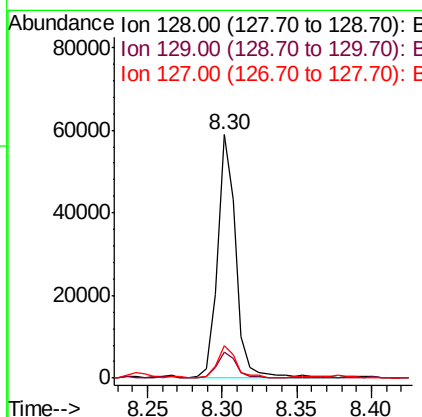
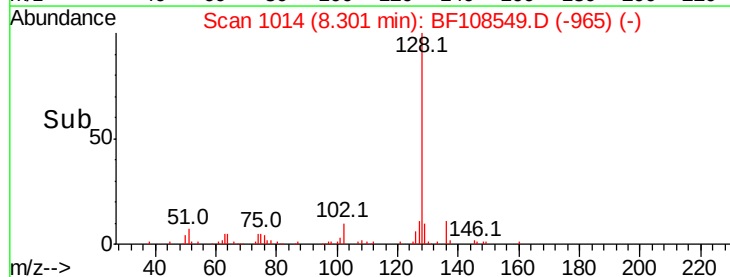
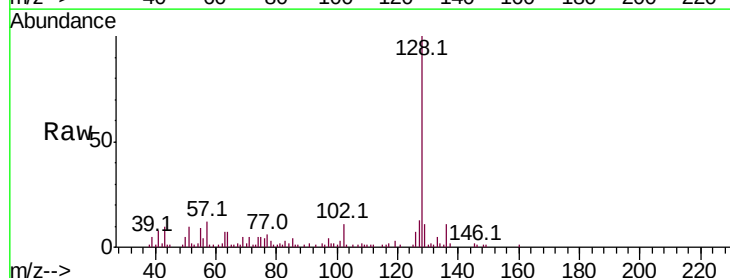
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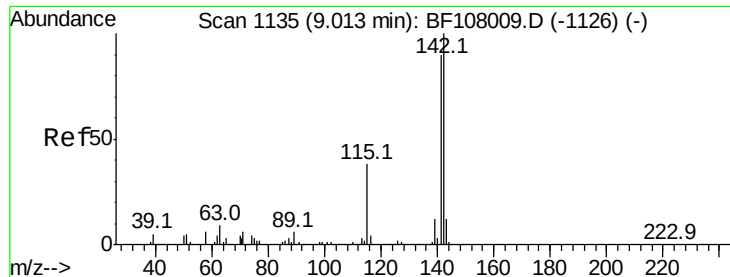
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#31
Naphthalene
Concen: 3.041 ng
RT: 8.30 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.8	8.8	13.2	
127	13.2	10.9	16.3	





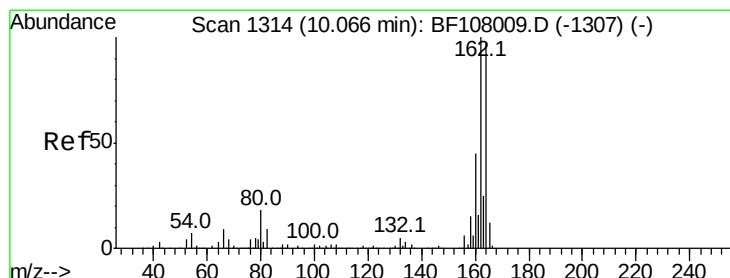
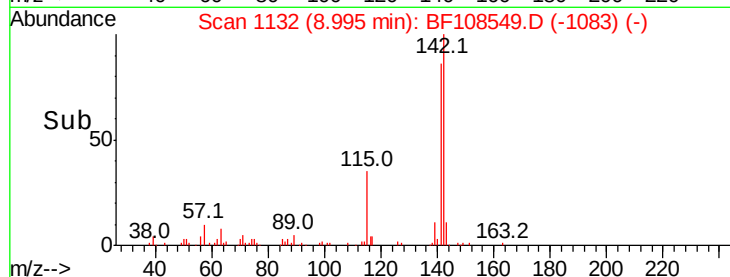
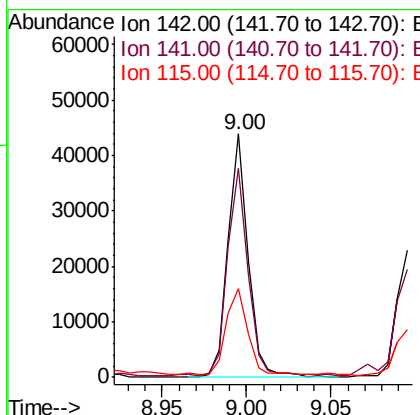
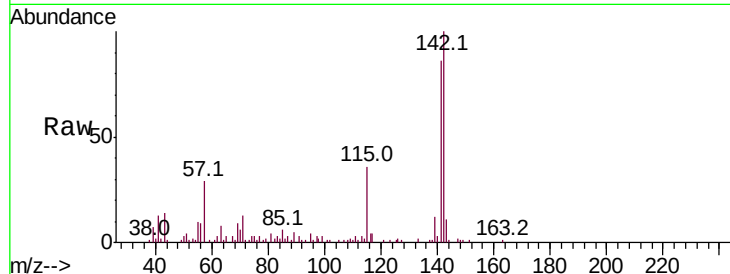
#37
2-Methylnaphthalene
Concen: 3.097 ng
RT: 9.00 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Instrument :
BNA_F
ClientSampleId :
SOUTH-PATERSON-PILE

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.1	70.8	106.2
115	36.4	26.1	39.1

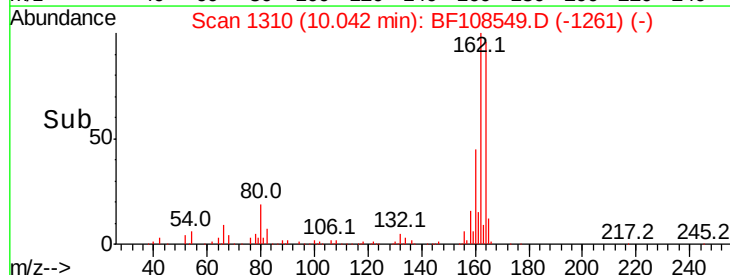
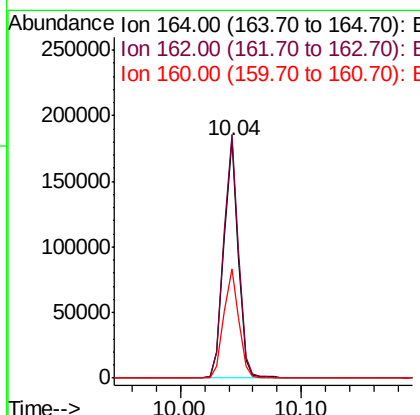
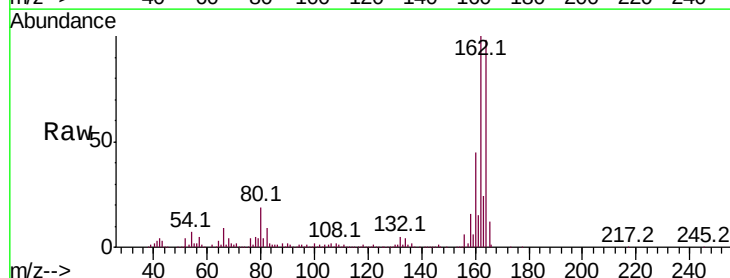
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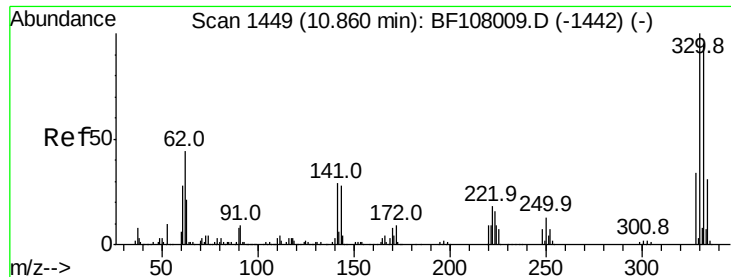
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.1	129.1
160	46.1	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 87.658 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Instrument :

