

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110518\
 Data File : BF110475.D
 Acq On : 5 Nov 2018 19:51
 Operator : JU/SJ
 Sample : J5771-05 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-110218-C

Manual Integrations
 APPROVED

Sohil
 11/6/2018 9:01:17 AM

Quant Time: Nov 06 04:31:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	104494	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	416363	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	172958	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	259355	20.00	ng	0.00
76) Chrysene-d12	14.13	240	189290	20.00	ng	0.00
87) Perylene-d12	15.66	264	147628	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	103390	16.11	ng	0.00
7) Phenol-d6	6.57	99	136446	16.62	ng	-0.01
23) Nitrobenzene-d5	7.52	82	81065	11.55	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	23558	13.75	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	158245	14.37	ng	0.00
79) Terphenyl-d14	13.06	244	101589	11.16	ng	-0.01
Target Compounds						
71) Phenanthrene	11.51	178	30891	2.276	ng	99
75) Fluoranthene	12.70	202	107503	7.806	ng	99
78) Pyrene	12.94	202	100840	7.431	ng	97
81) Benzo(a)anthracene	14.12	228	60812	5.417	ng	97
83) Chrysene	14.16	228	54298	5.093	ng	96
86) Indeno(1,2,3-cd)pyrene	17.23	276	28541	3.227	ng	95
88) Benzo(b)fluoranthene	15.20	252	68020m	7.979	ng	
89) Benzo(k)fluoranthene	15.23	252	26876m	3.207	ng	
90) Benzo(a)pyrene	15.59	252	47153	6.011	ng	# 96
92) Benzo(g,h,i)perylene	17.71	276	27092	4.062	ng	95

