

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112089.D
 Acq On : 17 Jan 2019 15:11
 Operator : JU/SJ
 Sample : K1167-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-9

Manual Integrations
 APPROVED

Sohil
 1/18/2019 11:45:47 AM

Quant Time: Jan 18 00:27:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	330716	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1211592	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	567562	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	949869	20.00	ng	0.00
76) Chrysene-d12	14.03	240	768571	20.00	ng	0.00
87) Perylene-d12	15.50	264	679489	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	2281083	125.19	ng	0.01
7) Phenol-d6	6.51	99	2935071	128.75	ng	0.00
23) Nitrobenzene-d5	7.43	82	1808899	103.15	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	801309	130.87	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3147877	81.32	ng	0.00
79) Terphenyl-d14	12.97	244	2854810	79.02	ng	0.00
Target Compounds						
10) Phenol	6.52	94	197828	7.940	ng	Qvalue # 74
50) Dimethylphthalate	9.60	163	422061	10.197	ng	100
71) Phenanthrene	11.41	178	259240	5.423	ng	97
75) Fluoranthene	12.60	202	456036	9.035	ng	99
78) Pyrene	12.83	202	418333	8.250	ng	98
81) Benzo(a)anthracene	14.02	228	200044	4.539	ng	99
83) Chrysene	14.05	228	179446	4.303	ng	97
86) Indeno(1,2,3-cd)pyrene	16.98	276	87408	2.272	ng	95
88) Benzo(b)fluoranthene	15.07	252	233103m	6.044	ng	
89) Benzo(k)fluoranthene	15.09	252	79181m	2.121	ng	
90) Benzo(a)pyrene	15.44	252	148926	4.210	ng	99
92) Benzo(a,h,i)perylene	17.42	276	85561	2.764	ng	97

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

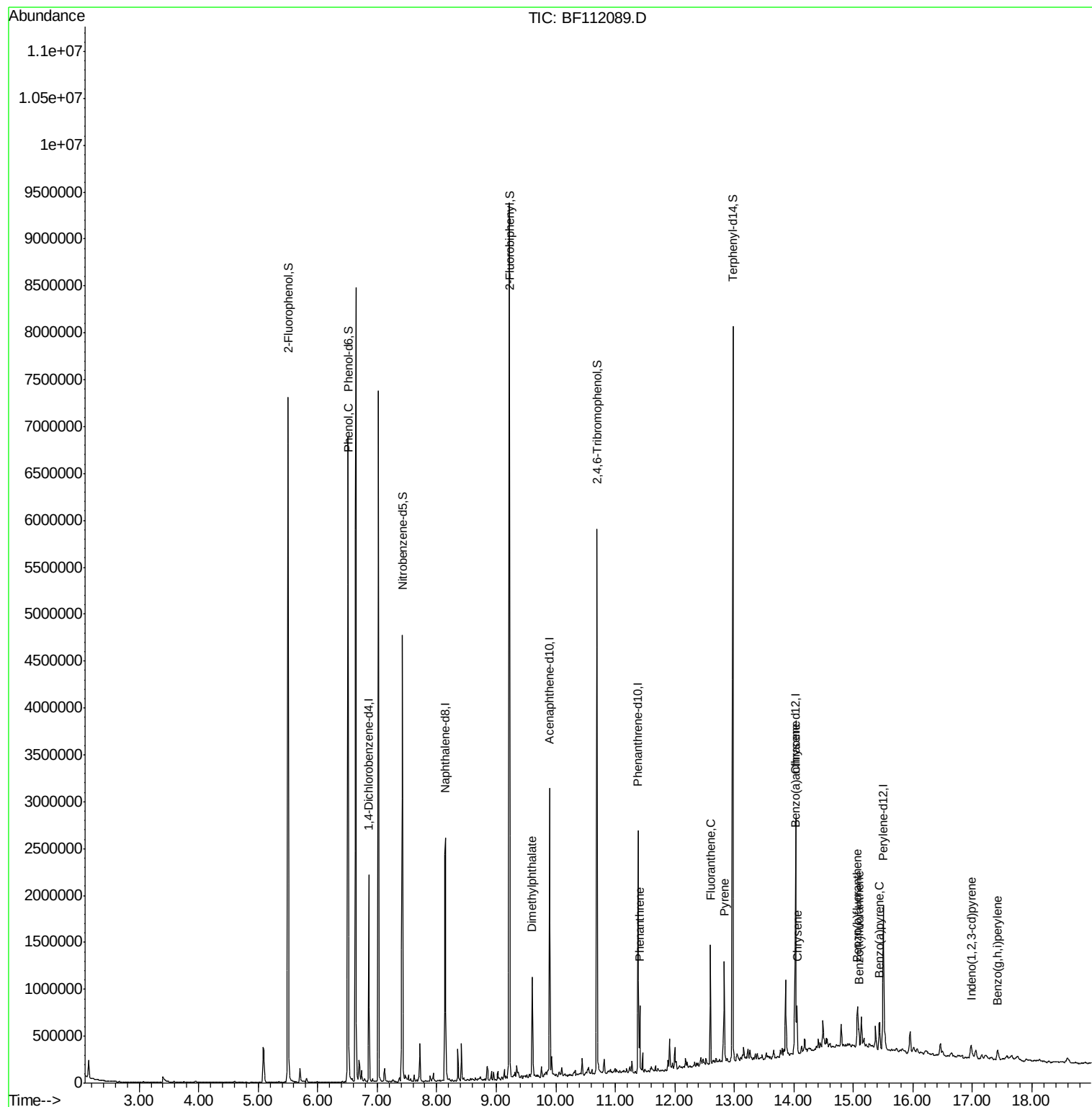
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
Data File : BF112089.D
Acq On : 17 Jan 2019 15:11
Operator : JU/SJ
Sample : K1167-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

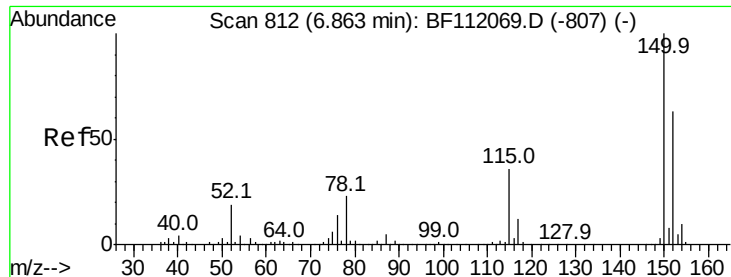
Instrument :
BNA_F
ClientSampleId :
D-9

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
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#1

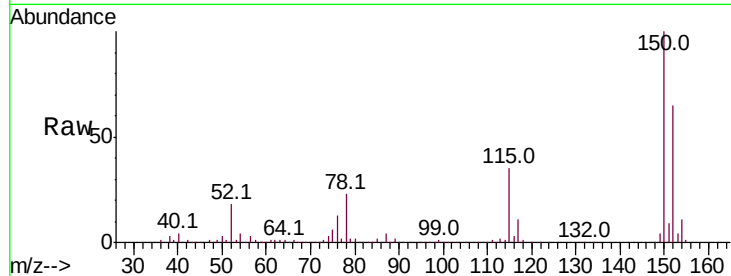
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Instrument :
BNA_F
ClientSampled :
D-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	127.4	191.0
115	54.6	45.5	68.3

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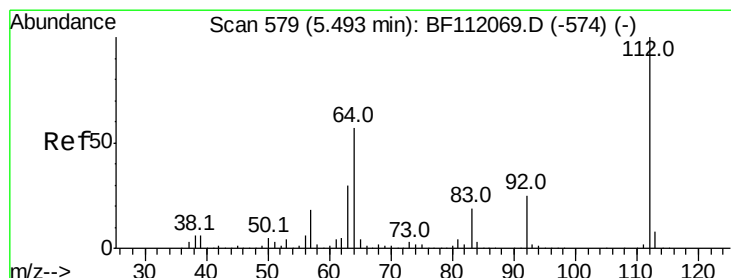
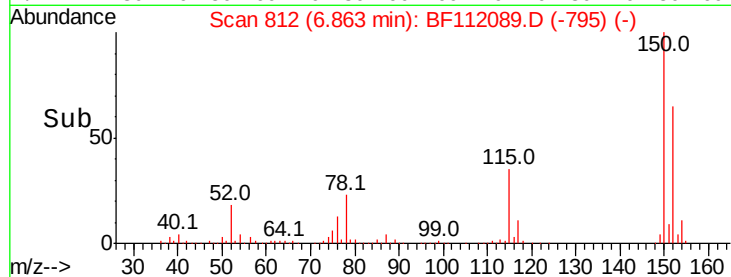
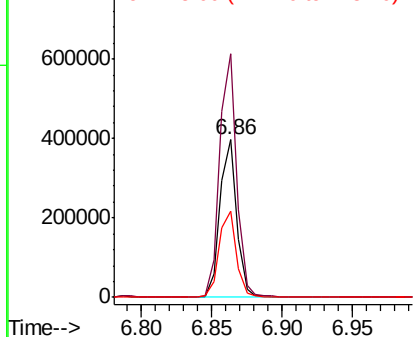


