

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
 Data File : BF112192.D
 Acq On : 22 Jan 2019 14:41
 Operator : JU/SJ
 Sample : K1013-07 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 1/23/2019 10:38:12 AM

Quant Time: Jan 22 15:36:00 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	6.85	152	251469	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	951103	20.00	ng	-0.01
39) Acenaphthene-d10	9.89	164	401189	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	644664	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	565595	20.00	ng	-0.01
87) Perylene-d12	15.49	264	418537	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	264687	19.10	ng	-0.01
7) Phenol-d6	6.49	99	335237	19.34	ng	-0.02
23) Nitrobenzene-d5	7.41	82	196262	14.26	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	74026	17.10	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	416463	15.22	ng	-0.02
79) Terphenyl-d14	12.96	244	340565	12.81	ng	-0.02
Target Compounds						
58) Fluorene	10.44	166	73992	2.793	ng	98
71) Phenanthrene	11.40	178	462922	14.269	ng	97
72) Anthracene	11.45	178	156328	4.757	ng	97
75) Fluoranthene	12.59	202	717614	20.949	ng	97
78) Pyrene	12.82	202	644289	17.266	ng	99
81) Benzo(a)anthracene	14.01	228	343777	10.601	ng	98
83) Chrysene	14.04	228	309959	10.101	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	106167	3.750	ng	97
88) Benzo(b)fluoranthene	15.06	252	330510m	13.912	ng	
89) Benzo(k)fluoranthene	15.09	252	97969m	4.261	ng	
90) Benzo(a)pyrene	15.43	252	215478	9.890	ng	# 95
92) Benzo(a,h,i)perylene	17.42	276	94792	4.972	ng	95

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

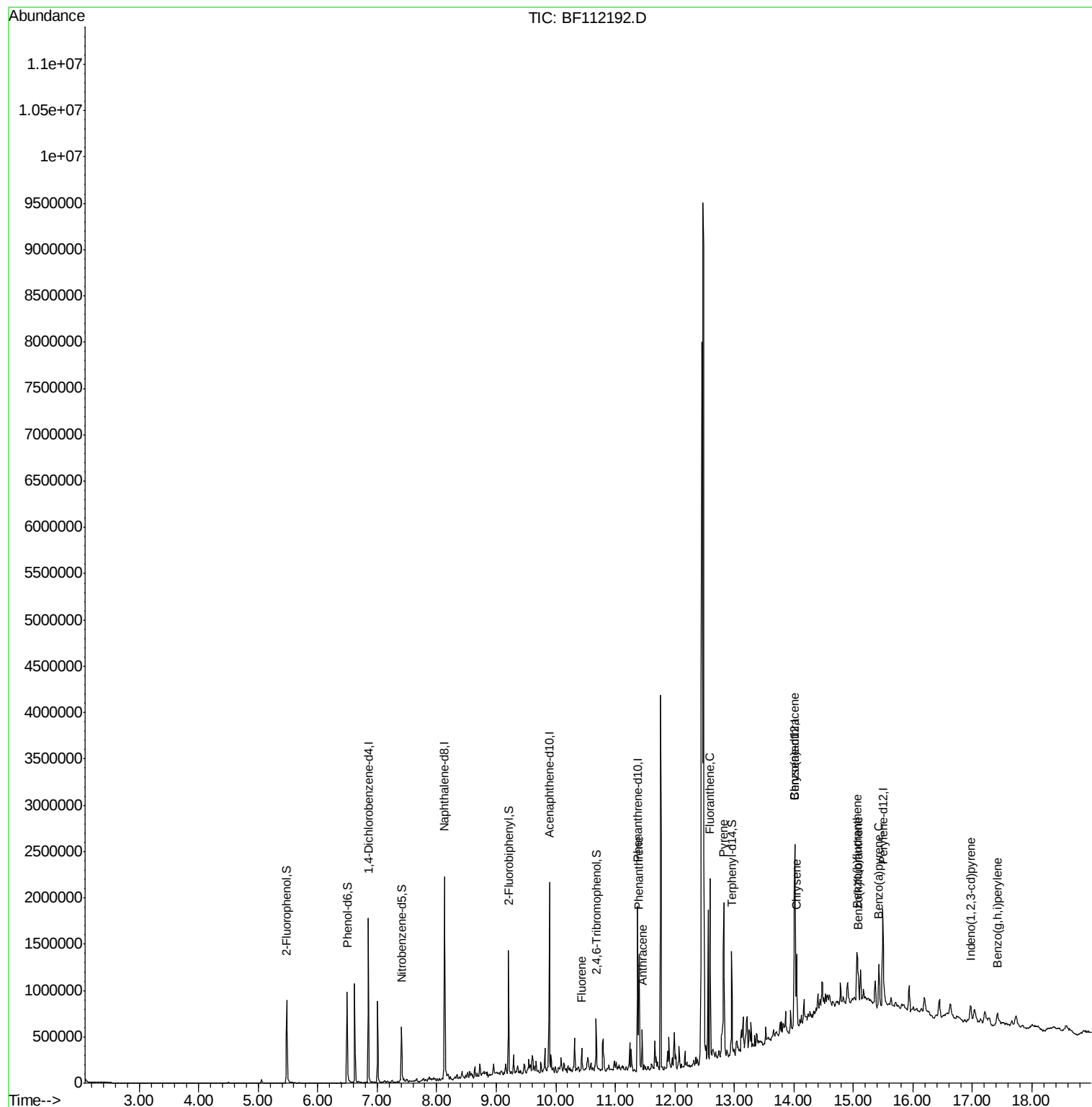
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012219\
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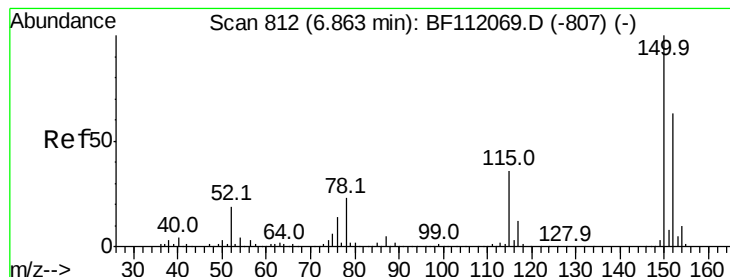
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#1

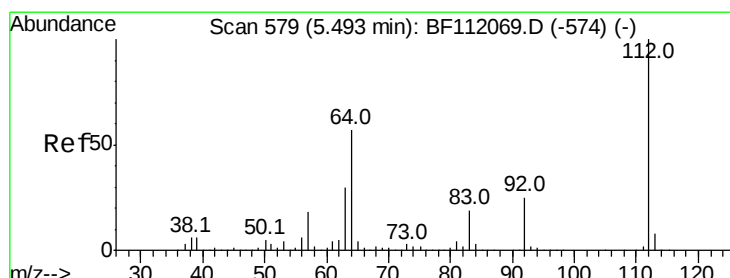
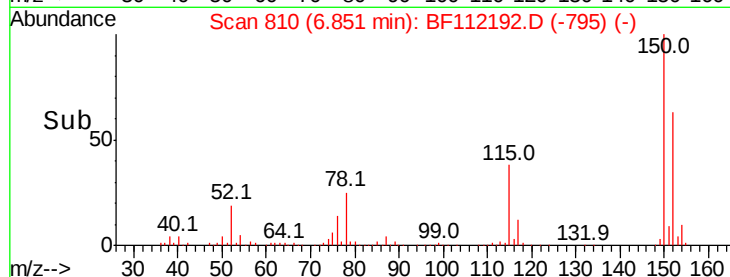
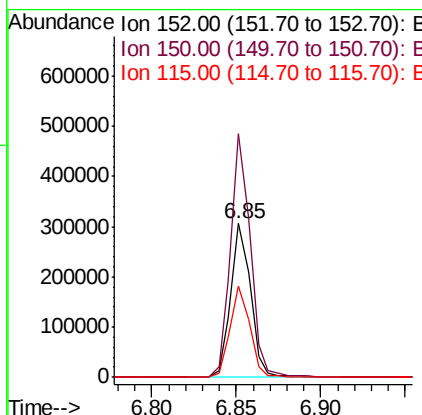
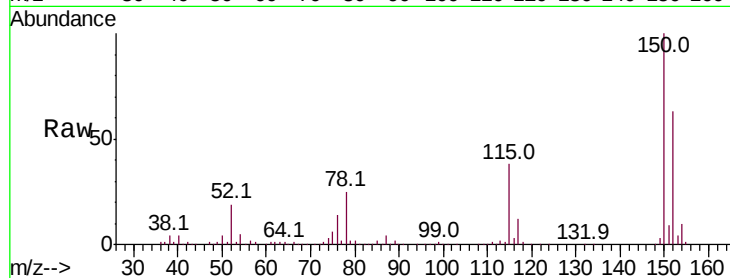
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112192.D
Acq: 22 Jan 2019 14:41