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

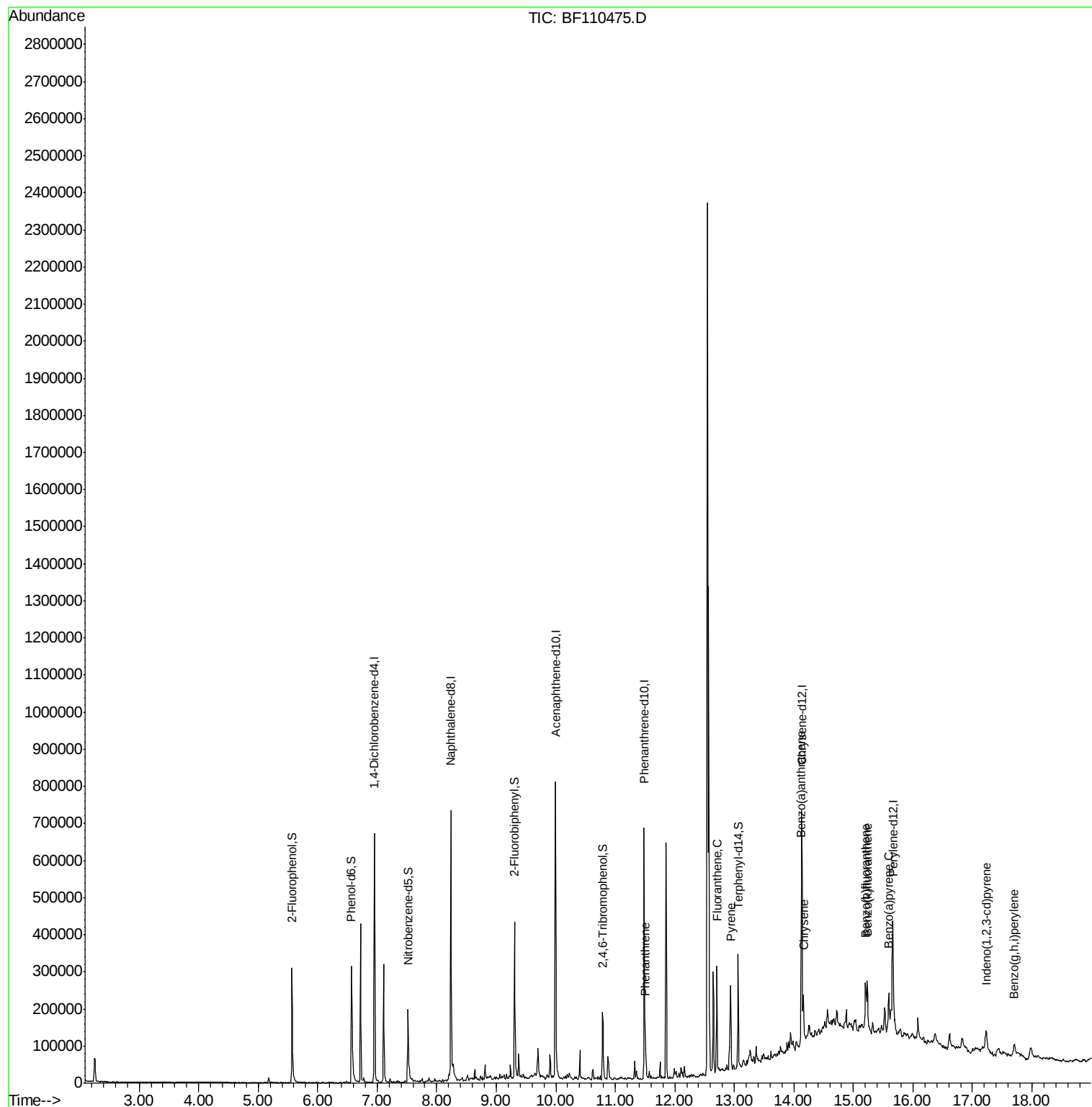
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110518\
Data File : BF110475.D
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Operator : JU/SJ
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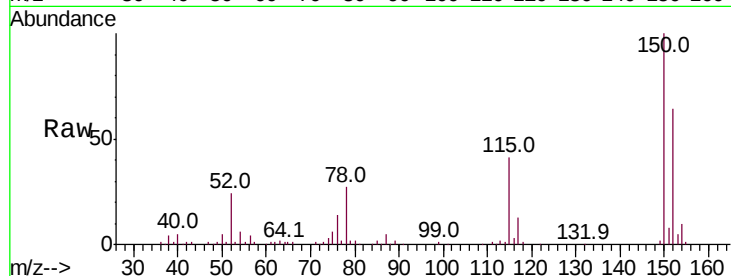
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF110475.D
 Acq: 5 Nov 2018 19:51

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-110218-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	122.7	184.1
115	64.2	49.1	73.7

Manual Integrations
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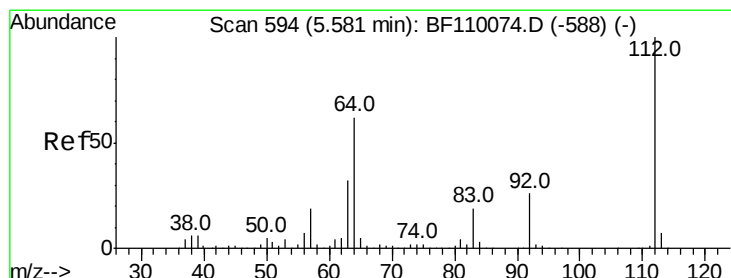
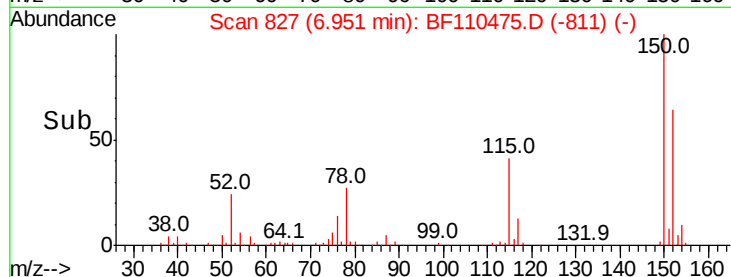
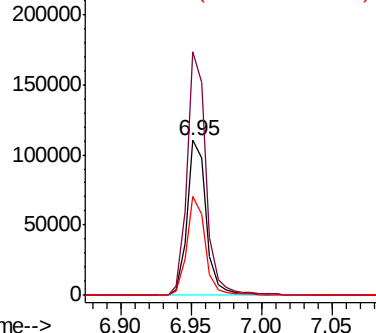