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

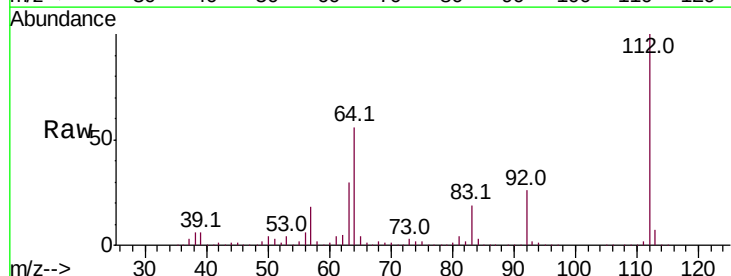
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 125.191 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.7	68.5
63	30.3	23.6	35.4

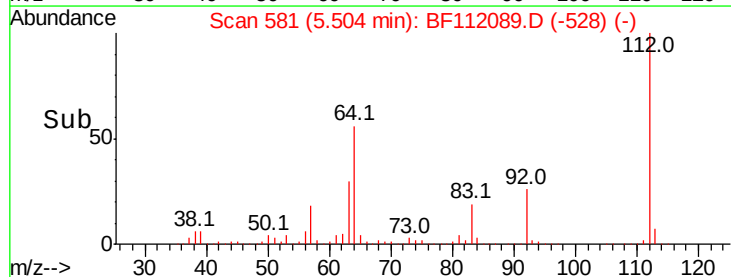
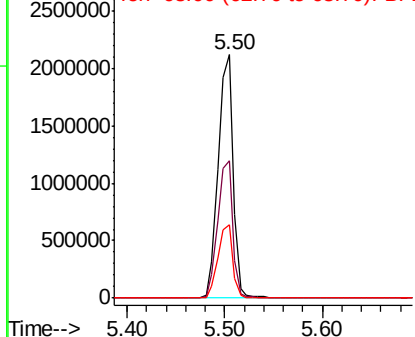


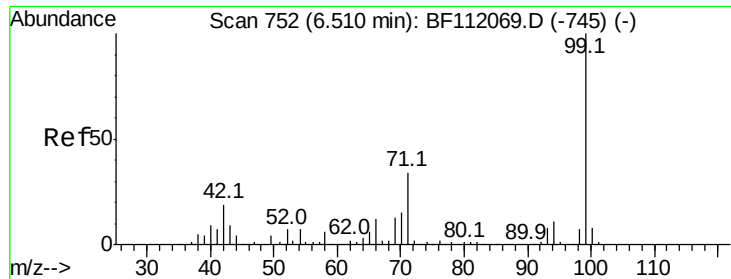
Abundance

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: 128.747 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF112089.D

Acq: 17 Jan 2019 15:11

Instrument :

BNA_F

ClientSampled :

D-9

Tot Ion: 99 Resp: 2935071

Ion Ratio Lower Upper

99 100

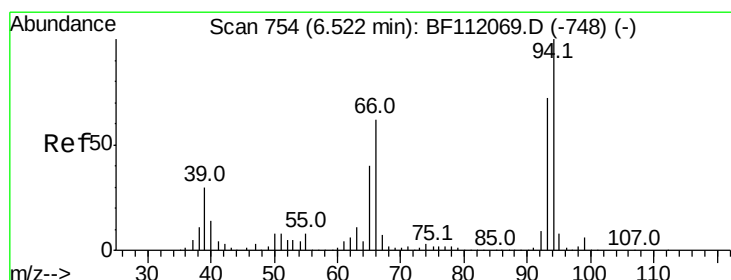
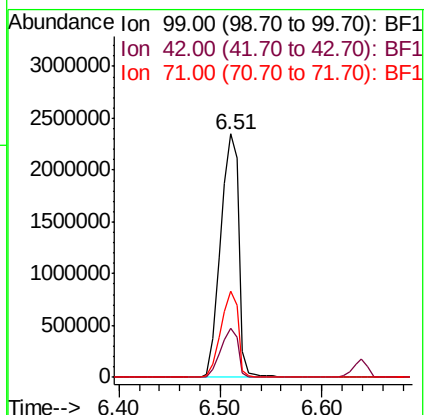
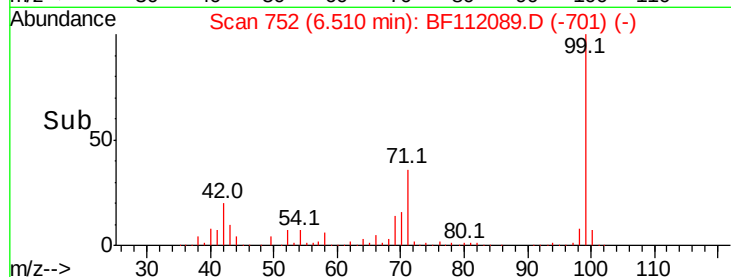
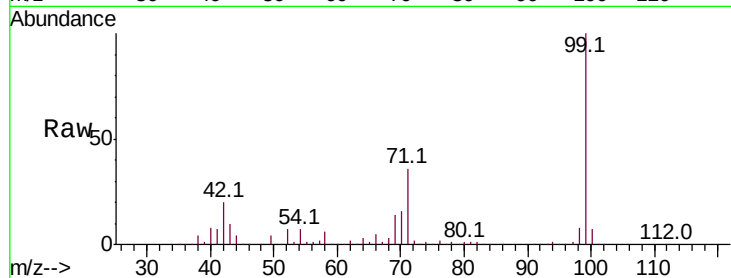
42 20.4 15.1 22.7

71 35.6 26.9 40.3

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#10

Phenol

Concen: 7.940 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF112089.D

Acq: 17 Jan 2019 15:11

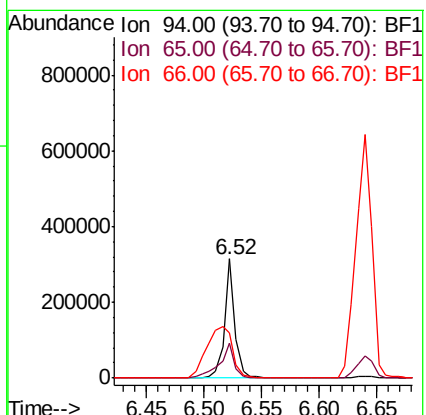
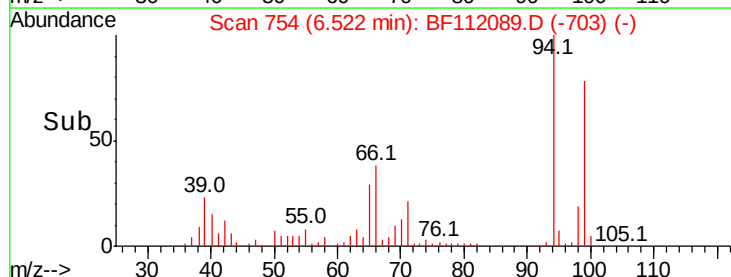
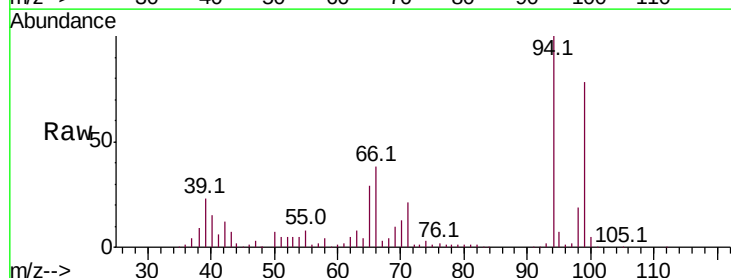
Tgt Ion: 94 Resp: 197828

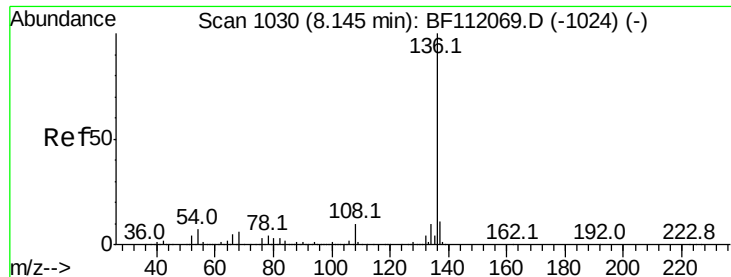
Ion Ratio Lower Upper

94 100

65 28.8 20.3 60.3

66 38.2 42.4 82.4#





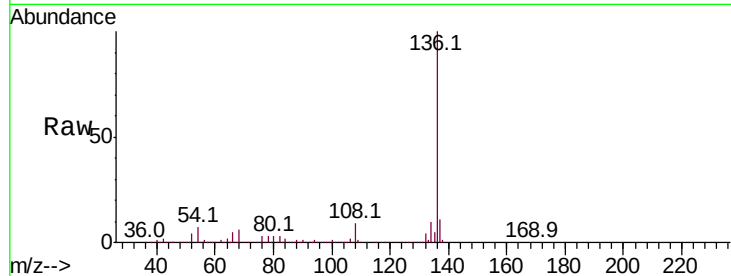
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Instrument :
BNA_F
ClientSampleId :
D-9

