

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\
 Data File : BF112609.D
 Acq On : 18 Feb 2019 19:00
 Operator : JU/SJ
 Sample : K1518-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-7

Manual Integrations
 APPROVED

Sohil
 2/19/2019 11:57:32 AM

Quant Time: Feb 19 10:42:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	59984	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	239801	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	119258	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	228590	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	158813	20.00	ng	-0.01
87) Perylene-d12	15.47	264	148006	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	360916	127.80	ng	-0.03
7) Phenol-d6	6.47	99	466755	118.95	ng	-0.02
23) Nitrobenzene-d5	7.39	82	299498	71.96	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	160106	115.34	ng	-0.02
45) 2-Fluorobiphenyl	9.18	172	585540	69.44	ng	-0.02
79) Terphenyl-d14	12.93	244	609159	72.24	ng	-0.02
Target Compounds						
10) Phenol	6.49	94	9971	2.316	ng	Qvalue # 64
49) Acenaphthylene	9.72	152	30363	2.562	ng	99
50) Dimethylphthalate	9.57	163	50222	5.420	ng	99
71) Phenanthrene	11.37	178	107077	9.010	ng	97
72) Anthracene	11.43	178	40629	3.432	ng	98
73) Carbazole	11.59	167	26891	2.303	ng	96
75) Fluoranthene	12.57	202	205951	16.158	ng	97
78) Pyrene	12.80	202	199634	18.156	ng	99
81) Benzo(a)anthracene	13.99	228	85441	9.152	ng	98
83) Chrysene	14.02	228	93143	10.452	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	60383m	8.551	ng	
88) Benzo(b)fluoranthene	15.04	252	158666m	17.925	ng	
89) Benzo(k)fluoranthene	15.07	252	44779m	5.282	ng	
90) Benzo(a)pyrene	15.42	252	73801	9.266	ng	97
91) Dibenzo(a,h)anthracene	16.96	278	14759	2.299	ng	# 79
92) Benzo(g,h,i)perylene	17.42	276	60941	10.063	ng	97

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

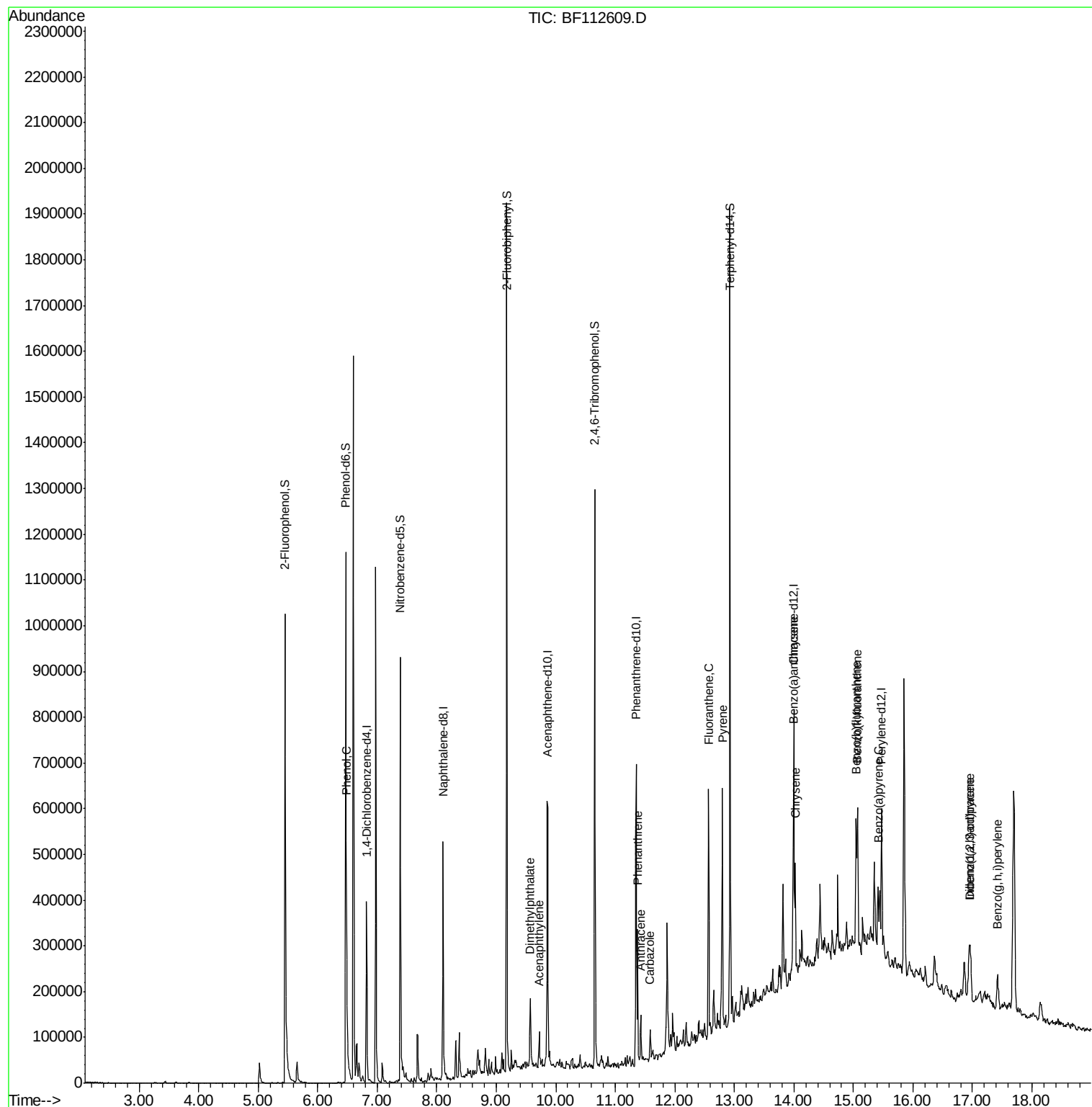
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\
Data File : BF112609.D
Acq On : 18 Feb 2019 19:00
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Sample : K1518-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

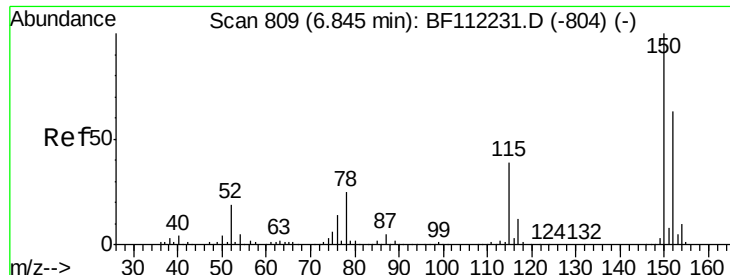
Instrument :
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CABLE-BRIDGE-FOUNDATION-D-7

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

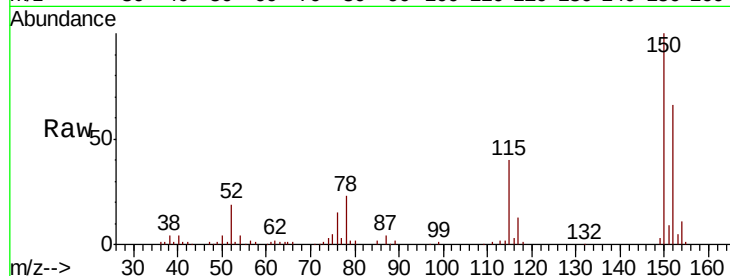
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	127.4	191.0
115	60.6	45.5	68.3

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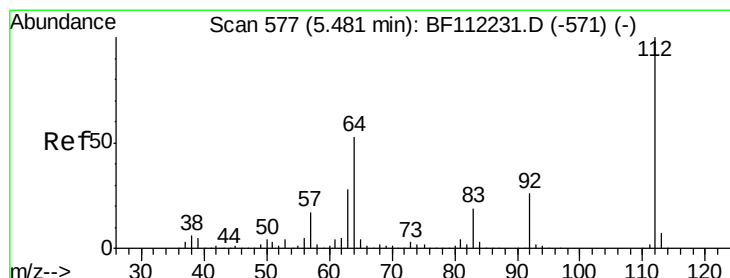
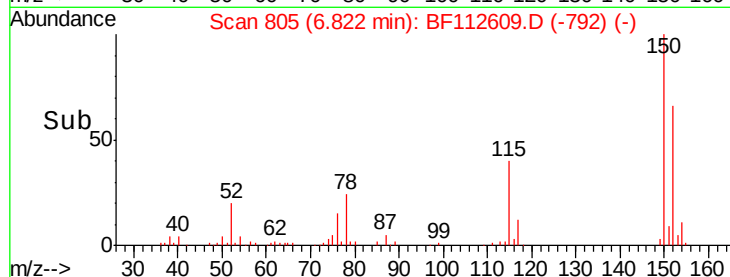
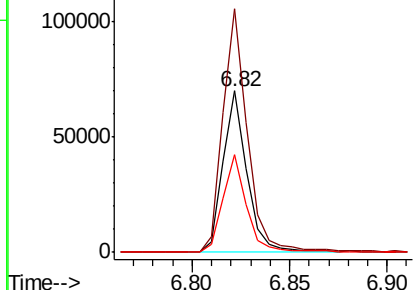


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

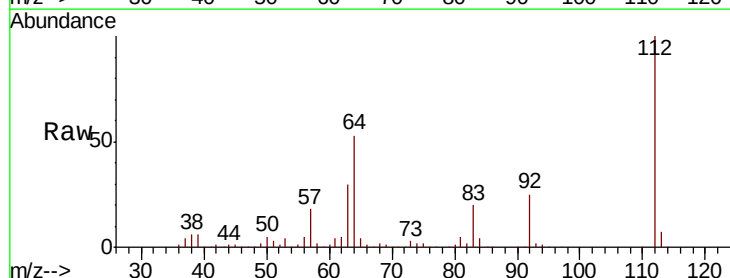
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 127.802 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.03 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	45.7	68.5
63	30.2	23.6	35.4