Abundance

Ion 152.00 (151.70 to 152.70): E

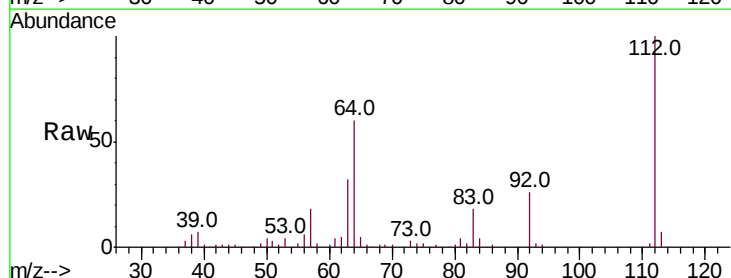
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 16.112 ng
 RT: 5.57 min Scan# 592
 Delta R.T. -0.01 min
 Lab File: BF110475.D
 Acq: 5 Nov 2018 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	44.1	66.1
63	31.5	23.7	35.5

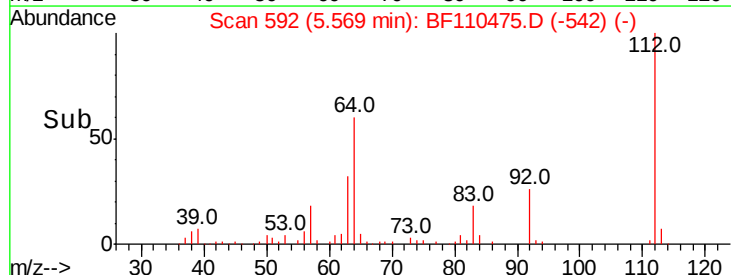
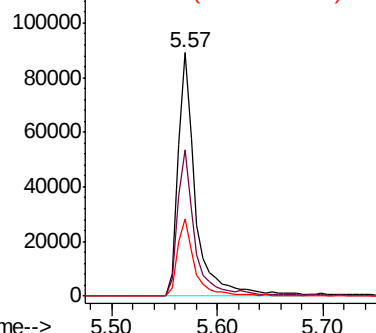


Abundance

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: 16.624 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Instrument :

BNA_F

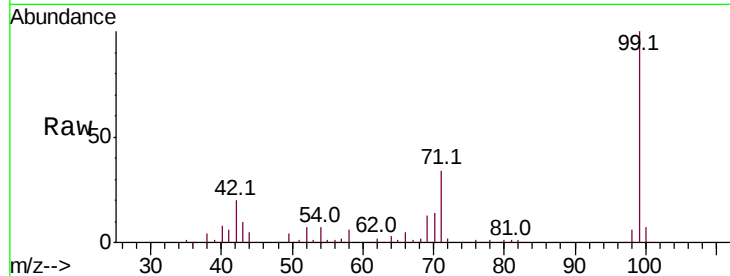
ClientSampleId :

