

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112161.D
 Acq On : 21 Jan 2019 16:25
 Operator : JU/SJ
 Sample : K1013-03 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-B

Manual Integrations
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Quant Time: Jan 21 18:05:35 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	6.85	152	246529	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	899400	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	358424	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	596147	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	511823	20.00	ng	0.00
87) Perylene-d12	15.49	264	378920	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	298403	21.97	ng	-0.01
7) Phenol-d6	6.49	99	371835	21.88	ng	-0.01
23) Nitrobenzene-d5	7.41	82	198937	15.28	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	73804	19.09	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	419547	17.16	ng	0.00
79) Terphenyl-d14	12.96	244	369594	15.36	ng	-0.01
Target Compounds						
58) Fluorene	10.44	166	51320	2.168	ng	Qvalue 97
71) Phenanthrene	11.40	178	378283	12.609	ng	98
72) Anthracene	11.45	178	130590	4.297	ng	97
75) Fluoranthene	12.59	202	733193	23.146	ng	99
78) Pyrene	12.82	202	677000	20.049	ng	98
81) Benzo(a)anthracene	14.01	228	352414	12.009	ng	97
83) Chrysene	14.04	228	295796	10.652	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	116055	4.530	ng	# 93
88) Benzo(b)fluoranthene	15.06	252	320328m	14.893	ng	
89) Benzo(k)fluoranthene	15.09	252	118528m	5.694	ng	
90) Benzo(a)pyrene	15.43	252	221688	11.239	ng	96
92) Benzo(a,h,i)perylene	17.42	276	112599	6.524	ng	97

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

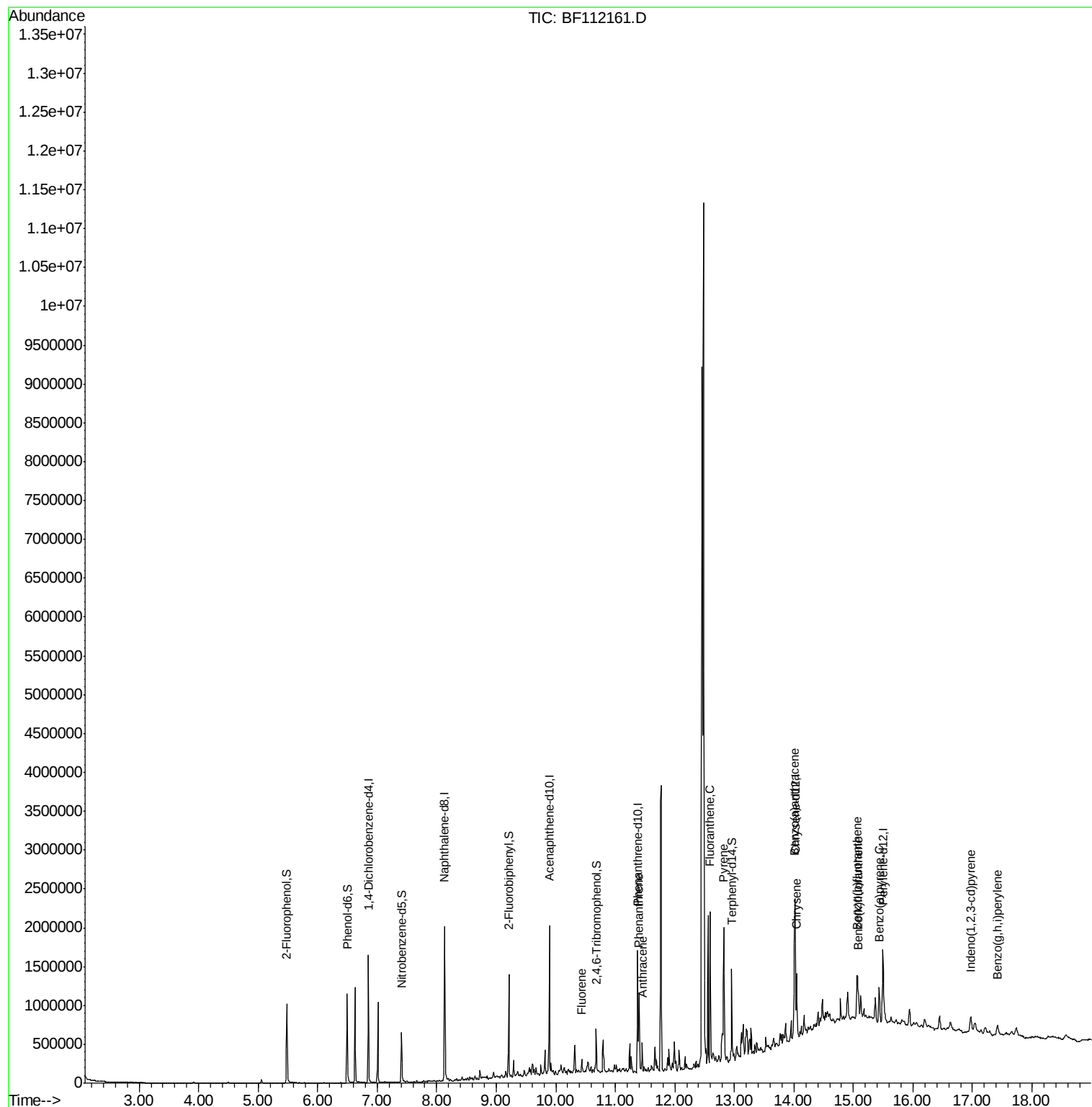
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
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ALS Vial : 12 Sample Multiplier: 1

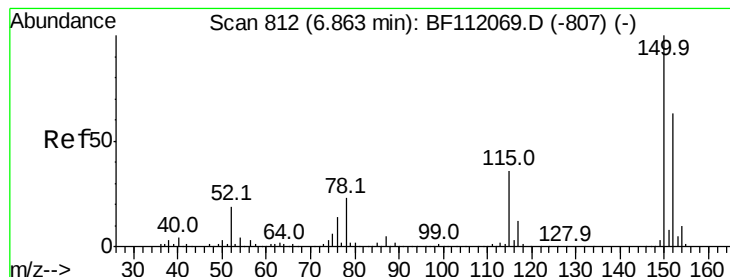
Instrument :
BNA_F
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PL-01-011819-B

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#1

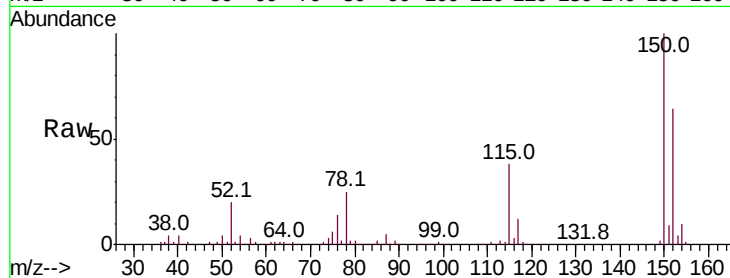
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	127.4	191.0
115	60.1	45.5	68.3

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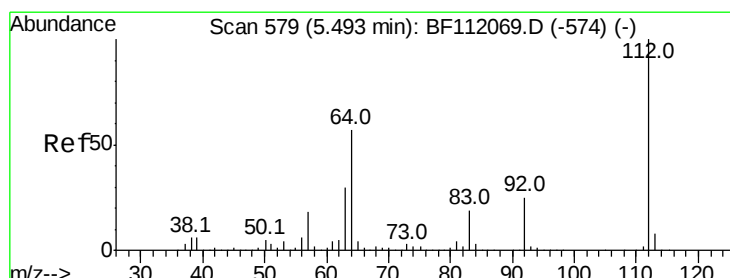
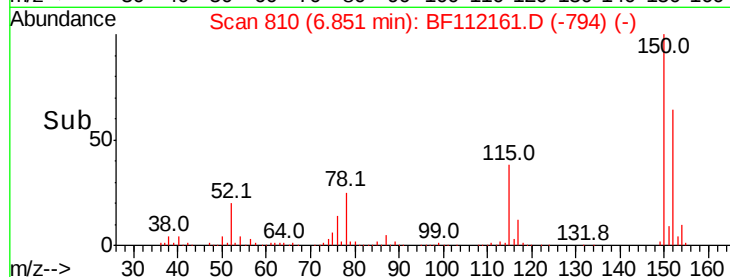
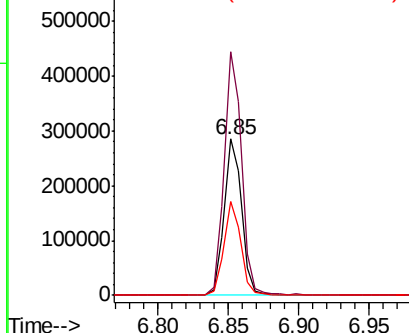