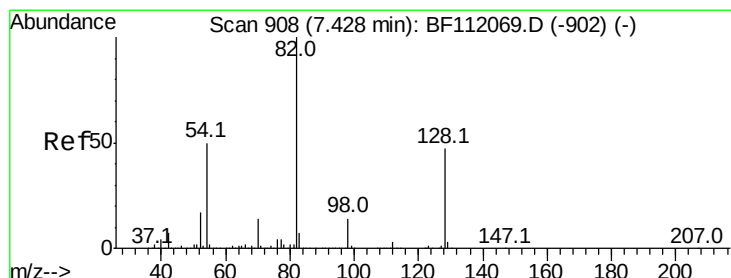
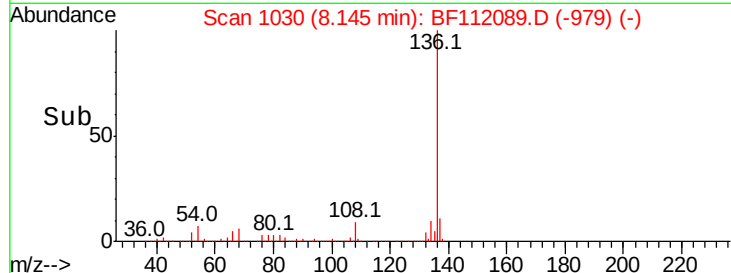
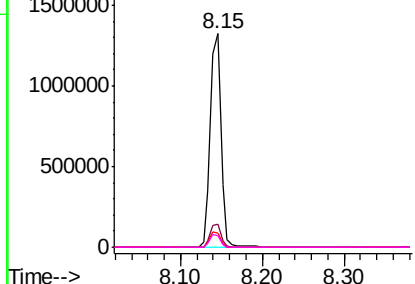
Tot Ion	136	Resp	1211592
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.8	5.9	8.9
68	5.7	5.1	7.7

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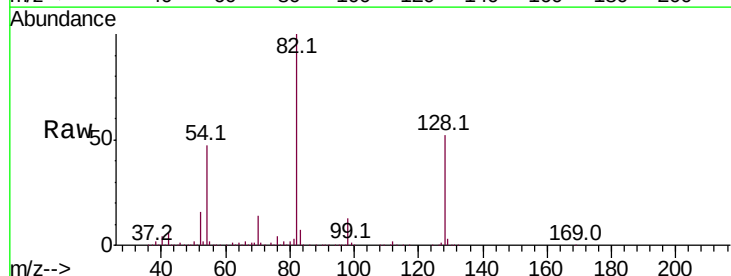


Abundance Ion 136.00 (135.70 to 136.70): E
2000000 Ion 137.00 (136.70 to 137.70): E
1500000 Ion 54.00 (53.70 to 54.70): BF1
1000000 Ion 68.00 (67.70 to 68.70): BF1
500000
0

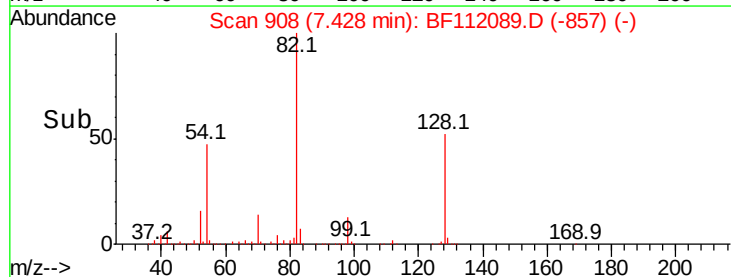
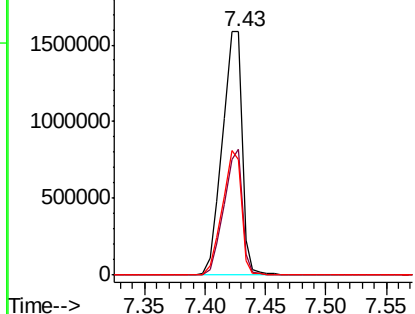


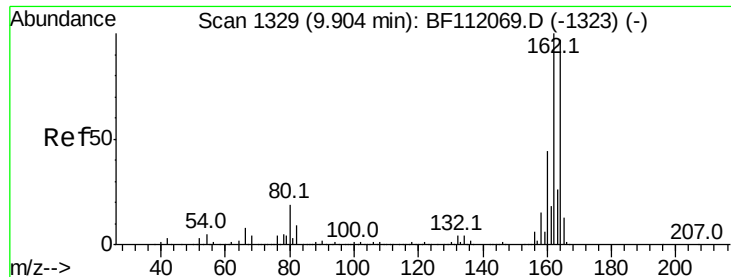
#23
Nitrobenzene-d5
Concen: 103.149 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.00 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion	82	Resp	1808899
Ion	Ratio	Lower	Upper
82	100		
128	51.6	37.8	56.8
54	47.4	39.7	59.5



Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000 Ion 128.00 (127.70 to 128.70): E
1500000 Ion 54.00 (53.70 to 54.70): BF1
1000000
500000
0





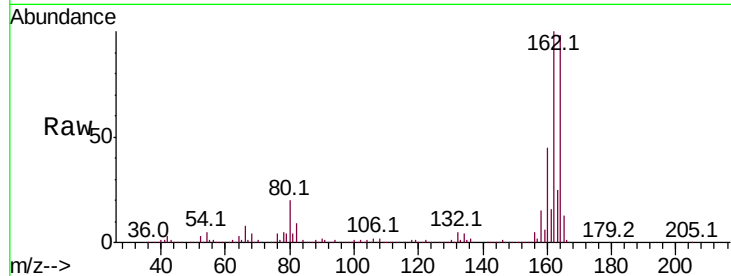
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF112089.D
 Acq: 17 Jan 2019 15:11

Instrument :
 BNA_F
 ClientSampleId :
 D-9

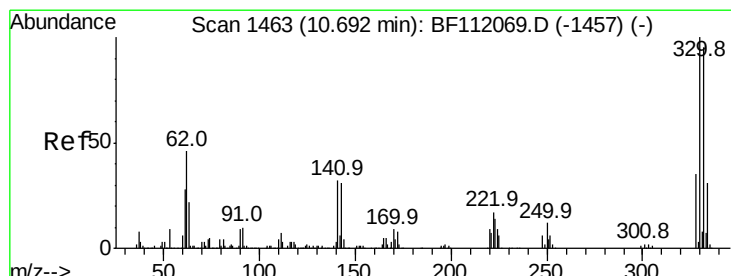
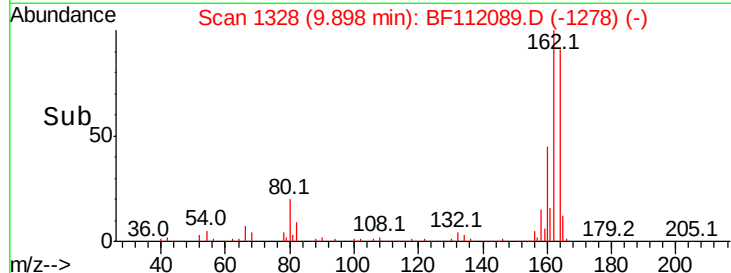
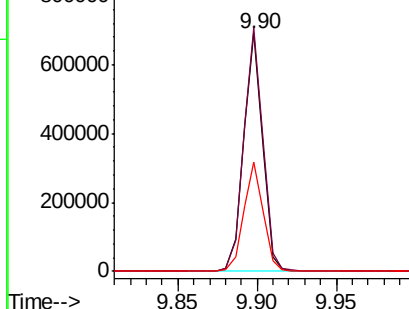
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.4
160	45.7	36.2	54.4