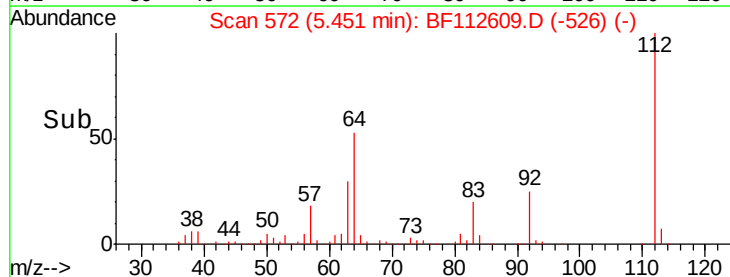
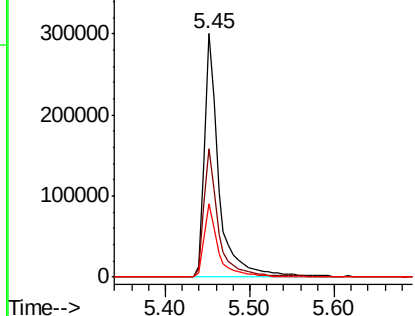


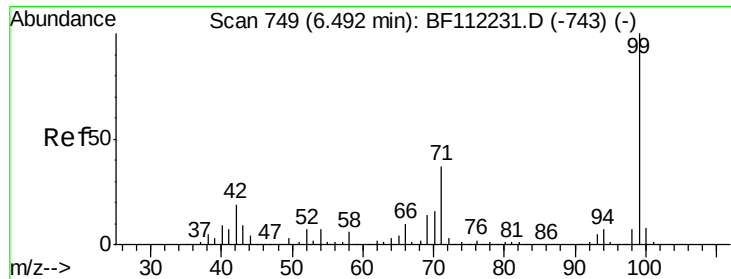
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 118.945 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112609.D

Acq: 18 Feb 2019 19:00

Instrument :

BNA_F

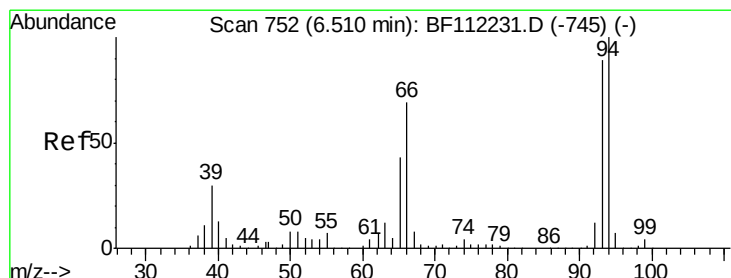
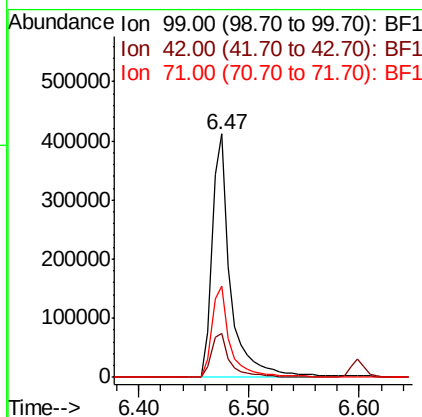
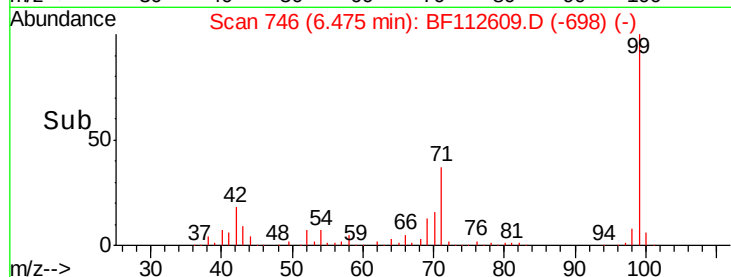
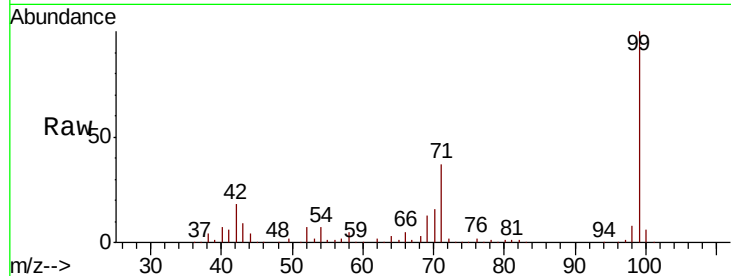
ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-7

Tot Ion:	99	Resp:	466755
Ion Ratio	Lower	Upper	
99	100		
42	18.0	15.1	22.7
71	37.4	26.9	40.3

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#10

Phenol

Concen: 2.316 ng

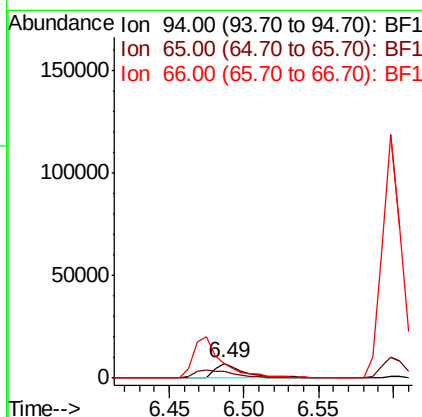
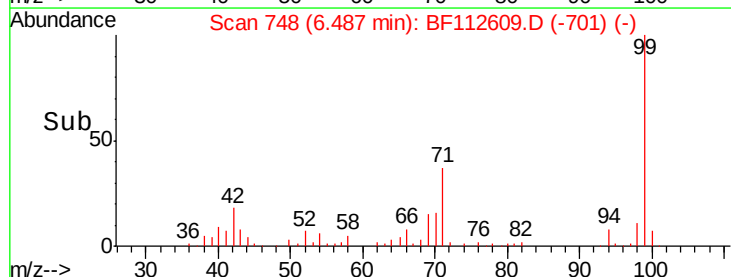
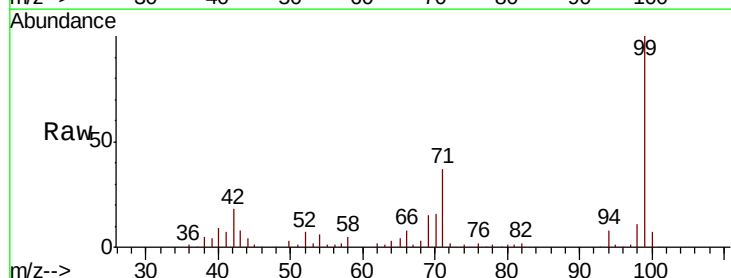
RT: 6.49 min Scan# 748

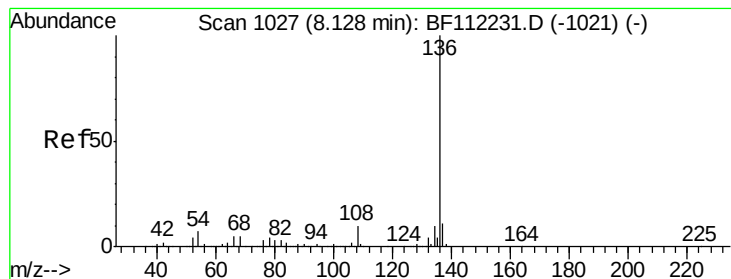
Delta R.T. -0.02 min

Lab File: BF112609.D

Acq: 18 Feb 2019 19:00

Tgt Ion:	94	Resp:	9971
Ion Ratio	Lower	Upper	
94	100		
65	46.3	20.3	60.3
66	103.2	42.4	82.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF112609.D

Acq: 18 Feb 2019 19:00

Instrument :

BNA_F

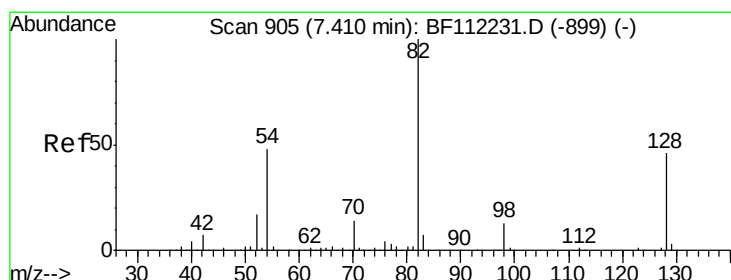
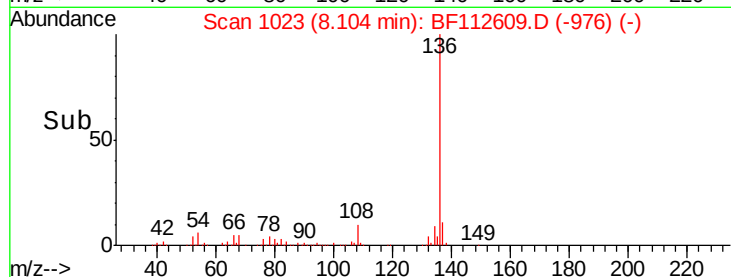
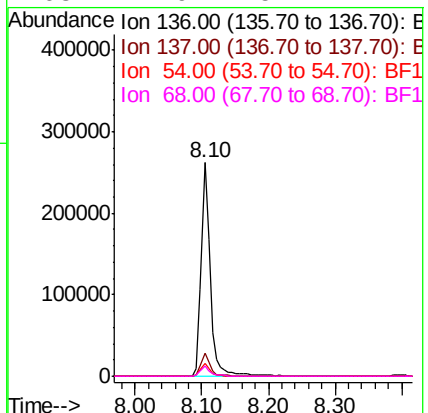
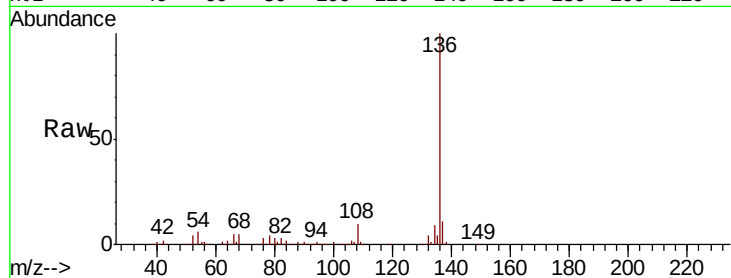
ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-7