Abundance

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: 21.970 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

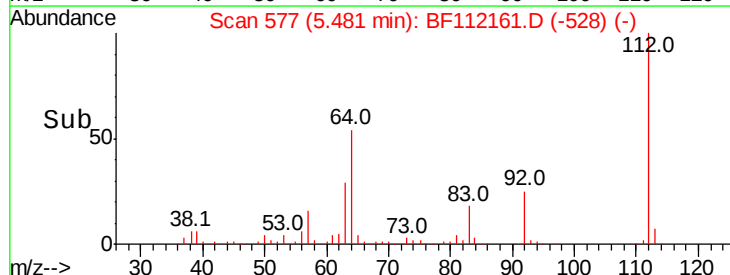
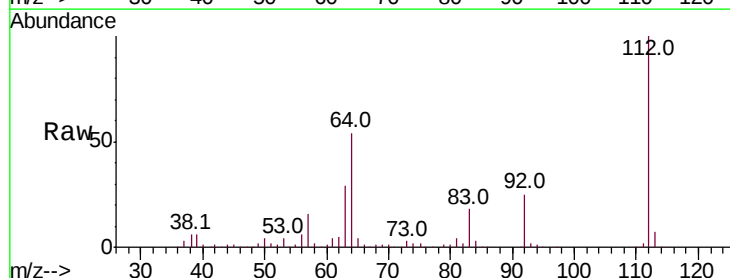
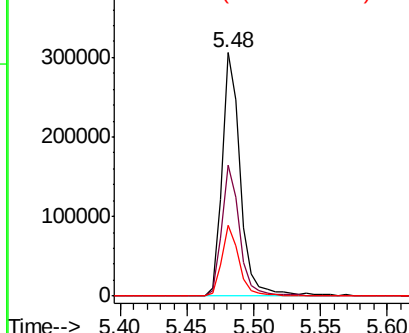
Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	45.7	68.5
63	29.0	23.6	35.4

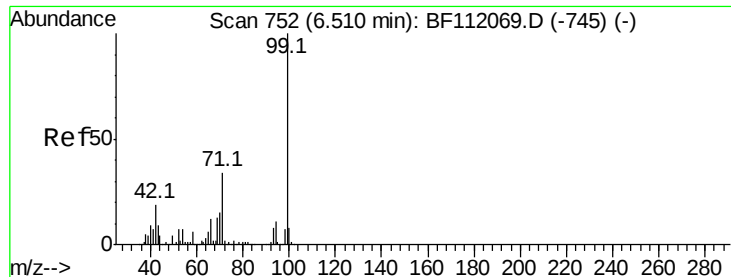
Abundance

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: 21.881 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112161.D

Acq: 21 Jan 2019 16:25

Instrument :

BNA_F

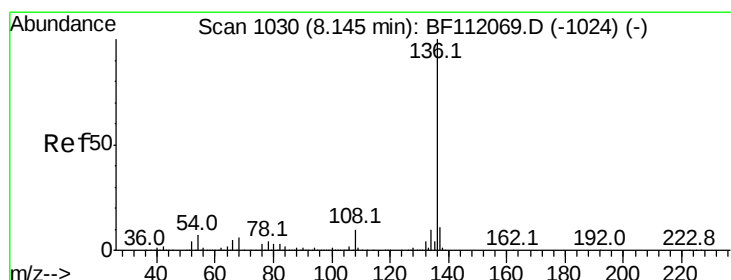
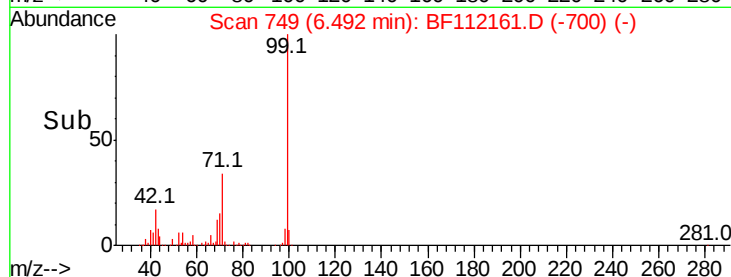
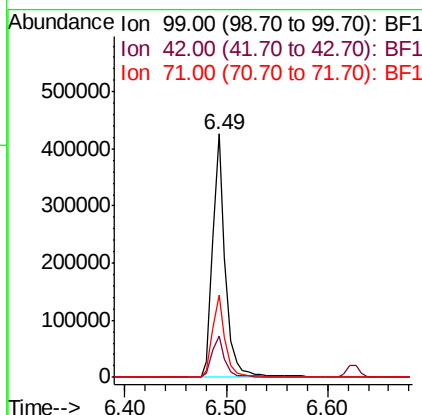
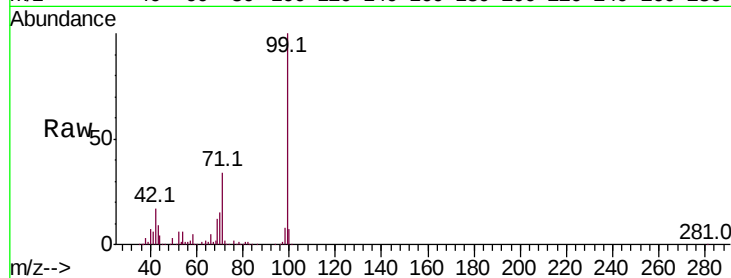
ClientSampleId :

PL-01-011819-B

Tot Ion:	99	Resp:	371835
Ion	Ratio	Lower	Upper
99	100		
42	17.2	15.1	22.7
71	34.0	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

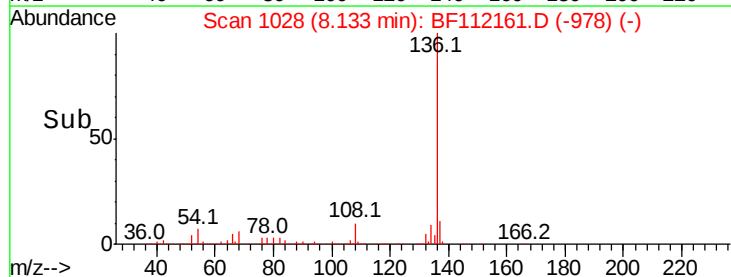
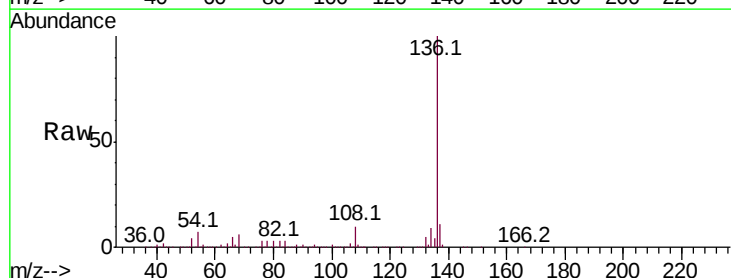
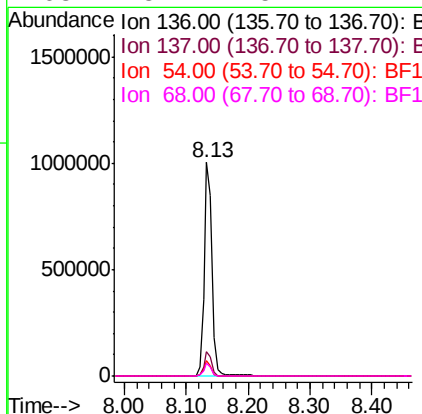
RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112161.D

Acq: 21 Jan 2019 16:25

Tgt Ion:	136	Resp:	899400
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.0	5.9	8.9
68	5.7	5.1	7.7





