

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
 Data File : BF112217.D
 Acq On : 24 Jan 2019 19:05
 Operator : JU/SJ
 Sample : K1223-05 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-Q

Manual Integrations
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Quant Time: Jan 25 00:37:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	238790	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	918248	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	418319	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	664978	20.00	ng	0.00
76) Chrysene-d12	14.03	240	482706	20.00	ng	0.00
87) Perylene-d12	15.51	264	343870	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	519049	39.45	ng	0.00
7) Phenol-d6	6.50	99	638235	38.77	ng	0.00
23) Nitrobenzene-d5	7.42	82	387813	29.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	165222	36.61	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	732640	25.68	ng	0.00
79) Terphenyl-d14	12.96	244	519151	22.88	ng	0.00
Target Compounds						
10) Phenol	6.51	94	45448	2.526	ng	82
50) Dimethylphthalate	9.60	163	94929	3.112	ng	98
58) Fluorene	10.44	166	63270	2.291	ng	100
71) Phenanthrene	11.40	178	448288	13.396	ng	97
72) Anthracene	11.46	178	120623	3.558	ng	97
75) Fluoranthene	12.60	202	419690	11.878	ng	98
78) Pyrene	12.83	202	333543	10.473	ng	99
81) Benzo(a)anthracene	14.02	228	149798	5.412	ng	98
83) Chrysene	14.05	228	126964	4.848	ng	96
88) Benzo(b)fluoranthene	15.07	252	127863m	6.551	ng	
89) Benzo(k)fluoranthene	15.10	252	42123m	2.230	ng	
90) Benzo(a)pyrene	15.44	252	82370	4.601	ng	# 86
92) Benzo(a,h,i)perylene	17.45	276	44076	2.814	ng	# 86

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

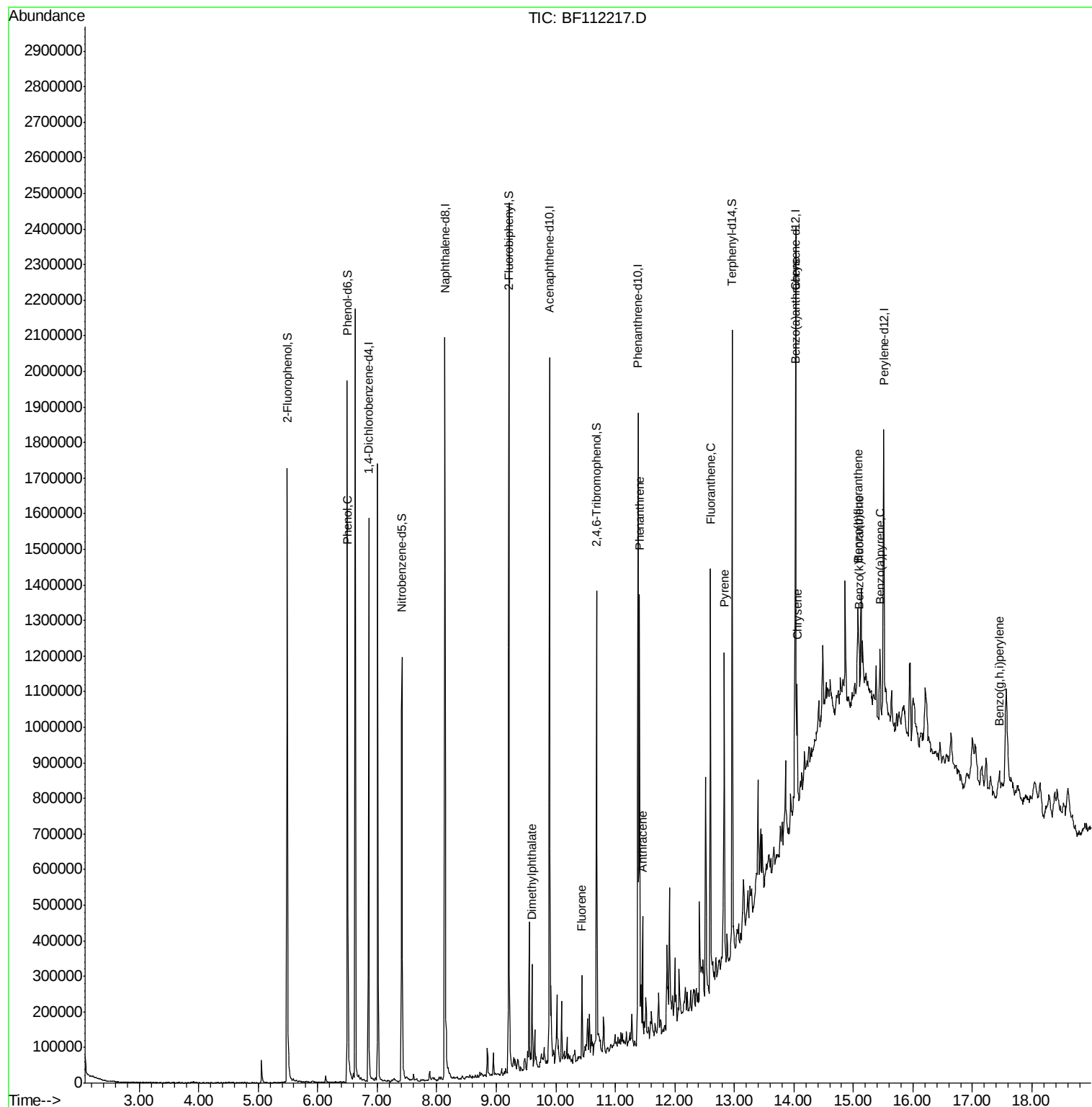
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
Data File : BF112217.D
Acq On : 24 Jan 2019 19:05
Operator : JU/SJ
Sample : K1223-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

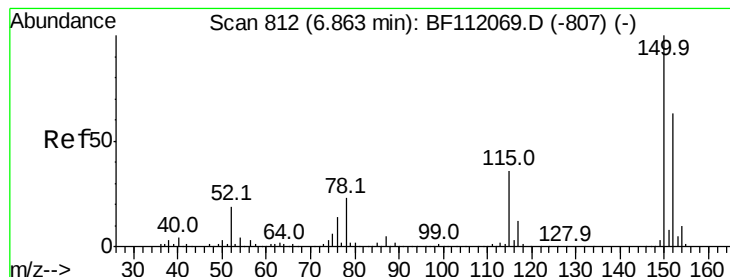
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
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#1

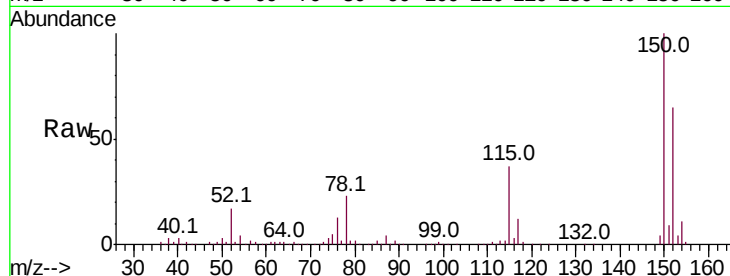
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF112217.D
Acq: 24 Jan 2019 19:05

Instrument :
BNA_F
ClientSampled :
TS-Q

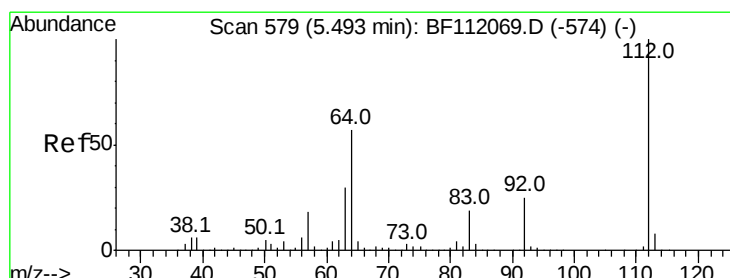
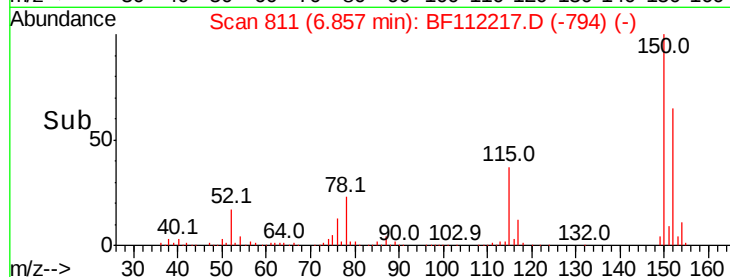
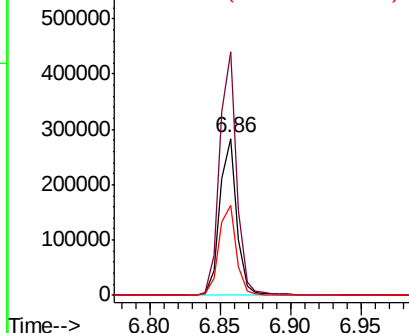
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	127.4	191.0
115	57.3	45.5	68.3

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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