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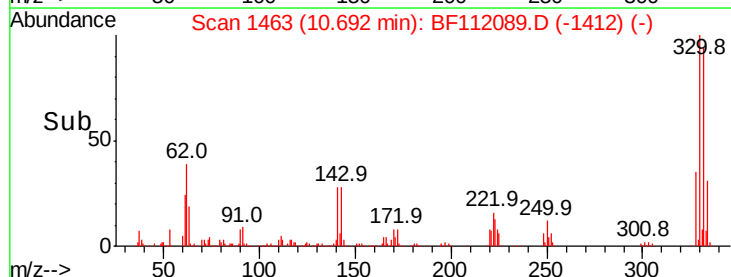
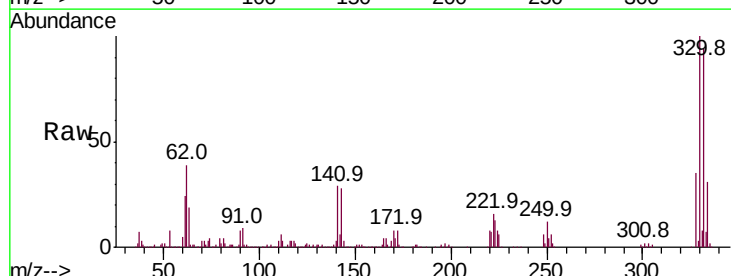
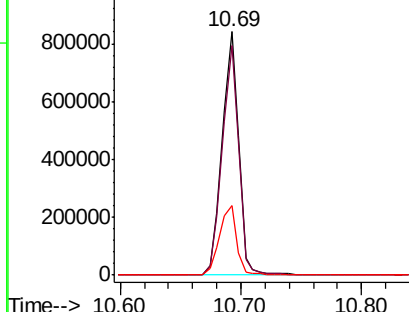
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

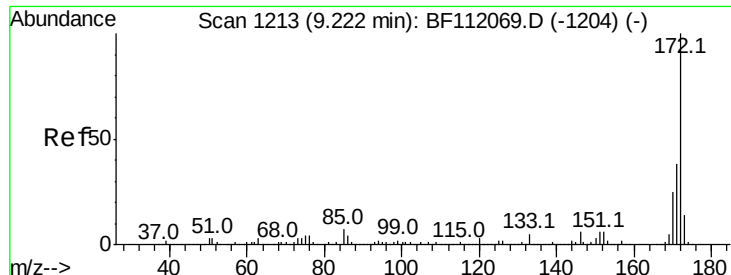


#42
 2,4,6-Tribromophenol
 Concen: 130.874 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: BF112089.D
 Acq: 17 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	114.8
141	29.5	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





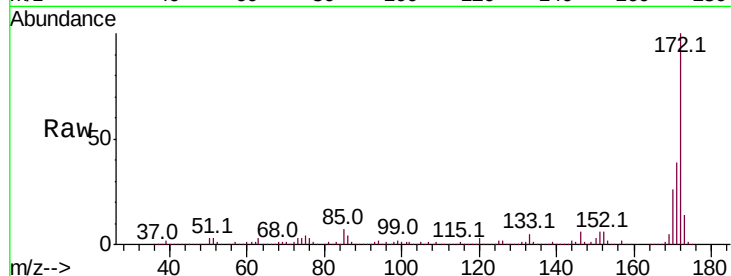
#45
2-Fluorobiphenyl
Concen: 81.315 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Instrument :
BNA_F
ClientSampleId :
D-9

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.5	45.7
170	25.8	20.2	30.4

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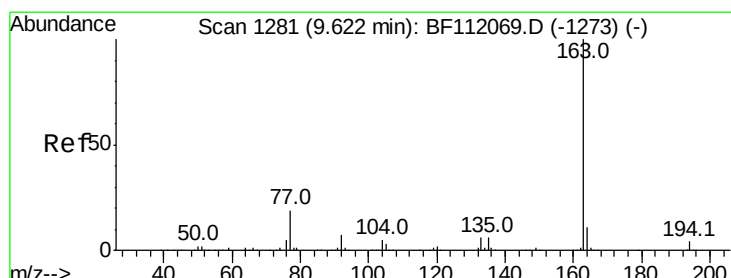
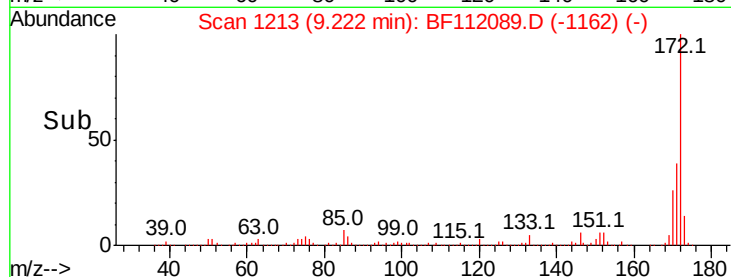
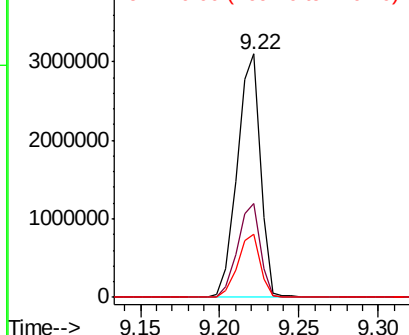


Abundance

Ion 172.00 (171.70 to 172.70): E

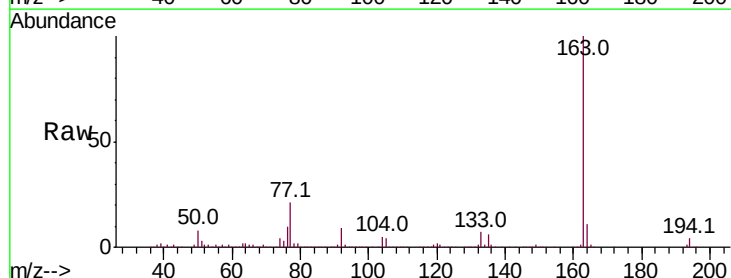
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 10.197 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.6	8.5	12.7

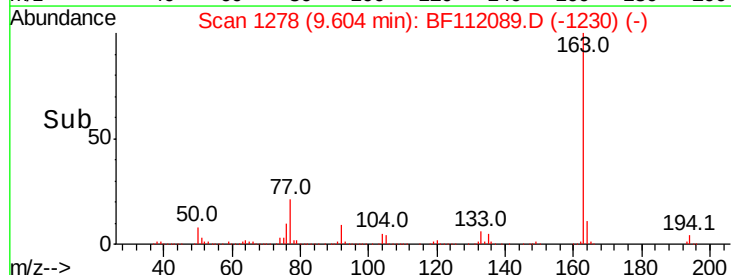
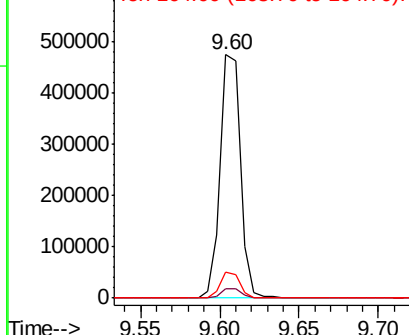