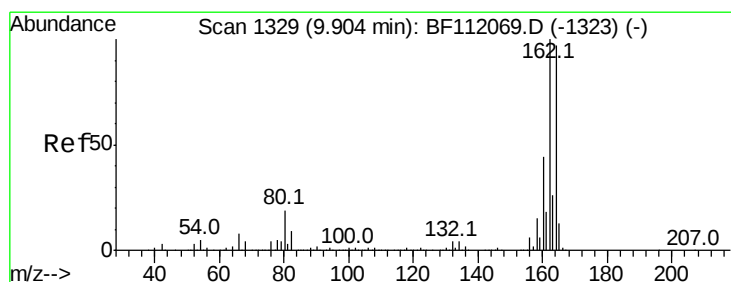
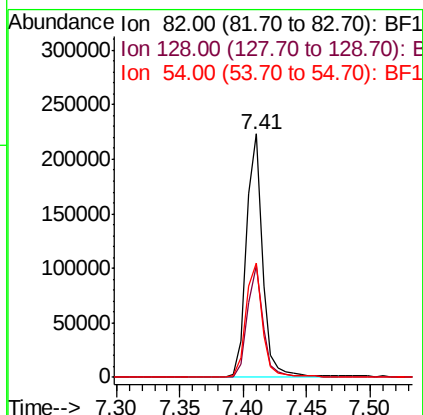
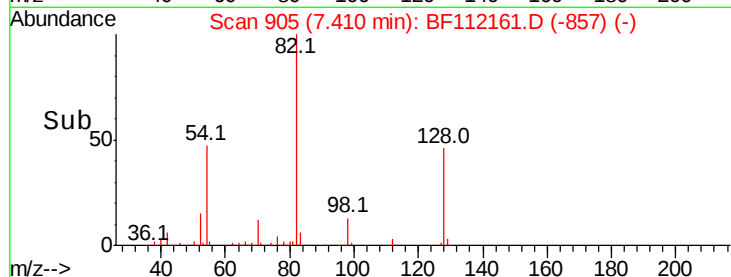
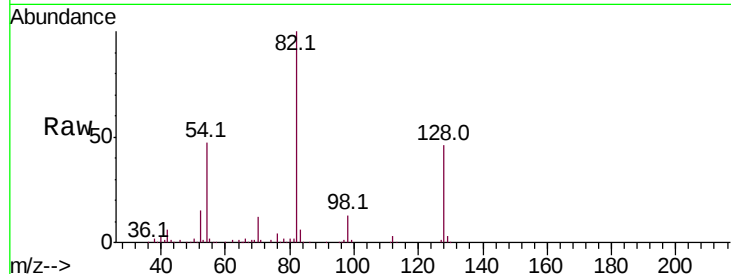
#23
Nitrobenzene-d5
Concen: 15.282 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100	198937		
128	46.1	37.8	56.8	
54	47.1	39.7	59.5	

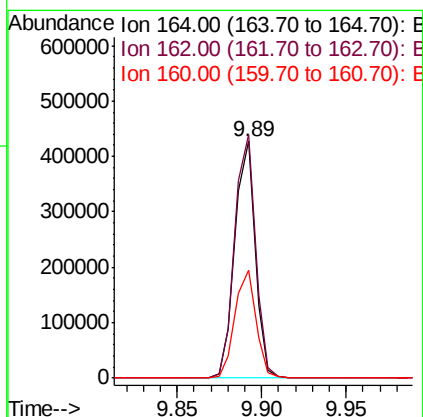
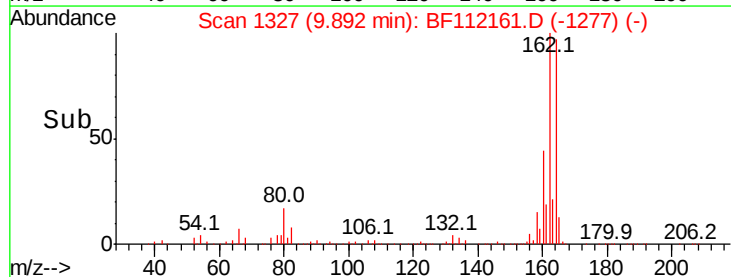
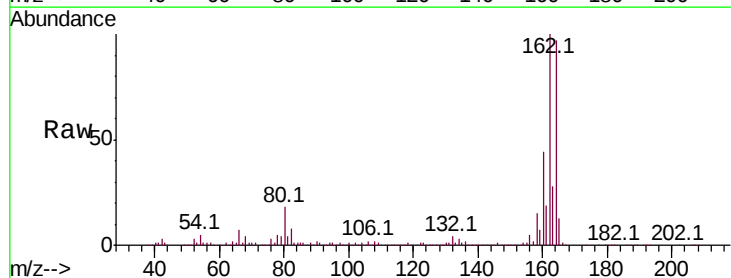
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	358424		
162	102.8	82.2	123.4	
160	45.5	36.2	54.4	





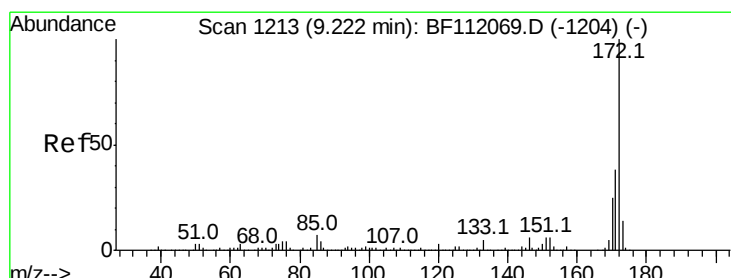
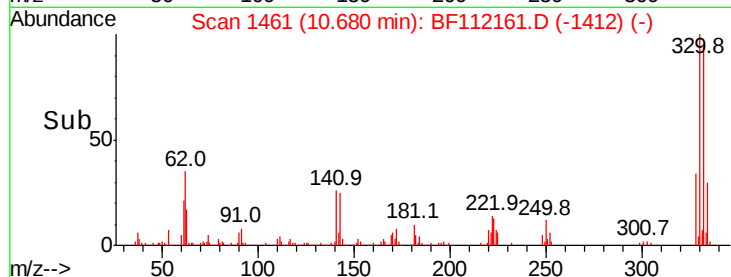
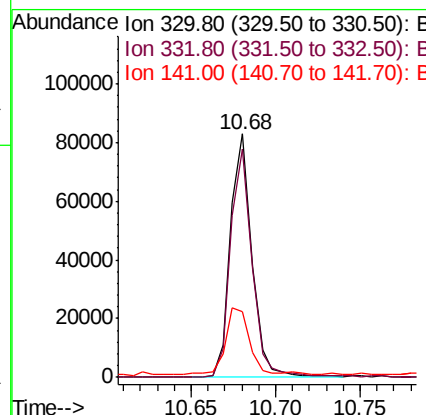
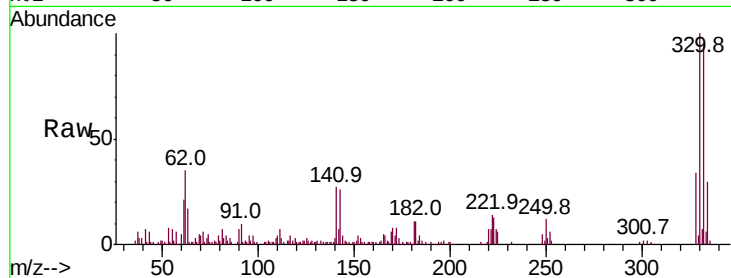
#42
 2,4,6-Tribromophenol
 Concen: 19.088 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112161.D
 Acq: 21 Jan 2019 16:25

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	114.8
141	31.5	24.3	36.5

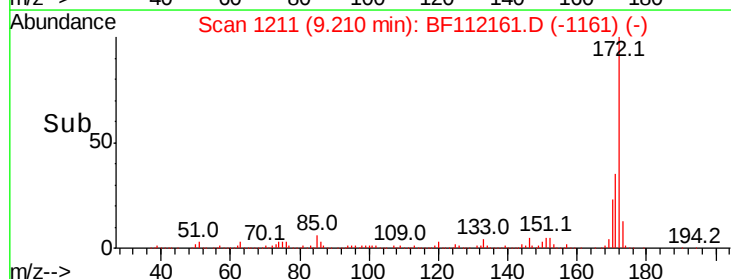
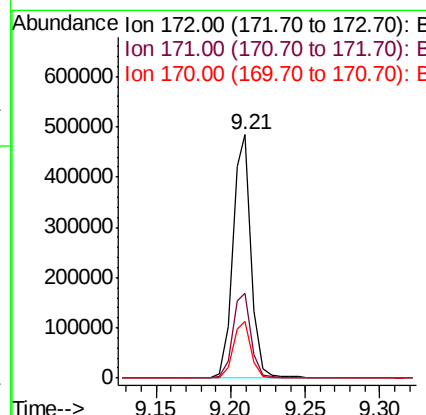
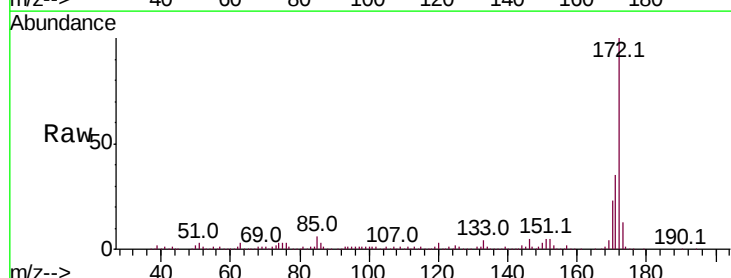
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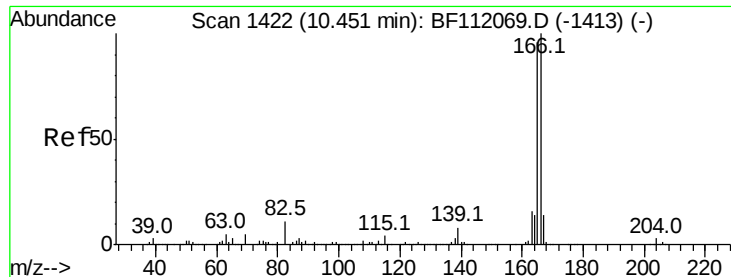
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#45
 2-Fluorobiphenyl
 Concen: 17.161 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112161.D
 Acq: 21 Jan 2019 16:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.5	45.7
170	23.2	20.2	30.4