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	127.4	191.0
115	59.7	45.5	68.3

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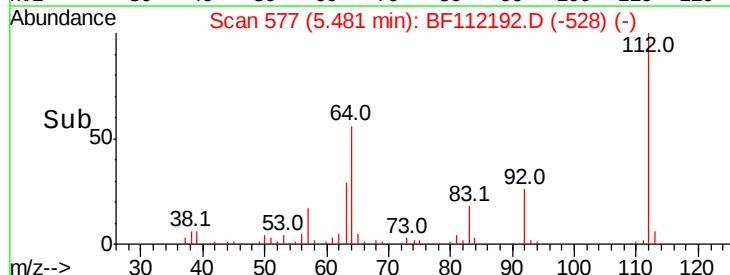
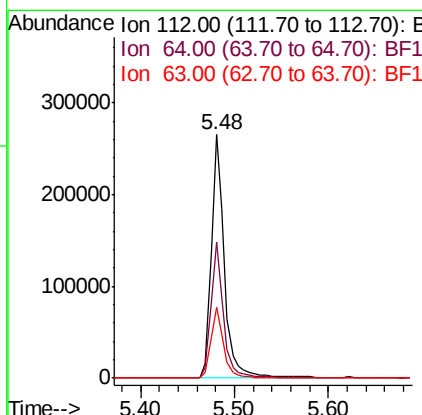
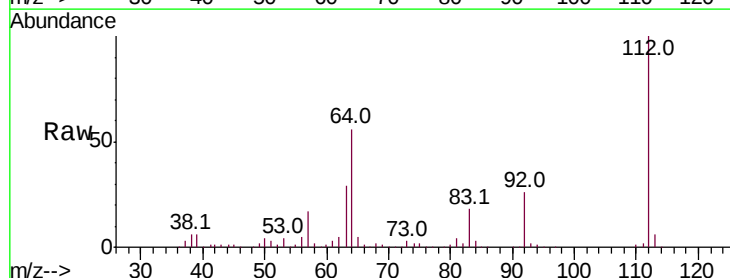
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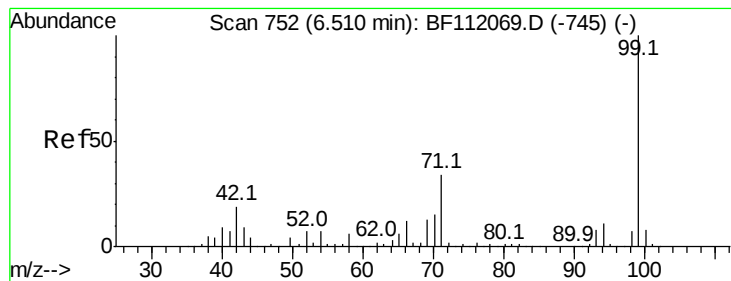


#5

2-Fluorophenol
Concen: 19.104 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF112192.D
Acq: 22 Jan 2019 14:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	45.7	68.5
63	29.1	23.6	35.4





#7

Phenol-d6

Concen: 19.339 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF112192.D

Acq: 22 Jan 2019 14:41

Instrument :

BNA_F

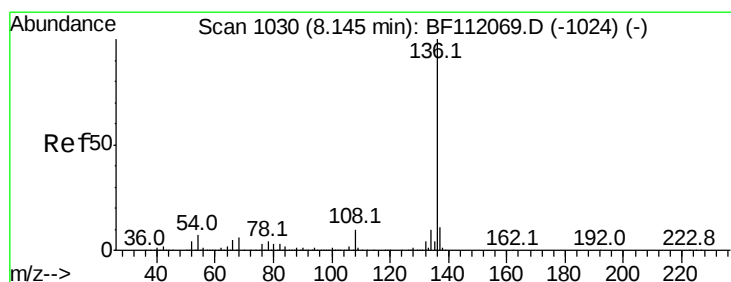
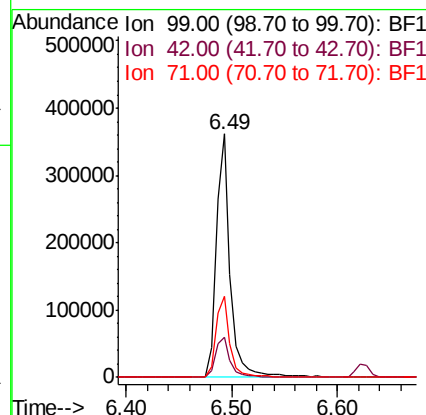
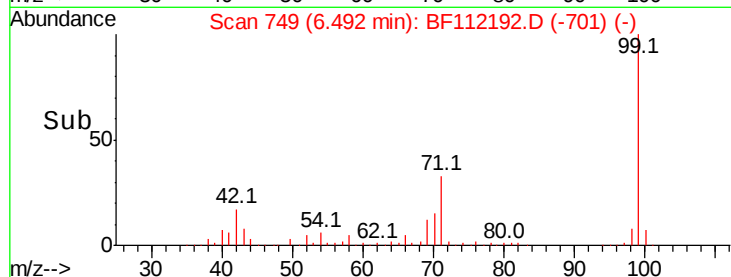
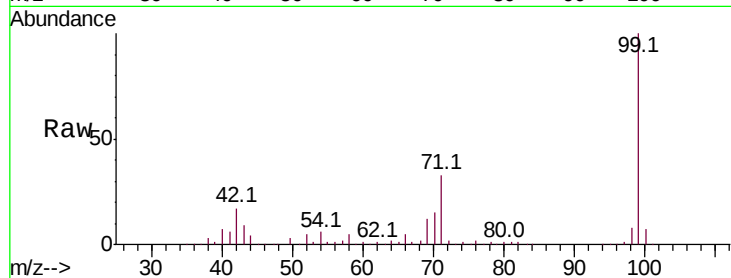
ClientSampleId :

PL-01-011819-D

Tot Ion	Ratio	Lower	Upper
99	100		
42	16.7	15.1	22.7
71	33.2	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

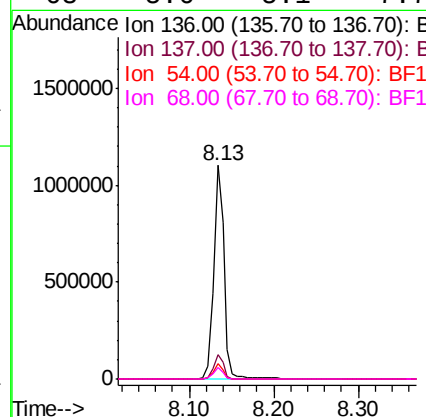
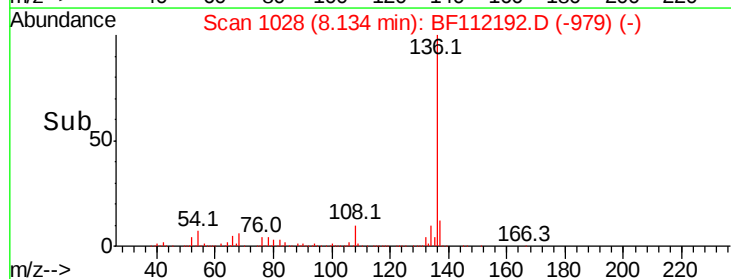
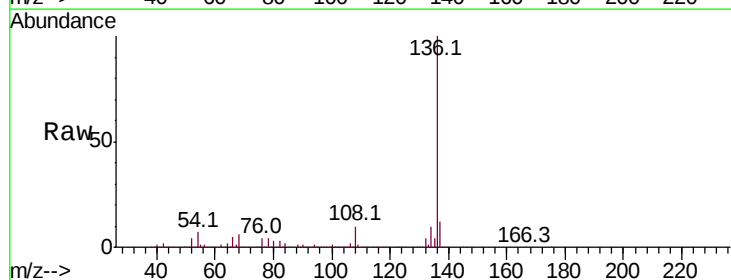
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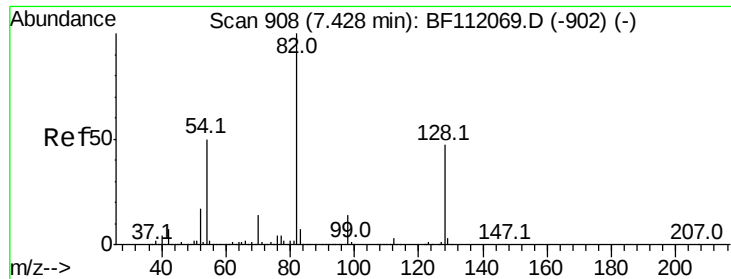
Delta R.T. -0.01 min