BNA_F

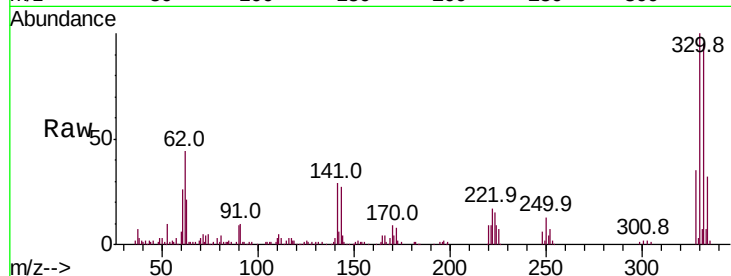
ClientSampleId :

SOUTH-PATERSON-PILE

Tot Ion:	330	Resp:	131379
Ion Ratio	Lower	Upper	
330	100		
332	93.9	77.0	115.6
141	33.4	29.9	44.9

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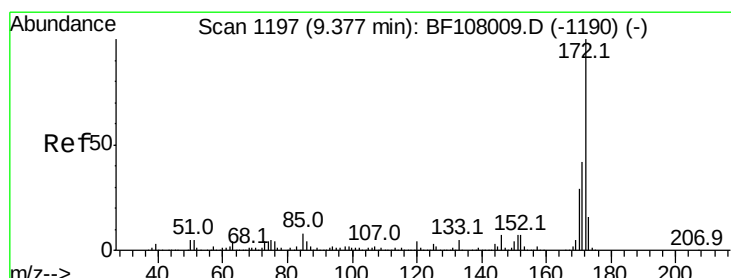
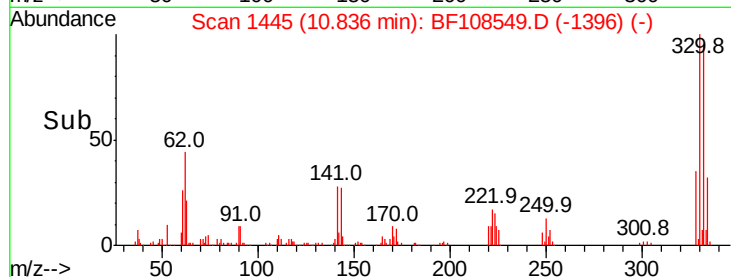
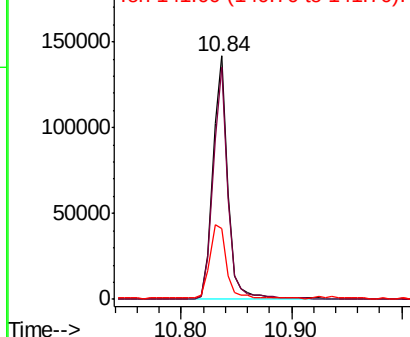


Abundance

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: 75.670 ng

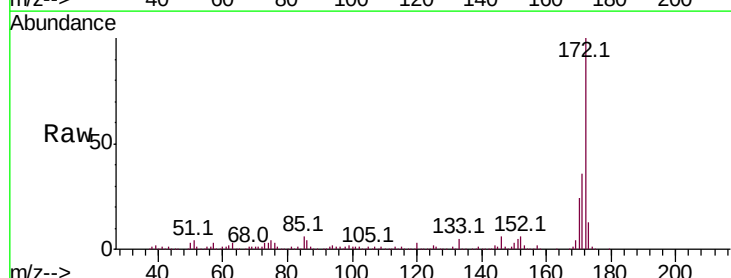
RT: 9.35 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Tgt Ion:	172	Resp:	708203
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.7	44.5
170	24.2	19.6	29.4

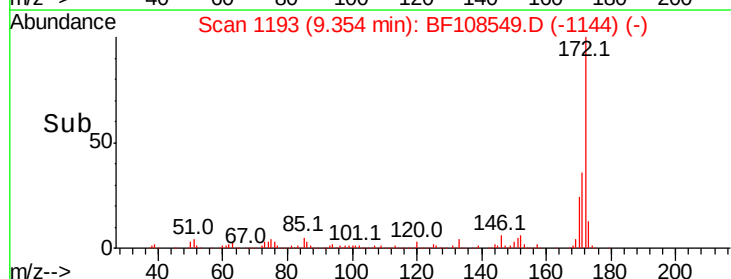
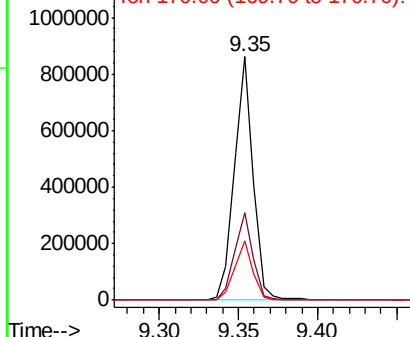