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.2	5.9	8.9
68	4.9	5.1	7.7#

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#23

Nitrobenzene-d5

Concen: 71.964 ng

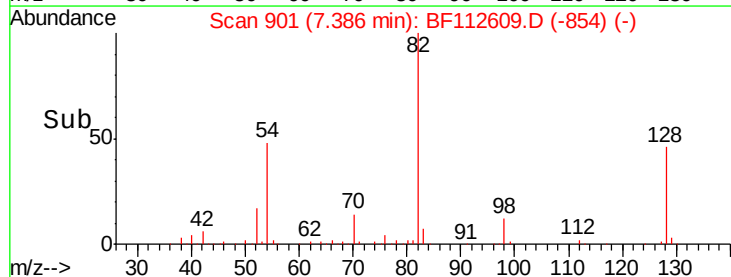
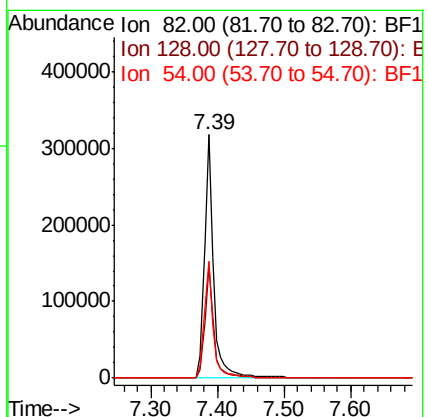
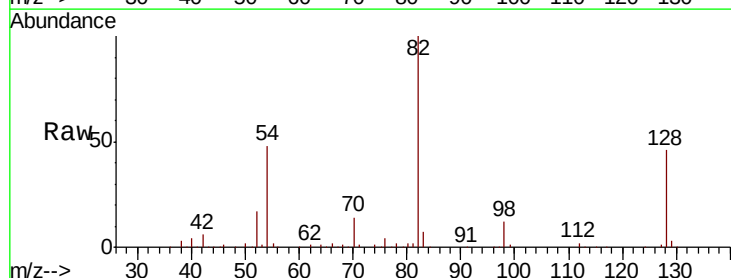
RT: 7.39 min Scan# 901

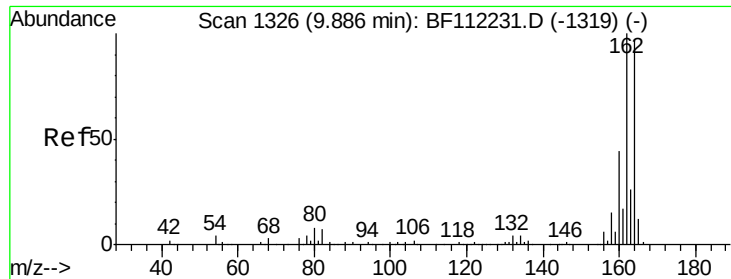
Delta R.T. -0.02 min

Lab File: BF112609.D

Acq: 18 Feb 2019 19:00

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.7	37.8	56.8
54	48.0	39.7	59.5





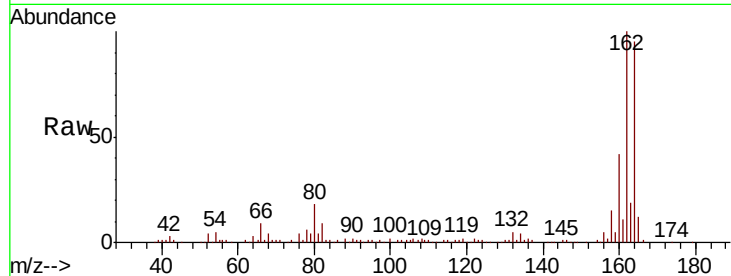
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.03 min
 Lab File: BF112609.D
 Acq: 18 Feb 2019 19:00

Instrument :
 BNA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-7

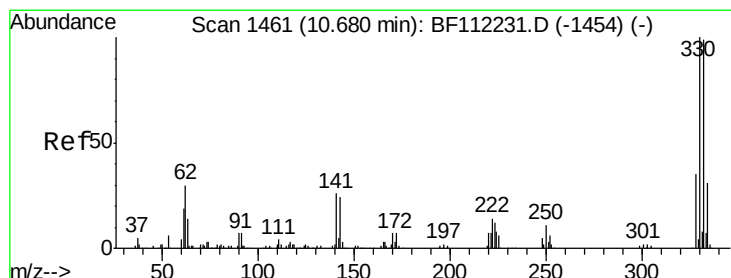
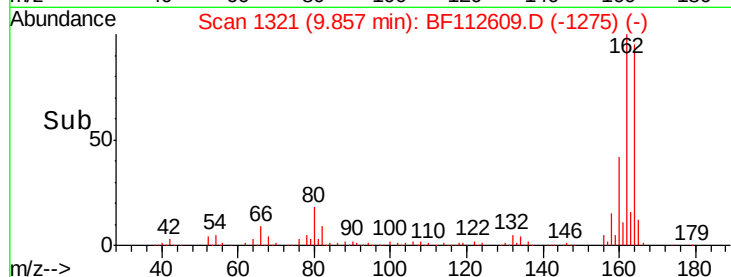
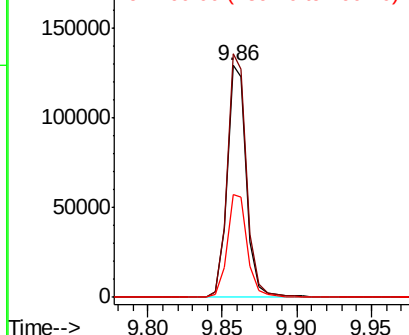
Tot Ion:	164	Resp:	119258
Ion Ratio	Lower	Upper	
164	100		
162	104.9	82.2	123.4
160	44.4	36.2	54.4

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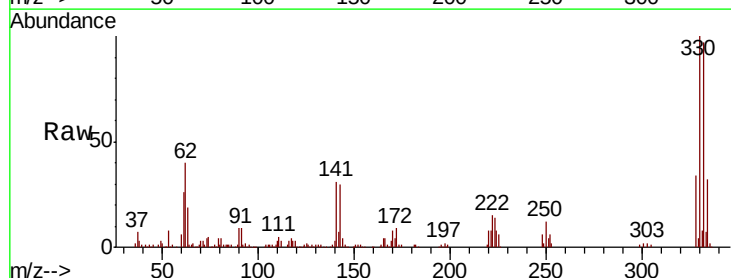


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

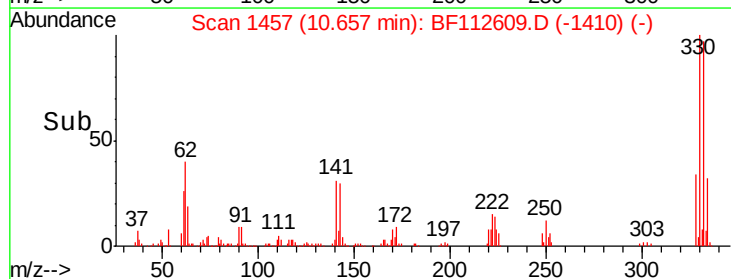
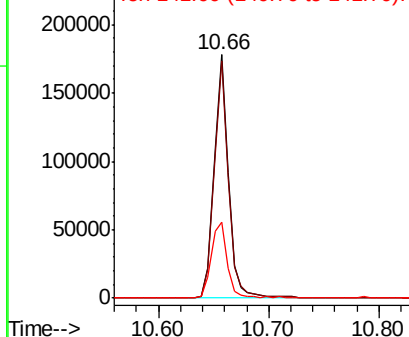


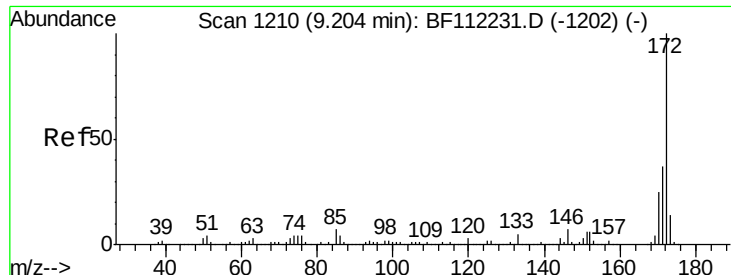
#42
 2,4,6-Tribromophenol
 Concen: 115.339 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF112609.D
 Acq: 18 Feb 2019 19:00

Tgt Ion:	330	Resp:	160106
Ion Ratio	Lower	Upper	
330	100		
332	96.9	76.6	114.8
141	34.5	24.3	36.5



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





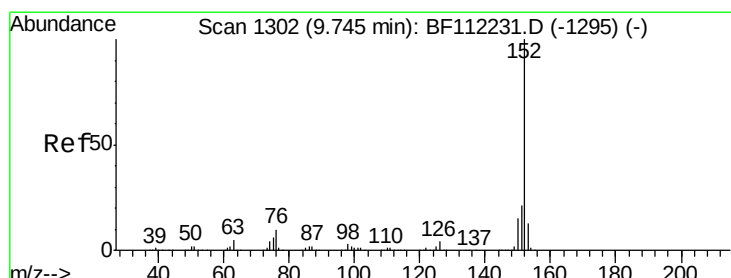
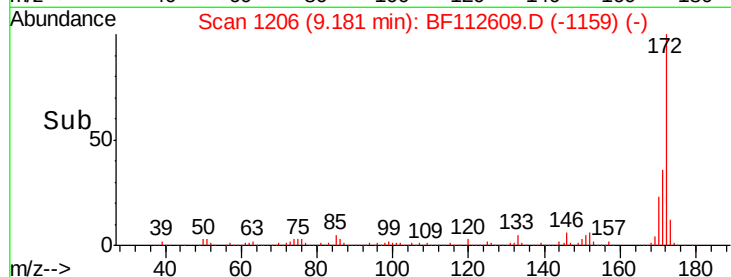
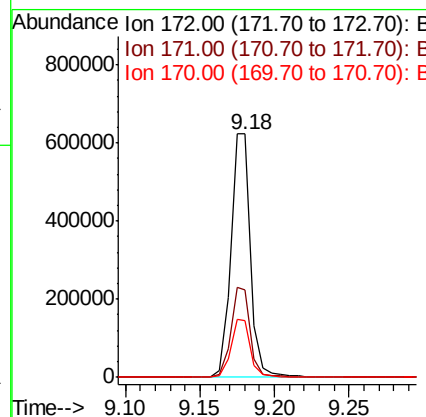
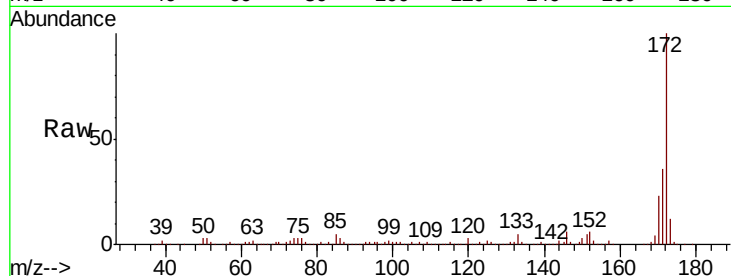
#45
2-Fluorobiphenyl
Concen: 69.442 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