Lab File: BF112192.D

Acq: 22 Jan 2019 14:41

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	7.1	5.9	8.9
68	5.6	5.1	7.7





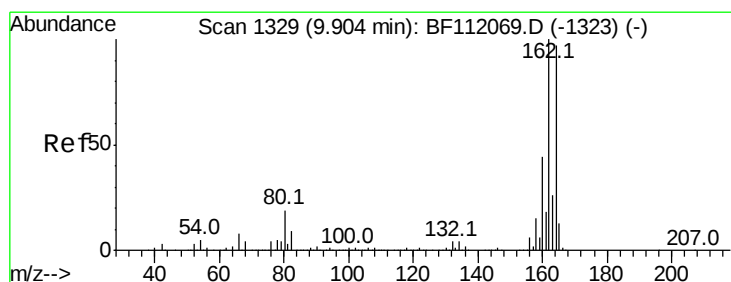
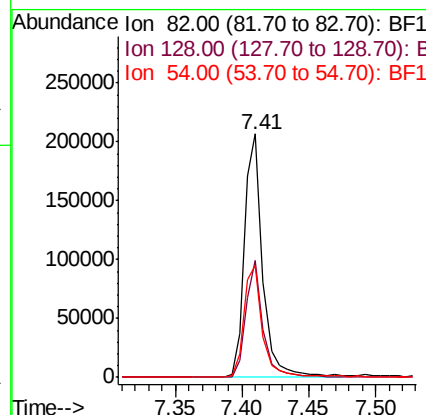
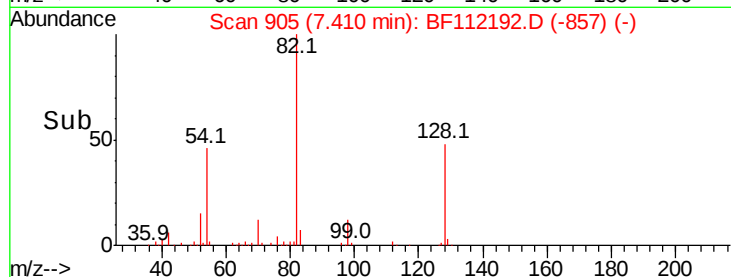
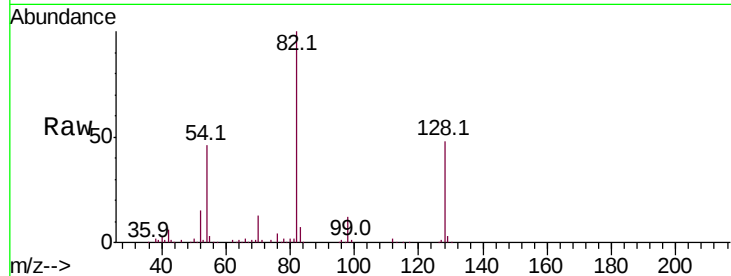
#23
Nitrobenzene-d5
Concen: 14.257 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112192.D
Acq: 22 Jan 2019 14:41

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.8	56.8
54	45.7	39.7	59.5

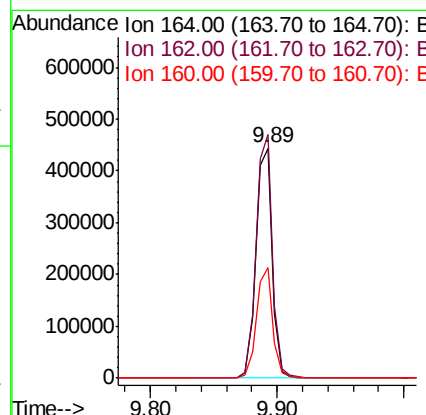
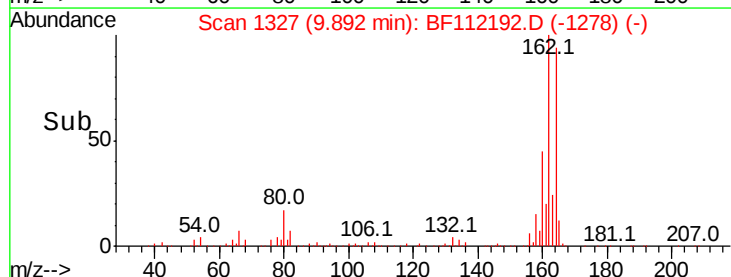
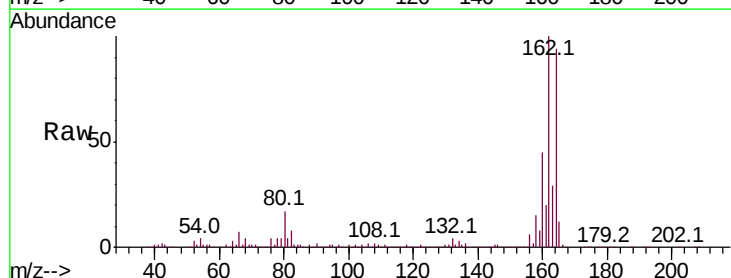
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112192.D
Acq: 22 Jan 2019 14:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	82.2	123.4
160	48.0	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 17.104 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF112192.D

Acq: 22 Jan 2019 14:41

Instrument :

BNA_F

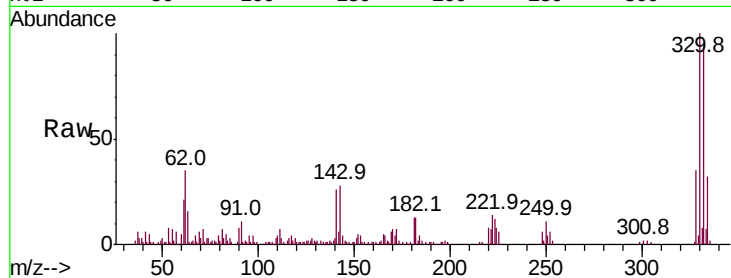
ClientSampleId :

PL-01-011819-D

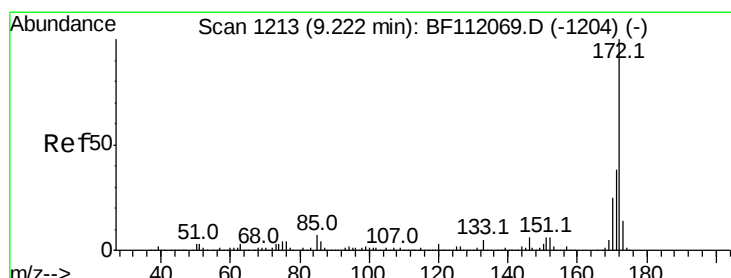
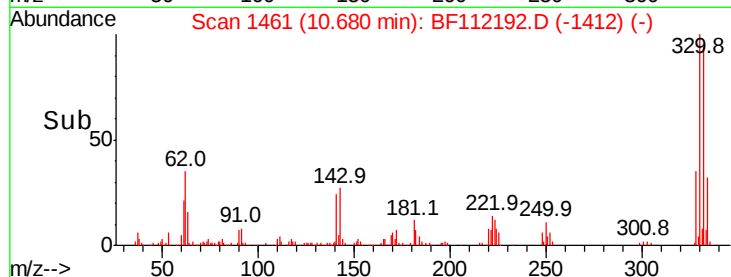
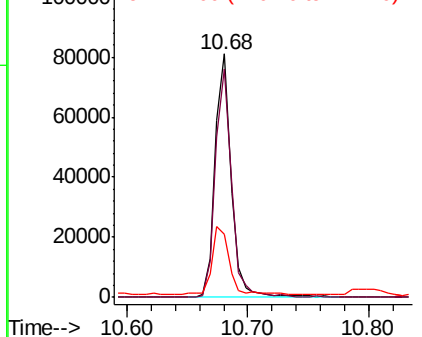
Tot Ion:	330	Resp:	74026
Ion Ratio	Lower	Upper	
330	100		
332	94.0	76.6	114.8
141	30.9	24.3	36.5