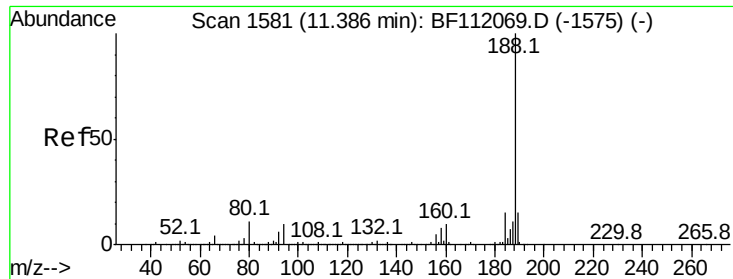
Abundance

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





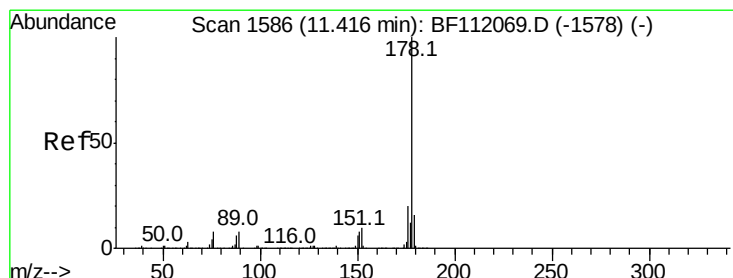
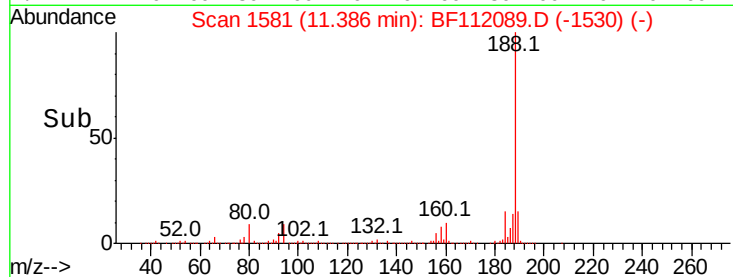
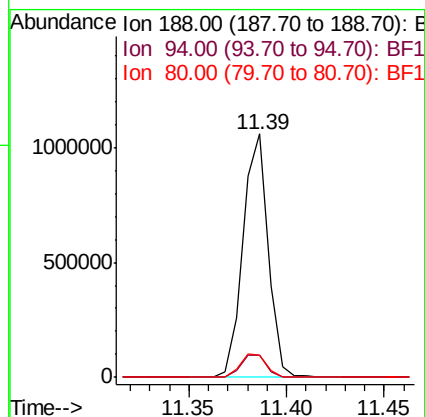
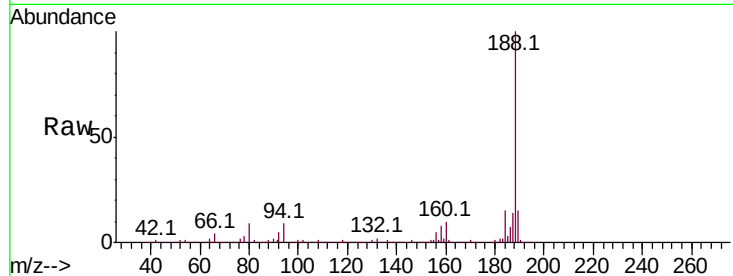
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Instrument :
BNA_F
ClientSampled :
D-9

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.3	8.2	12.2
80	9.3	8.9	13.3

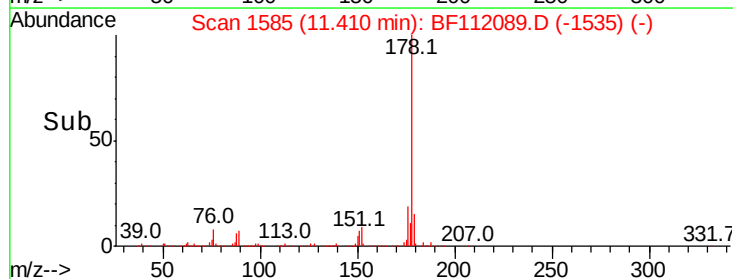
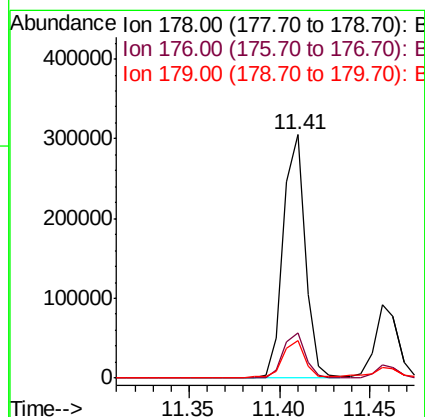
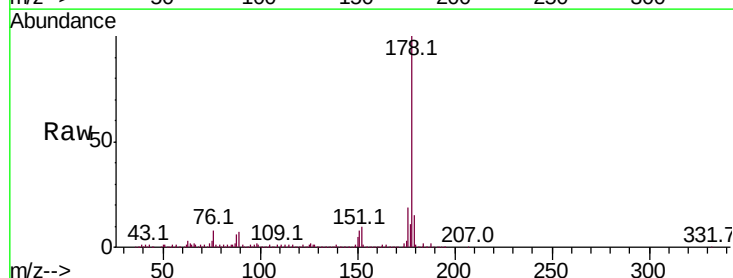
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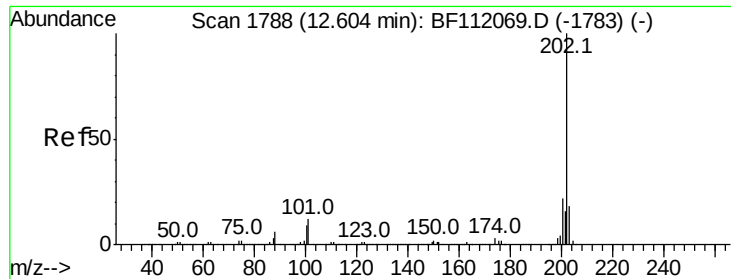
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#71
Phenanthrene
Concen: 5.423 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	16.3	24.5
179	15.5	13.0	19.4





#75

Fluoranthene

Concen: 9.035 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF112089.D

Acq: 17 Jan 2019 15:11

Instrument :

BNA_F

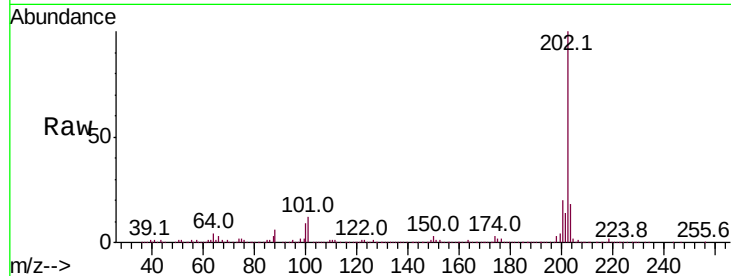
ClientSampleId :

D-9

Tot Ion:	202	Resp:	456036
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	31.8
203	17.7	0.0	38.4

Manual Integrations
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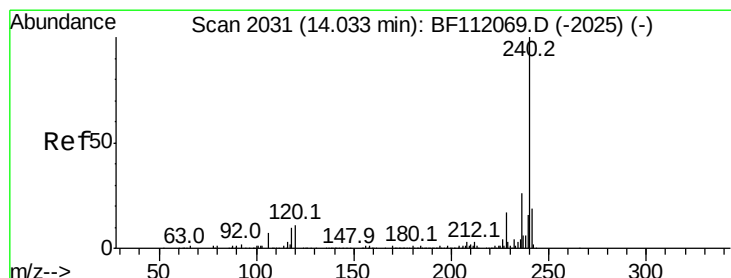
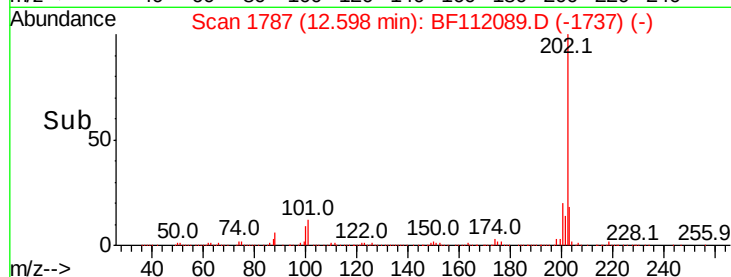
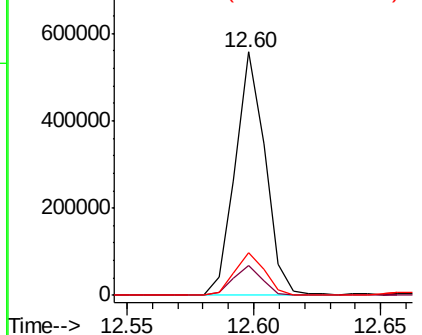
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112089.D

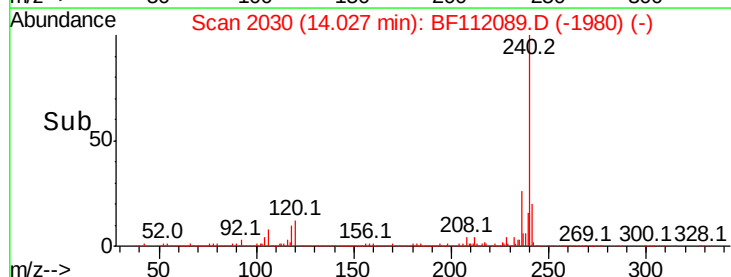
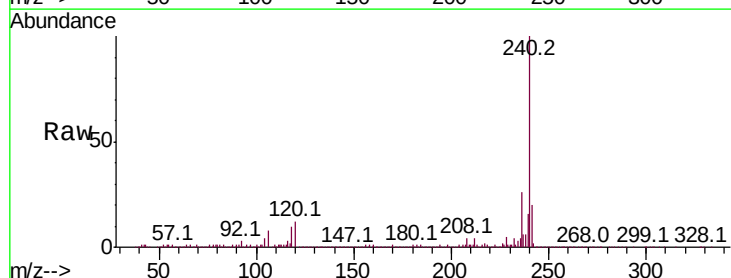
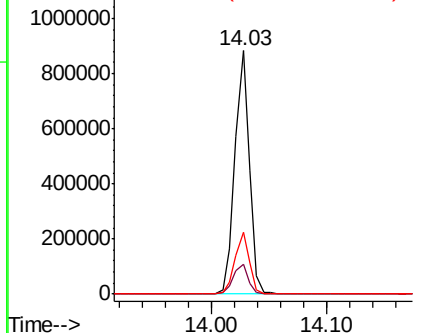
Acq: 17 Jan 2019 15:11