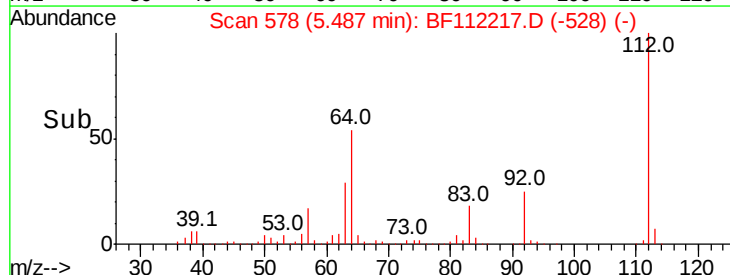
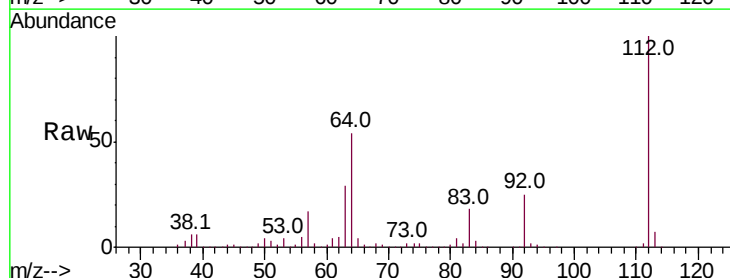
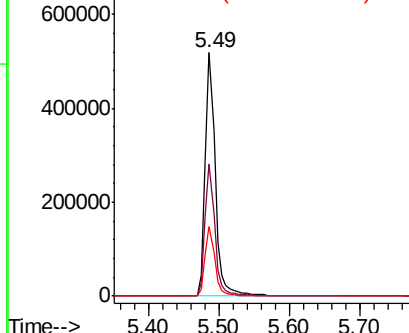


#5

2-Fluorophenol
Concen: 39.453 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112217.D
Acq: 24 Jan 2019 19:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.7	68.5
63	28.6	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: 38.774 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112217.D

Acq: 24 Jan 2019 19:05

Instrument :

BNA_F

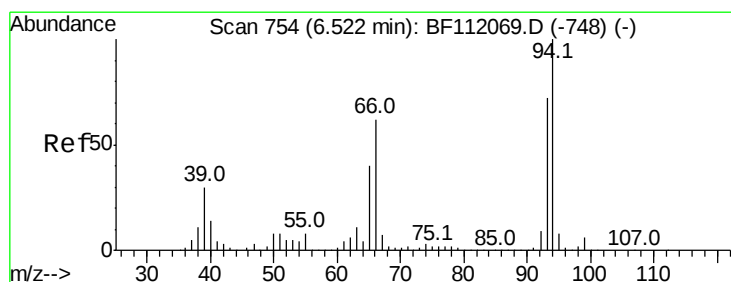
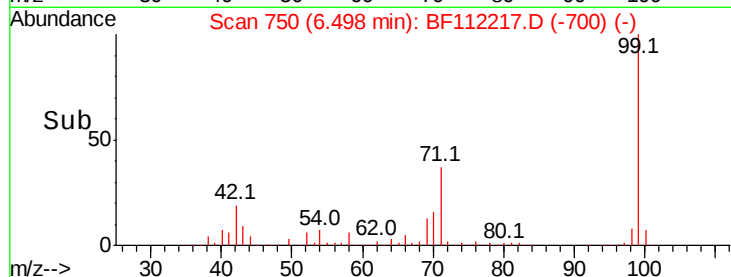
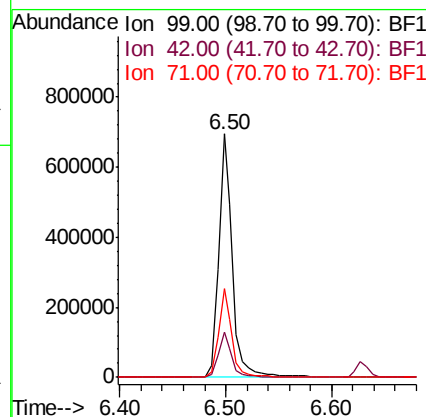
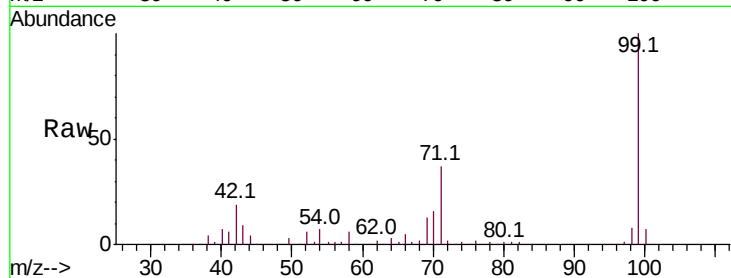
ClientSampleId :

TS-Q

Tot Ion:	99	Resp:	638235
Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.1	22.7
71	36.5	26.9	40.3

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#10

Phenol

Concen: 2.526 ng

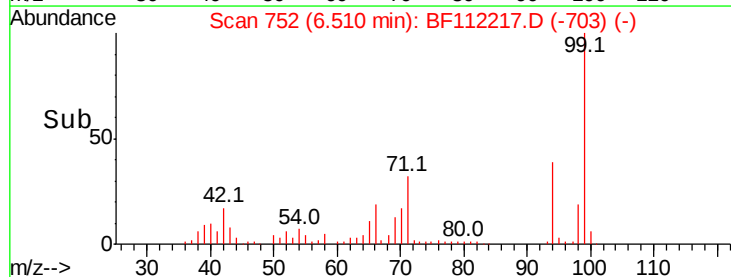
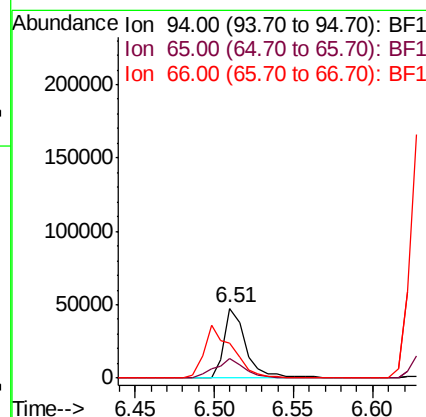
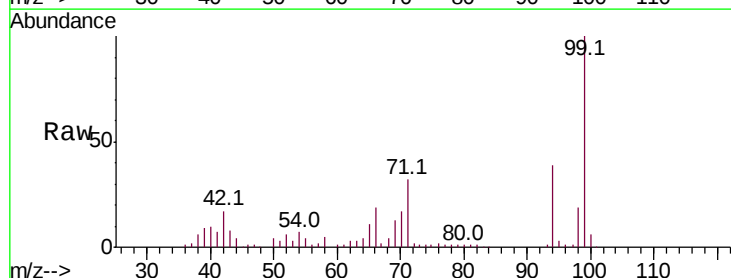
RT: 6.51 min Scan# 752

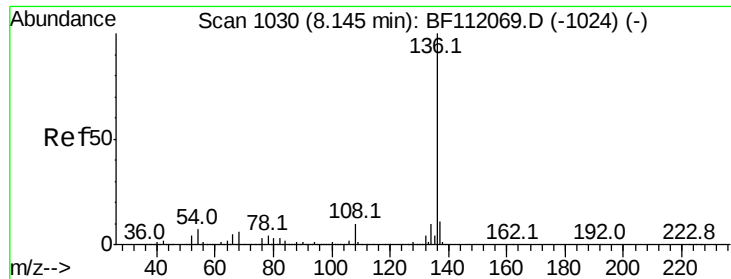
Delta R.T. -0.01 min

Lab File: BF112217.D

Acq: 24 Jan 2019 19:05

Tgt Ion:	94	Resp:	45448
Ion	Ratio	Lower	Upper
94	100		
65	27.9	20.3	60.3
66	49.8	42.4	82.4





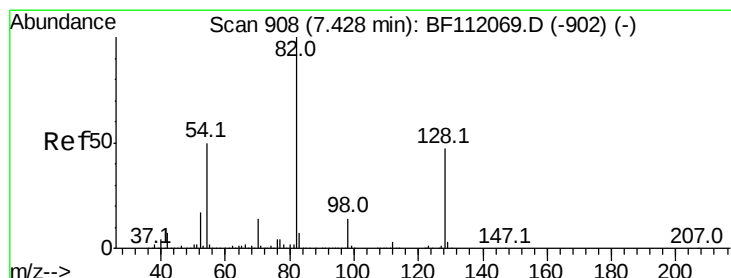
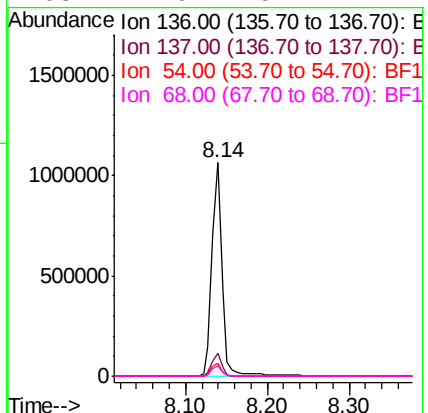
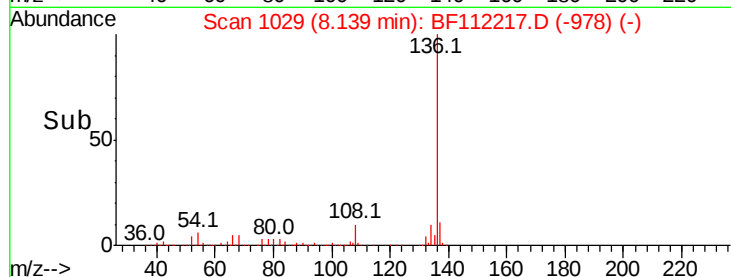
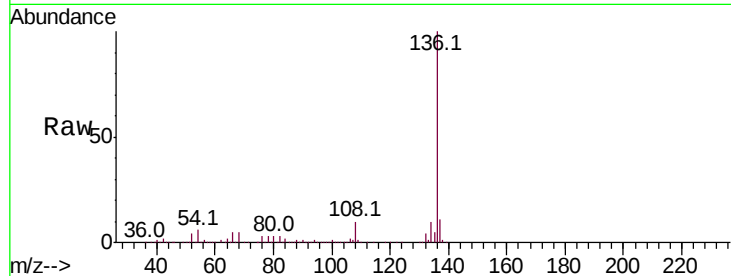
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF112217.D
Acq: 24 Jan 2019 19:05