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 15.219 ng

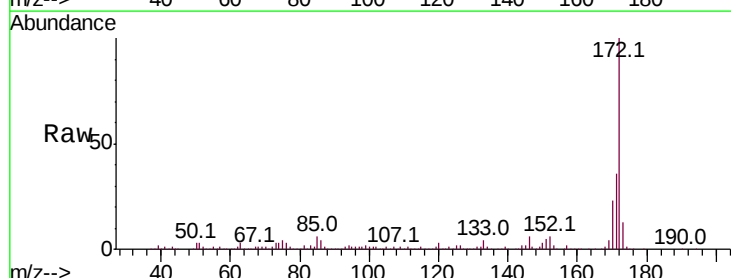
RT: 9.20 min Scan# 1210

Delta R.T. -0.02 min

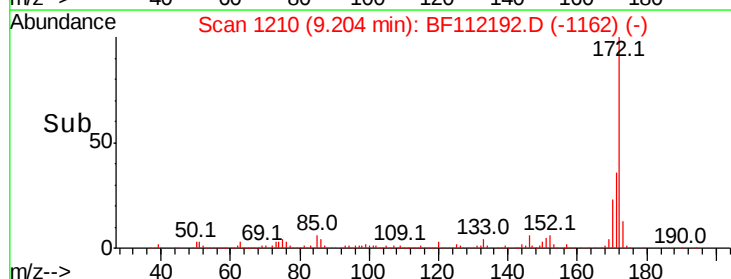
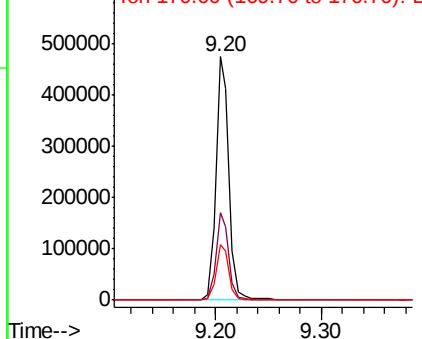
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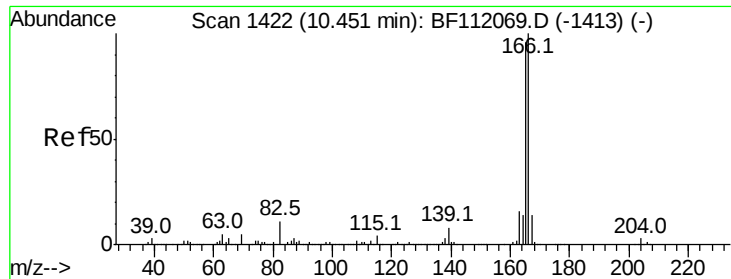
Acq: 22 Jan 2019 14:41

Tgt Ion:	172	Resp:	416463
Ion Ratio	Lower	Upper	
172	100		
171	35.7	30.5	45.7
170	23.0	20.2	30.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





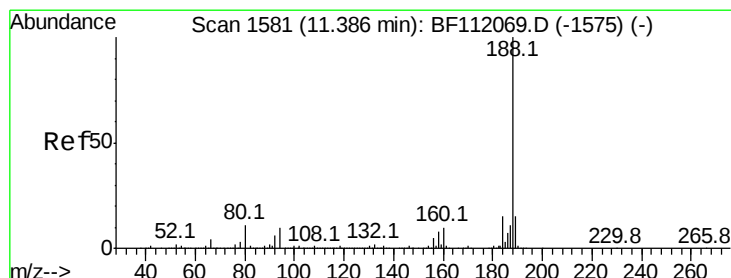
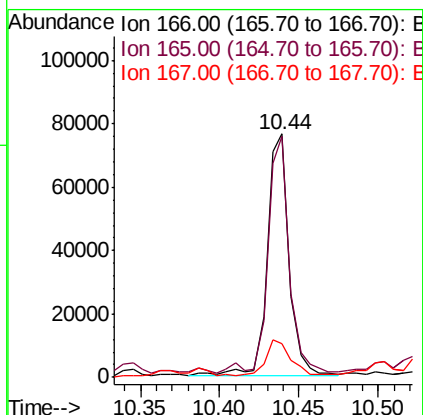
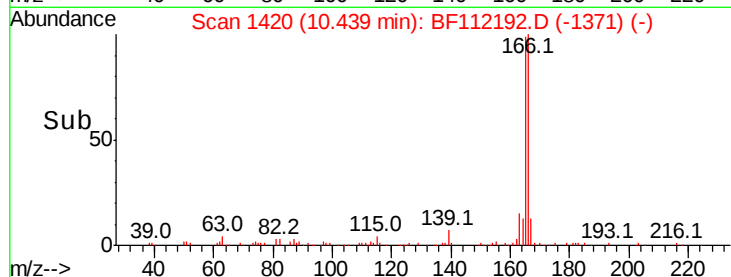
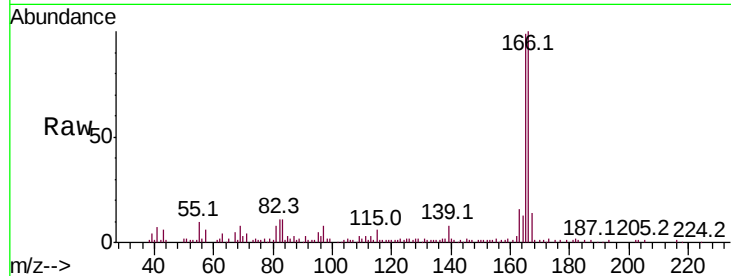
#58
 Fluorene
 Concen: 2.793 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF112192.D
 Acq: 22 Jan 2019 14:41

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.1	115.7
167	13.9	11.3	16.9

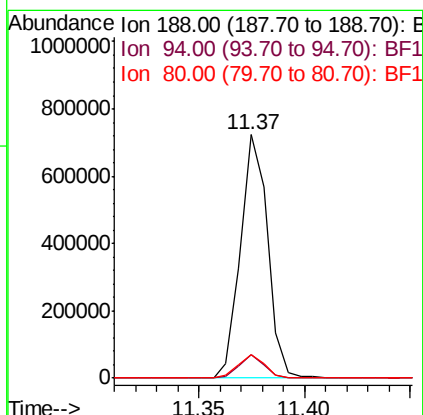
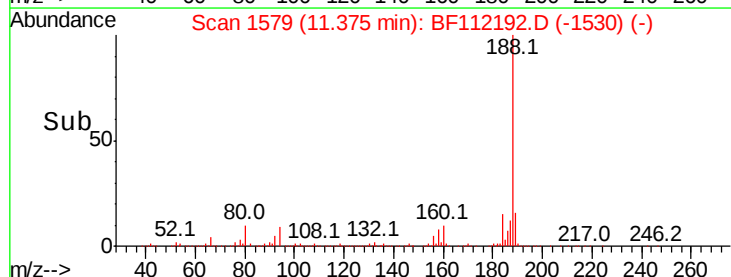
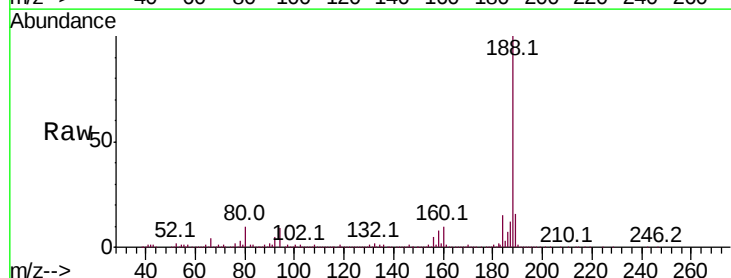
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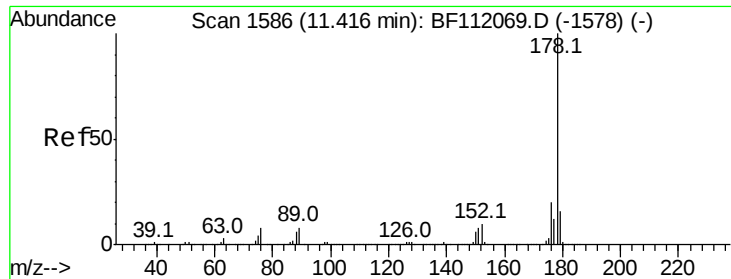
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF112192.D
 Acq: 22 Jan 2019 14:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.2	12.2
80	9.8	8.9	13.3