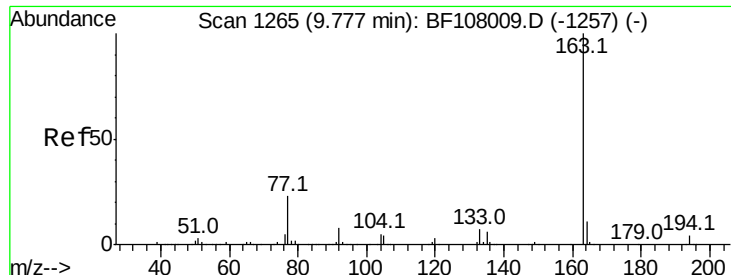
Abundance

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





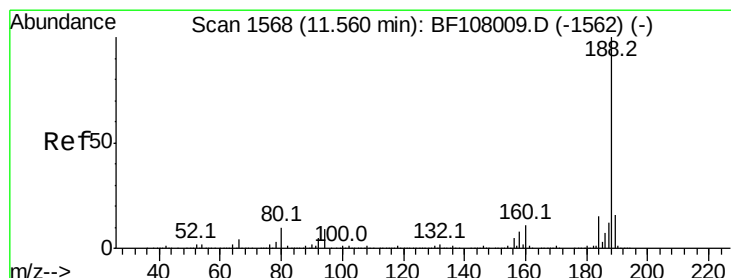
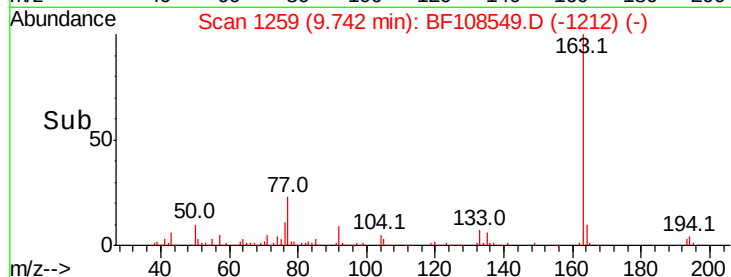
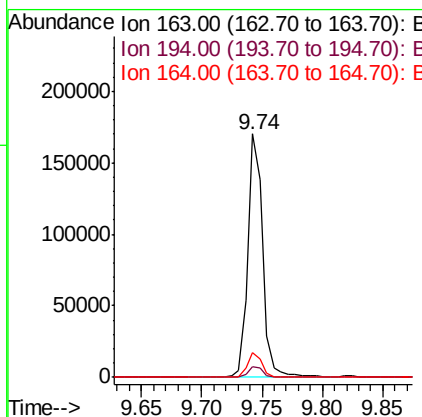
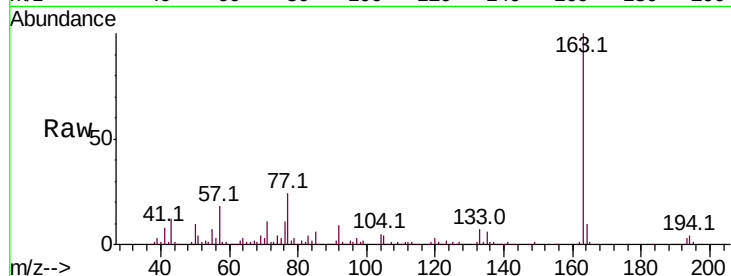
#49
 Dimethylphthalate
 Concen: 14.123 ng
 RT: 9.74 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: BF108549.D
 Acq: 28 Aug 2018 9:33

Instrument :
 BNA_F
 ClientSampleId :
 SOUTH-PATERSON-PILE

Tot Ion:	163	Resp:	147823
Ion Ratio	Lower	Upper	
163	100		
194	4.5	2.7	4.1#
164	10.4	8.2	12.2

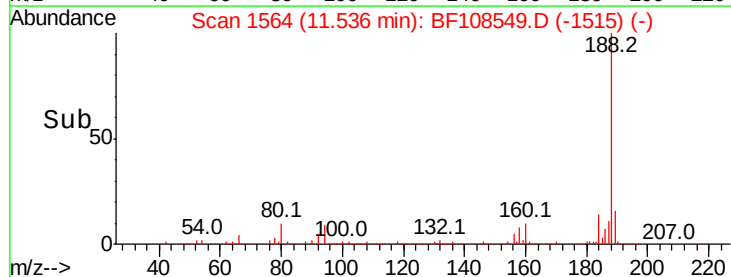
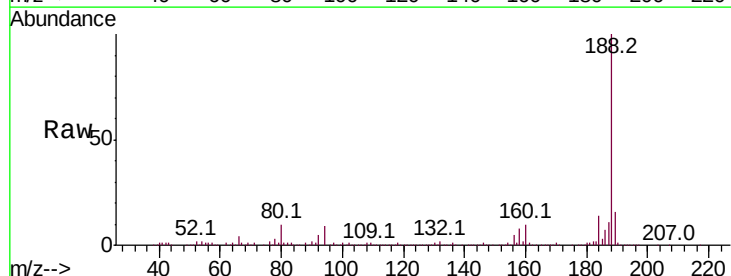
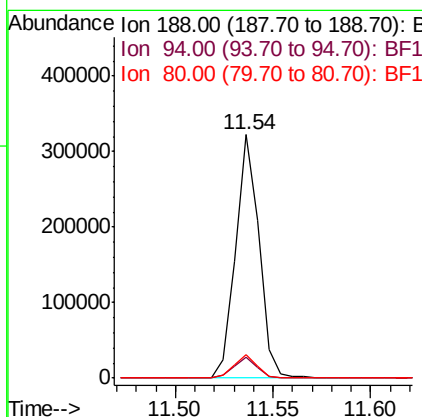
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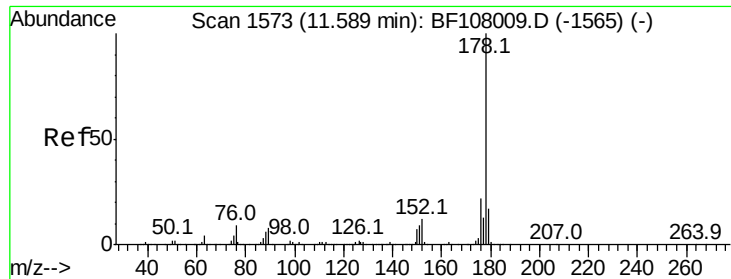
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108549.D
 Acq: 28 Aug 2018 9:33

Tgt Ion:	188	Resp:	269028
Ion Ratio	Lower	Upper	
188	100		
94	8.7	8.5	12.7
80	9.6	9.2	13.8





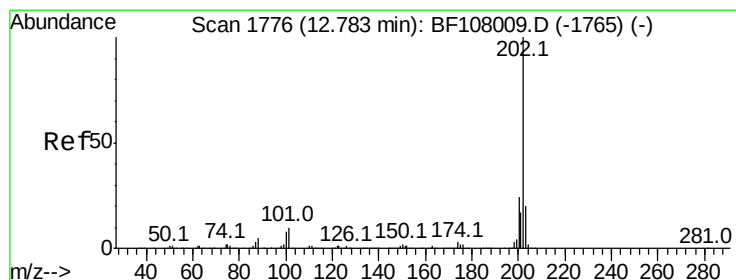
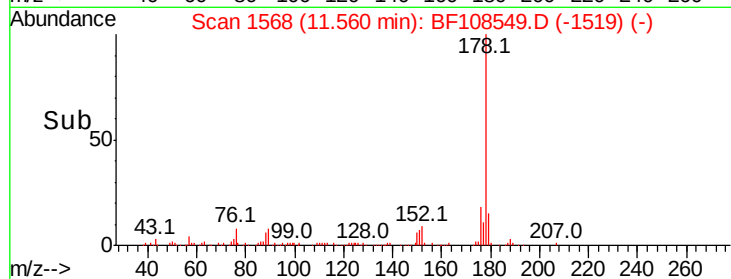
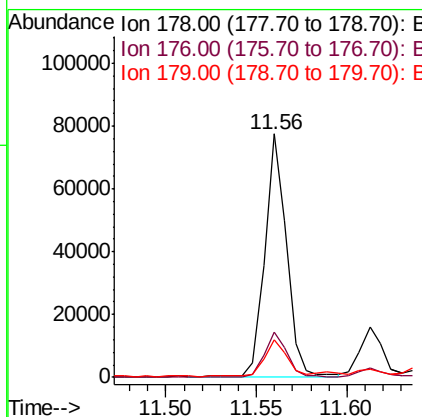
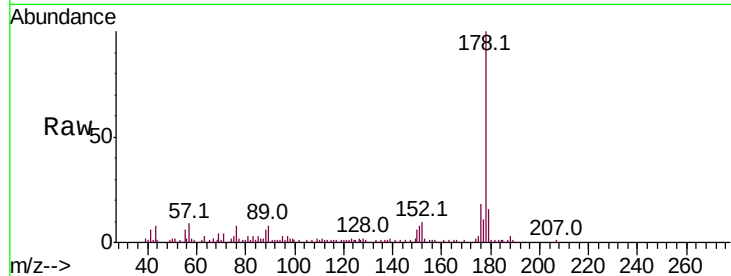
#70
Phenanthrene
Concen: 5.170 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Instrument :
BNA_F
ClientSampleId :
SOUTH-PATERSON-PILE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.6	13.0	19.6