Instrument :
BNA_F
ClientSampleId :
TS-Q

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	9.1	13.7	
54	6.2	5.9	8.9	
68	4.9	5.1	7.7	

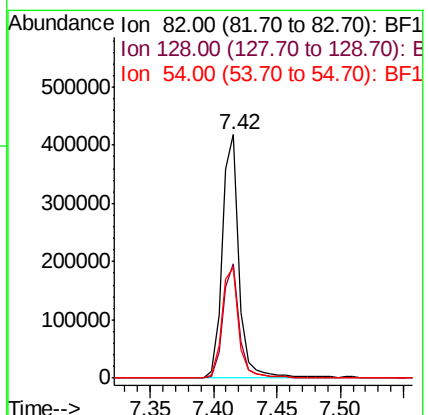
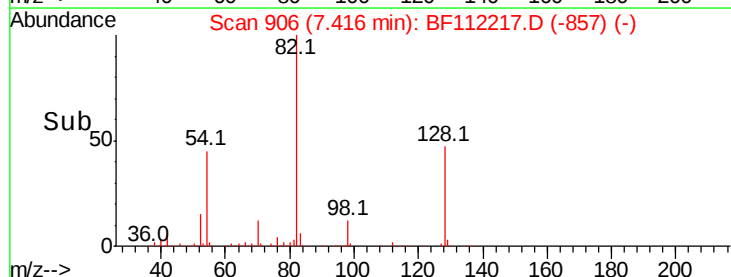
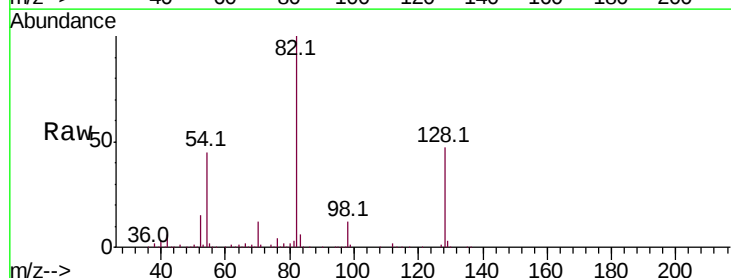
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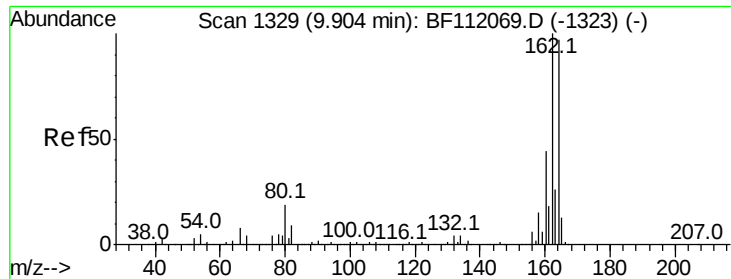
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#23
Nitrobenzene-d5
Concen: 29.179 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112217.D
Acq: 24 Jan 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.1	37.8	56.8	
54	45.3	39.7	59.5	





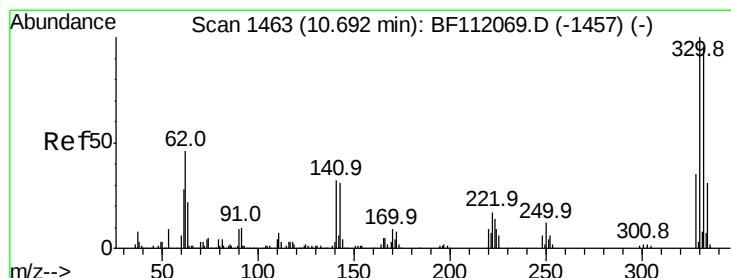
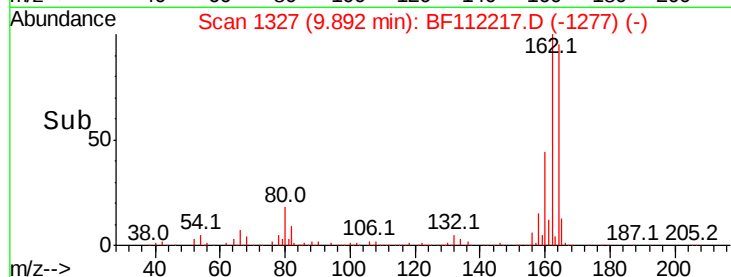
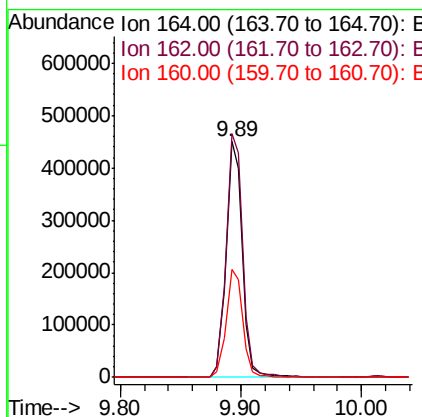
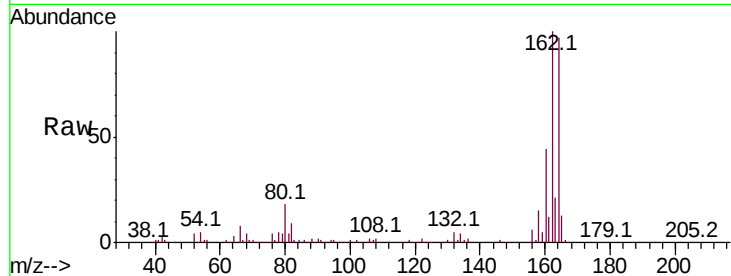
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112217.D
Acq: 24 Jan 2019 19:05

Instrument :
BNA_F
ClientSampleId :
TS-Q

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.2	123.4
160	45.6	36.2	54.4

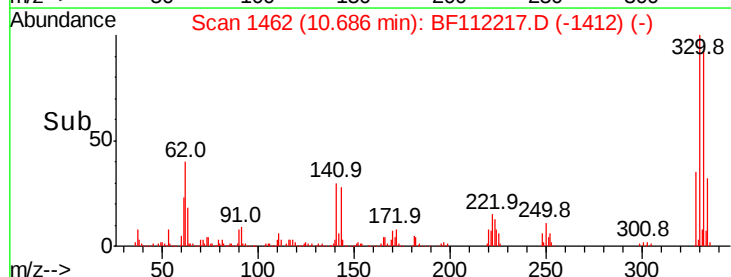
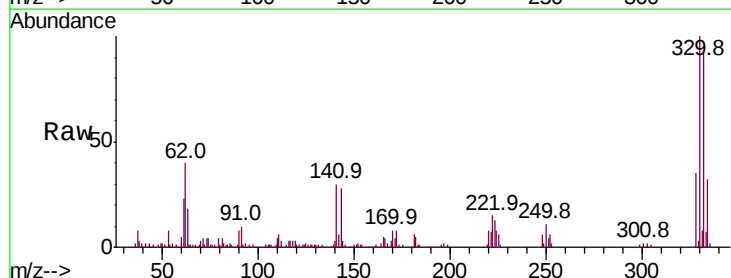
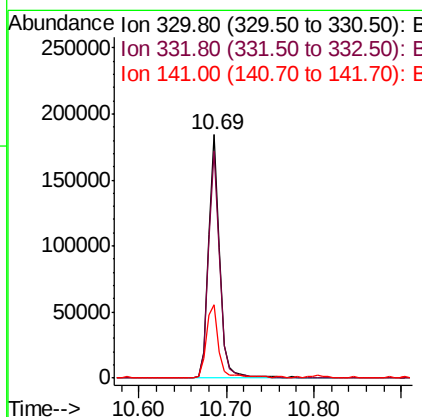
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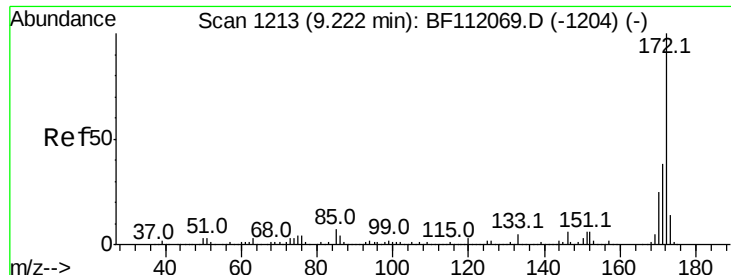
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#42
2,4,6-Tribromophenol
Concen: 36.612 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF112217.D
Acq: 24 Jan 2019 19:05