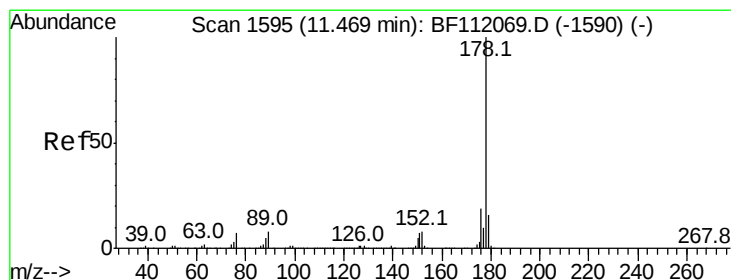
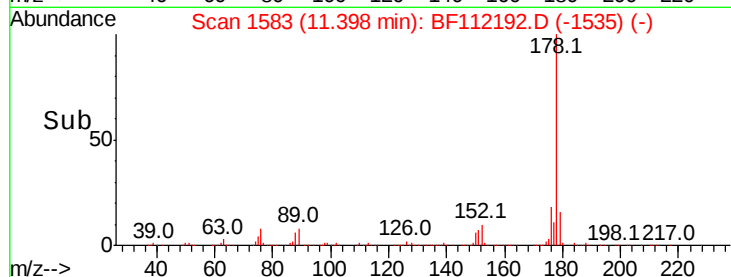
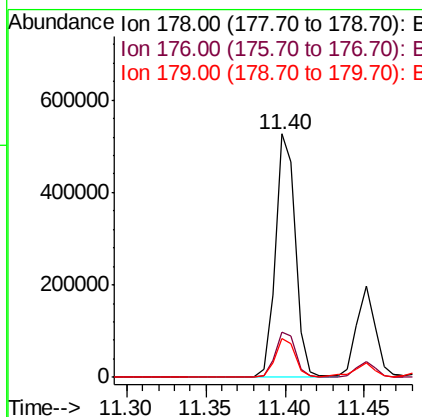
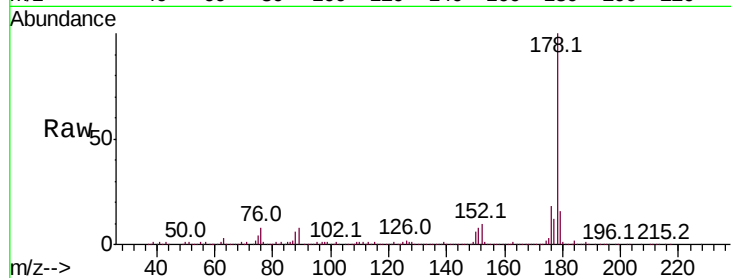
#71
Phenanthrene
Concen: 14.269 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.02 min
Lab File: BF112192.D
Acq: 22 Jan 2019 14:41

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.3	24.5
179	15.8	13.0	19.4

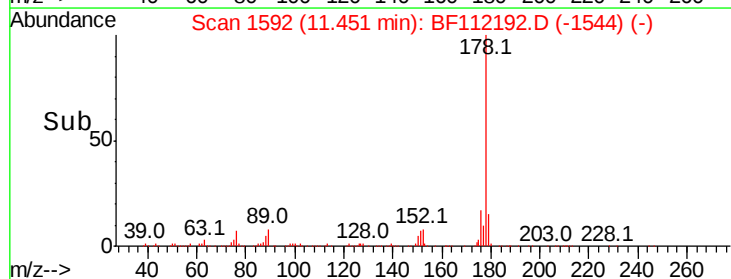
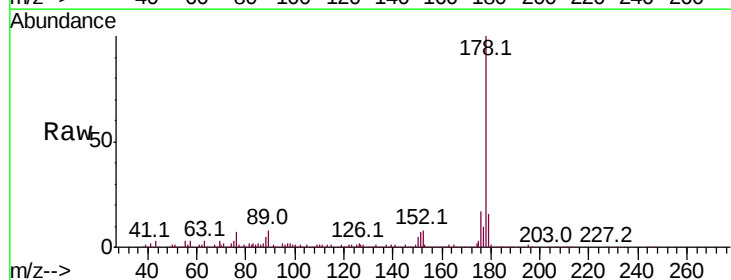
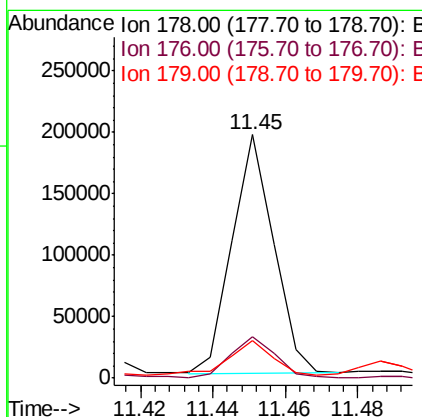
Manual Integrations
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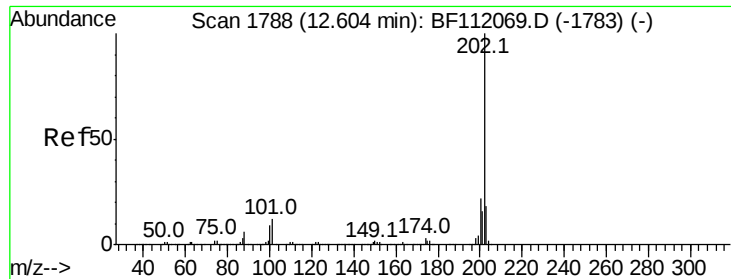
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#72
Anthracene
Concen: 4.757 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.02 min
Lab File: BF112192.D
Acq: 22 Jan 2019 14:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.5	23.3
179	15.5	12.8	19.2





#75

Fluoranthene

Concen: 20.949 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112192.D

Acq: 22 Jan 2019 14:41

Instrument :

BNA_F

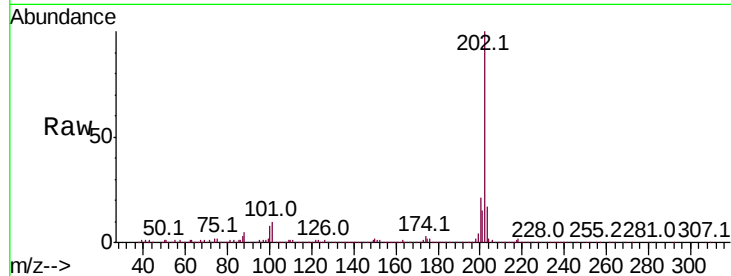
ClientSampleId :

PL-01-011819-D

Tot Ion:	202	Resp:	717614
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	31.8
203	17.2	0.0	38.4

Manual Integrations
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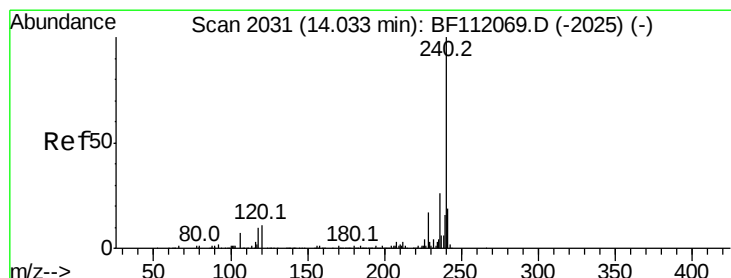
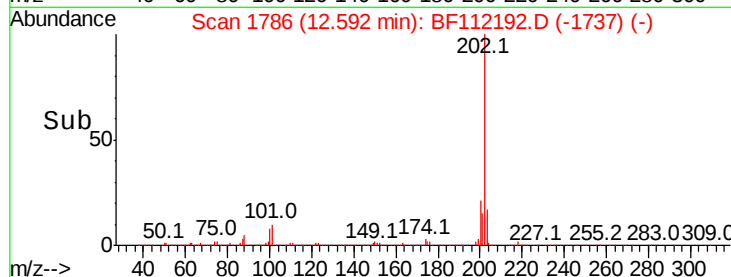
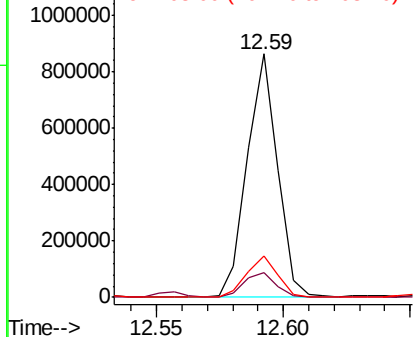


Abundance

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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112192.D

Acq: 22 Jan 2019 14:41

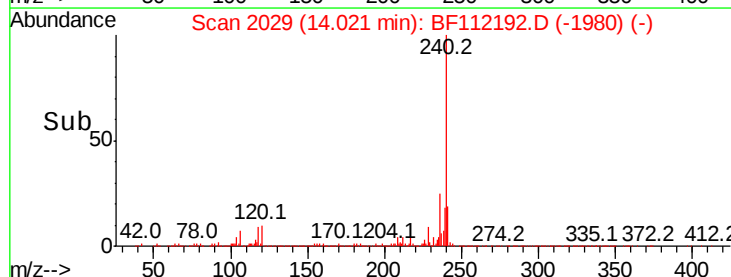
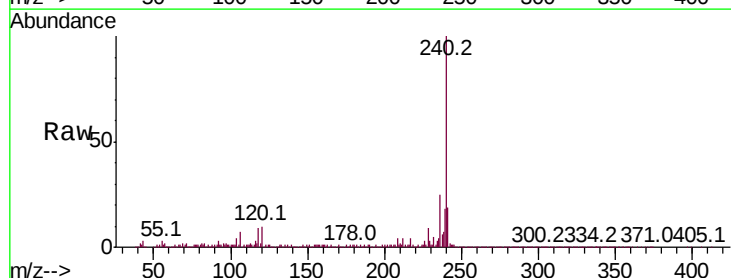
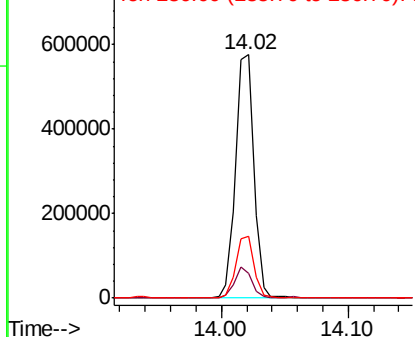
Tgt Ion:	240	Resp:	565595
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.0	13.6
236	25.3	20.7	31.1