EO-01-110218-C

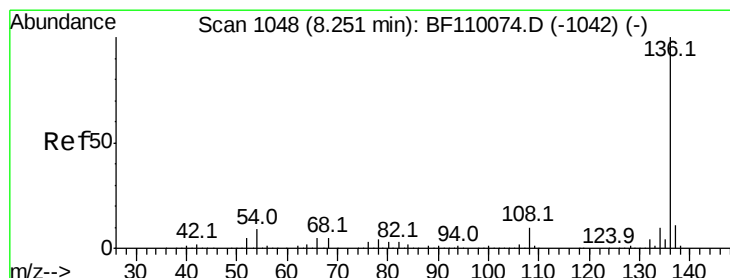
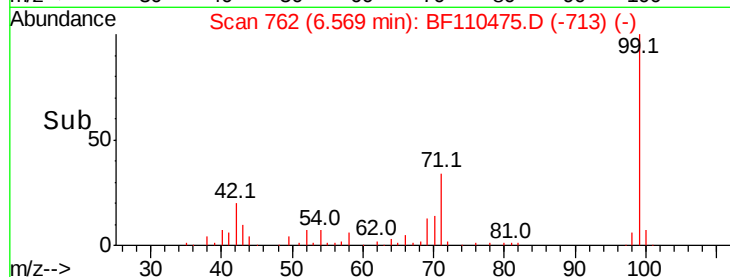
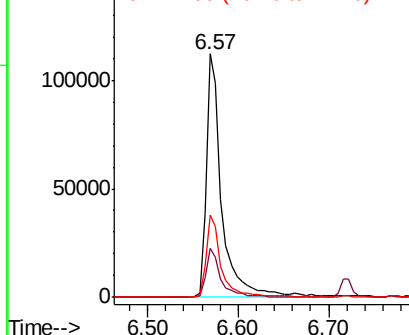
Tot Ion:	99	Resp:	136446
Ion	Ratio	Lower	Upper
99	100		
42	20.1	15.8	23.6
71	34.1	28.0	42.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

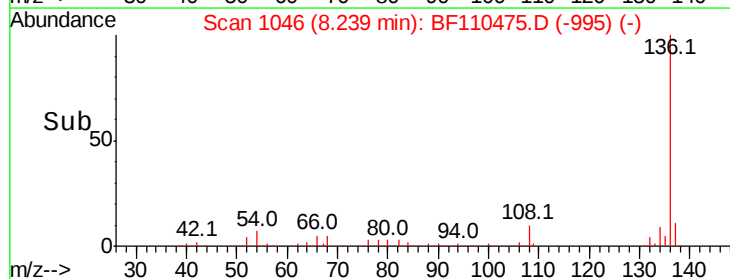
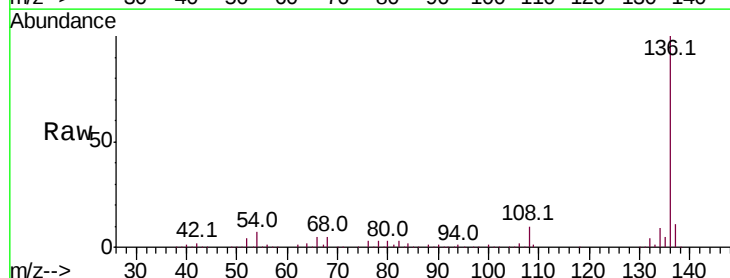
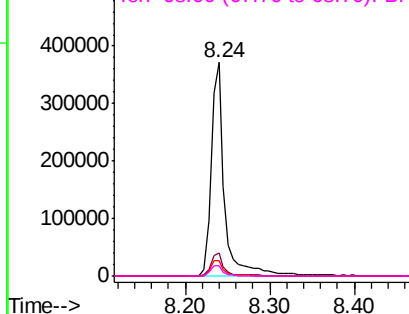
Delta R.T. 0.00 min

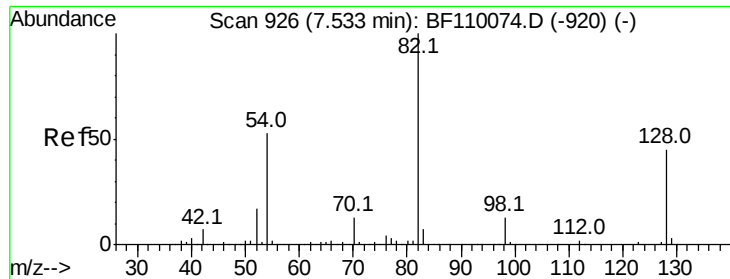
Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Tgt Ion:	136	Resp:	416363
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.3	5.4	8.2
68	4.8	4.2	6.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