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Tot Ion	Ratio	Resp	Lower	Upper
172	100	585540		
171	35.9		30.5	45.7
170	23.3		20.2	30.4

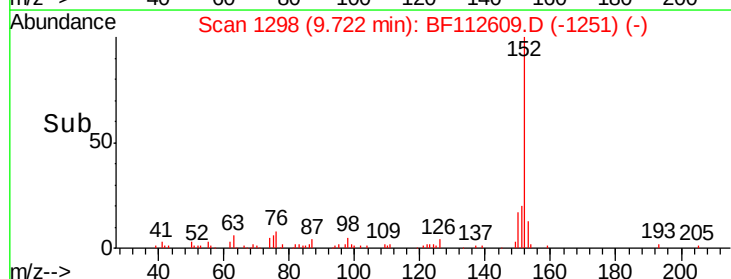
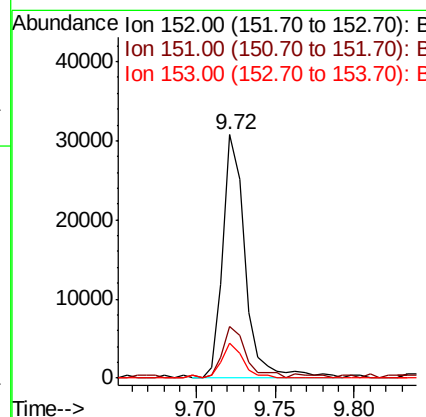
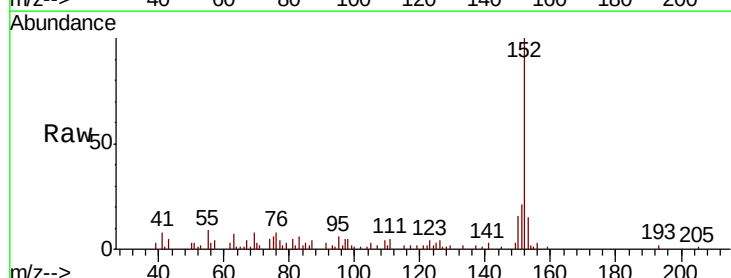
Manual Integrations
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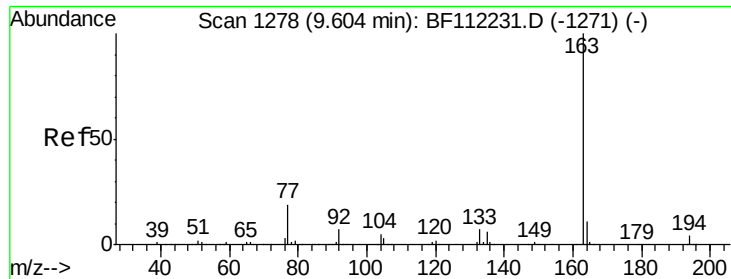
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#49
Acenaphthylene
Concen: 2.562 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	30363		
151	21.3		17.0	25.6
153	14.5		11.2	16.8





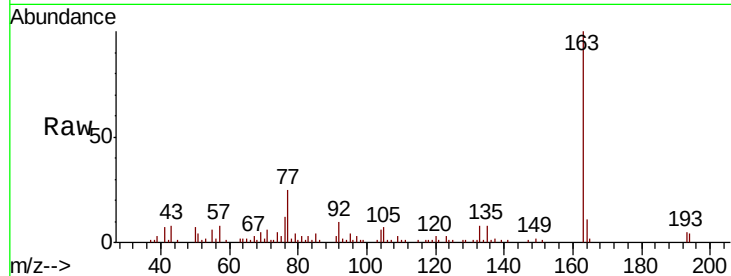
#50
Dimethylphthalate
Concen: 5.420 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.04 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Instrument :
BNA_F
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CABLE-BRIDGE-FOUNDATION-D-7

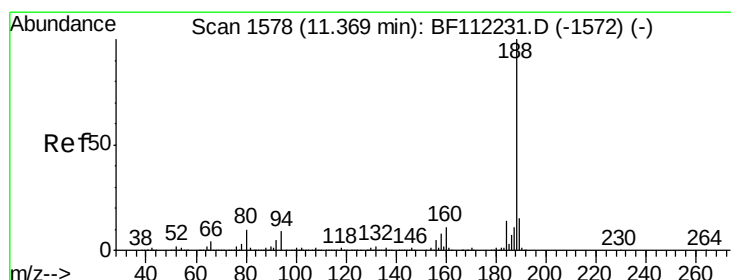
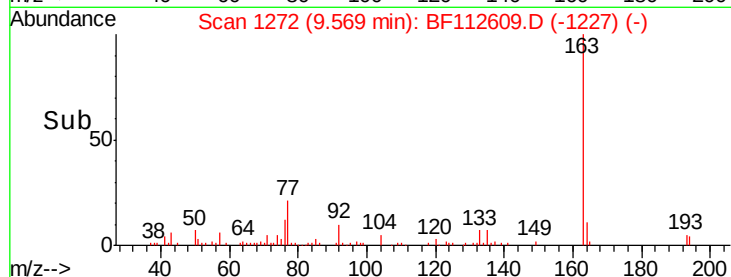
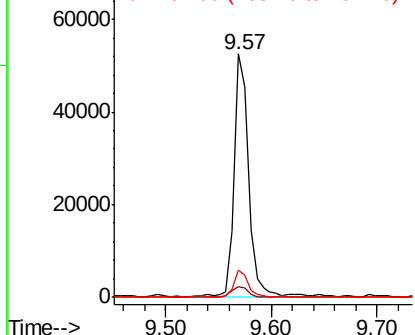
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	3.3	4.9	
164	11.0	8.5	12.7	

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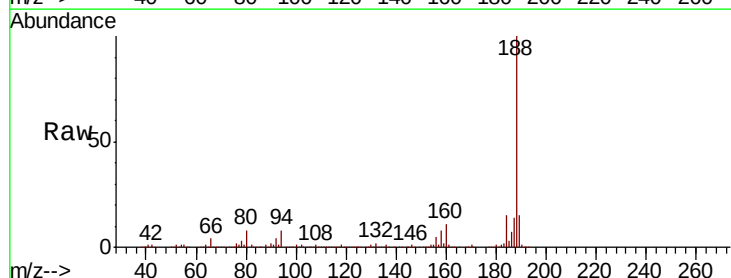


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

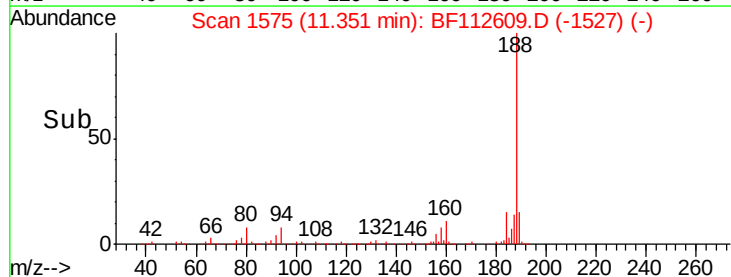
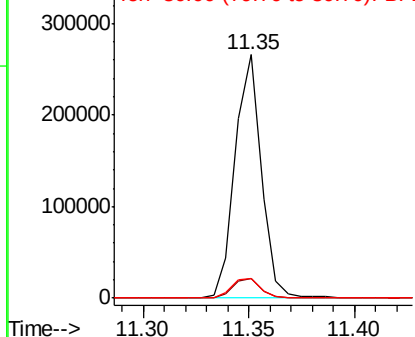


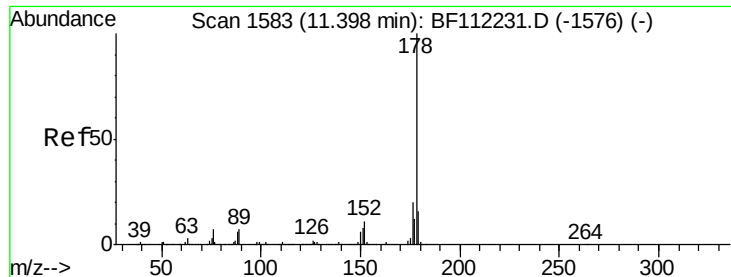
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	7.8	8.2	12.2#	
80	8.3	8.9	13.3#	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