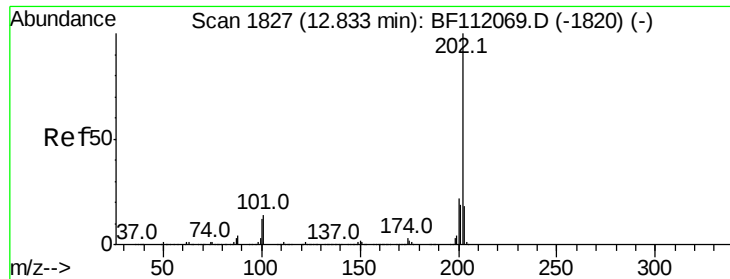
Abundance

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





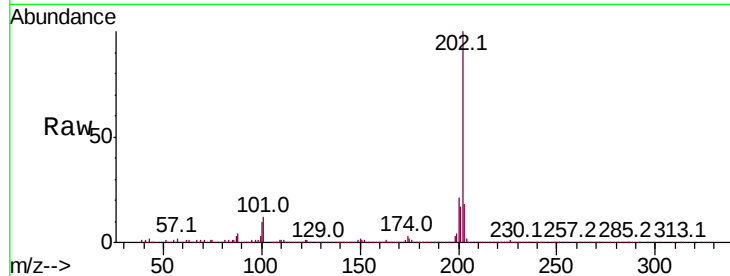
#78
Pvrene
Concen: 17.266 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112192.D
Acq: 22 Jan 2019 14:41

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.7	26.5
203	18.1	14.6	22.0

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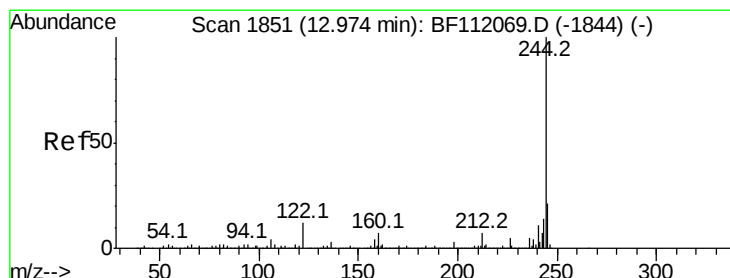
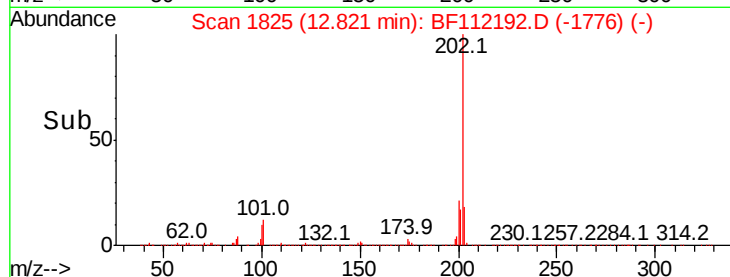
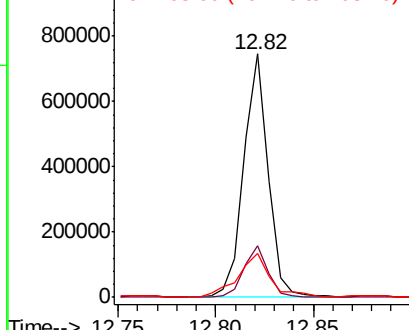


Abundance

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: 12.810 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.02 min
Lab File: BF112192.D
Acq: 22 Jan 2019 14:41

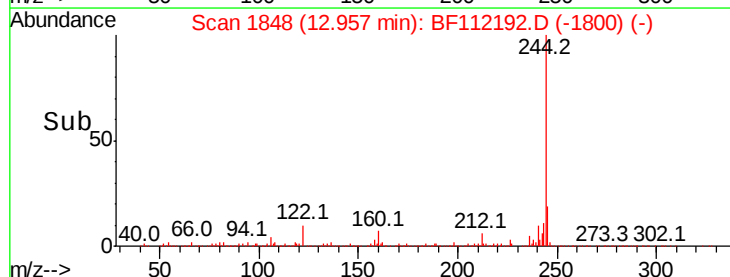
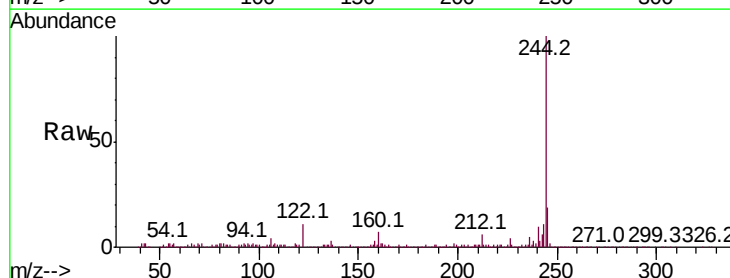
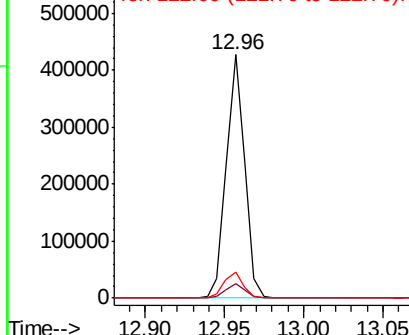
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.0	5.9	8.9
122	10.5	9.8	14.6

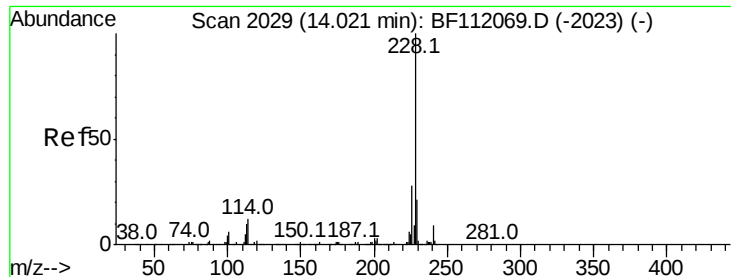
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 10.601 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF112192.D

Acq: 22 Jan 2019 14:41

Instrument :

BNA_F

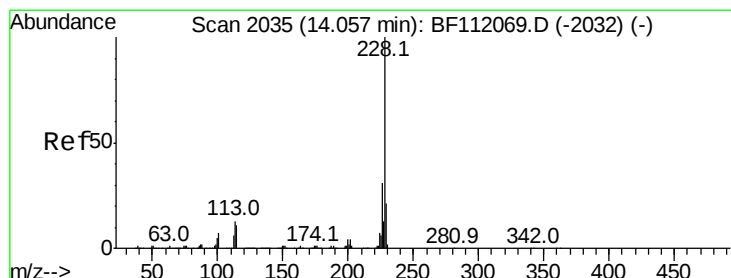
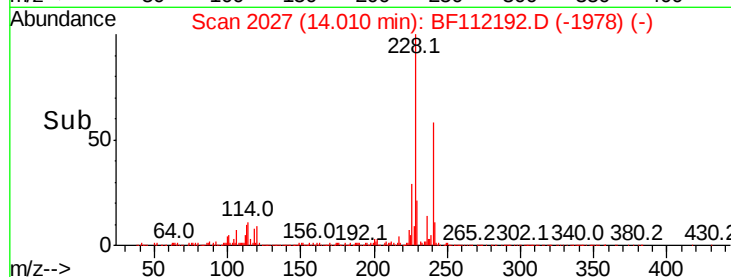
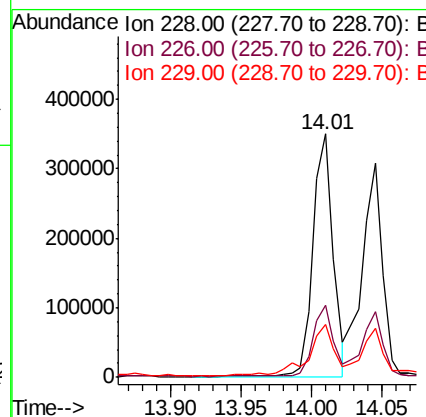
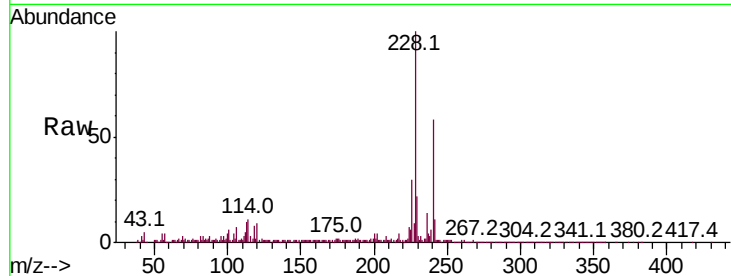
ClientSampleId :