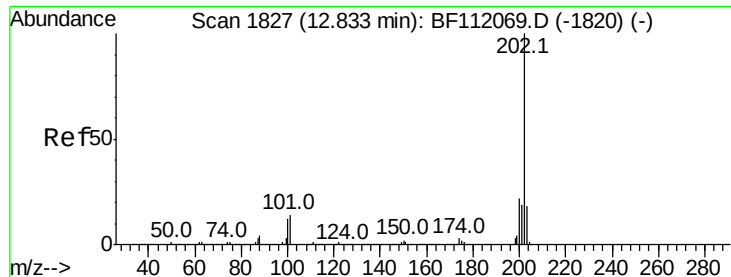
Tgt Ion:	240	Resp:	768571
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.0	13.6
236	25.6	20.7	31.1

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





#78

Pvrene

Concen: 8.250 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF112089.D

Acq: 17 Jan 2019 15:11

Instrument :

BNA_F

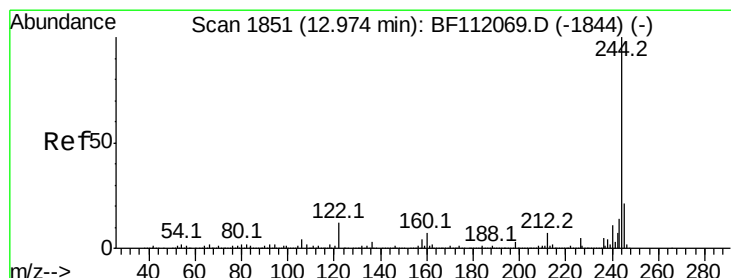
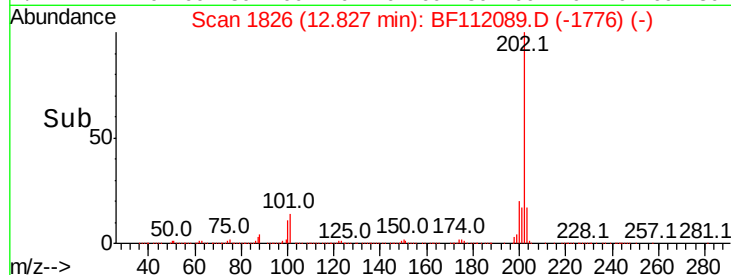
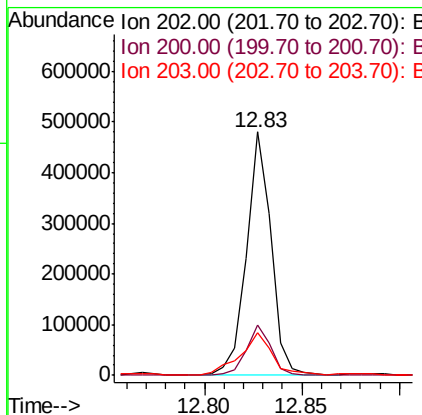
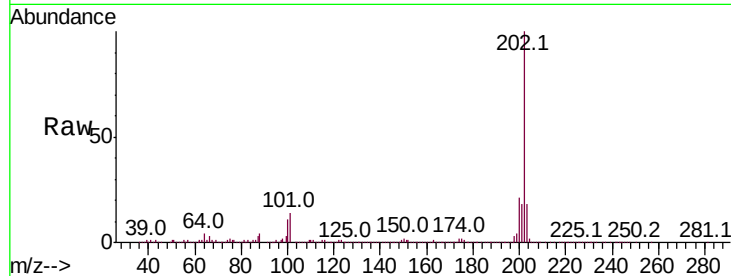
ClientSampleId :

D-9

Tot Ion:	202	Resp:	418333
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.7	26.5
203	17.8	14.6	22.0

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1/18/2019 11:45:47 AM



#79

Terphenyl-d14

Concen: 79.020 ng

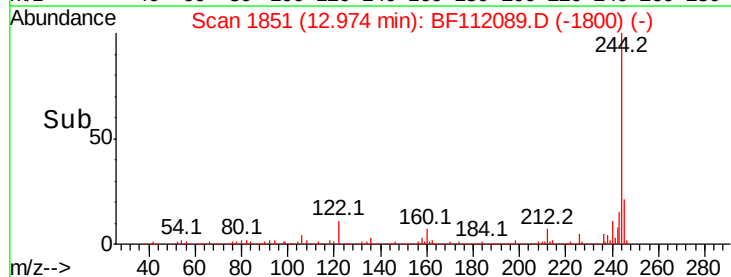
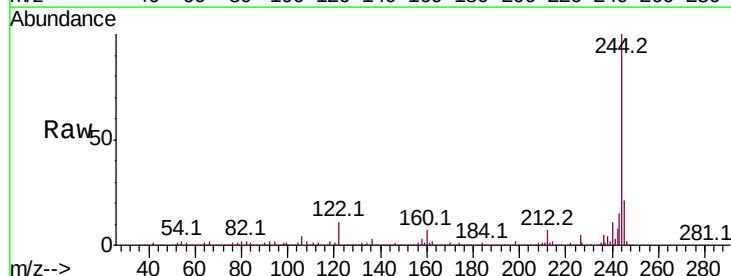
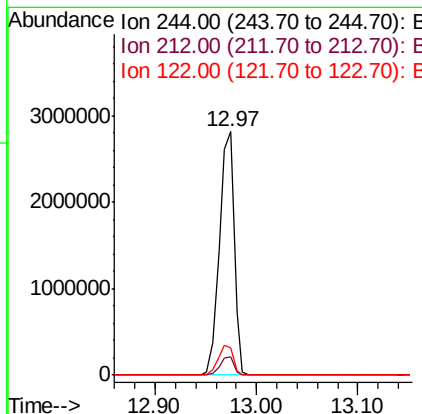
RT: 12.97 min Scan# 1851

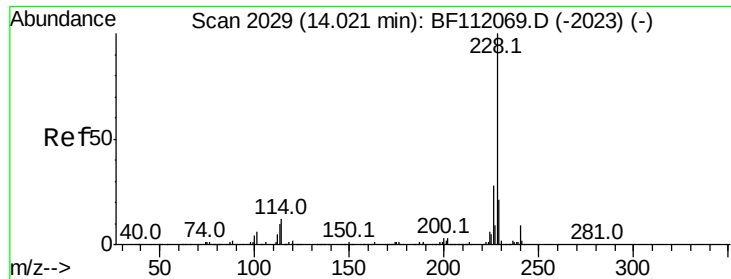
Delta R.T. -0.00 min

Lab File: BF112089.D

Acq: 17 Jan 2019 15:11

Tgt Ion:	244	Resp:	2854810
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.9	8.9
122	11.4	9.8	14.6





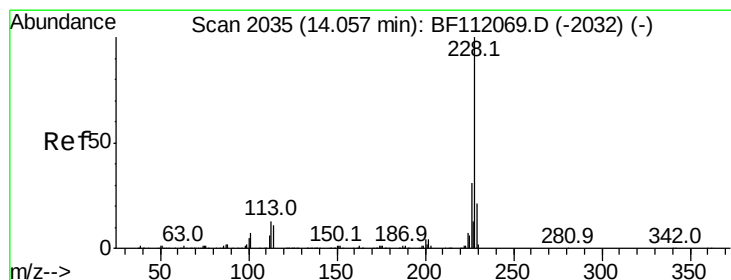
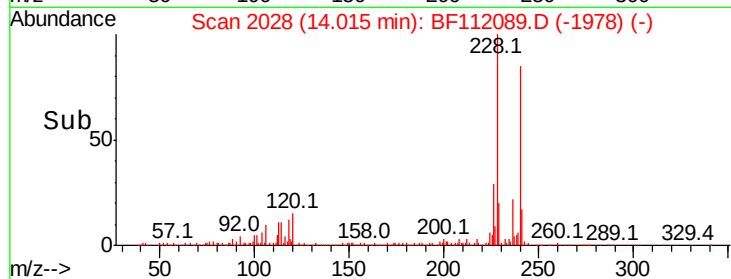
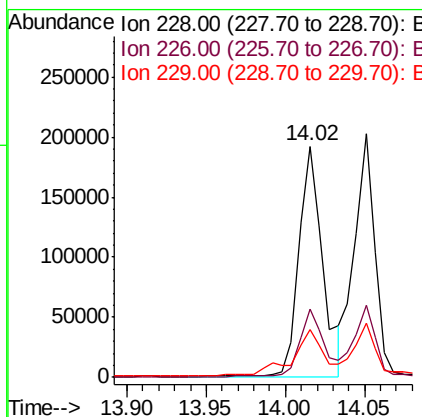
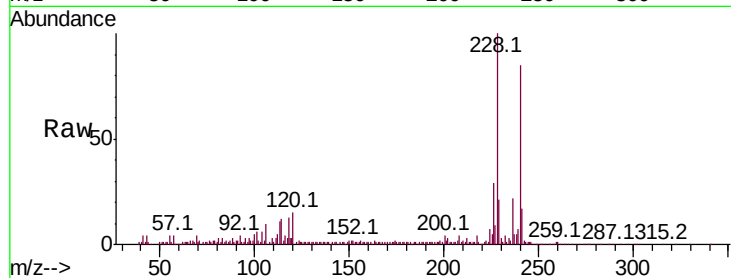
#81
Benzo(a)anthracene
Concen: 4.539 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Instrument :
BNA_F
ClientSampled :
D-9