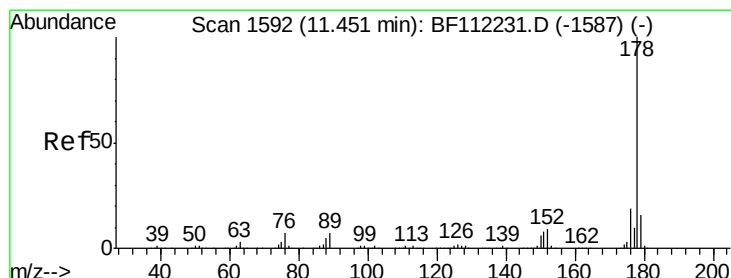
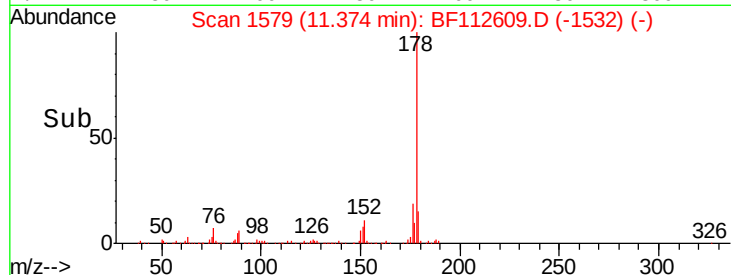
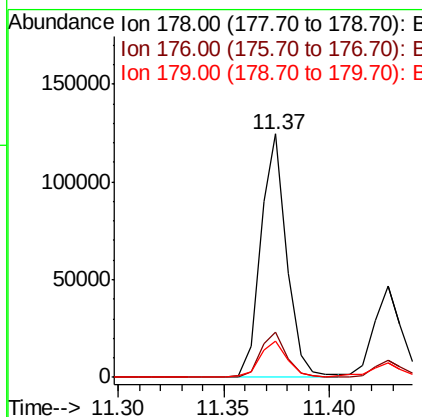
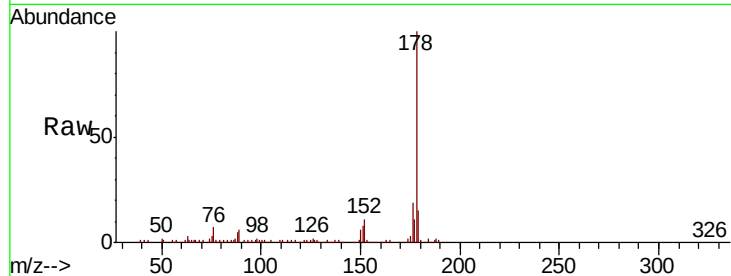
#71
Phenanthrene
Concen: 9.010 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.02 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.3	24.5
179	15.0	13.0	19.4

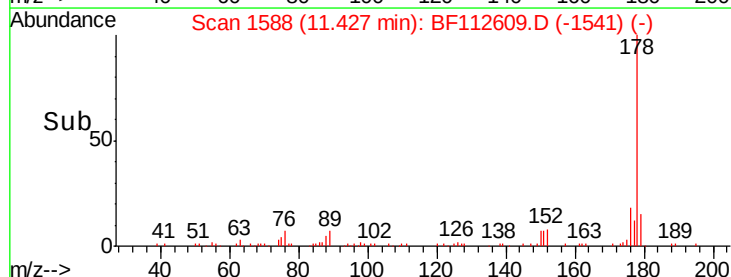
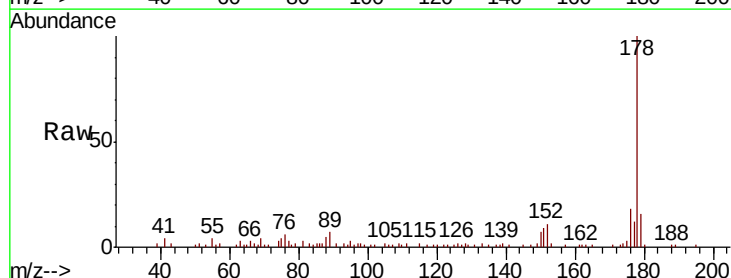
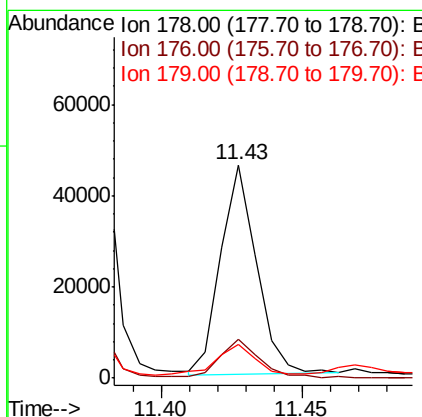
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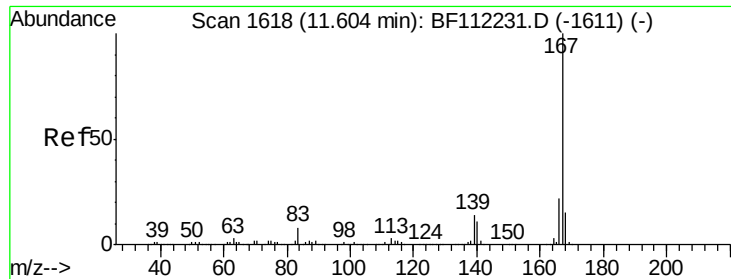
Sohil
2/19/2019 11:57:32 AM



#72
Anthracene
Concen: 3.432 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.5	23.3
179	15.8	12.8	19.2





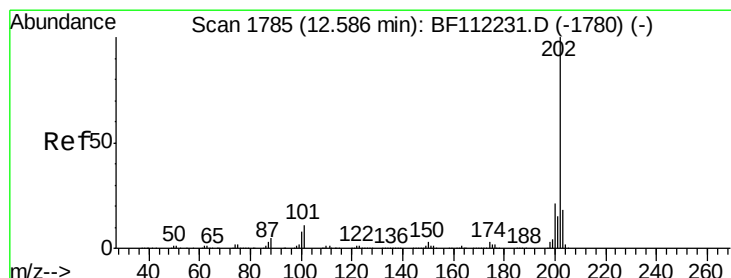
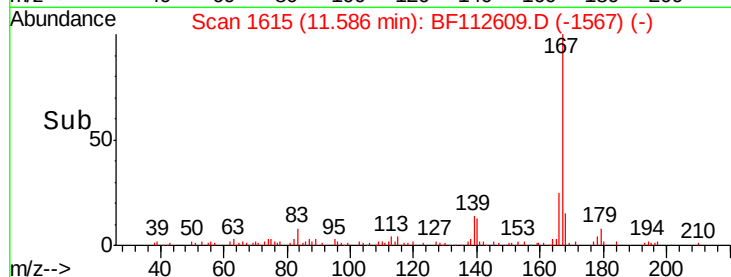
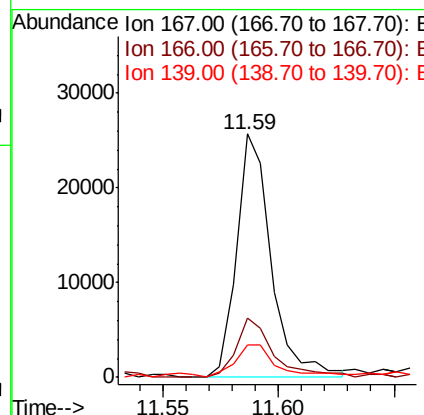
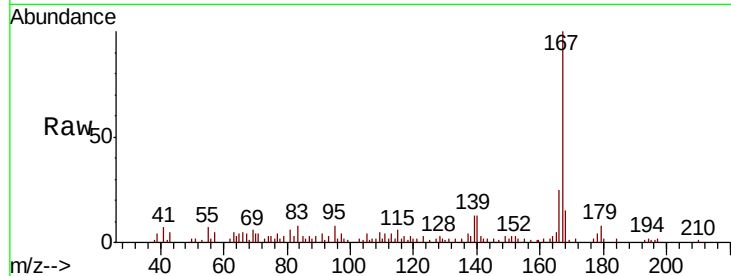
#73
 Carbazole
 Concen: 2.303 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.02 min
 Lab File: BF112609.D
 Acq: 18 Feb 2019 19:00

Instrument :
 BNA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-7

Tot Ion:	167	Resp:	26891
Ion Ratio	Lower	Upper	
167	100		
166	24.6	17.9	26.9
139	13.5	10.2	15.2

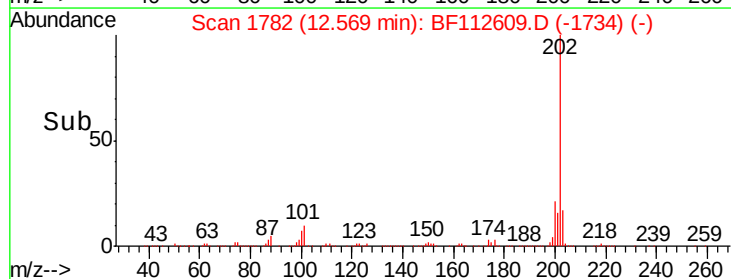
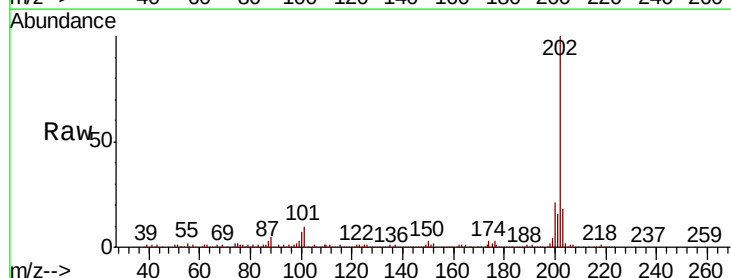
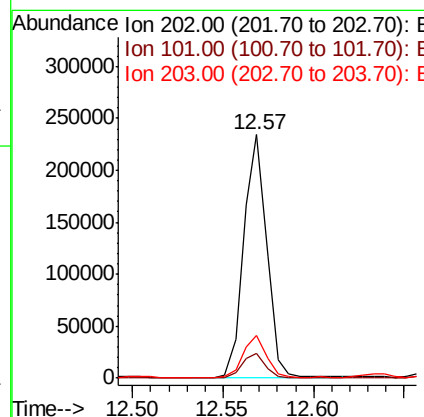
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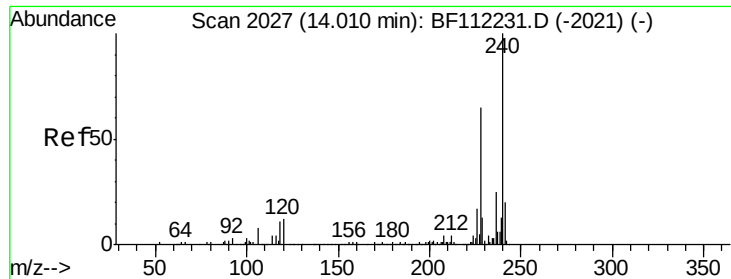
Sohil
 2/19/2019 11:57:32 AM



#75
 Fluoranthene
 Concen: 16.158 ng
 RT: 12.57 min Scan# 1782
 Delta R.T. -0.02 min
 Lab File: BF112609.D
 Acq: 18 Feb 2019 19:00