PL-01-011819-D

Tot Ion:	228	Resp:	343777
Ion Ratio	Lower	Upper	
228	100		
226	29.6	22.6	34.0
229	21.5	16.5	24.7

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#83

Chrysene

Concen: 10.101 ng

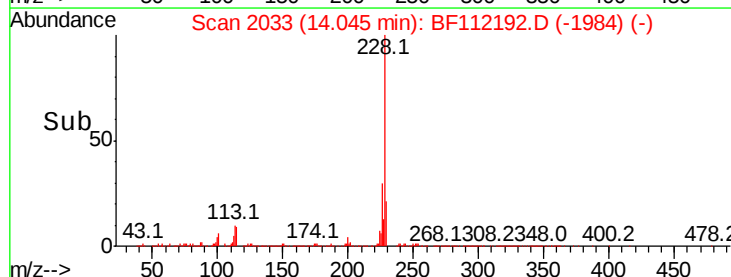
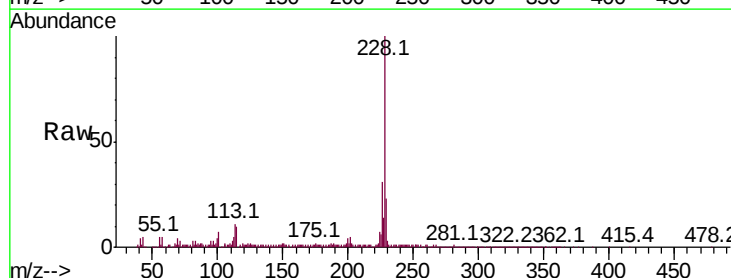
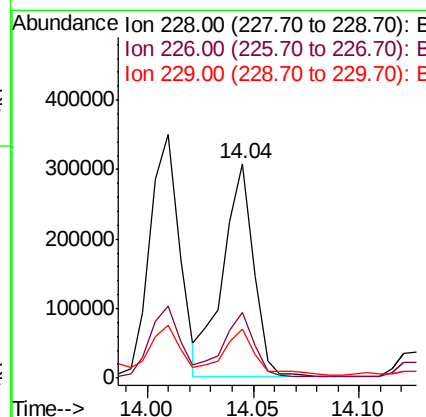
RT: 14.04 min Scan# 2033

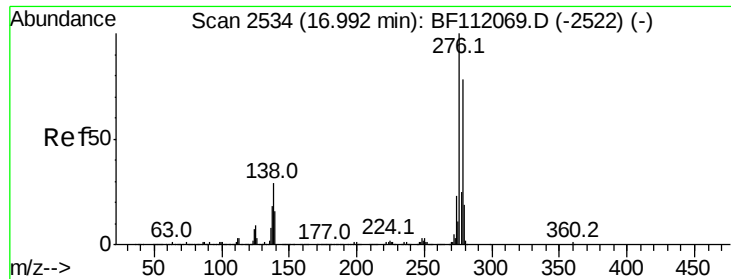
Delta R.T. -0.01 min

Lab File: BF112192.D

Acq: 22 Jan 2019 14:41

Tgt Ion:	228	Resp:	309959
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	23.0	16.6	24.8





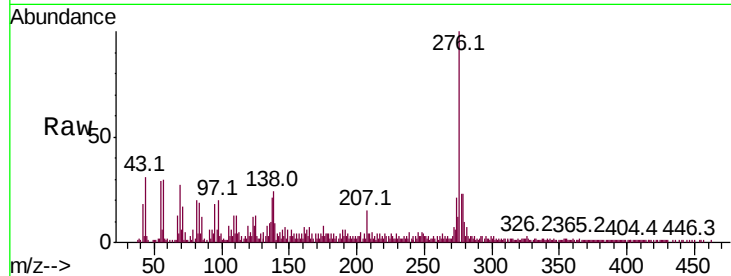
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.750 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF112192.D
Acq: 22 Jan 2019 14:41

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.3	22.6	34.0
277	25.8	20.3	30.5

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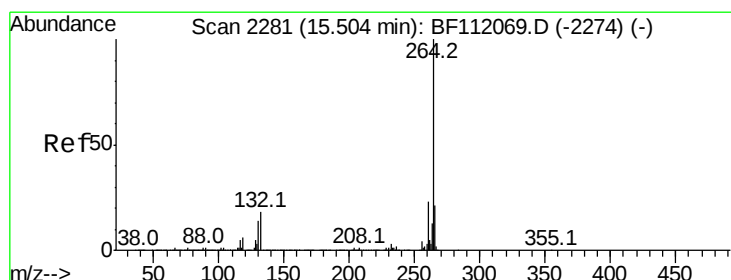
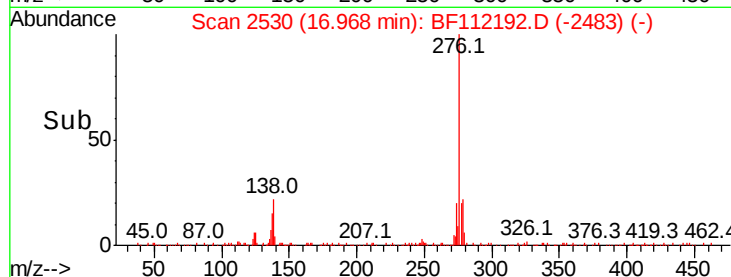
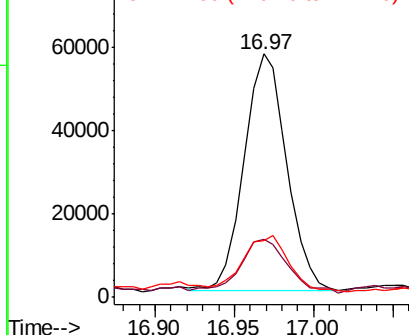


Abundance

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: BF112192.D
Acq: 22 Jan 2019 14:41

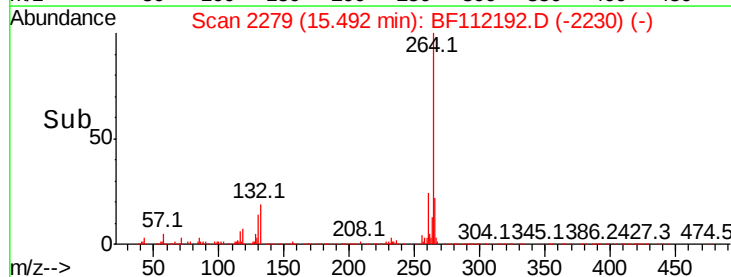
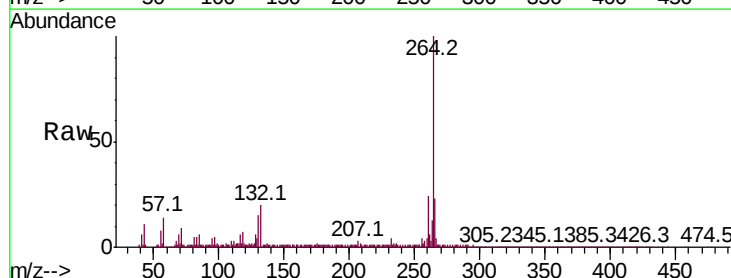
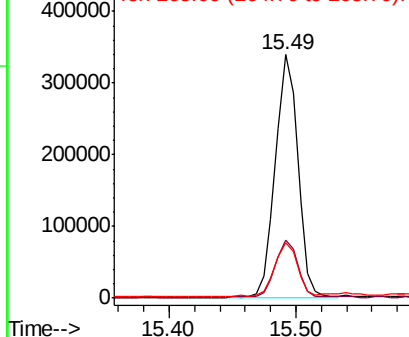
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.2
265	22.9	17.0	25.4