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.6	114.8
141	32.6	24.3	36.5





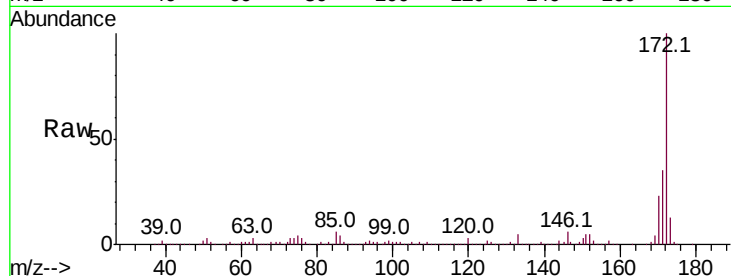
#45
2-Fluorobiphenyl
Concen: 25.677 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF112217.D
Acq: 24 Jan 2019 19:05

Instrument :
BNA_F
ClientSampled :
TS-Q

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2		30.5	45.7
170	23.4		20.2	30.4

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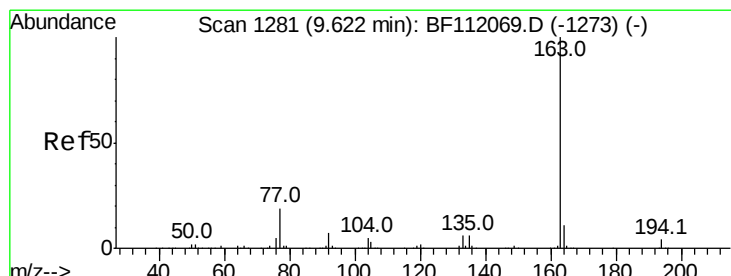
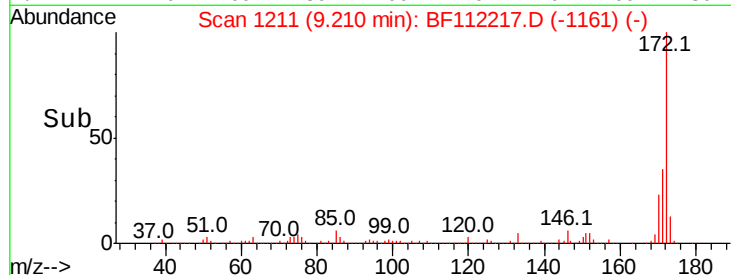
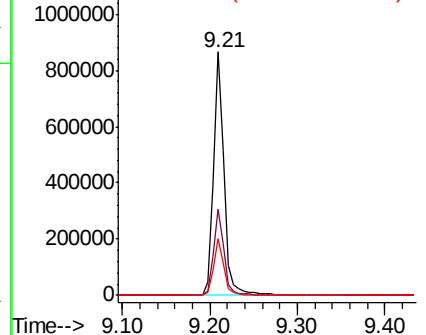


Abundance

Ion 172.00 (171.70 to 172.70): E

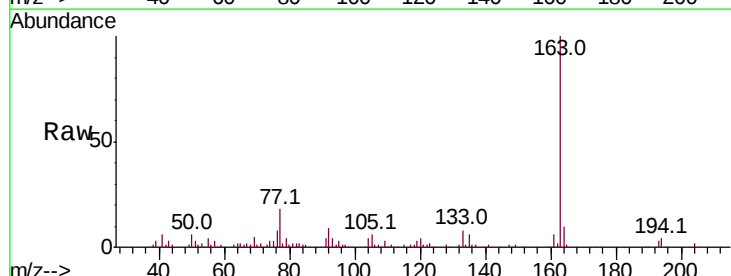
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 3.112 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF112217.D
Acq: 24 Jan 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.3		3.3	4.9
164	9.6		8.5	12.7

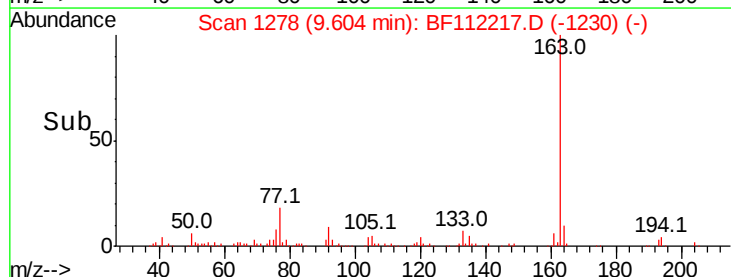
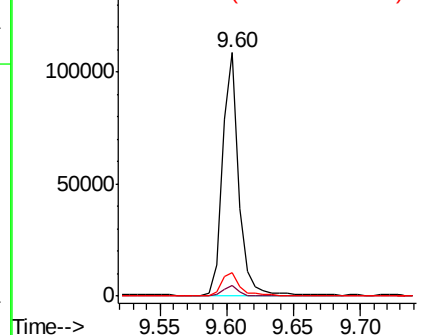


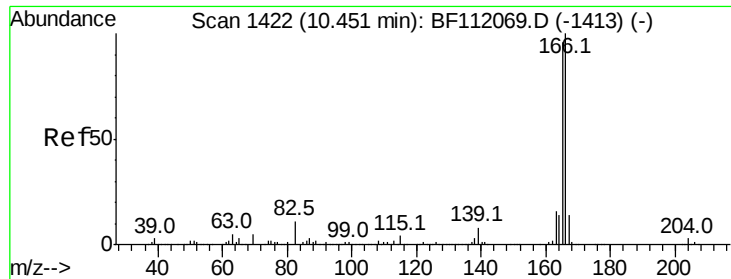
Abundance

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





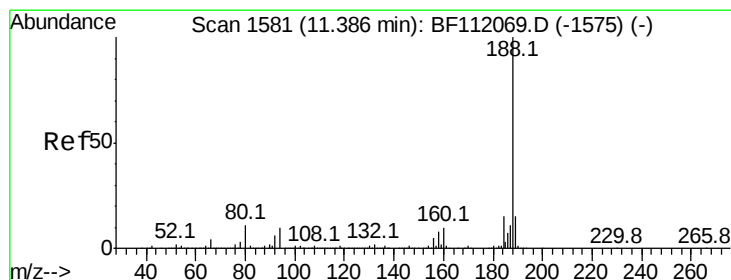
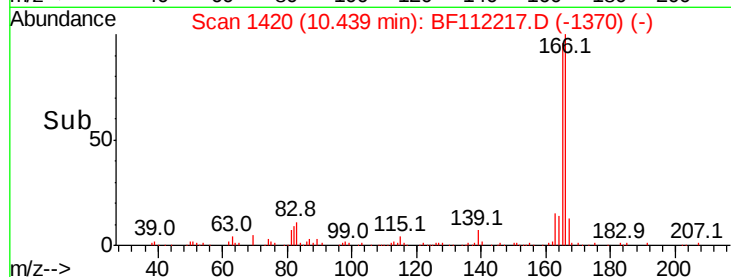
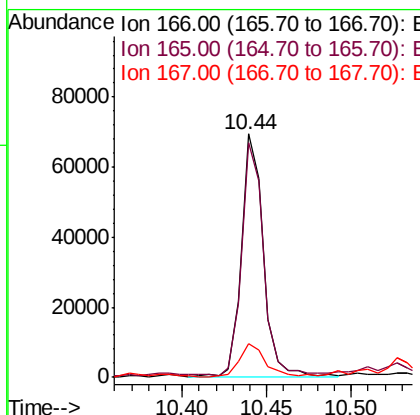
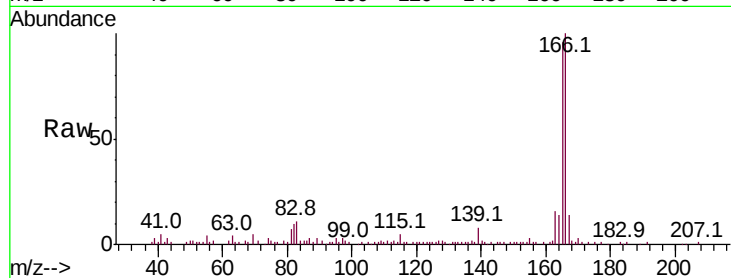
#58
 Fluorene
 Concen: 2.291 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF112217.D
 Acq: 24 Jan 2019 19:05

Instrument :
 BNA_F
 ClientSampleId :
 TS-Q

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.3	77.1	115.7
167	13.9	11.3	16.9