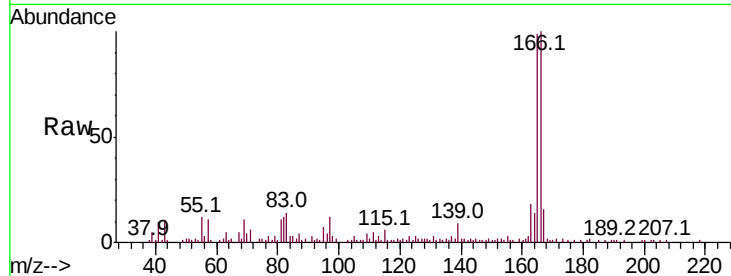
#58
 Fluorene
 Concen: 2.168 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF112161.D
 Acq: 21 Jan 2019 16:25

Instrument :
 BNA_F
 ClientSampleID :
 PL-01-011819-B

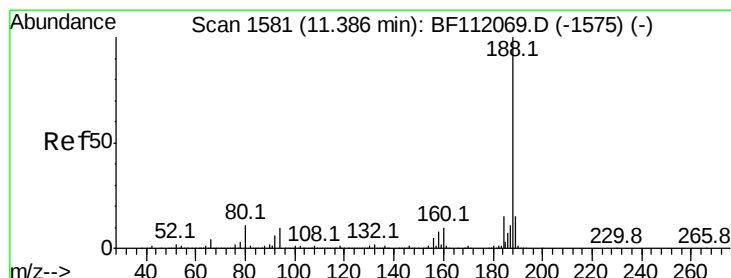
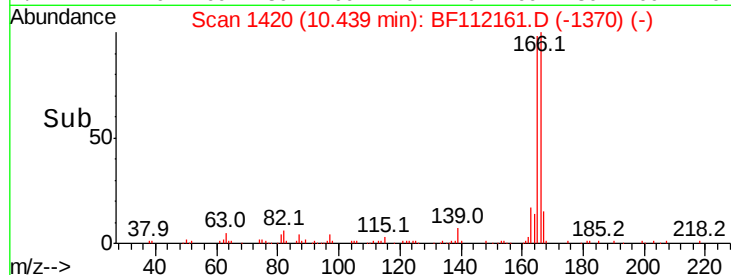
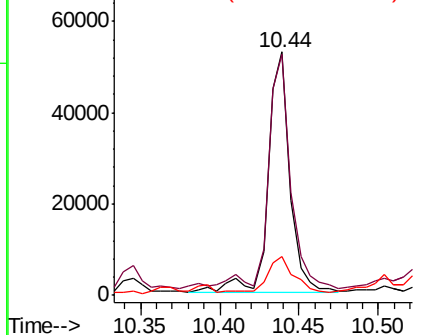
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.1	115.7
167	16.0	11.3	16.9

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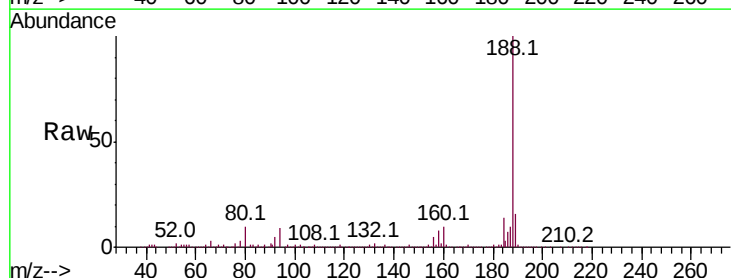


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

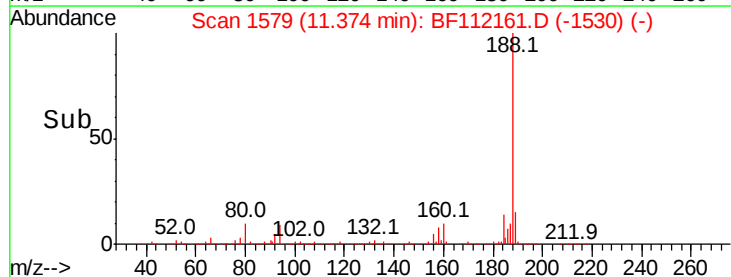
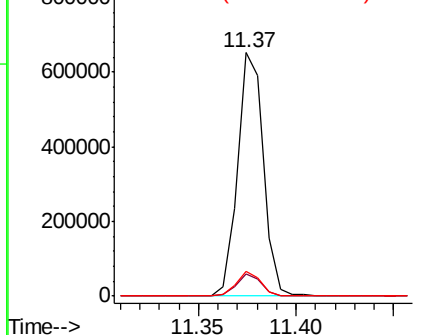


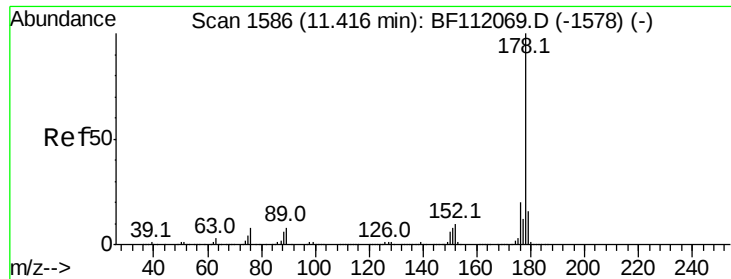
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF112161.D
 Acq: 21 Jan 2019 16:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.2	12.2
80	10.0	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





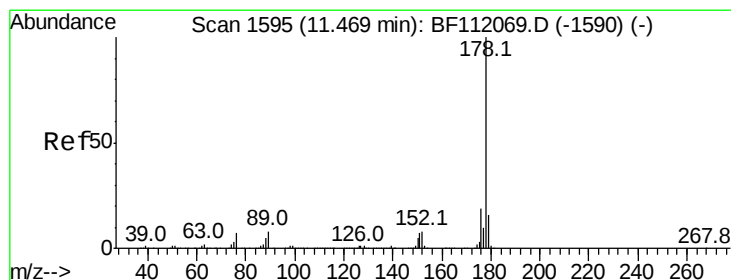
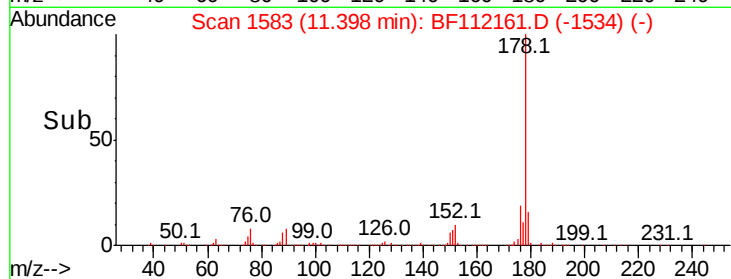
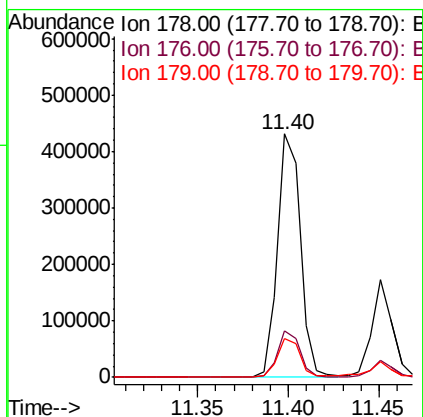
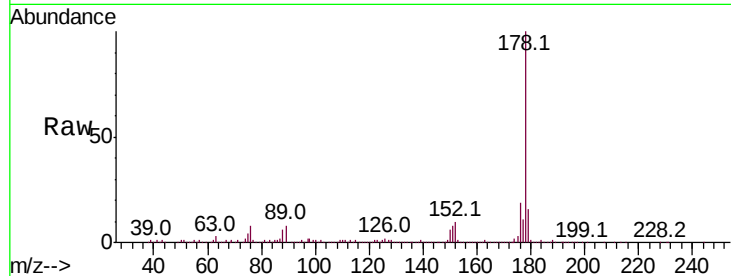
#71
Phenanthrene
Concen: 12.609 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.3	24.5
179	15.9	13.0	19.4