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	34.0
229	20.8	16.5	24.7

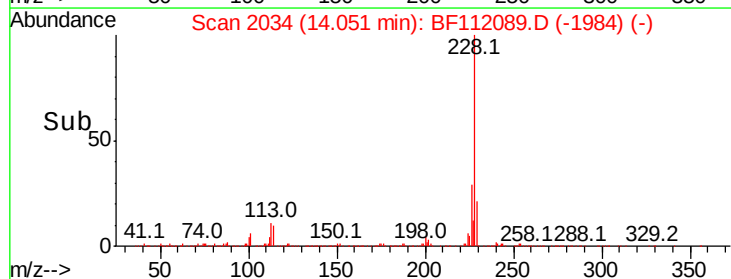
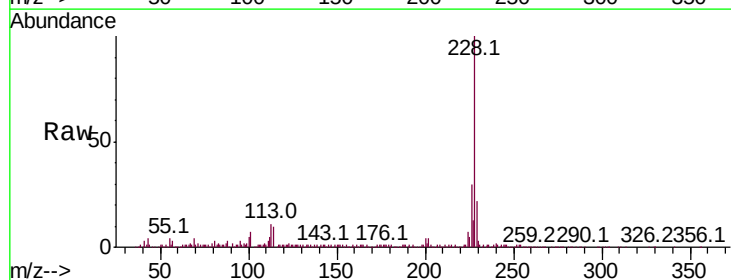
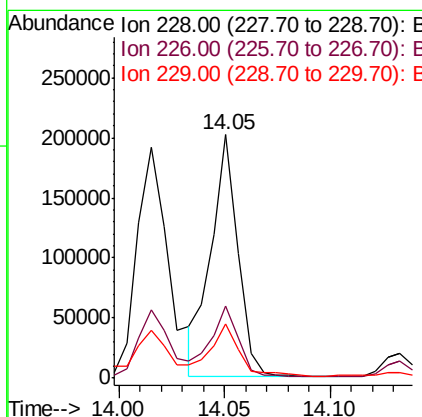
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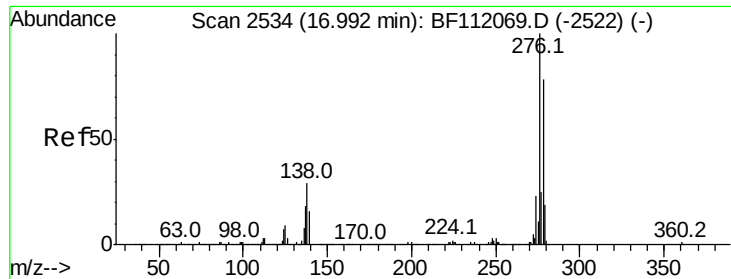
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#83
Chrysene
Concen: 4.303 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.1	16.6	24.8





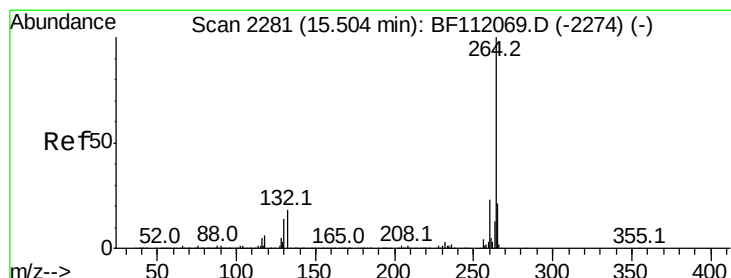
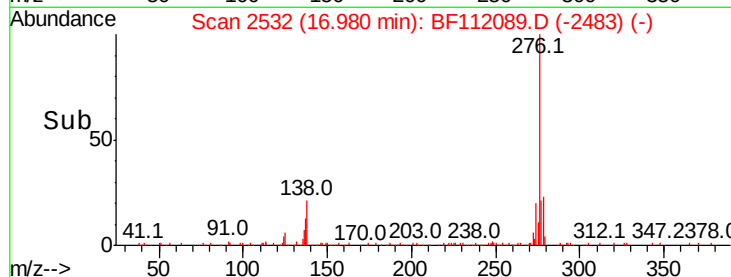
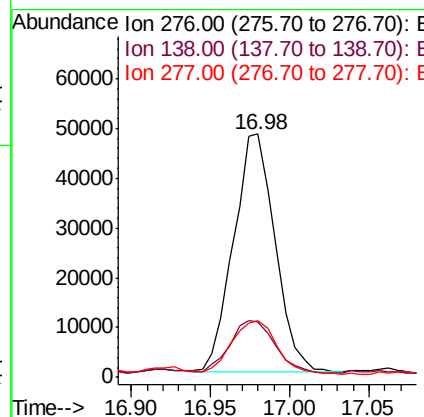
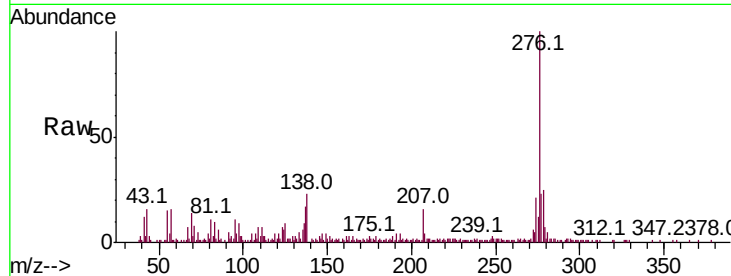
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.272 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. -0.01 min
 Lab File: BF112089.D
 Acq: 17 Jan 2019 15:11

Instrument :
 BNA_F
 ClientSampleId :
 D-9

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.6	22.6	34.0
277	24.4	20.3	30.5

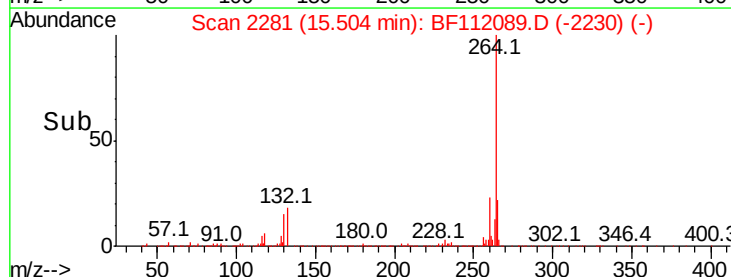
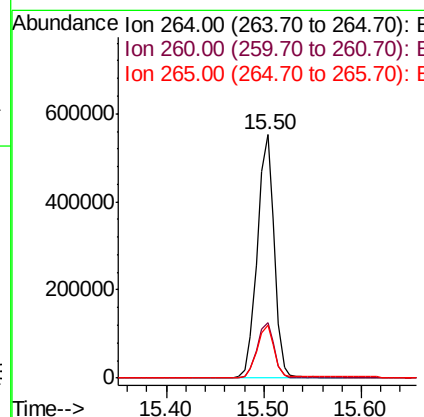
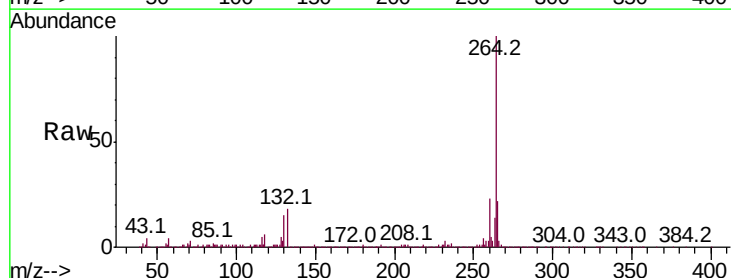
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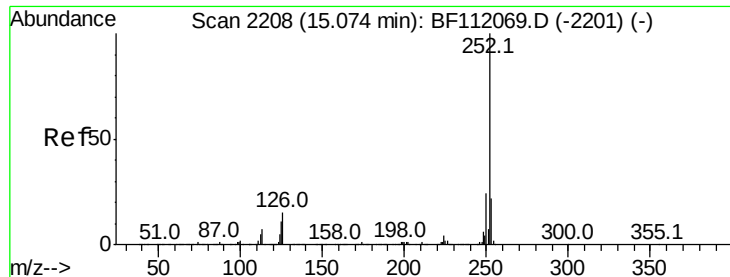
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: BF112089.D
 Acq: 17 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.2
265	21.9	17.0	25.4