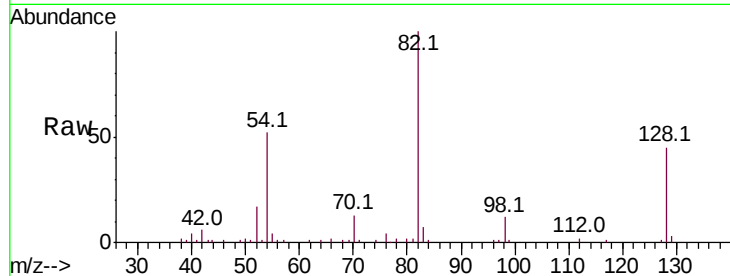
#23
Nitrobenzene-d5
Concen: 11.548 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

Instrument :
BNA_F
ClientSampleId :
EO-01-110218-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.2	51.2
54	52.3	38.6	58.0

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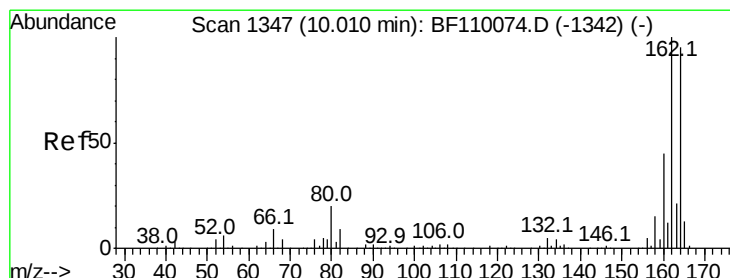
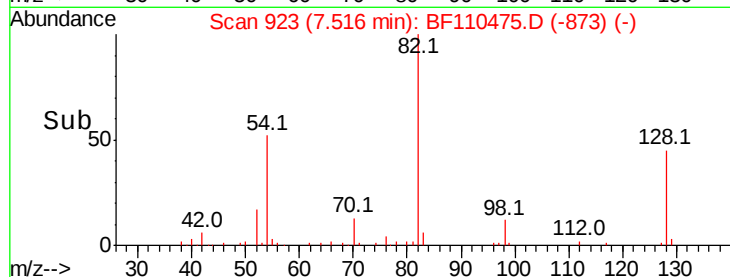
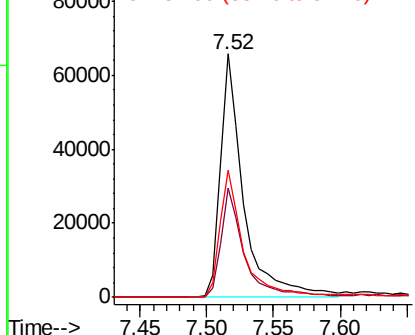