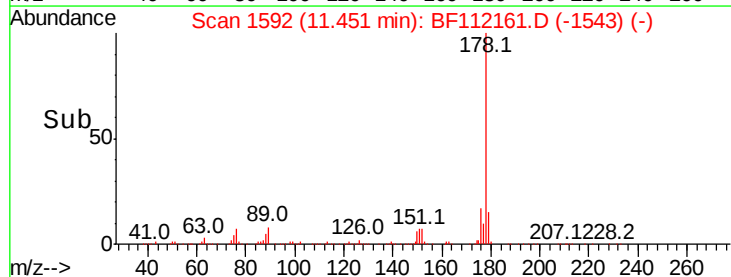
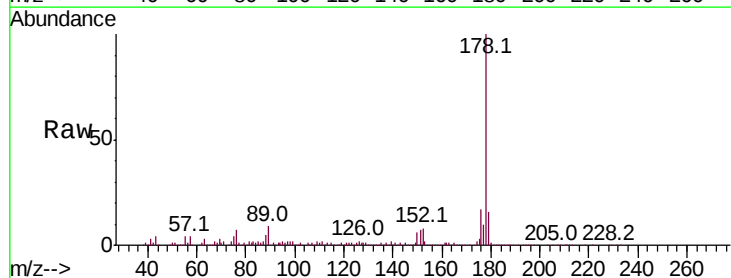
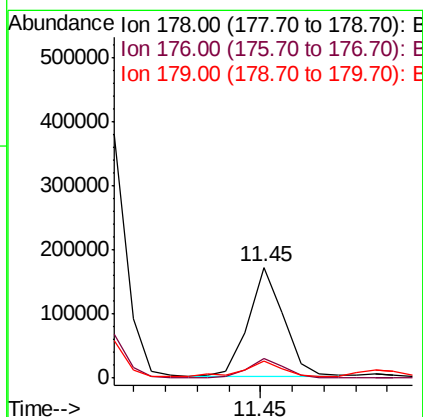
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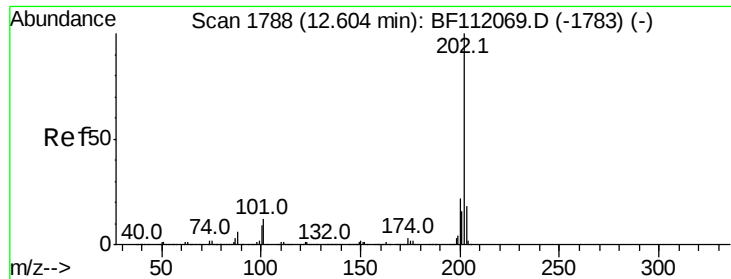
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#72
Anthracene
Concen: 4.297 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.5	23.3
179	15.6	12.8	19.2





#75

Fluoranthene

Concen: 23.146 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112161.D

Acq: 21 Jan 2019 16:25

Instrument :

BNA_F

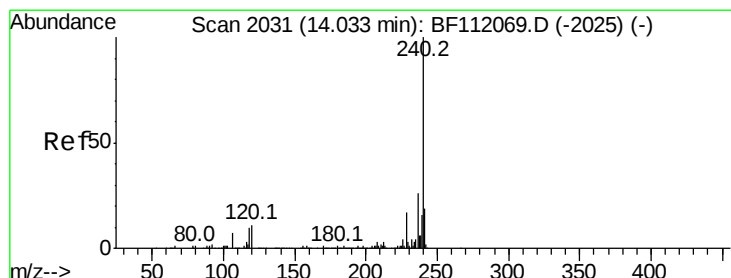
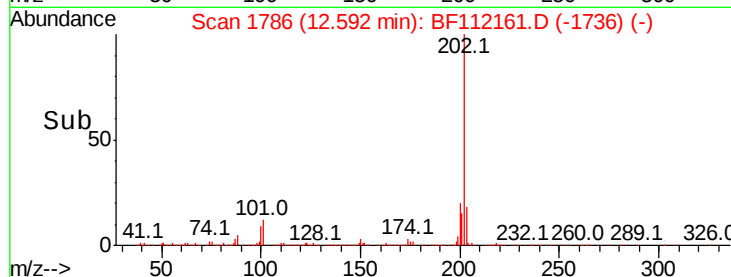
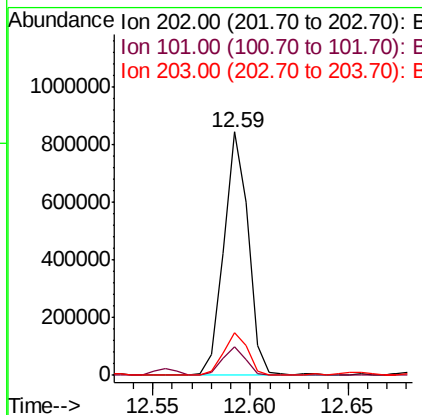
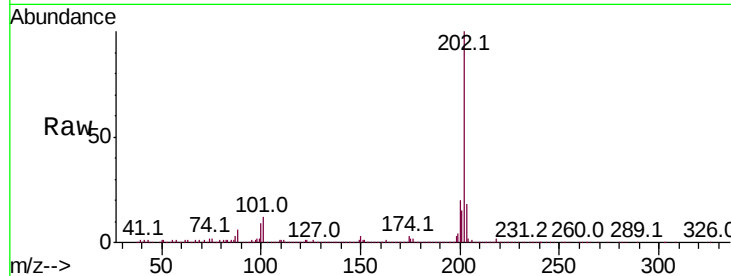
ClientSampleId :

PL-01-011819-B

Tot Ion	Ratio	Resp	Lower	Upper
202	100	733193		
101	11.7	0.0	31.8	
203	17.7	0.0	38.4	

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#76

Chrysene-d12

Concen: 20.000 ng

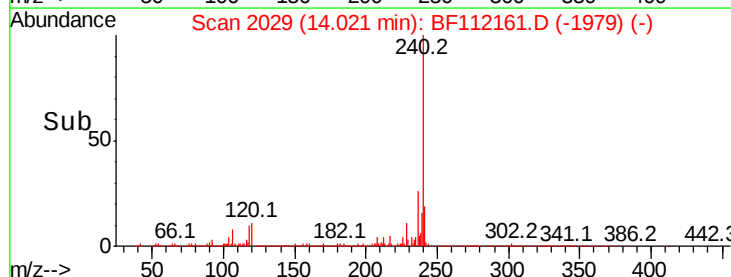
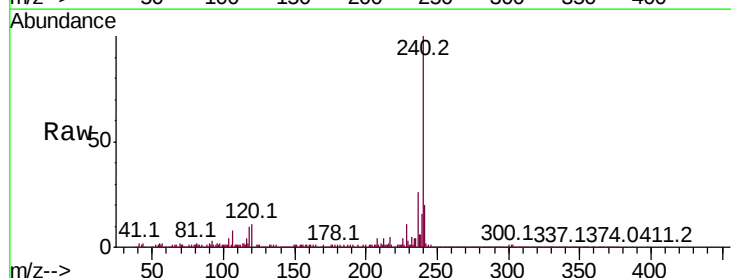
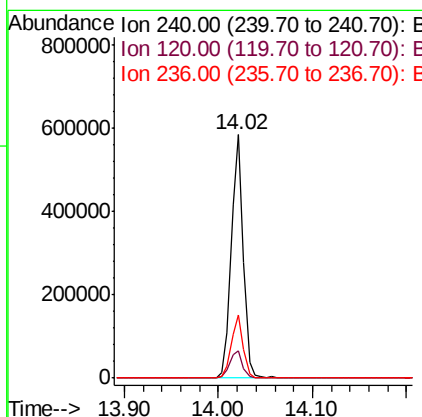
RT: 14.02 min Scan# 2029