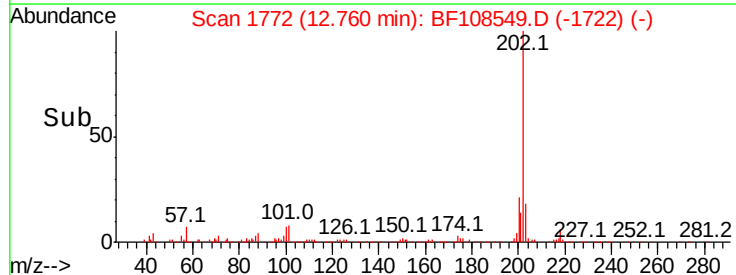
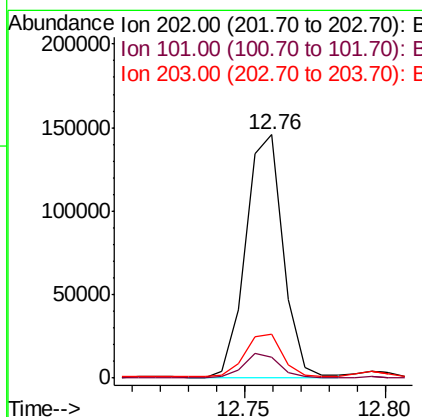
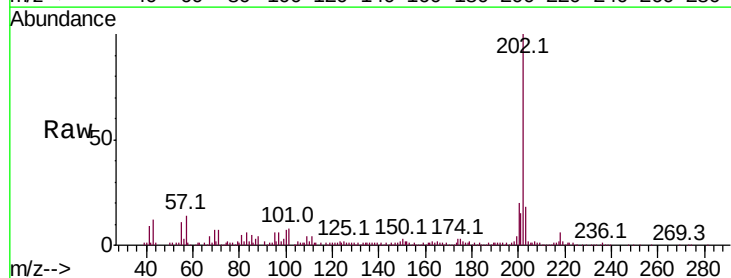
Manual Integrations
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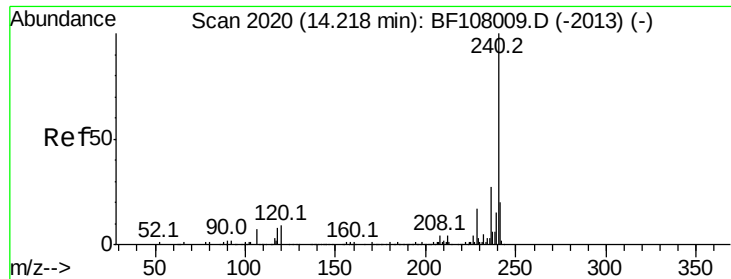
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#74
Fluoranthene
Concen: 9.600 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Instrument :

BNA_F

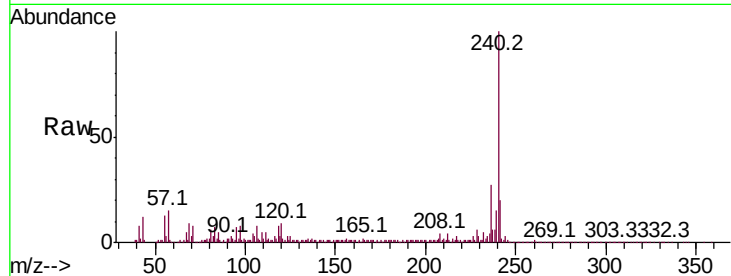
ClientSampleId :

SOUTH-PATERSON-PILE

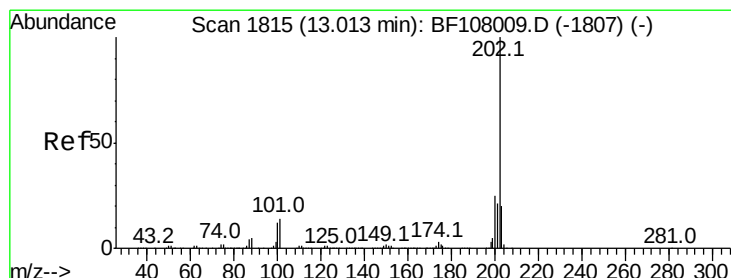
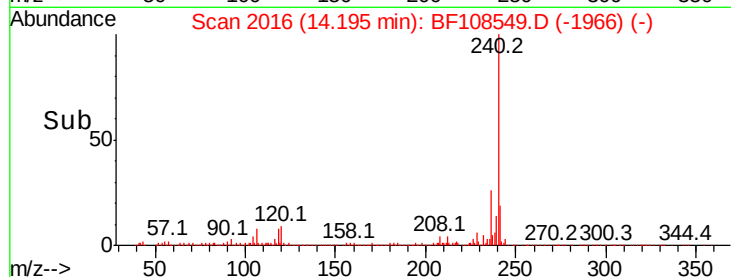
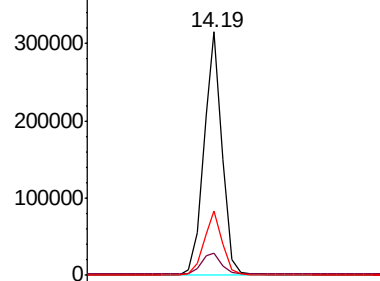
Tot Ion:	240	Resp:	268635
Ion Ratio	Lower	Upper	
240	100		
120	9.1	9.5	14.3#
236	26.6	20.7	31.1

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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