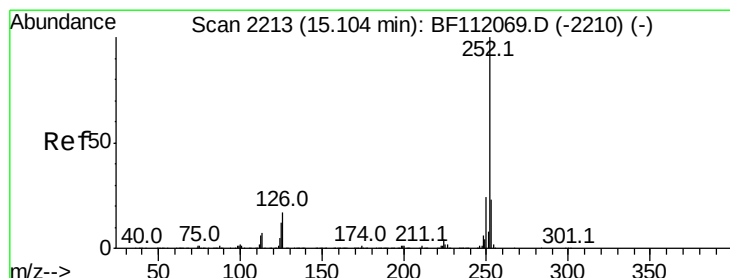
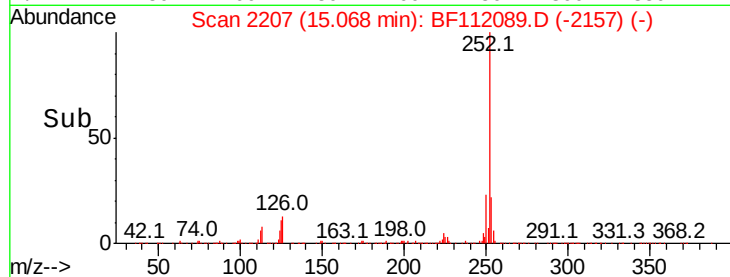
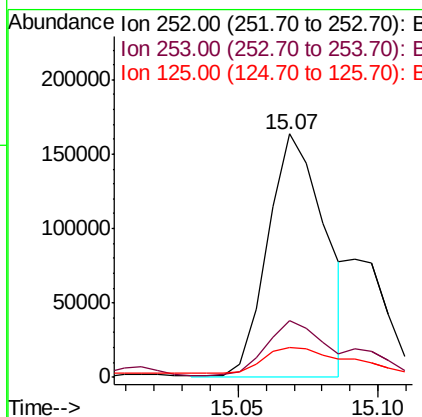
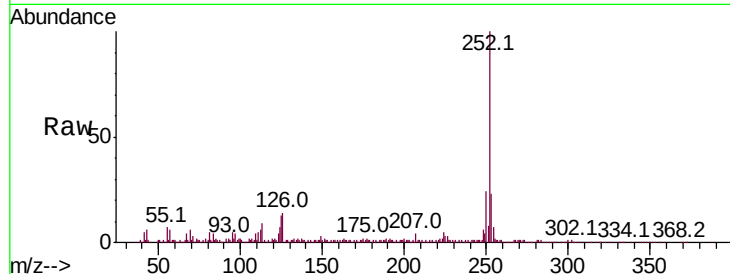
#88
Benzo(b)fluoranthene
Concen: 6.044 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Instrument :
BNA_F
ClientSampled :
D-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	12.5	8.7	13.1

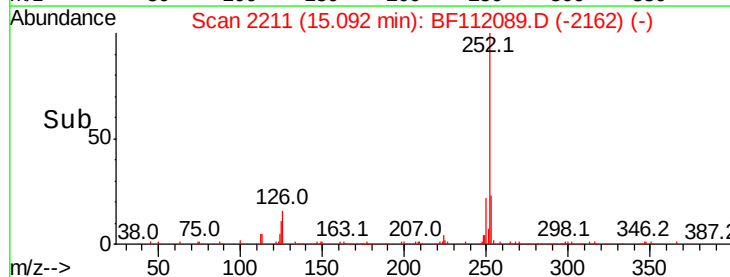
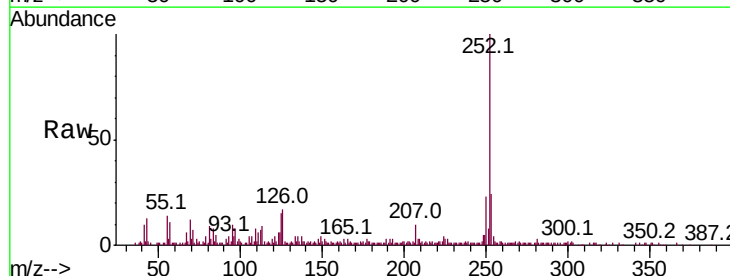
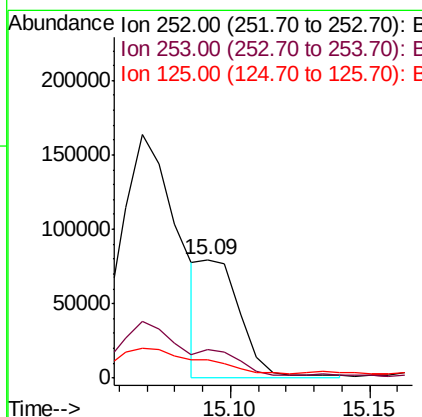
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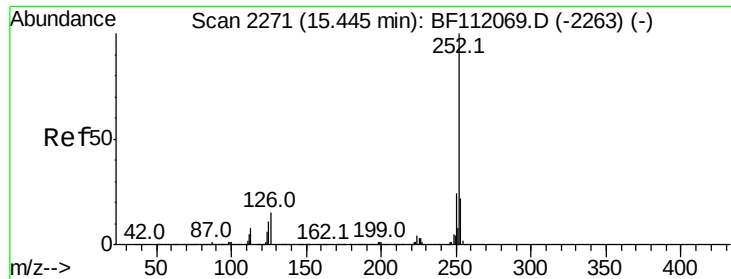
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#89
Benzo(k)fluoranthene
Concen: 2.121 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	15.3	9.1	13.7#





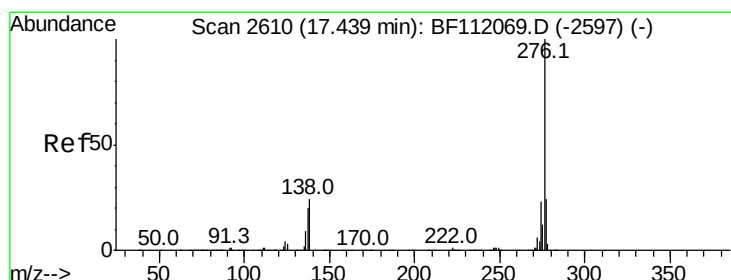
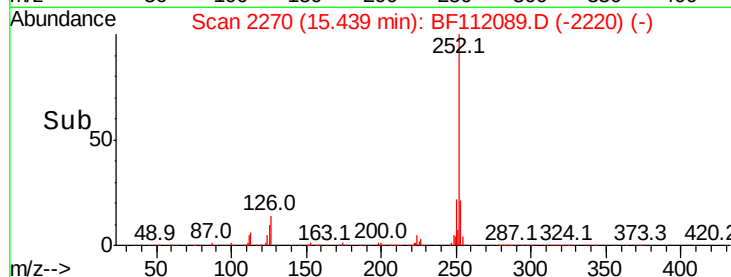
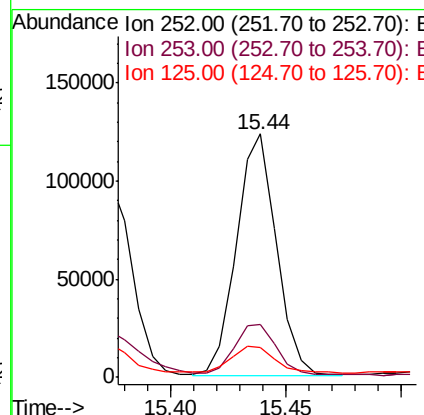
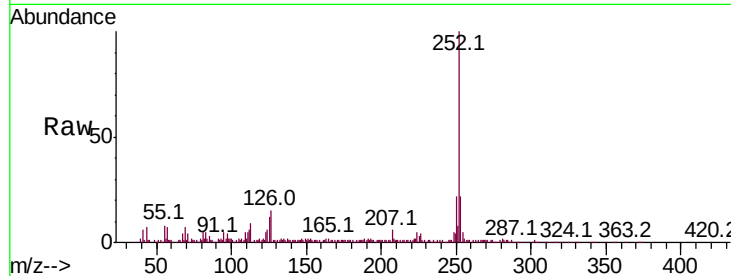
#90
Benzo(a)pyrene
Concen: 4.210 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Instrument :
BNA_F
ClientSampleId :
D-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	12.5	9.0	13.4

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#92
Benzo(g,h,i)perylene
Concen: 2.764 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.02 min
Lab File: BF112089.D
Acq: 17 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.0
138	26.8	19.1	28.7