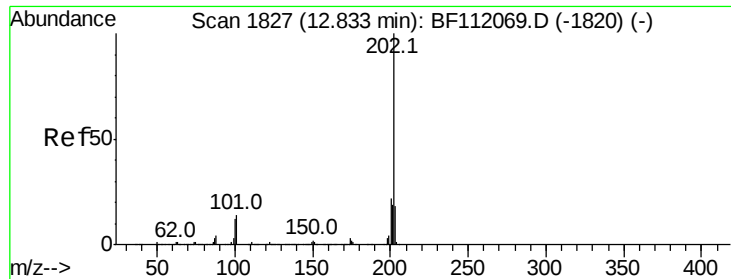
Delta R.T. -0.01 min

Lab File: BF112161.D

Acq: 21 Jan 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	511823		
120	11.4	9.0	13.6	
236	26.0	20.7	31.1	





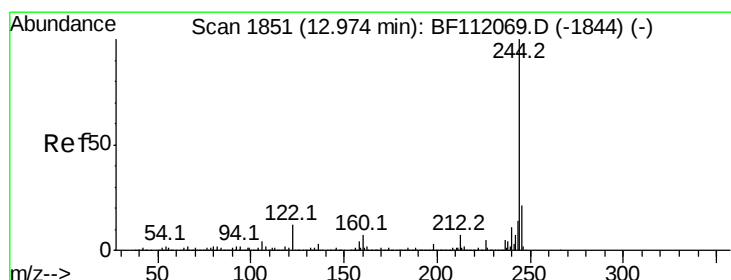
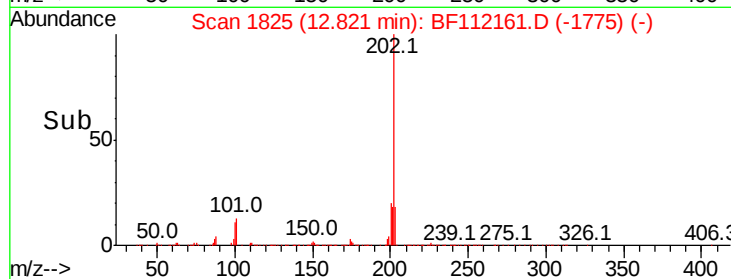
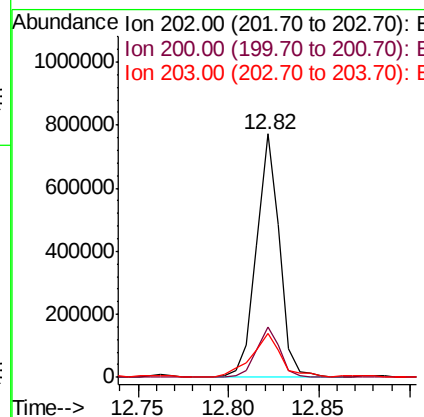
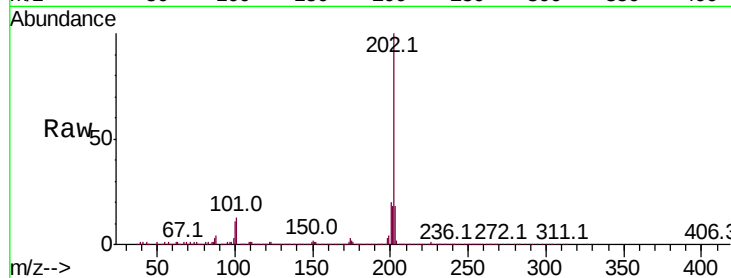
#78
Pvrene
Concen: 20.049 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.7	26.5
203	18.3	14.6	22.0

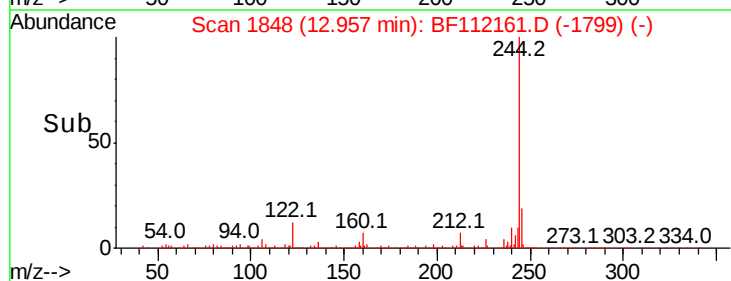
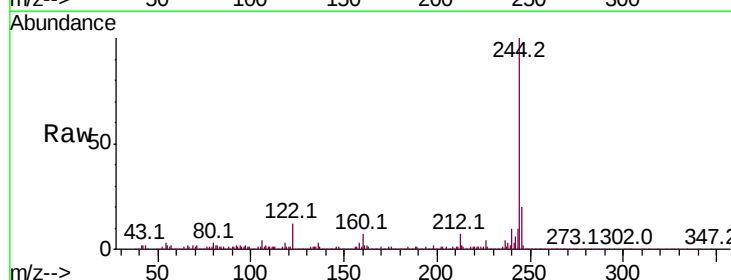
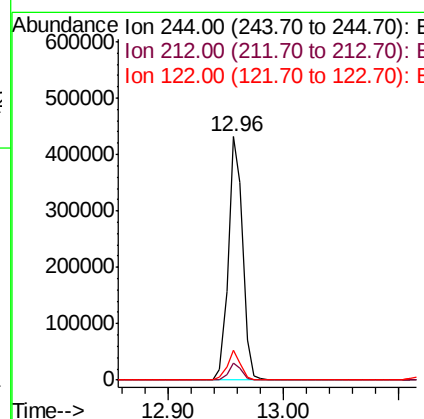
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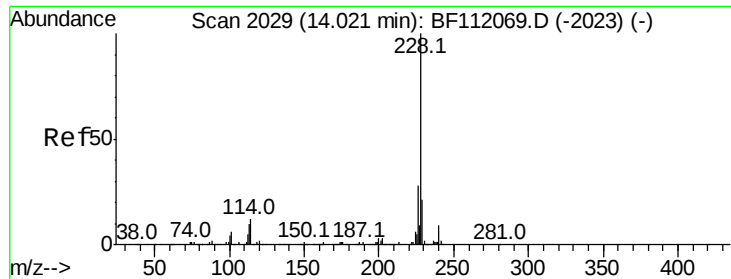
Sohil
1/22/2019 9:59:07 AM



#79
Terphenyl-d14
Concen: 15.362 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	12.0	9.8	14.6





#81

Benzo(a)anthracene

Concen: 12.009 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF112161.D

Acq: 21 Jan 2019 16:25

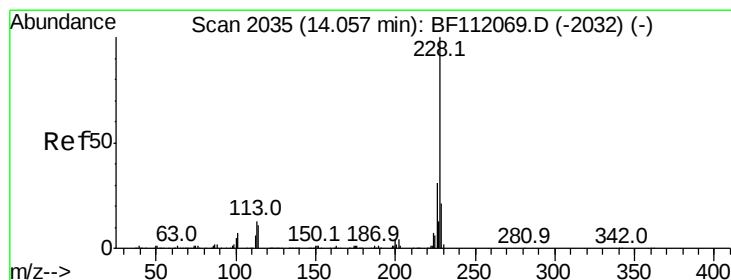
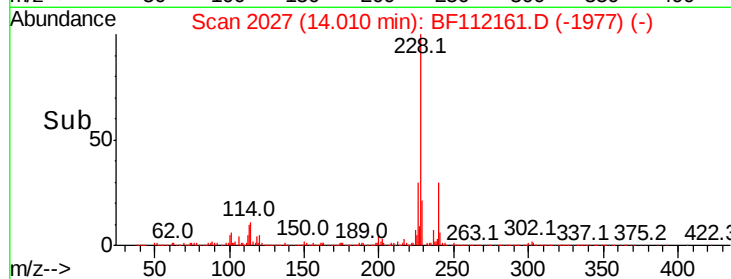
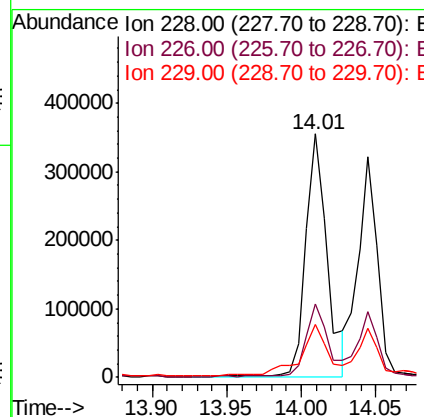
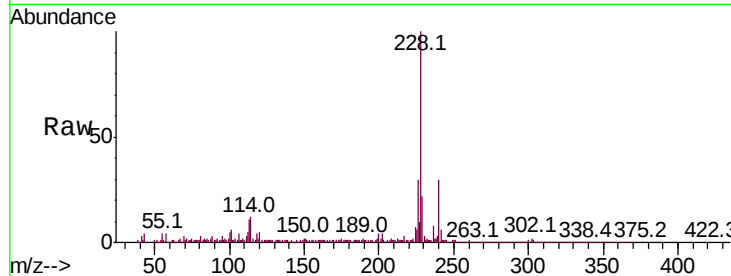
Instrument :
BNA_F