#77

Pyrene

Concen: 7.999 ng

RT: 12.99 min Scan# 1811

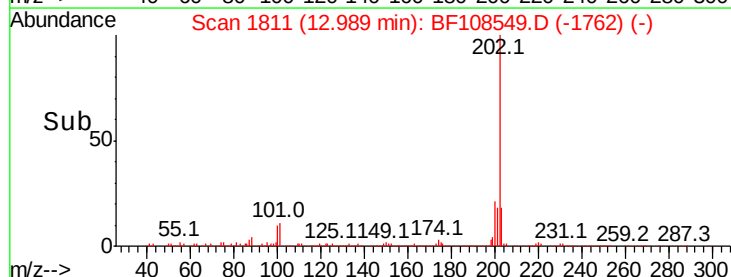
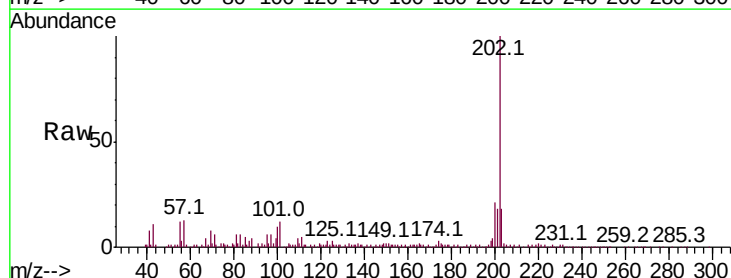
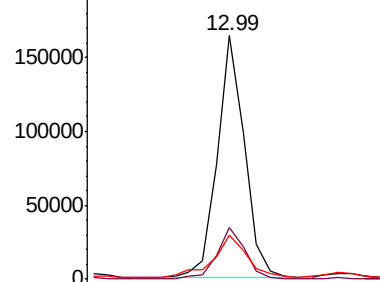
Delta R.T. -0.01 min

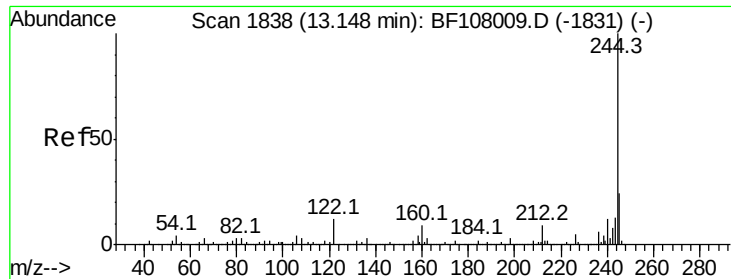
Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Tgt Ion:	202	Resp:	136045
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	18.1	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





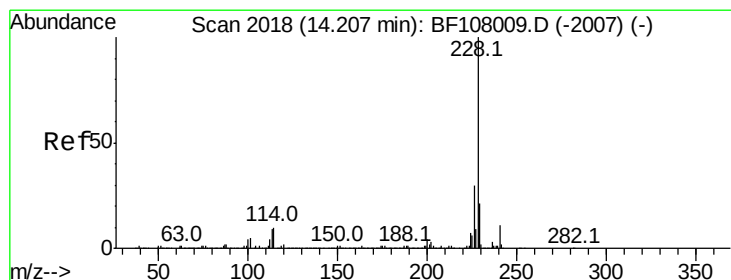
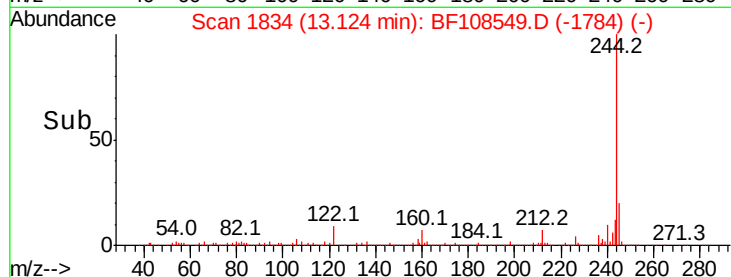
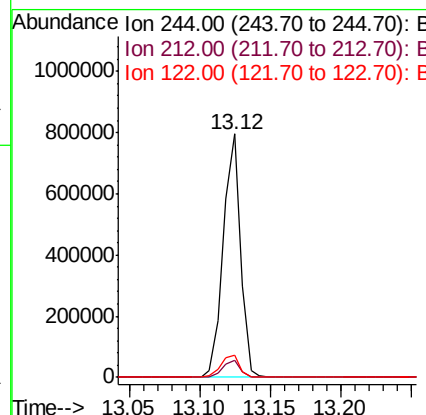
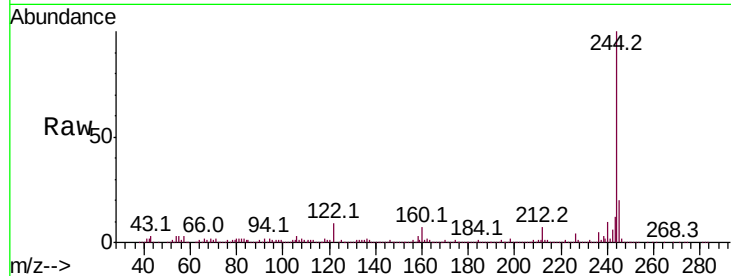
#78
 Terphenyl-d14
 Concen: 64.287 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108549.D
 Acq: 28 Aug 2018 9:33

Instrument :
 BNA_F
 ClientSampleId :
 SOUTH-PATERSON-PILE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	9.0	11.0	16.4

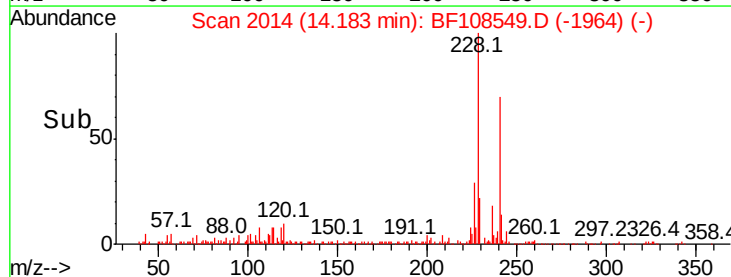
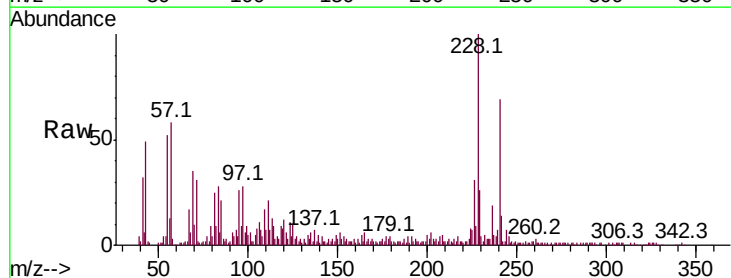
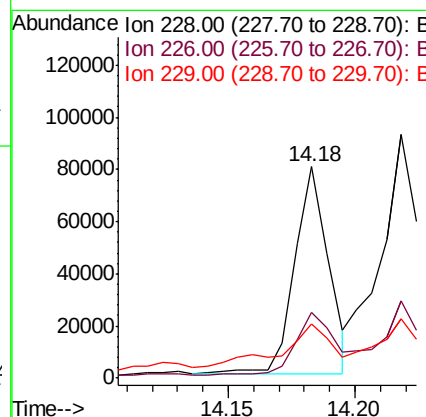
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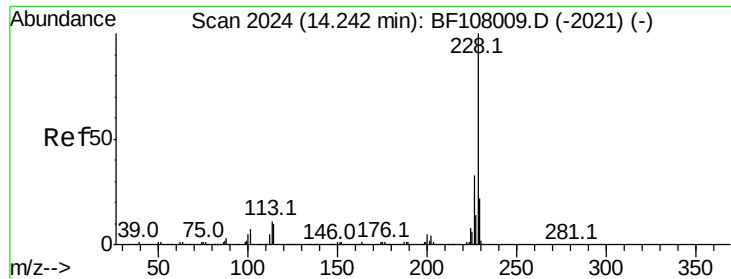
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#80
 Benzo(a)anthracene
 Concen: 4.766 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF108549.D
 Acq: 28 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	25.8	15.8	23.6