Tgt Ion:	202	Resp:	205951
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	31.8
203	17.7	0.0	38.4





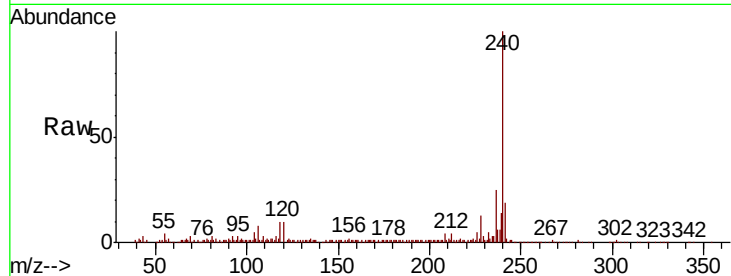
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-7

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	10.3	9.0	13.6
236	25.4	20.7	31.1

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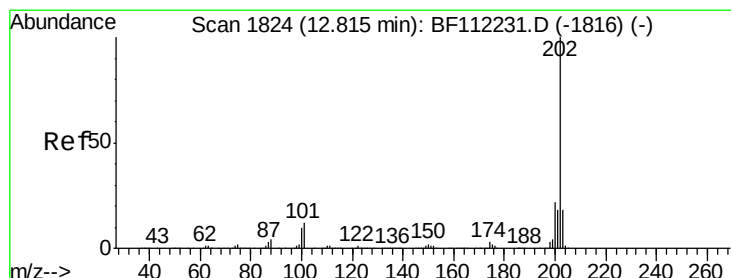
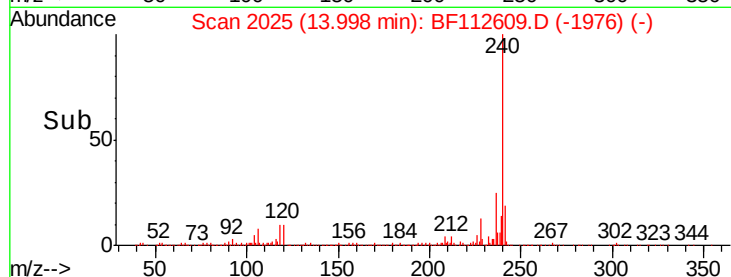
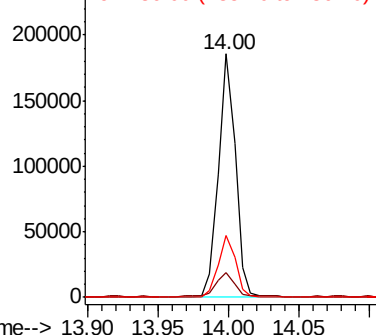


Abundance

Ion 240.00 (239.70 to 240.70): E

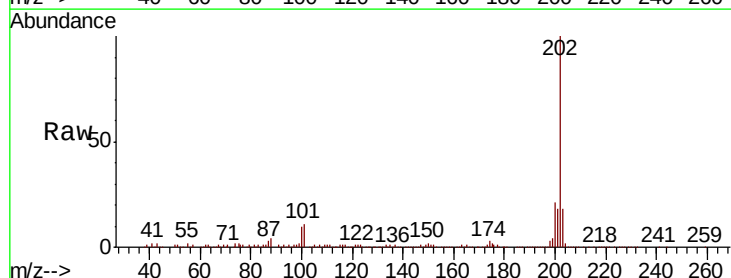
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 18.156 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.7	26.5
203	18.3	14.6	22.0

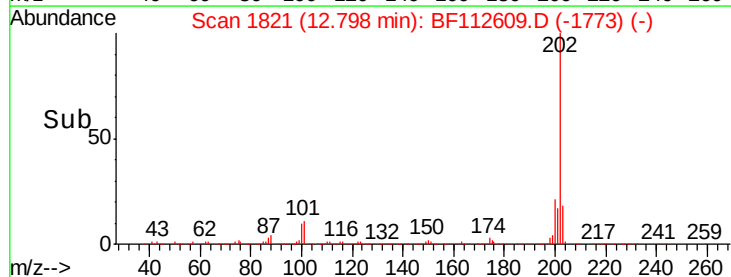
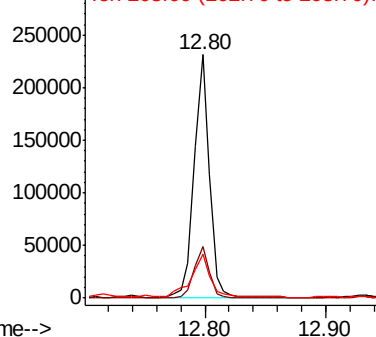


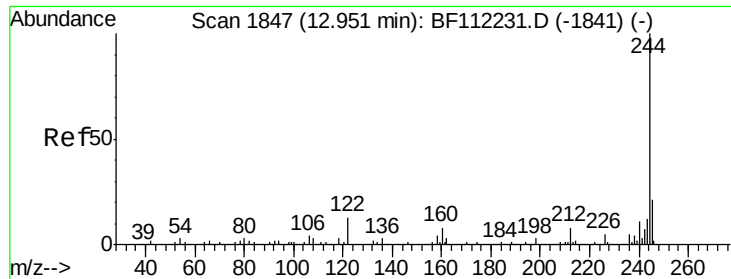
Abundance

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





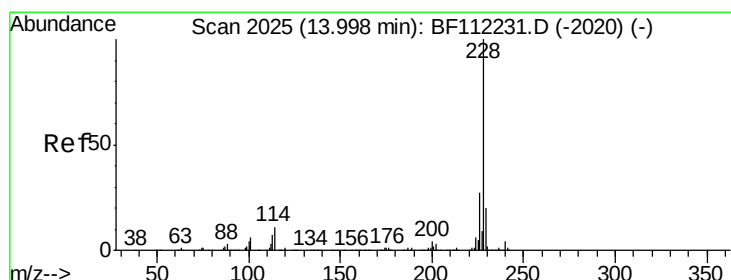
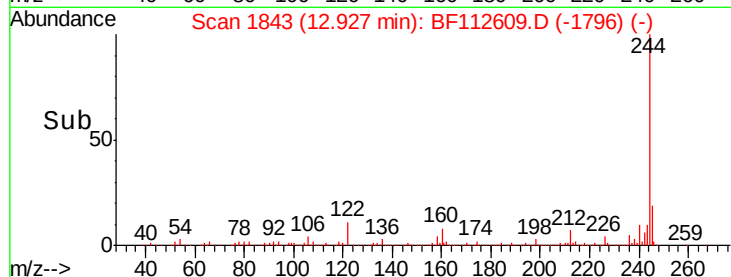
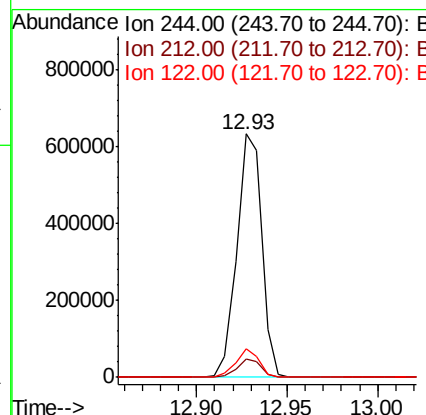
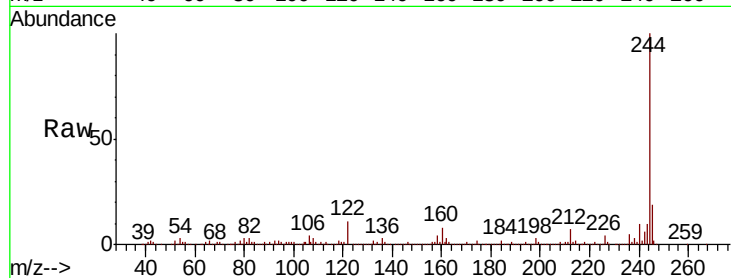
#79
 Terphenyl-d14
 Concen: 72.243 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.02 min
 Lab File: BF112609.D
 Acq: 18 Feb 2019 19:00

Instrument :
 BNA_F
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-7

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.3	5.9	8.9	
122	11.5	9.8	14.6	

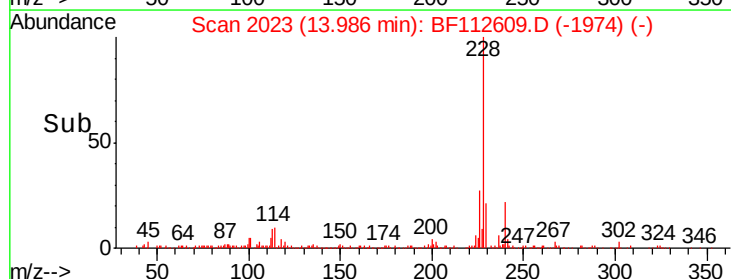
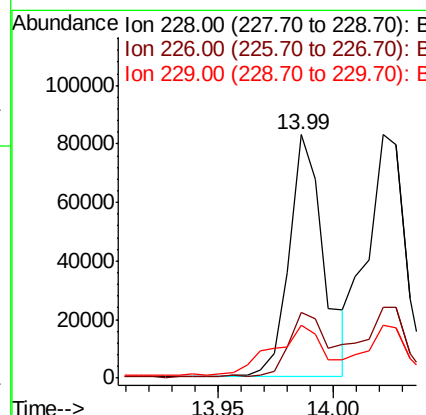
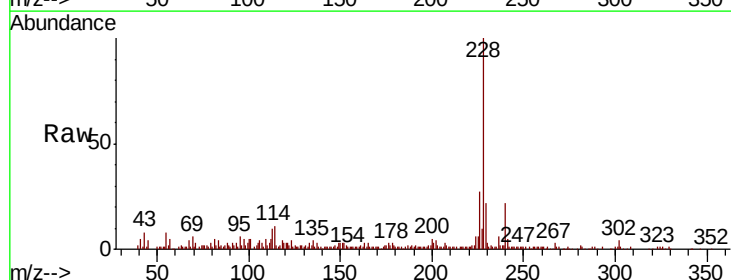
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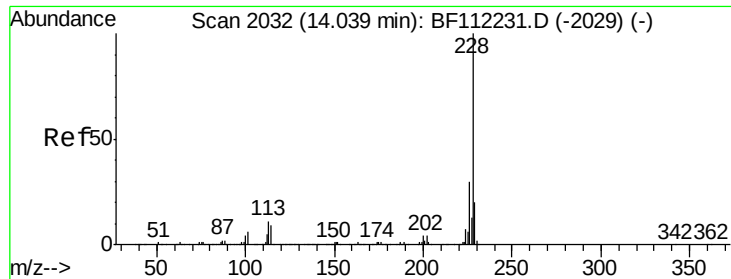
Sohil
 2/19/2019 11:57:32 AM