ClientSampleId :
PL-01-011819-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	34.0
229	21.6	16.5	24.7

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#83

Chrysene

Concen: 10.652 ng

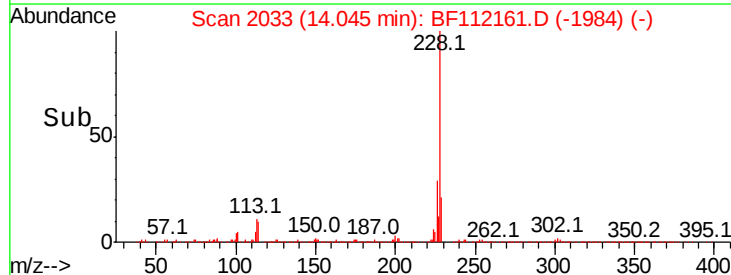
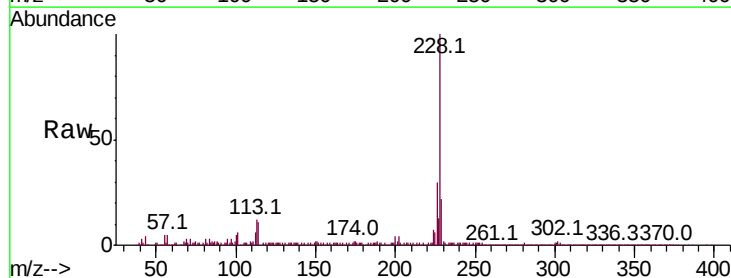
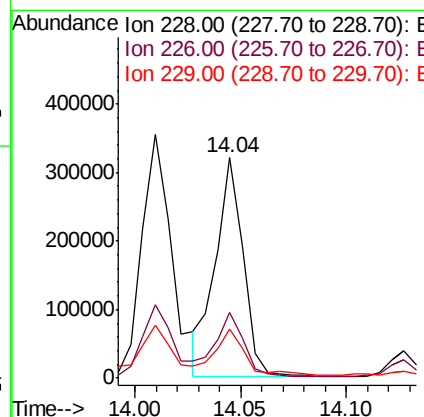
RT: 14.04 min Scan# 2033

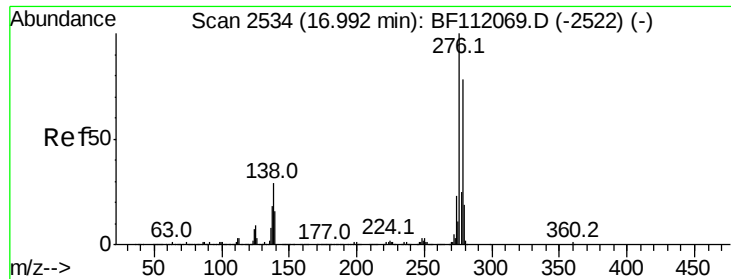
Delta R.T. -0.01 min

Lab File: BF112161.D

Acq: 21 Jan 2019 16:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.4	16.6	24.8





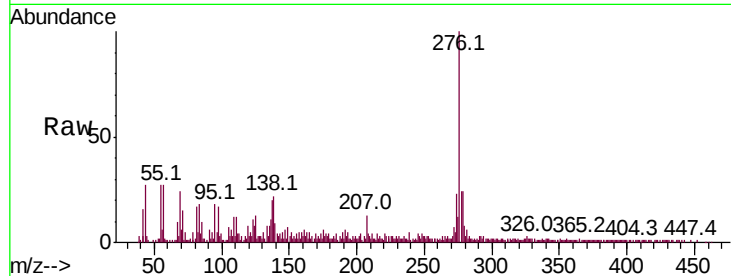
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.530 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	22.6	34.0#
277	24.9	20.3	30.5

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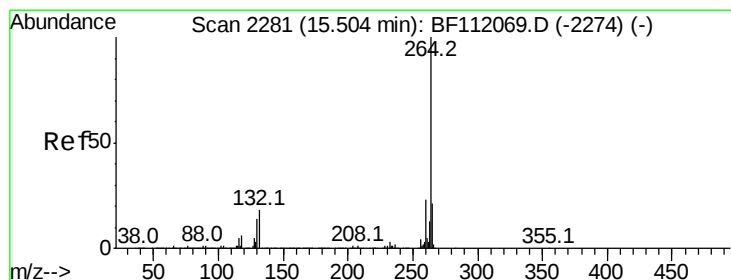
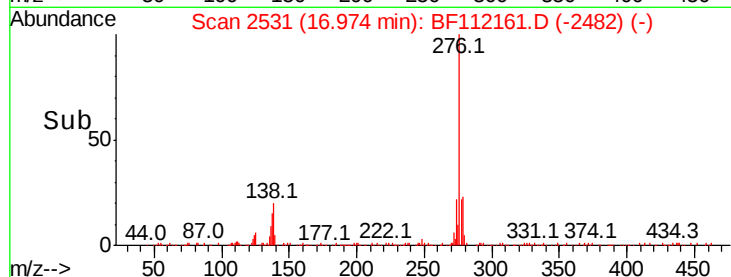
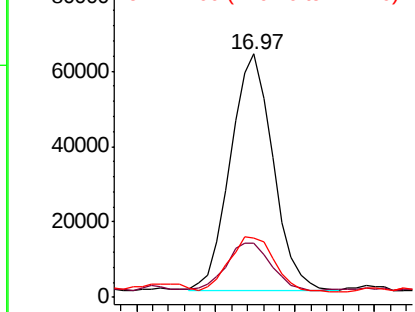


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

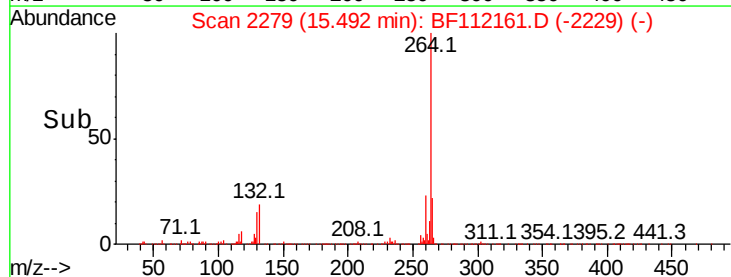
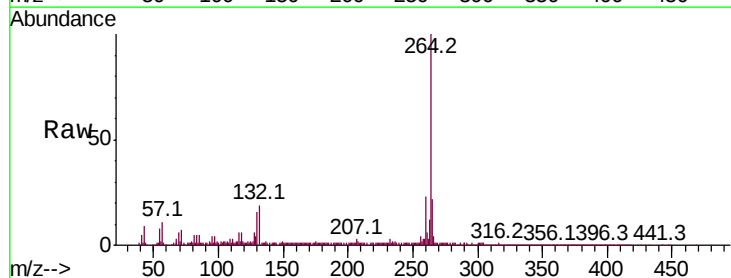
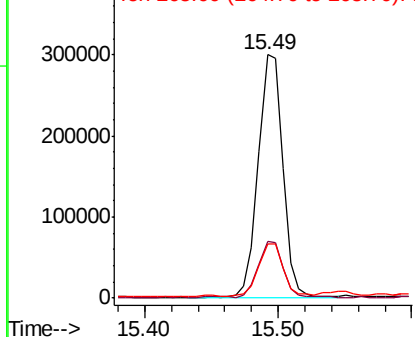
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.2
265	22.3	17.0	25.4