#82

Chrysene

Concen: 6.966 ng/mL

RT: 14.22 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF108549.D

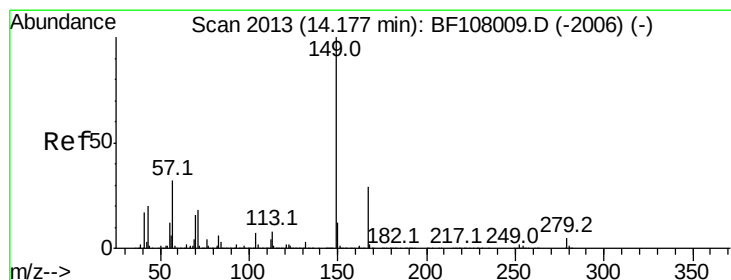
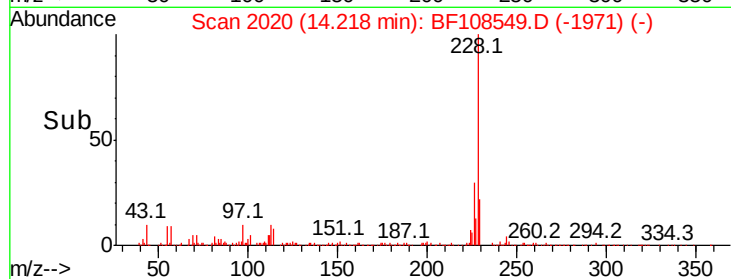
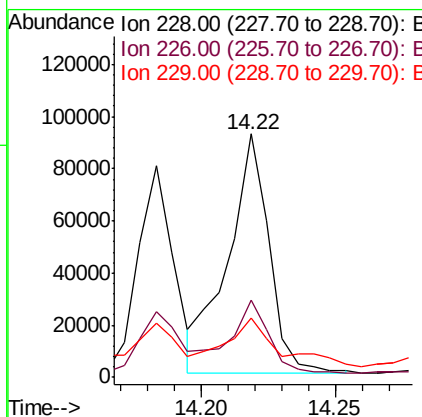
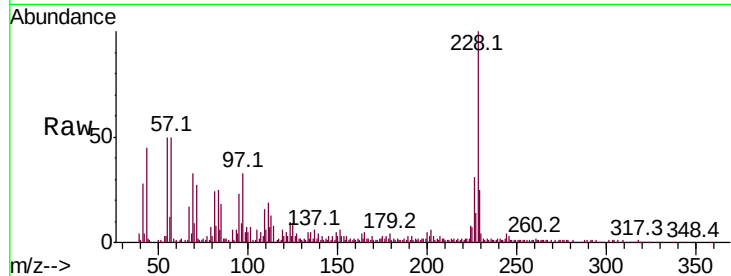
Acq: 28 Aug 2018 9:33

Instrument :
BNA_F
ClientSampleId :
SOUTH-PATERSON-PILE

Tot Ion:	228	Resp:	98464
Ion Ratio	Lower	Upper	
228	100		
226	31.5	25.0	37.6
229	24.5	16.2	24.4#

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#83

Bis(2-ethylhexyl)phthalate

Concen: 4.103 ng/mL

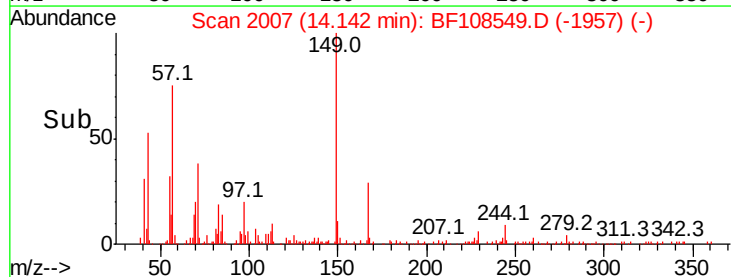
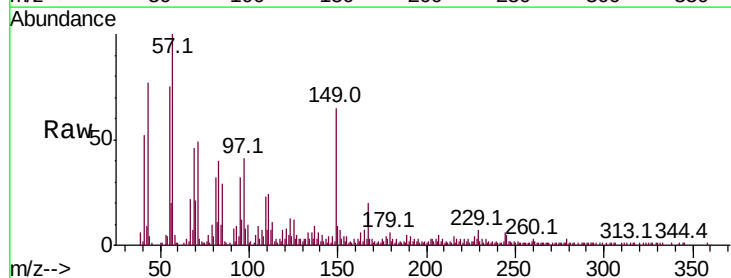
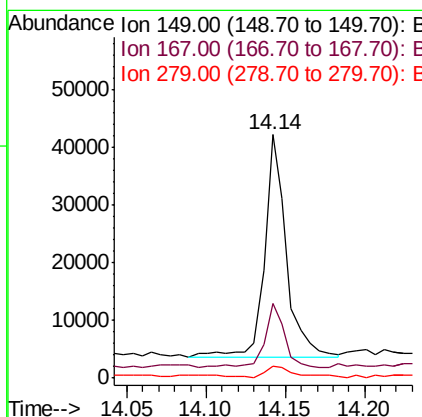
RT: 14.14 min Scan# 2007

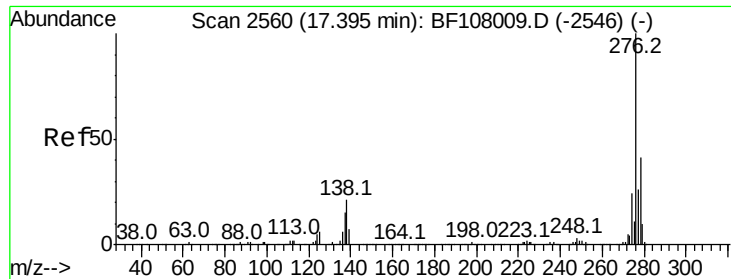
Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Tgt Ion:	149	Resp:	37526
Ion Ratio	Lower	Upper	
149	100		
167	30.6	21.3	31.9
279	4.7	3.0	4.4#