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

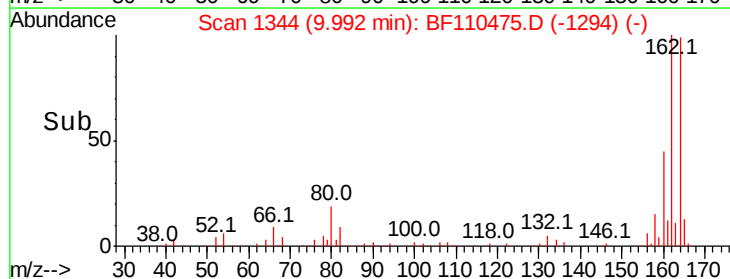
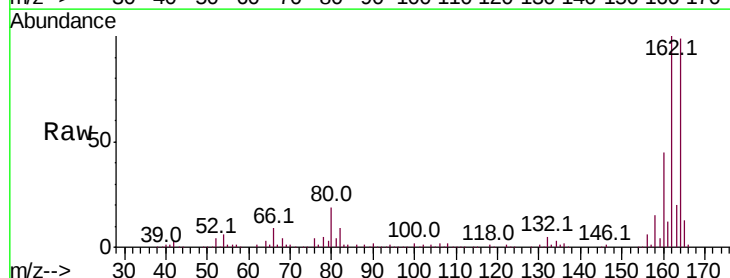
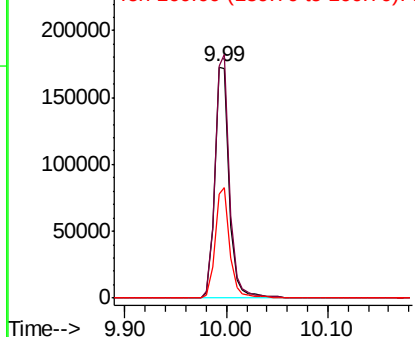
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	83.0	124.6
160	44.8	37.0	55.6

Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





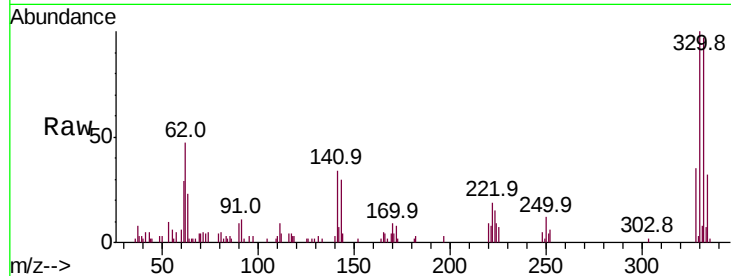
#42
 2,4,6-Tribromophenol
 Concen: 13.750 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: BF110475.D
 Acq: 5 Nov 2018 19:51

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-110218-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.1	115.7
141	40.4	27.0	40.4

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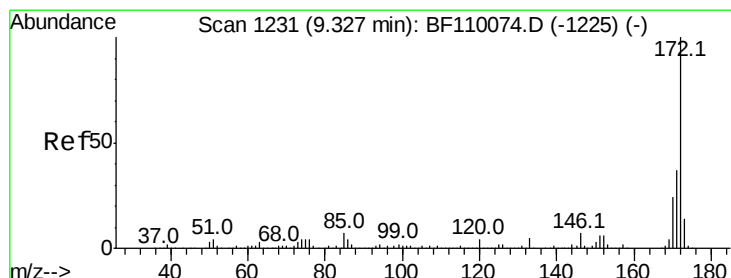
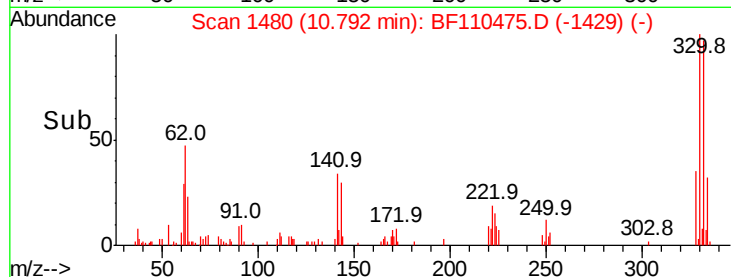
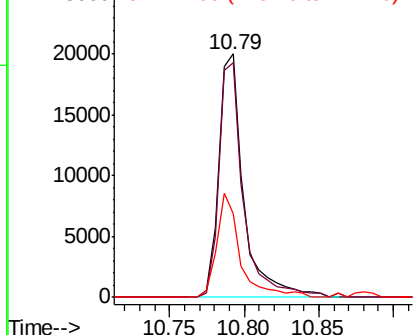