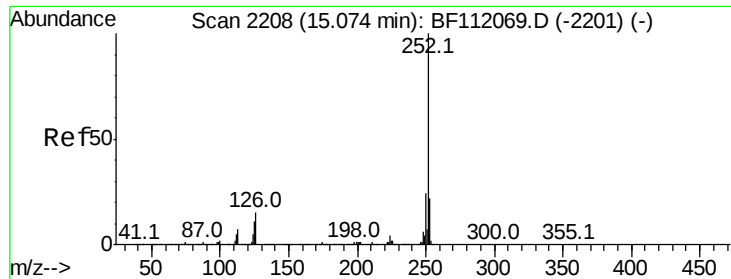
Abundance

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





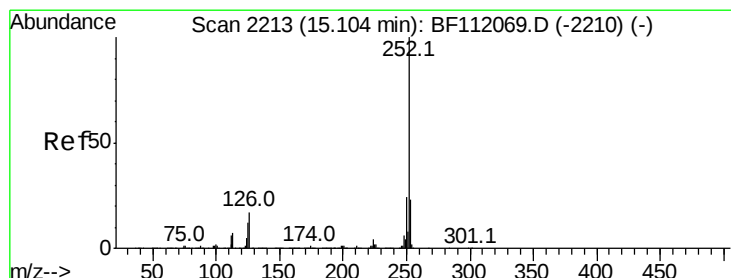
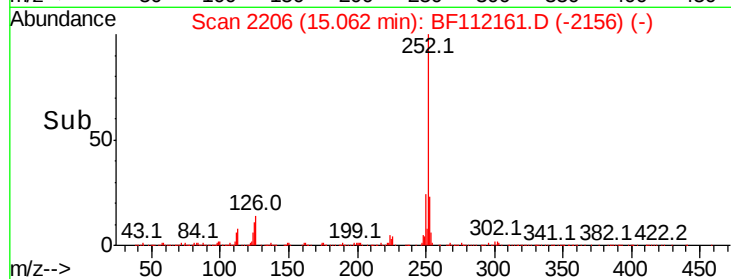
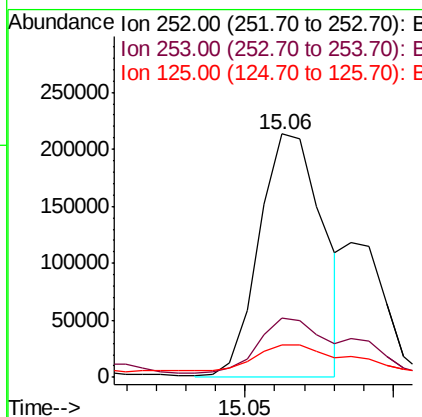
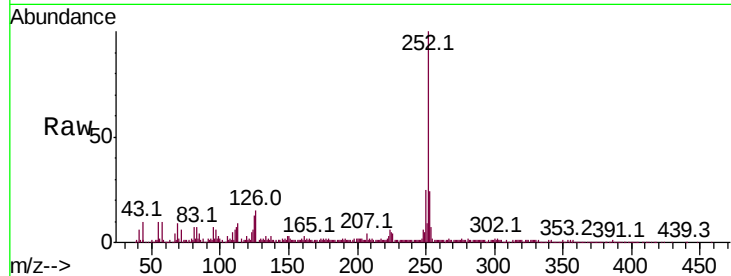
#88
Benzo(b)fluoranthene
Concen: 14.893 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	13.5	8.7	13.1

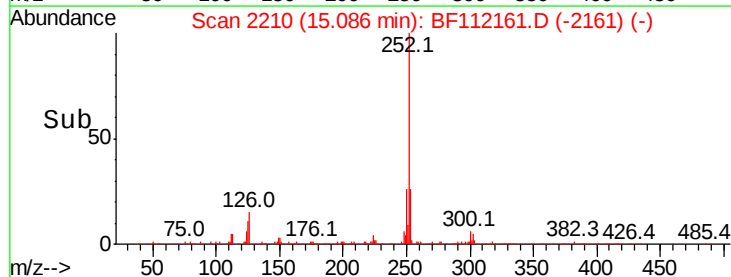
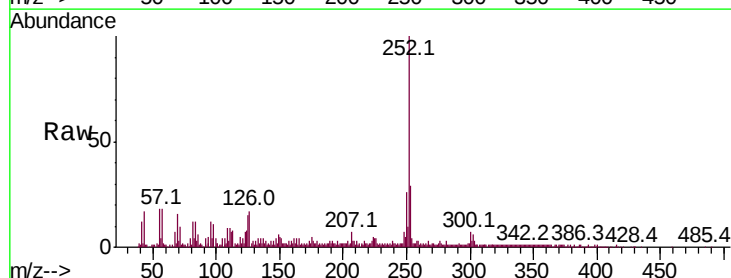
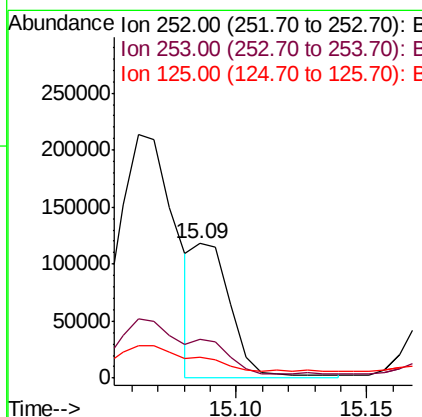
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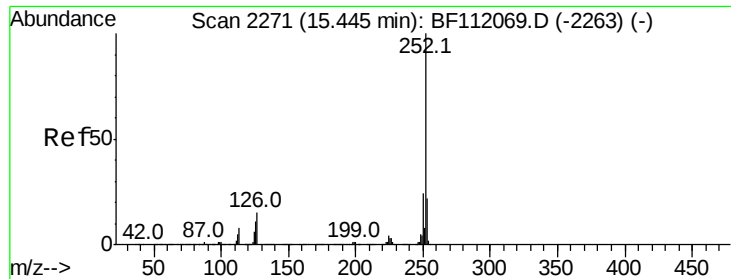
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#89
Benzo(k)fluoranthene
Concen: 5.694 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	18.0	27.0
125	15.4	9.1	13.7





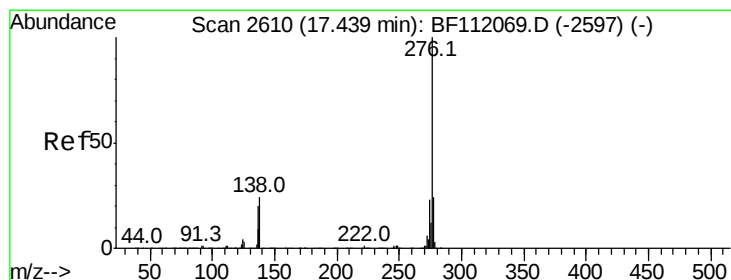
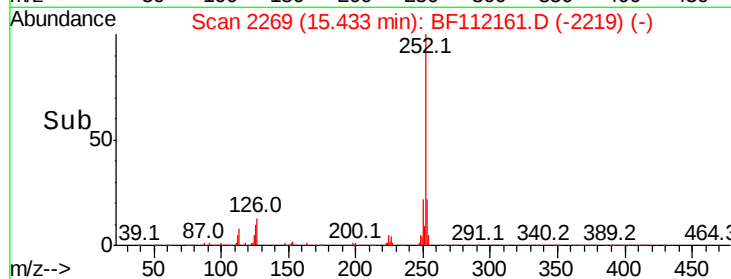
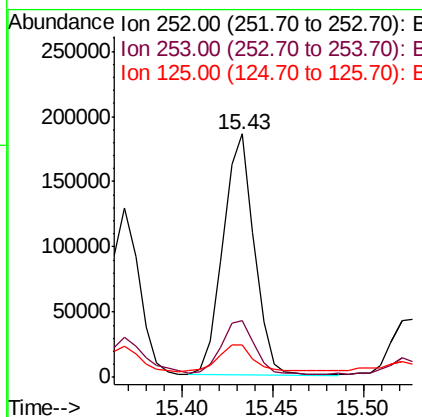
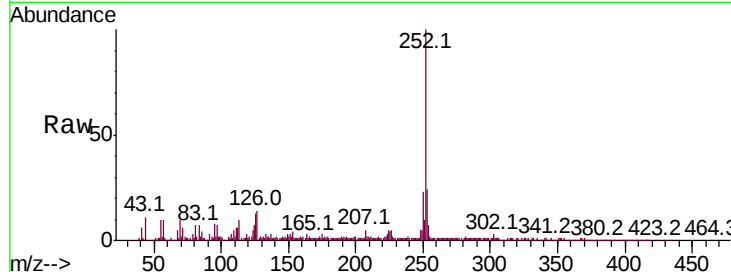
#90
Benzo(a)pyrene
Concen: 11.239 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	13.2	9.0	13.4

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.524 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.4	29.0
138	22.5	19.1	28.7