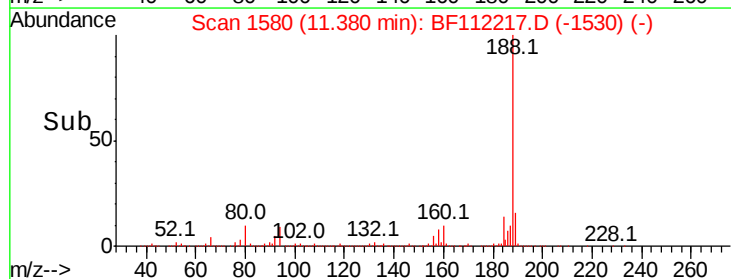
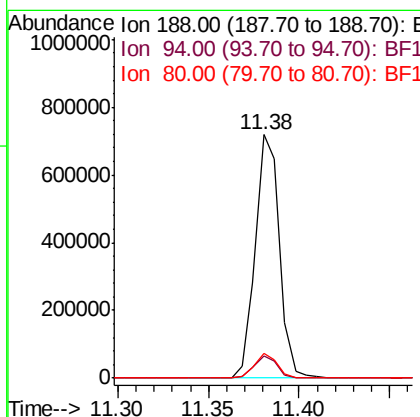
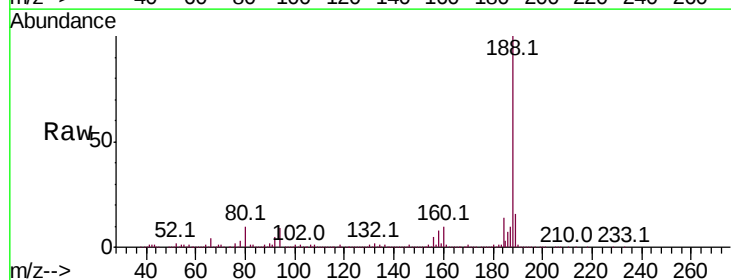
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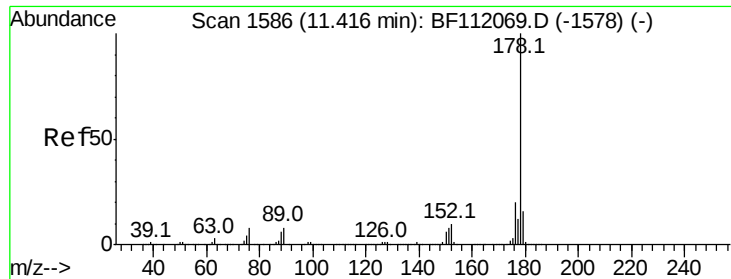
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF112217.D
 Acq: 24 Jan 2019 19:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.2	12.2
80	10.3	8.9	13.3





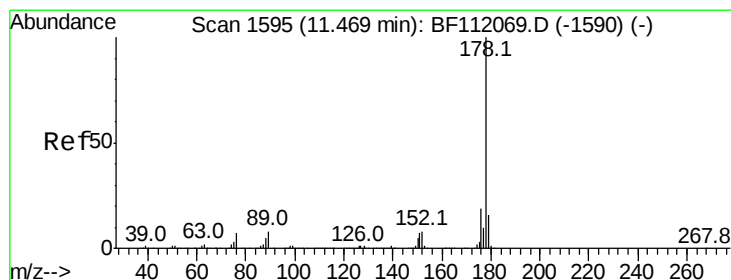
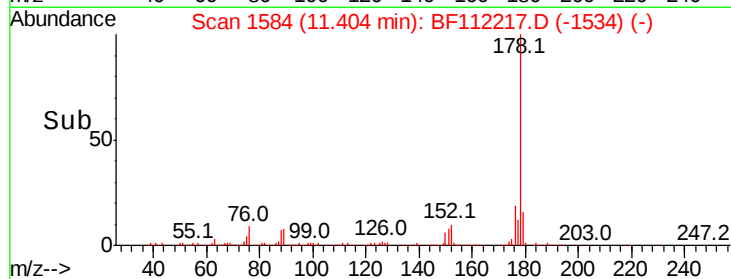
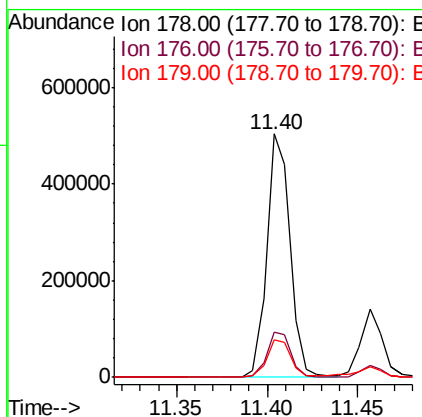
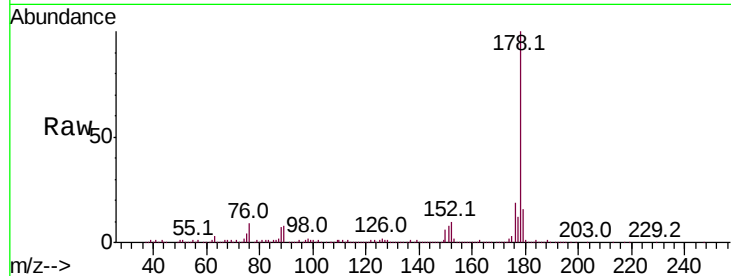
#71
Phenanthrene
Concen: 13.396 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF112217.D
Acq: 24 Jan 2019 19:05

Instrument :
BNA_F
ClientSampleId :
TS-Q

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.3	24.5
179	15.6	13.0	19.4

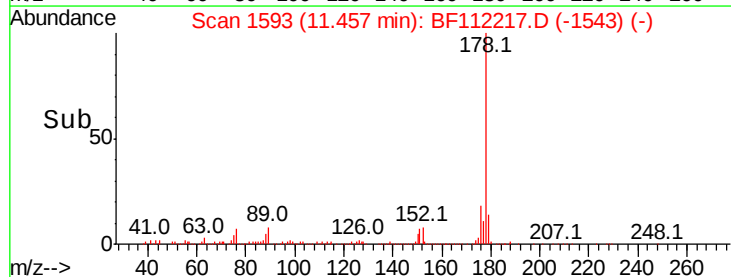
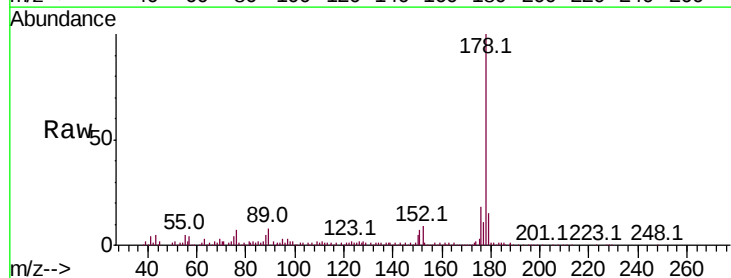
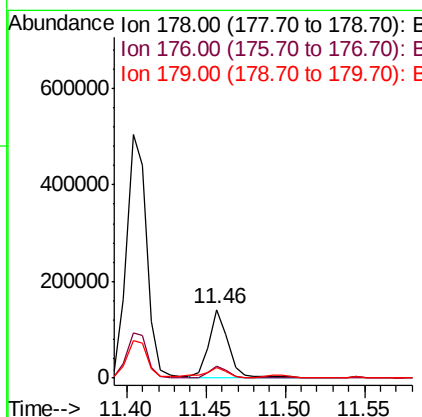
Manual Integrations
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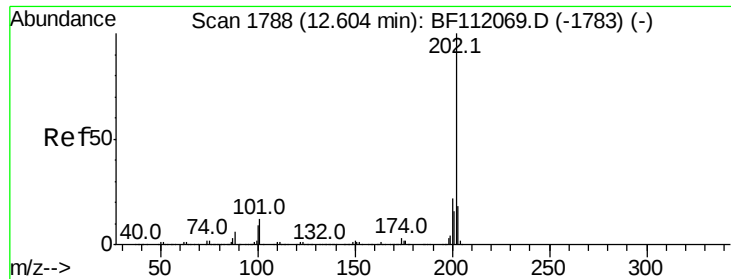
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#72
Anthracene
Concen: 3.558 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF112217.D
Acq: 24 Jan 2019 19:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.5	23.3
179	14.9	12.8	19.2





#75

Fluoranthene

Concen: 11.878 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF112217.D

Acq: 24 Jan 2019 19:05

Instrument :