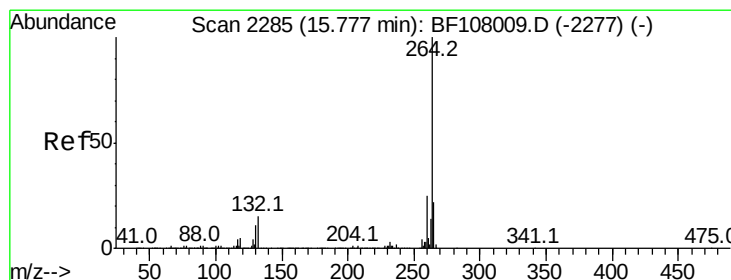
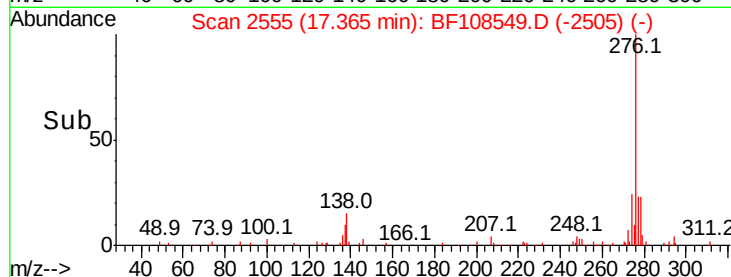
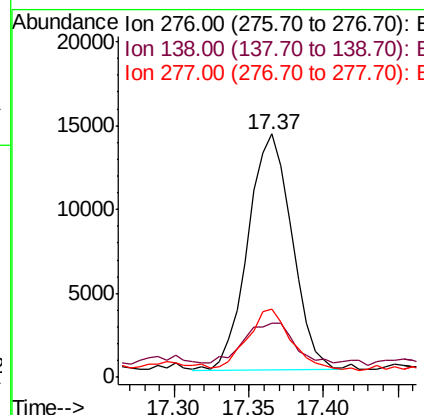
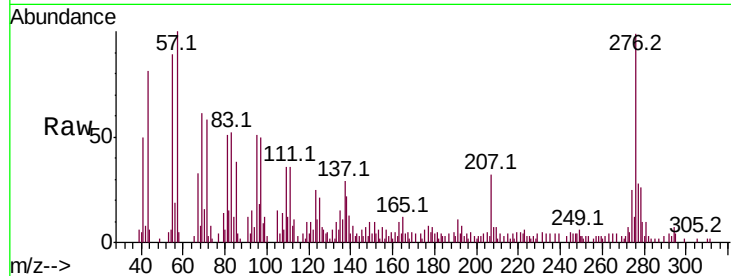
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.361 ng
RT: 17.37 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Instrument :
BNA_F
ClientSampleId :
SOUTH-PATERSON-PILE

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	25.0	37.6#
277	25.3	20.1	30.1

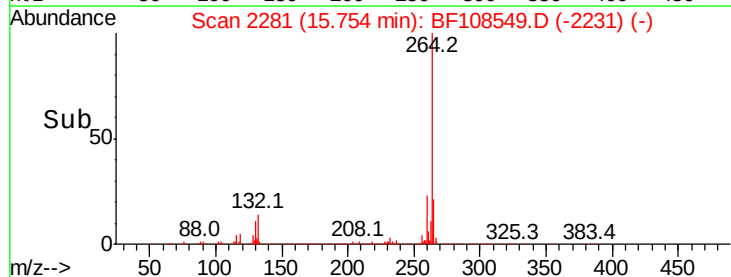
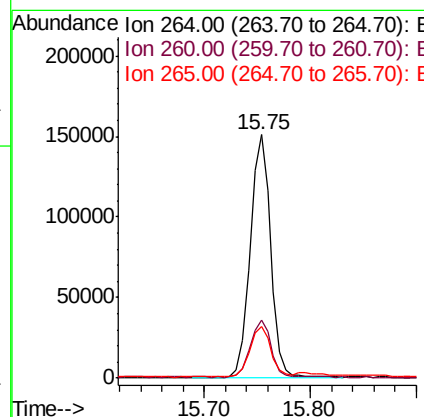
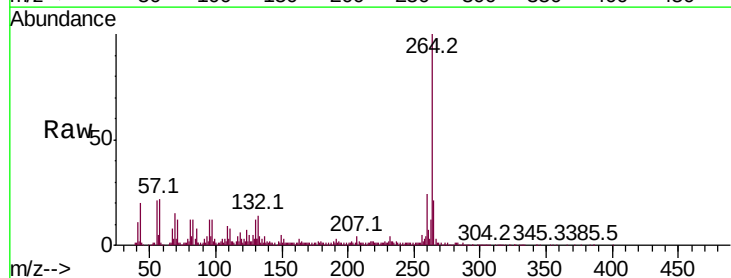
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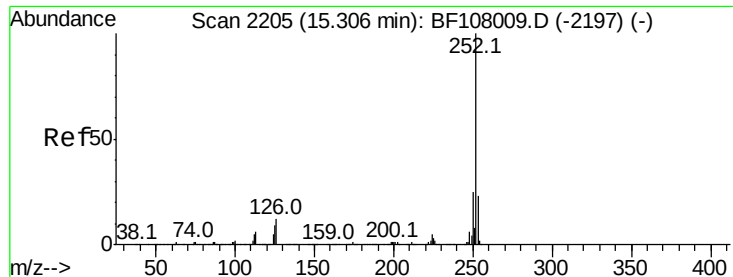
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 6.594 ng m

RT: 15.28 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Instrument :

BNA_F

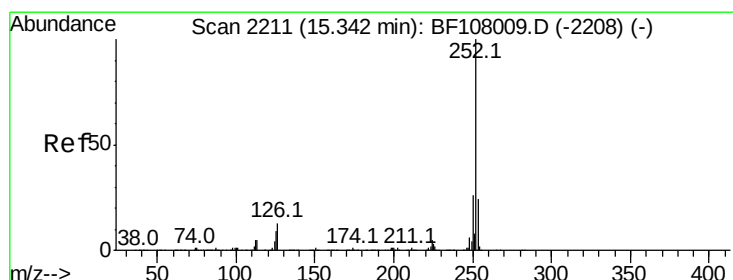
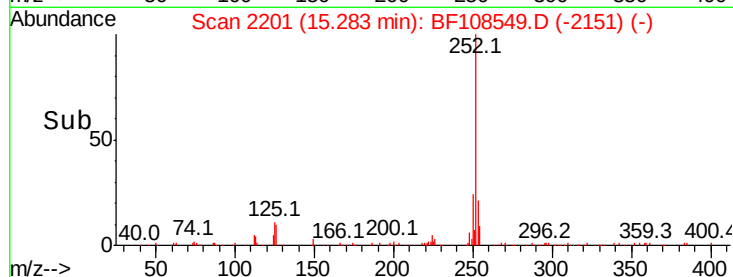
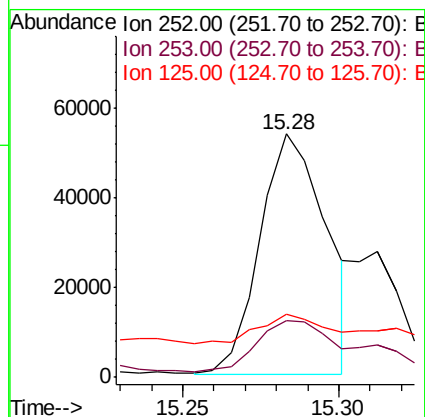
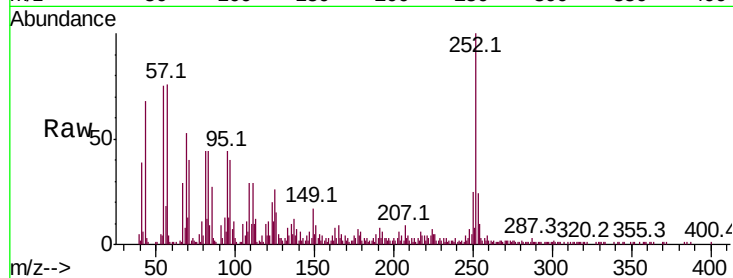
ClientSampleId :