#81
 Benzo(a)anthracene
 Concen: 9.152 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF112609.D
 Acq: 18 Feb 2019 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	27.2	22.6	34.0	
229	22.0	16.5	24.7	





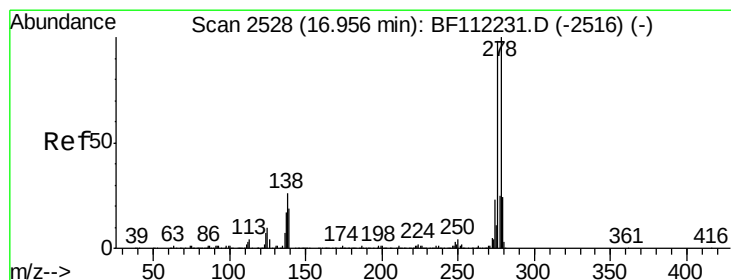
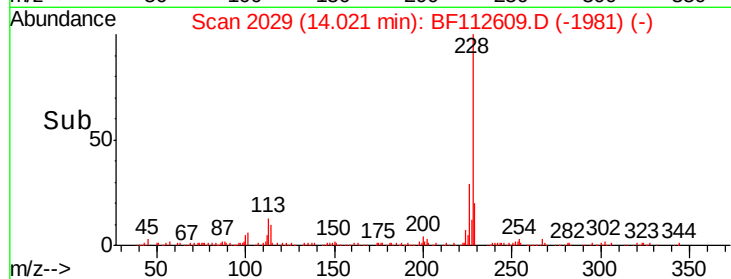
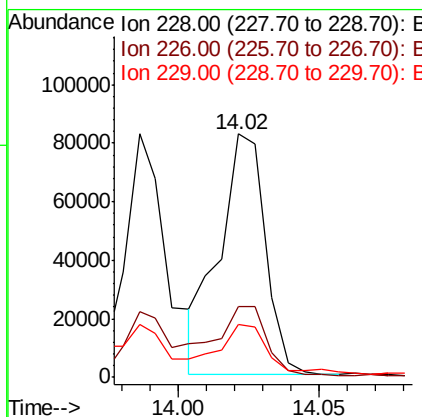
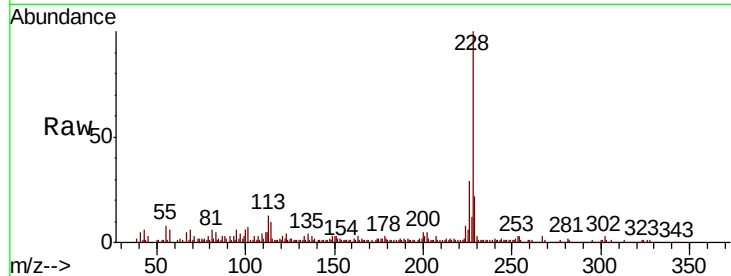
#83
Chrysene
Concen: 10.452 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-7

Tot Ion:228	Resp:	93143
Ion Ratio	Lower	Upper
228 100		
226 29.0	25.0	37.6
229 21.7	16.6	24.8

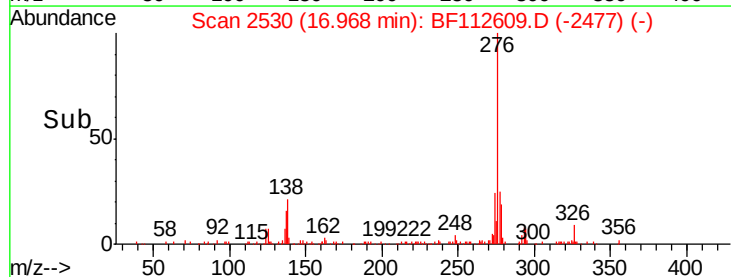
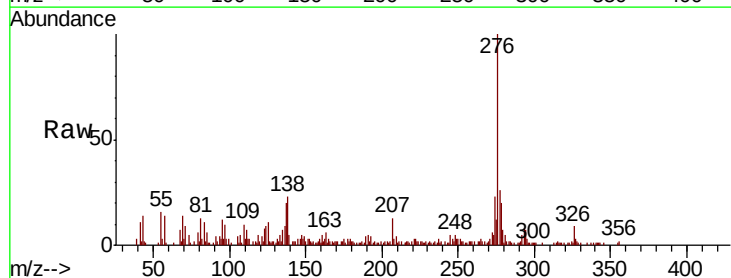
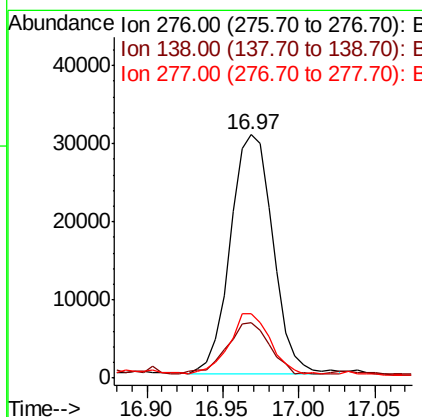
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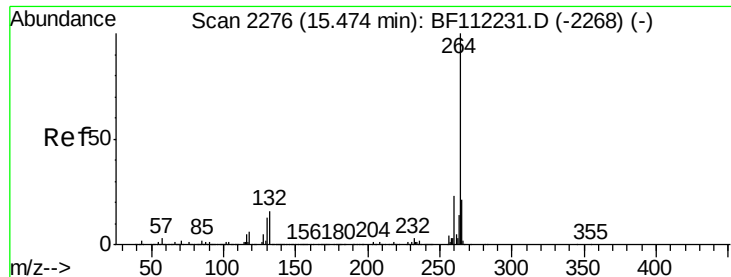
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 8.551 ng m
RT: 16.97 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Tgt Ion:276	Resp:	60383
Ion Ratio	Lower	Upper
276 100		
138 2.3	22.6	34.0#
277 1.8	20.3	30.5#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF112609.D

Acq: 18 Feb 2019 19:00

Instrument :

BNA_F

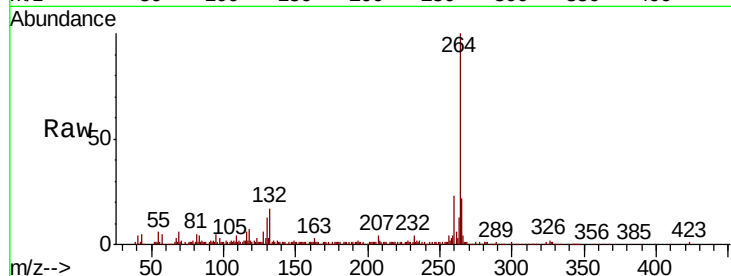
ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-7

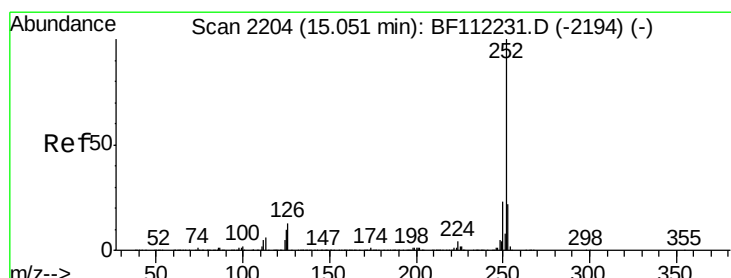
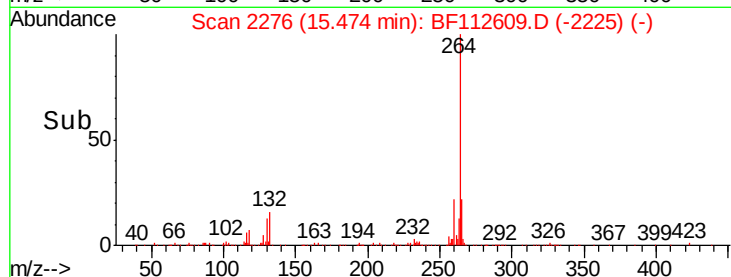
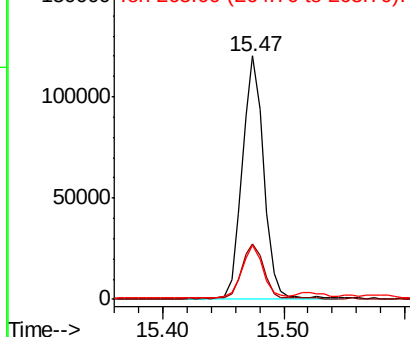
Tot Ion:	264	Resp:	148006
Ion Ratio	Lower	Upper	
264	100		
260	22.9	18.2	27.2
265	22.0	17.0	25.4