BNA_F

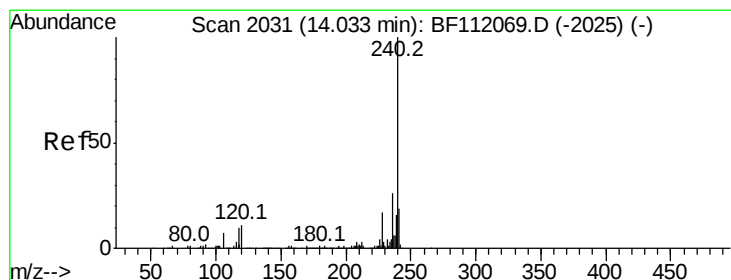
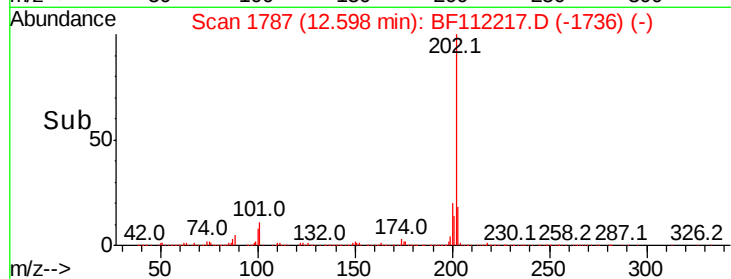
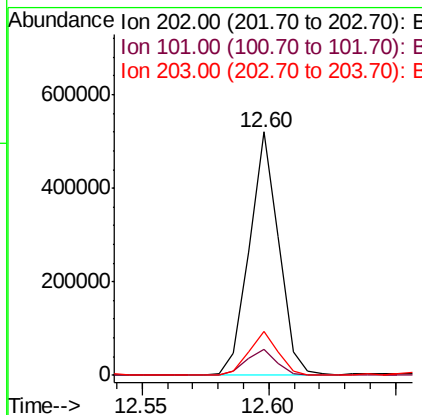
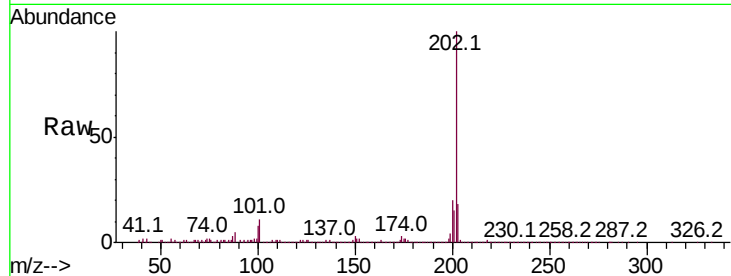
ClientSampleId :

TS-Q

Tot Ion	Ratio	Resp	Lower	Upper
202	100	419690		
101	10.8	0.0	31.8	
203	17.8	0.0	38.4	

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#76

Chrysene-d12

Concen: 20.000 ng

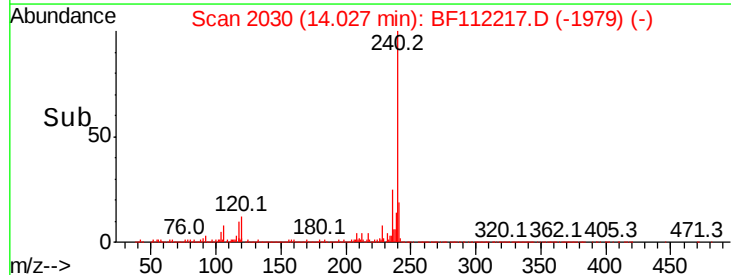
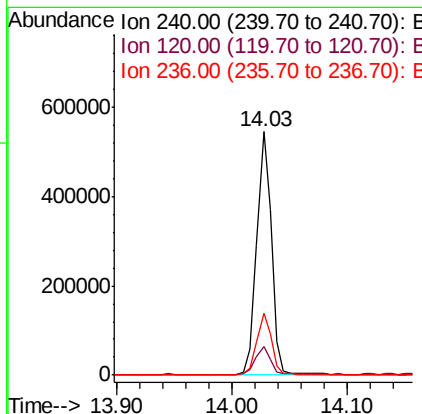
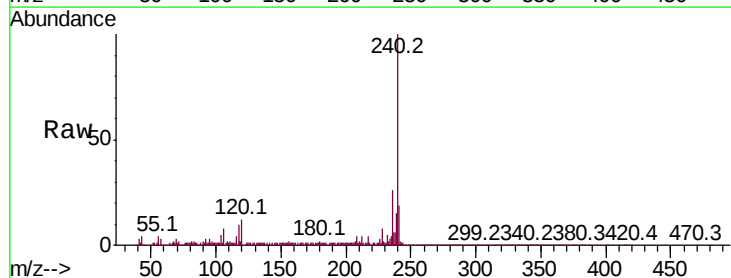
RT: 14.03 min Scan# 2030

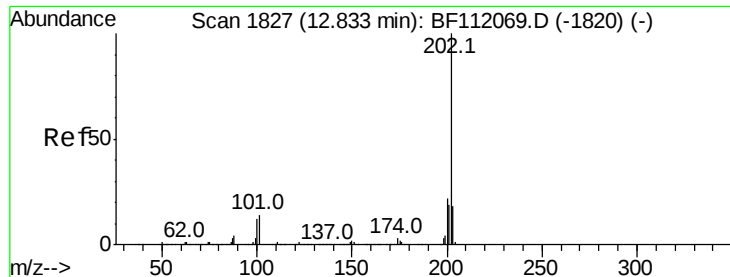
Delta R.T. 0.00 min

Lab File: BF112217.D

Acq: 24 Jan 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	482706		
120	12.0	9.0	13.6	
236	25.6	20.7	31.1	





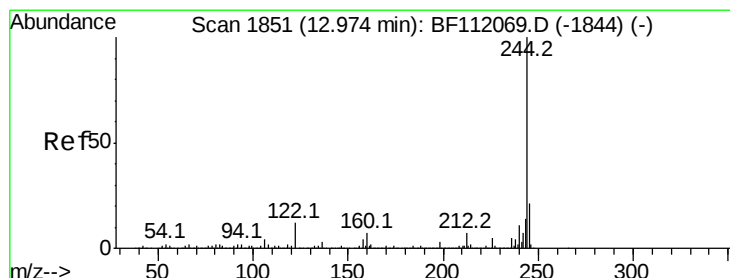
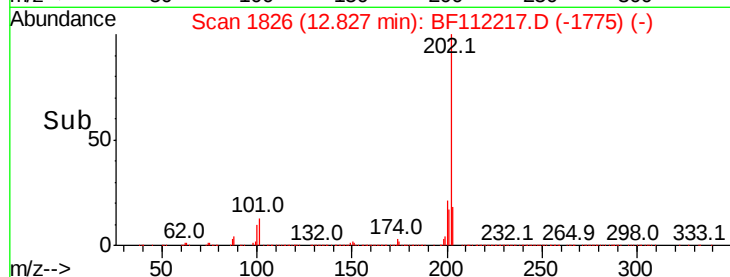
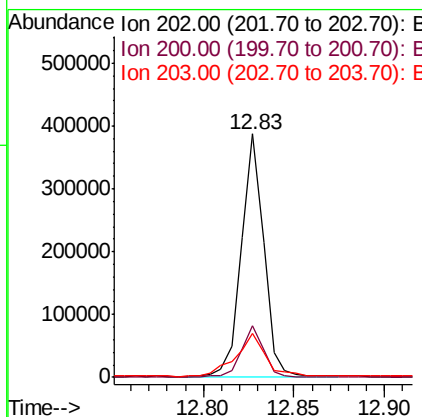
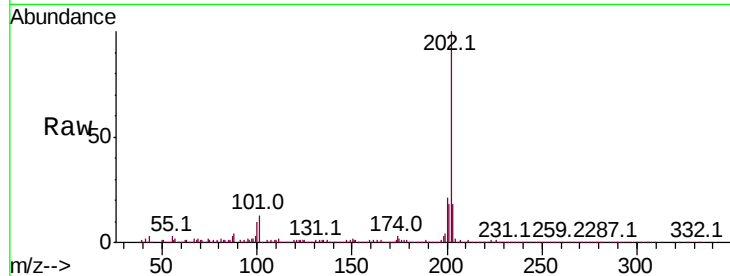
#78
Pvrene
Concen: 10.473 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF112217.D
Acq: 24 Jan 2019 19:05

Instrument :
BNA_F
ClientSampled :
TS-Q

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	18.2	14.6	22.0

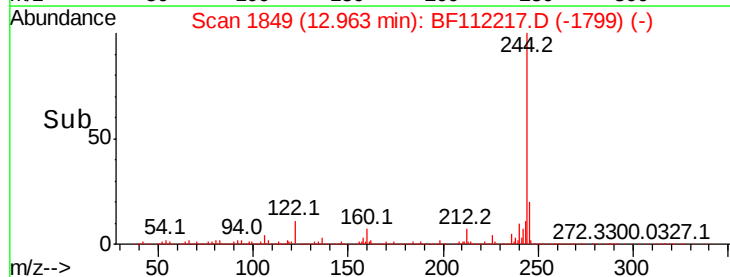
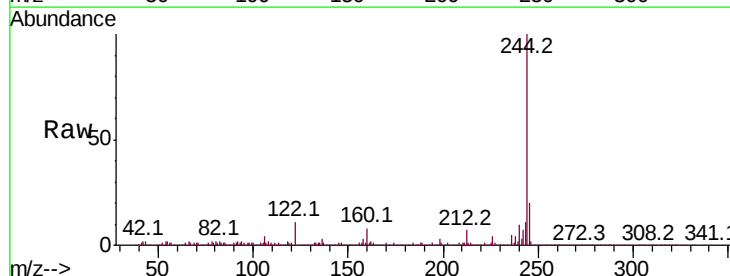
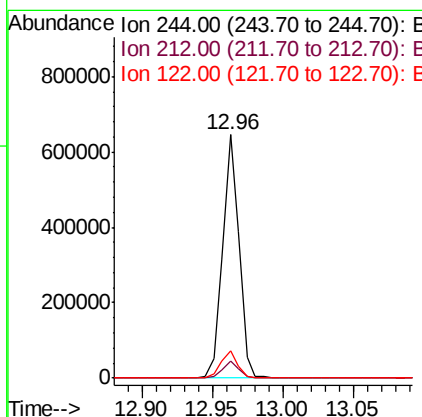
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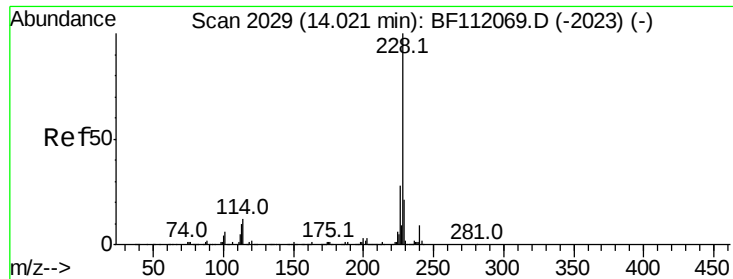
Sohil
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#79
Terphenyl-d14
Concen: 22.880 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF112217.D
Acq: 24 Jan 2019 19:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	11.2	9.8	14.6