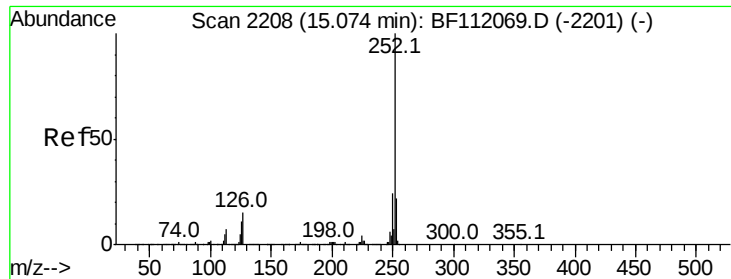
Abundance

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





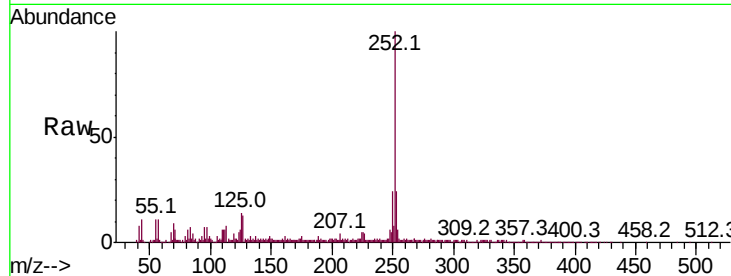
#88
Benzo(b)fluoranthene
Concen: 13.912 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112192.D
Acq: 22 Jan 2019 14:41

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.9	18.0	27.0	
125	13.8	8.7	13.1	

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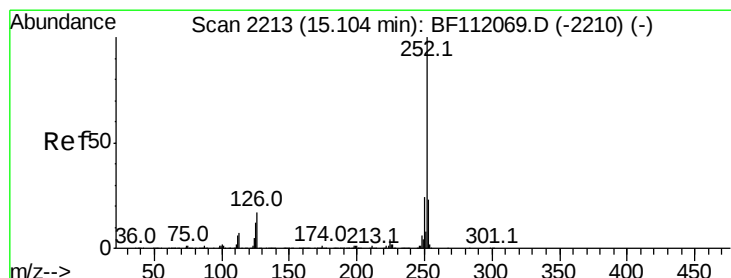
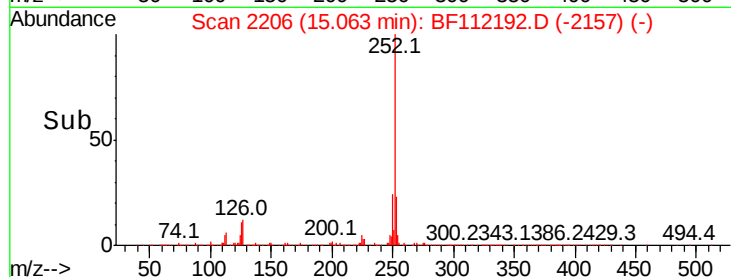
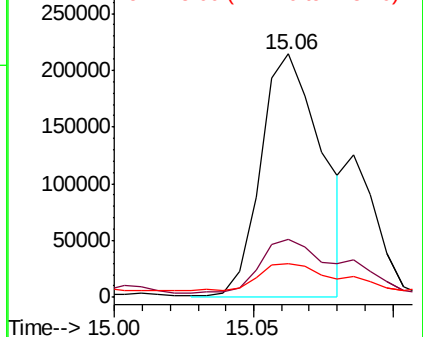


Abundance

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: 4.261 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.02 min
Lab File: BF112192.D
Acq: 22 Jan 2019 14:41

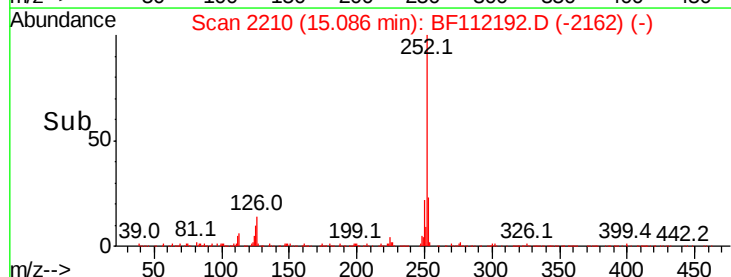
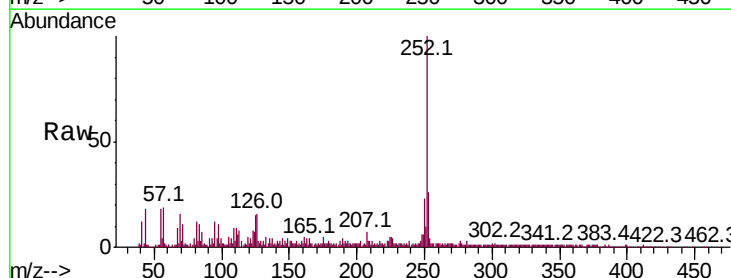
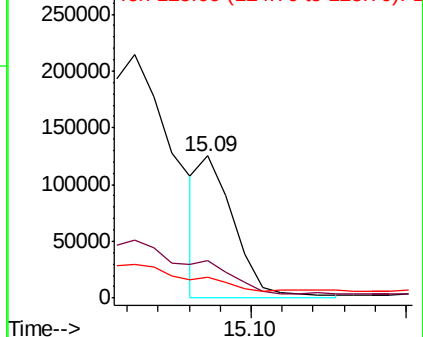
Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	26.4	18.0	27.0	
125	14.6	9.1	13.7	

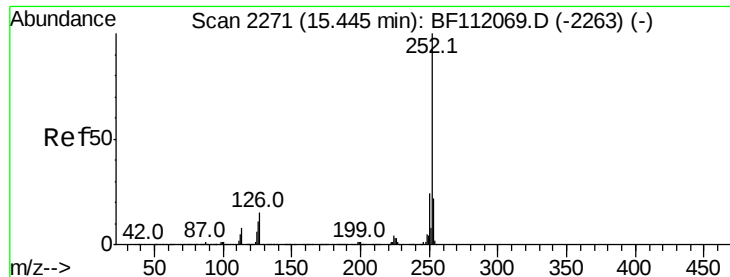
Abundance

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





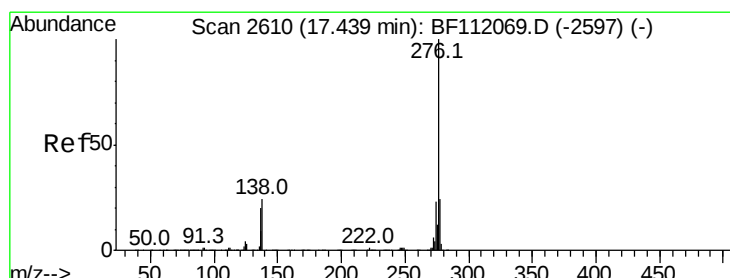
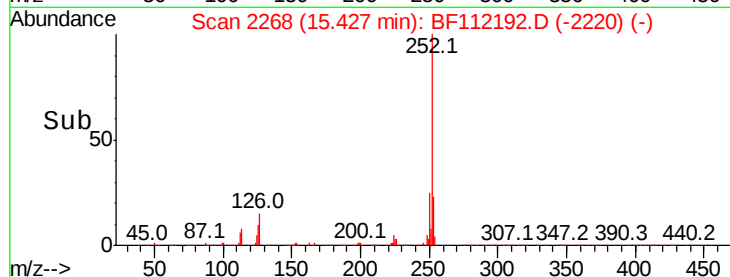
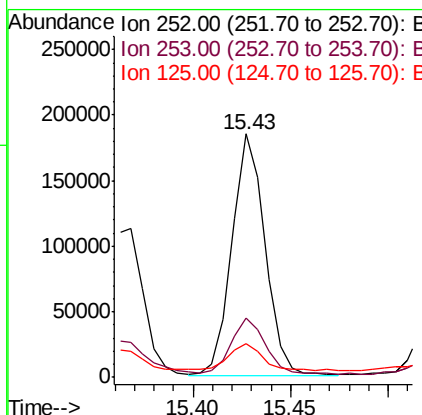
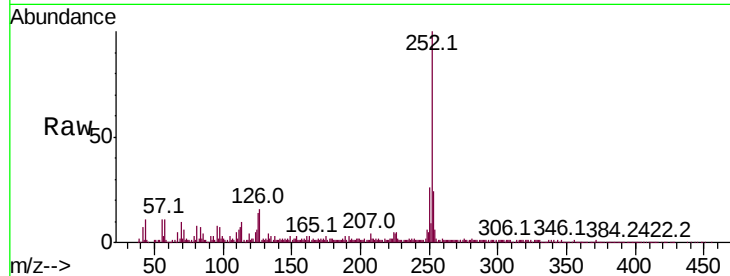
#90
Benzo(a)pyrene
Concen: 9.890 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF112192.D
Acq: 22 Jan 2019 14:41

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	13.6	9.0	13.4

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#92
Benzo(g,h,i)perylene
Concen: 4.972 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.02 min
Lab File: BF112192.D
Acq: 22 Jan 2019 14:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	19.4	29.0
138	24.1	19.1	28.7