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 17.925 ng m

RT: 15.04 min Scan# 2203

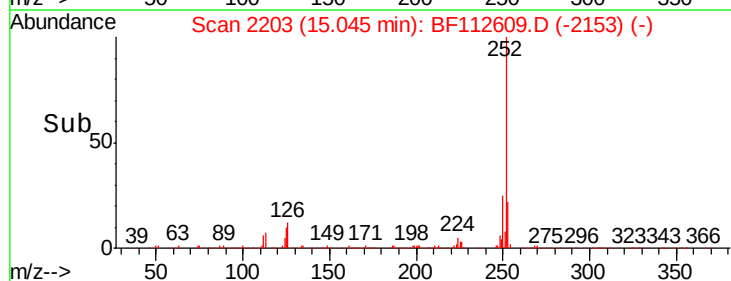
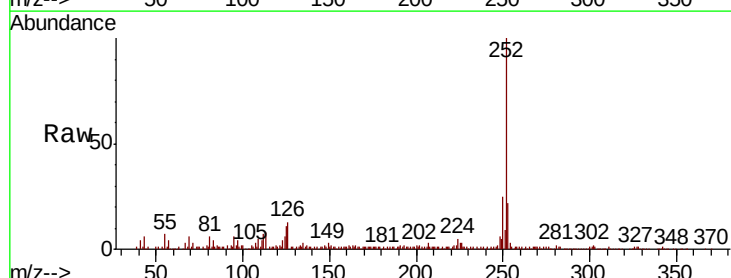
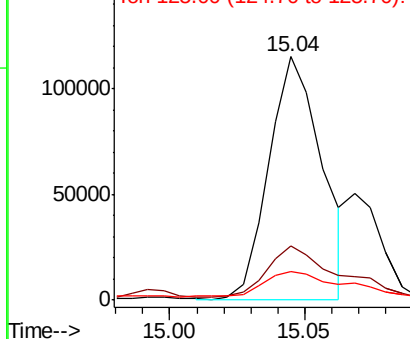
Delta R.T. -0.01 min

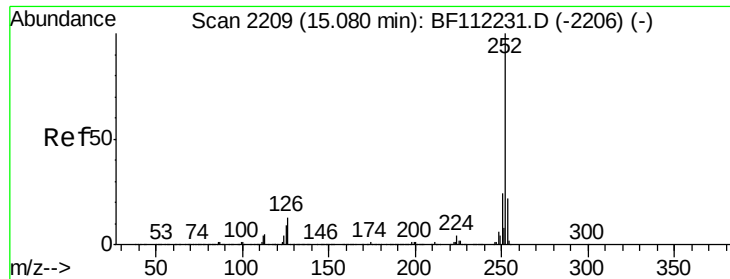
Lab File: BF112609.D

Acq: 18 Feb 2019 19:00

Tgt Ion:	252	Resp:	158666
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.0	27.0
125	11.5	8.7	13.1

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





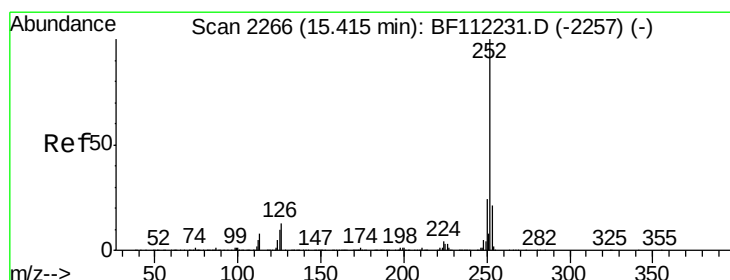
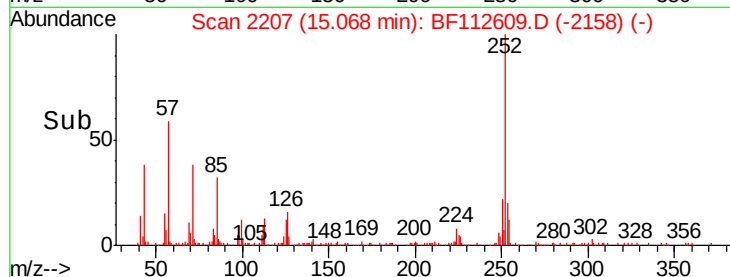
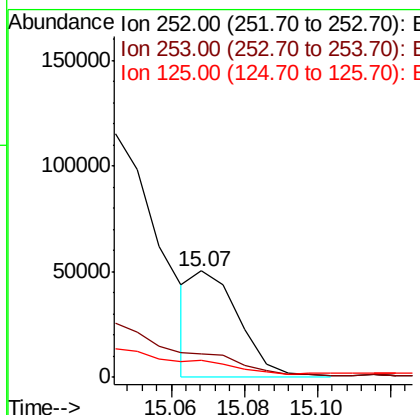
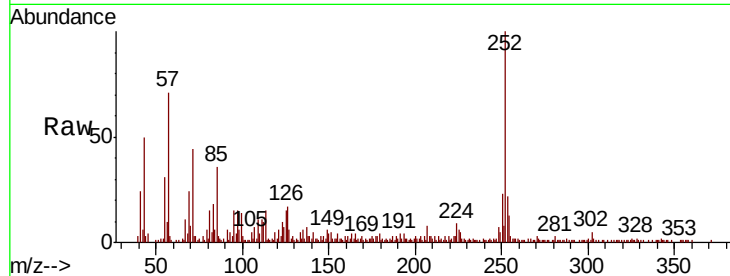
#89
Benzo(k)fluoranthene
Concen: 5.282 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	15.5	9.1	13.7

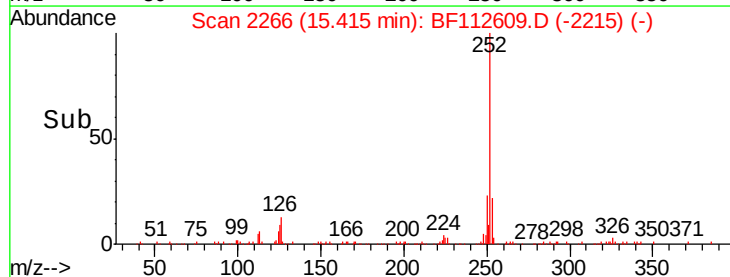
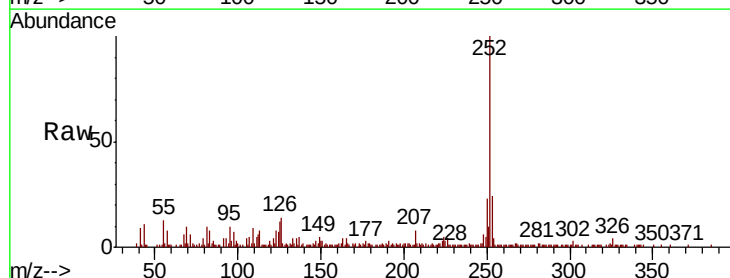
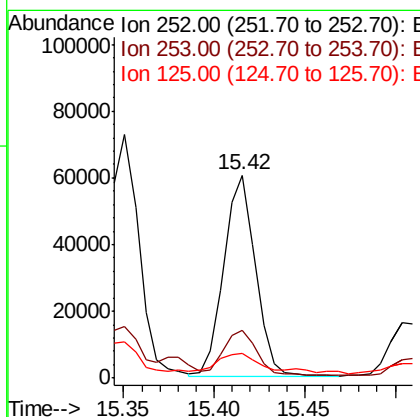
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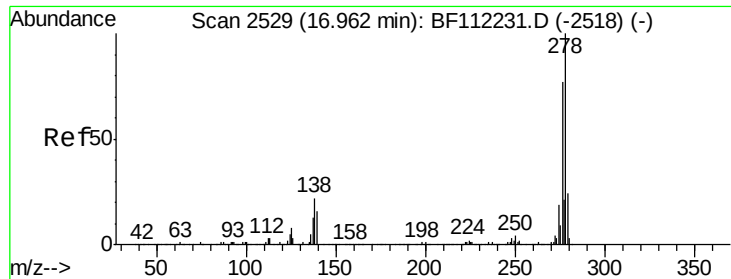
Sohil
2/19/2019 11:57:32 AM



#90
Benzo(a)pyrene
Concen: 9.266 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	11.9	9.0	13.4





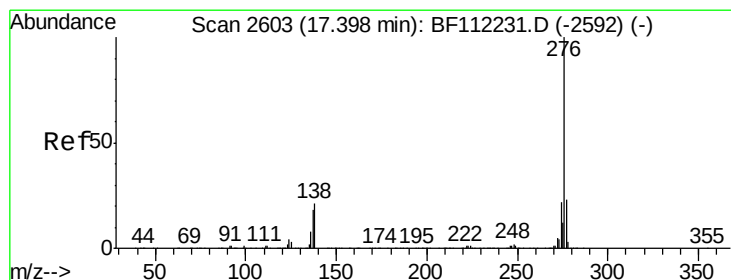
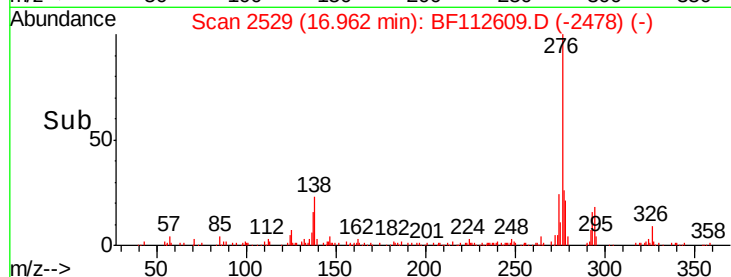
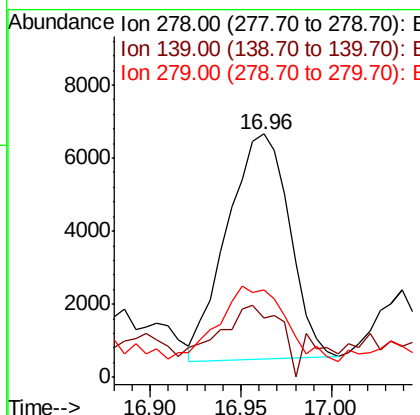
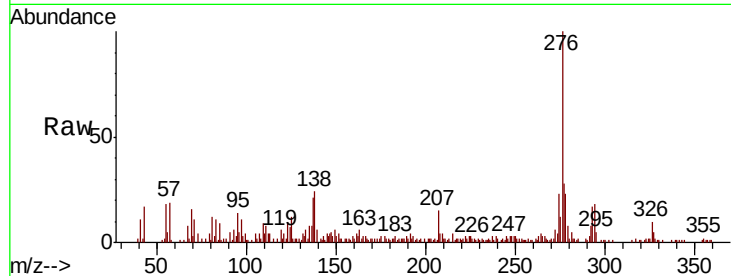
#91
Dibenzo(a,h)anthracene
Concen: 2.299 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.00 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-7

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.3	13.7	20.5#
279	36.0	19.0	28.6#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 10.063 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.02 min
Lab File: BF112609.D
Acq: 18 Feb 2019 19:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.4	29.0
138	22.5	19.1	28.7