#81

Benzo(a)anthracene

Concen: 5.412 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF112217.D

Acq: 24 Jan 2019 19:05

Instrument :

BNA_F

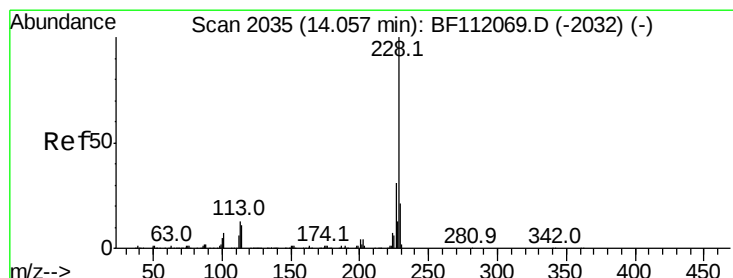
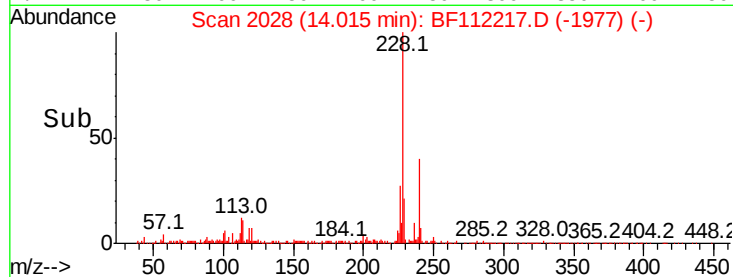
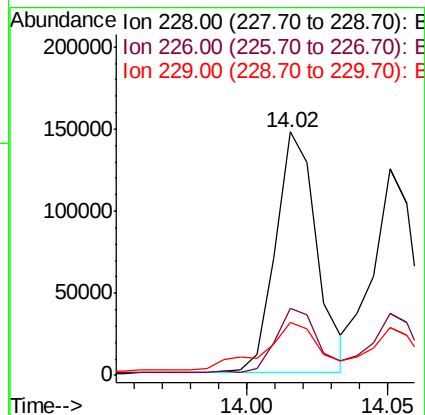
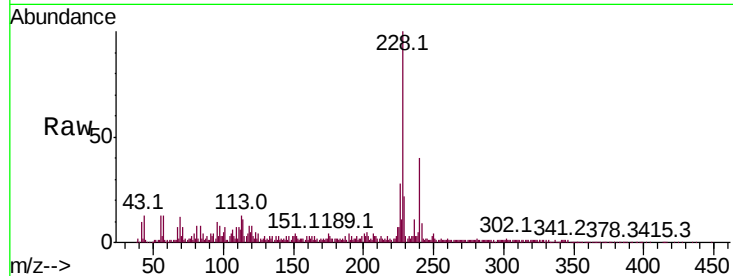
ClientSampleId :

TS-Q

Tot Ion:	228	Resp:	149798
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.6	34.0
229	21.8	16.5	24.7

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#83

Chrysene

Concen: 4.848 ng

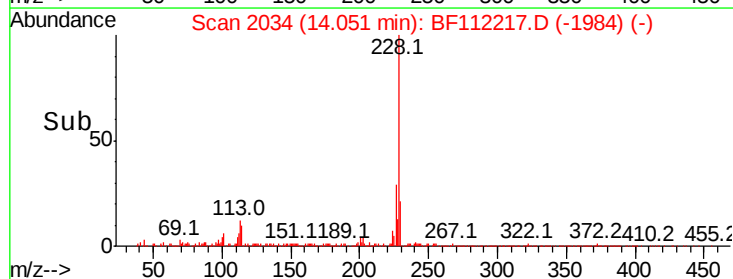
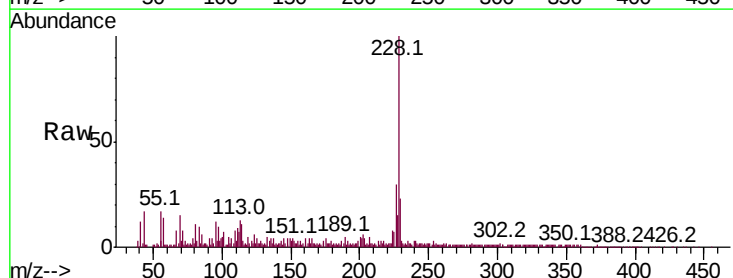
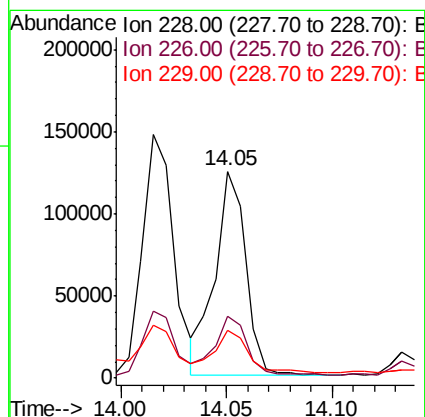
RT: 14.05 min Scan# 2034

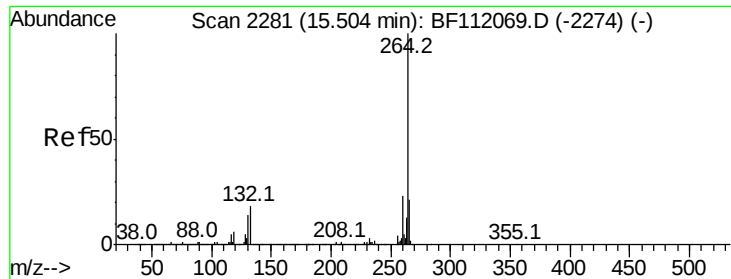
Delta R.T. -0.01 min

Lab File: BF112217.D

Acq: 24 Jan 2019 19:05

Tgt Ion:	228	Resp:	126964
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.0	37.6
229	23.2	16.6	24.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BF112217.D

Acq: 24 Jan 2019 19:05

Instrument :

BNA_F

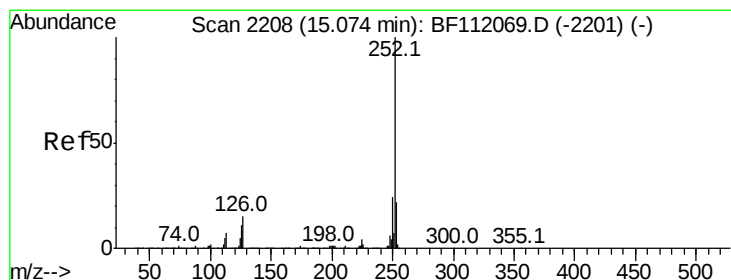
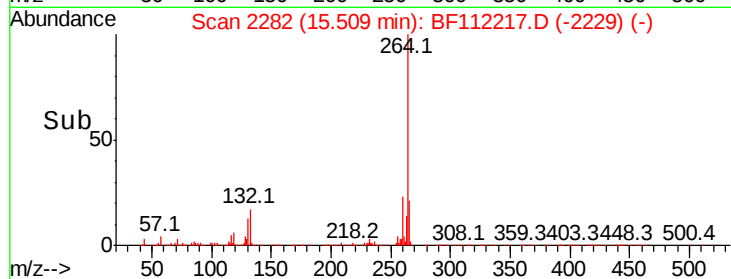
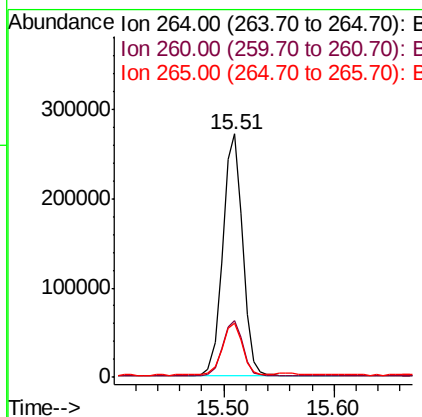
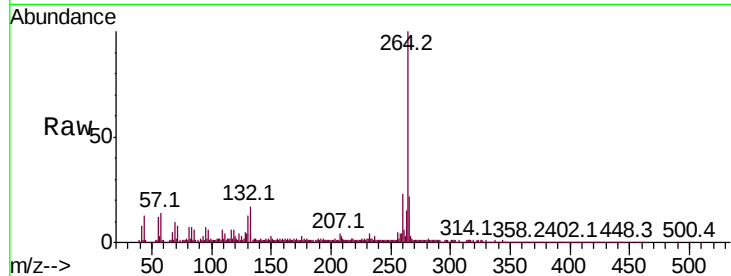
ClientSampleId :