SOUTH-PATERSON-PILE

Tot Ion:	252	Resp:	79710
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	25.8	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 2.789 ng m

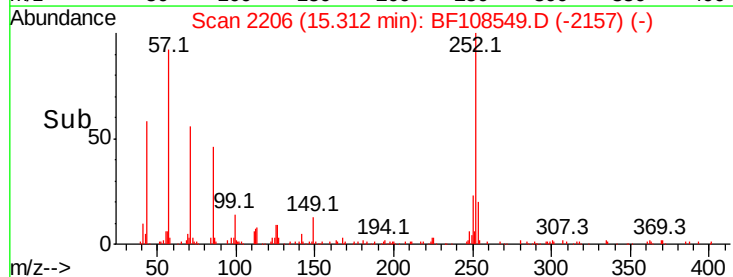
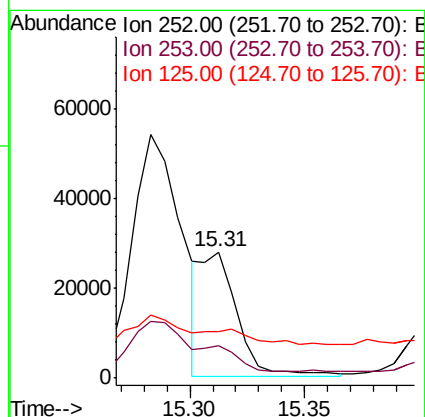
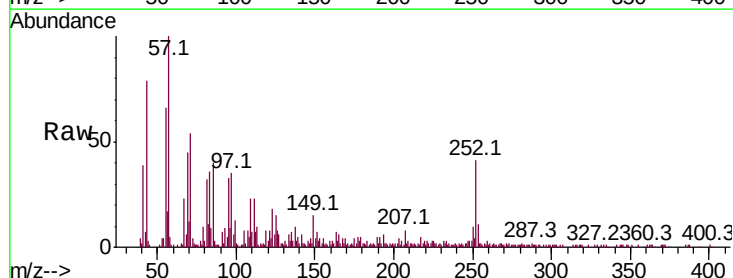
RT: 15.31 min Scan# 2206

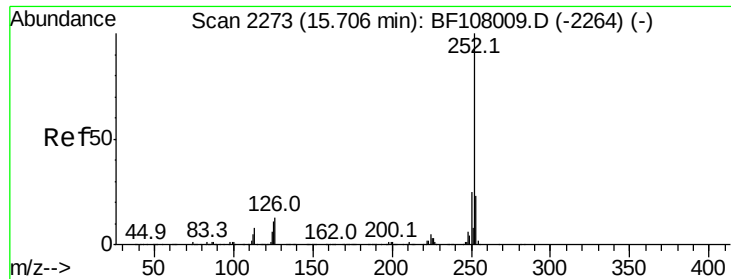
Delta R.T. -0.01 min

Lab File: BF108549.D

Acq: 28 Aug 2018 9:33

Tgt Ion:	252	Resp:	30988
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.9	26.9
125	37.0	10.2	15.2#





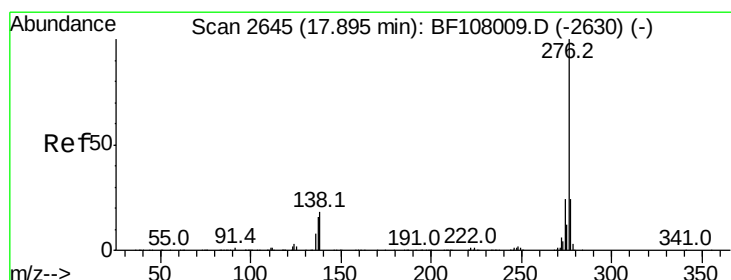
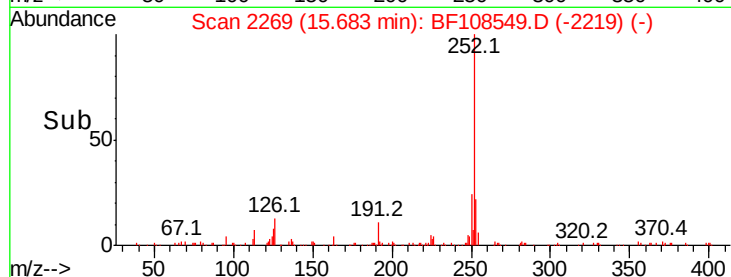
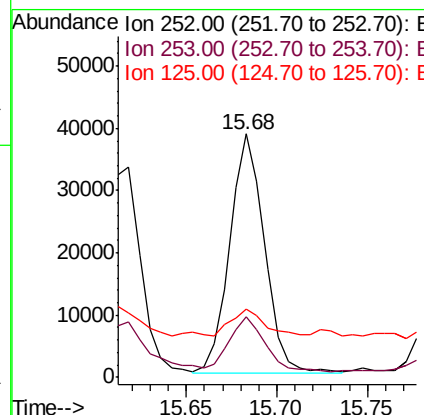
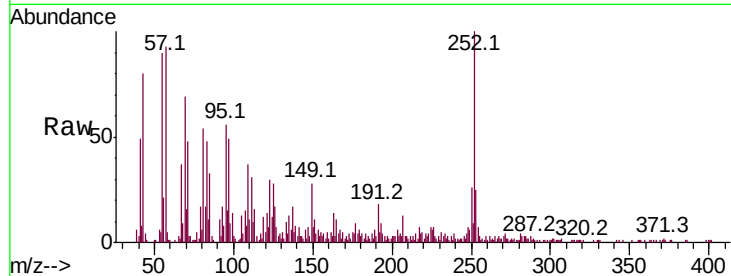
#89
Benzo(a)pyrene
Concen: 4.706 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Instrument :
BNA_F
ClientSampleId :
SOUTH-PATERSON-PILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	28.0	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 3.587 ng
RT: 17.85 min Scan# 2638
Delta R.T. -0.01 min
Lab File: BF108549.D
Acq: 28 Aug 2018 9:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.6	17.9	26.9
138	20.4	21.8	32.8