TS-Q

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.2
265	22.1	17.0	25.4

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#88

Benzo(b)fluoranthene

Concen: 6.551 ng m

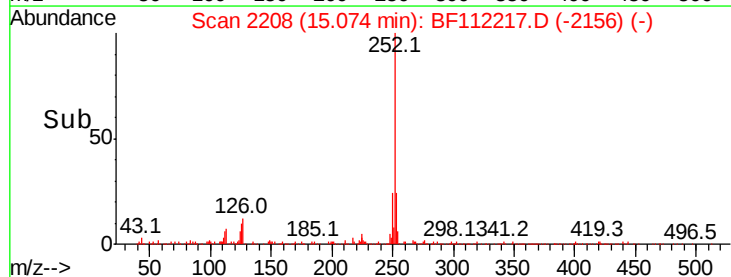
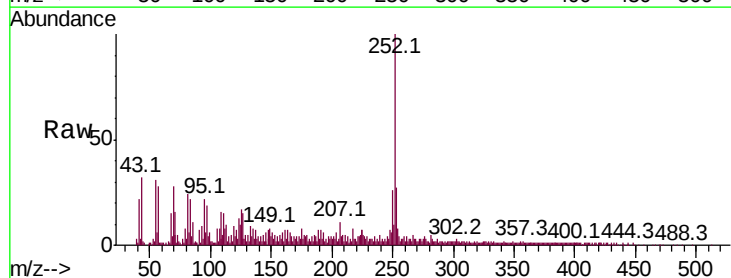
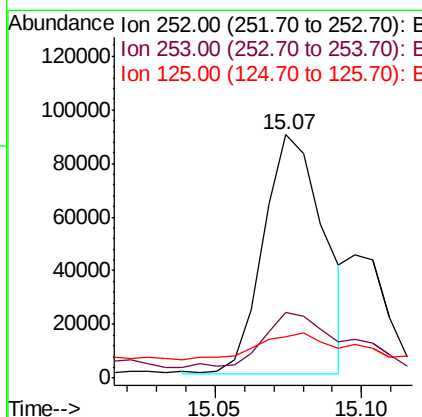
RT: 15.07 min Scan# 2208

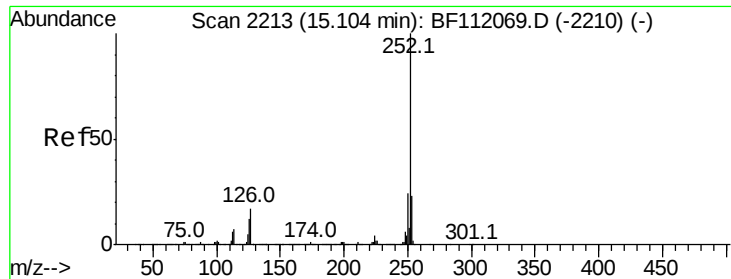
Delta R.T. 0.01 min

Lab File: BF112217.D

Acq: 24 Jan 2019 19:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	18.0	27.0#
125	17.1	8.7	13.1#





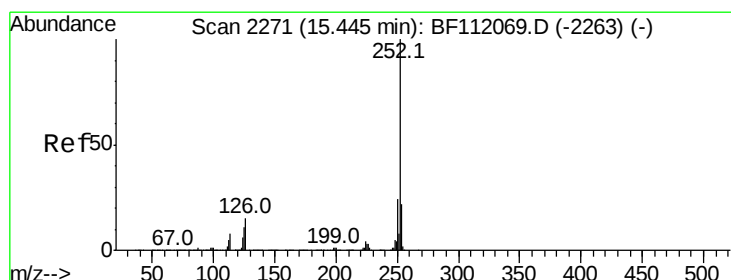
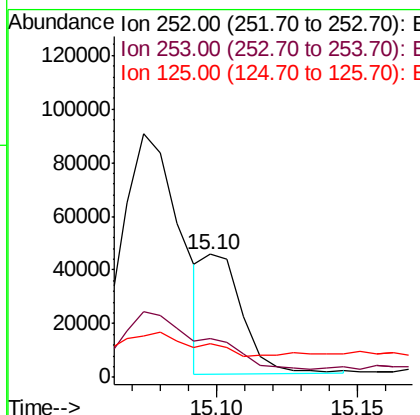
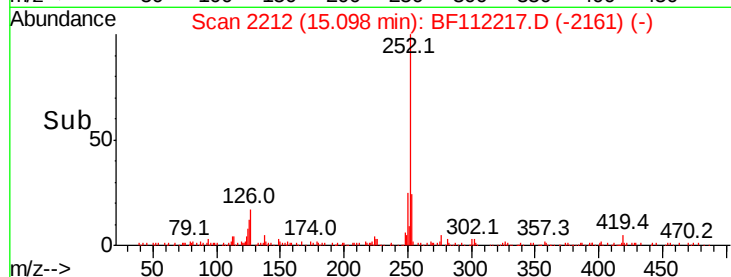
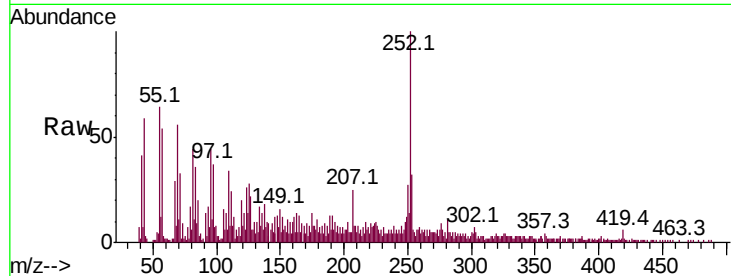
#89
Benzo(k)fluoranthene
Concen: 2.230 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF112217.D
Acq: 24 Jan 2019 19:05

Instrument :
BNA_F
ClientSampleId :
TS-Q

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.0	18.0	27.0#
125	27.7	9.1	13.7#

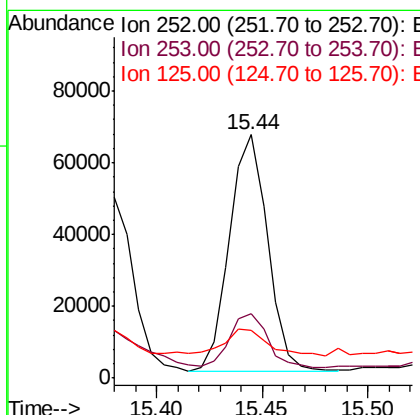
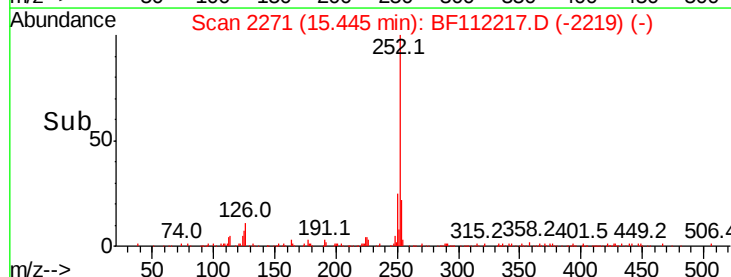
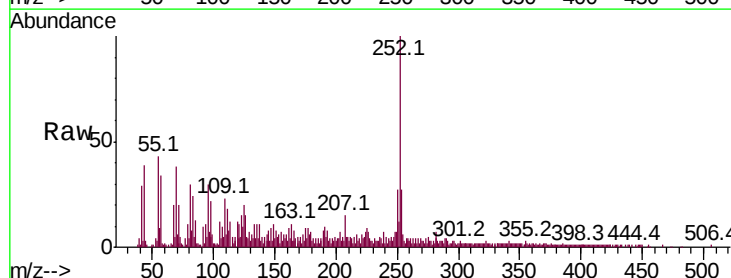
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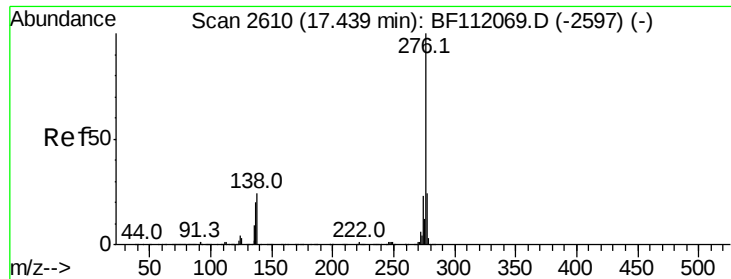
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#90
Benzo(a)pyrene
Concen: 4.601 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF112217.D
Acq: 24 Jan 2019 19:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.5	26.3#
125	19.7	9.0	13.4#





#92
 Benzo(a,h,i)perylene
 Concen: 2.814 ng
 RT: 17.45 min Scan# 2612
 Delta R.T. 0.02 min
 Lab File: BF112217.D
 Acq: 24 Jan 2019 19:05

Instrument :
 BNA_F
 ClientSampleId :
 TS-Q

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.6	19.4	29.0#
138	31.0	19.1	28.7#

Manual Integrations
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