Abundance

Ion 329.80 (329.50 to 330.50): E

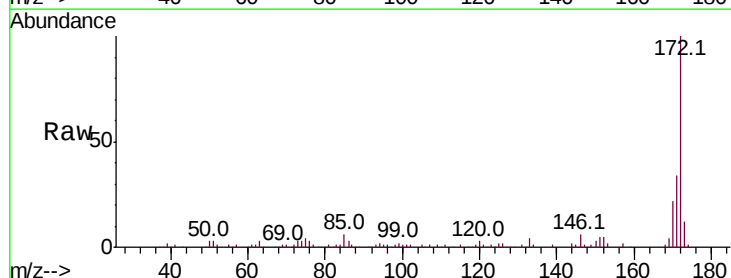
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 14.367 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110475.D
 Acq: 5 Nov 2018 19:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.6	43.0
170	22.1	19.7	29.5

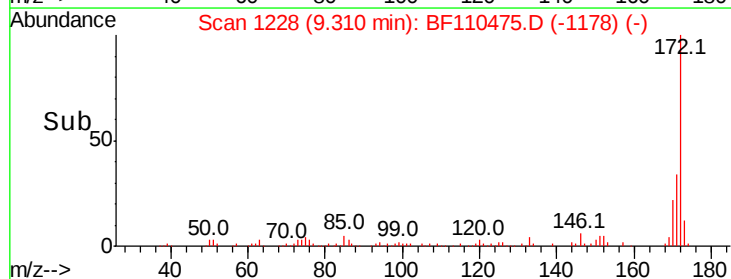
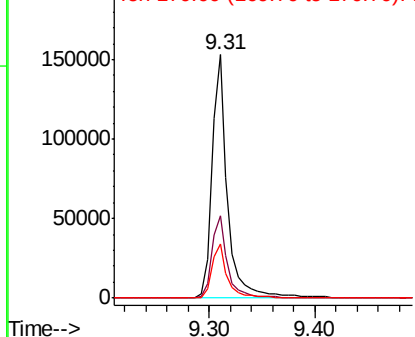


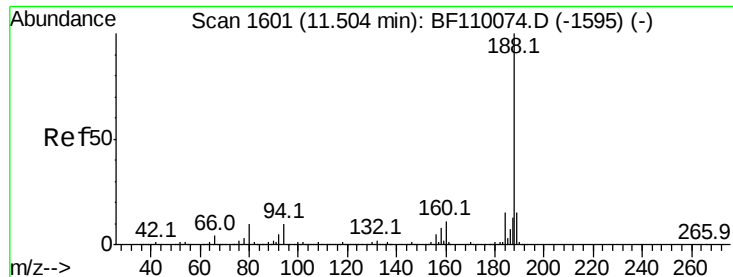
Abundance

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





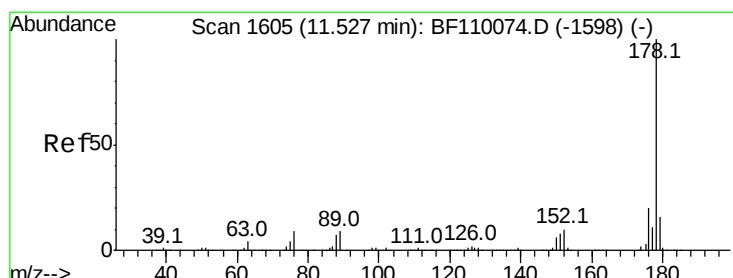
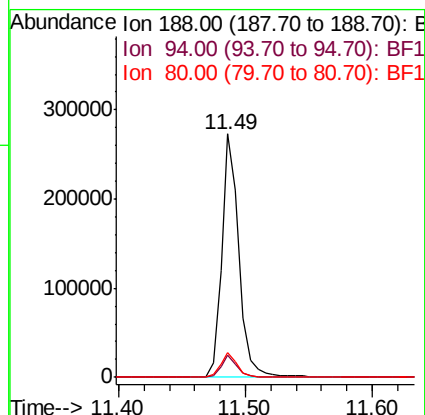
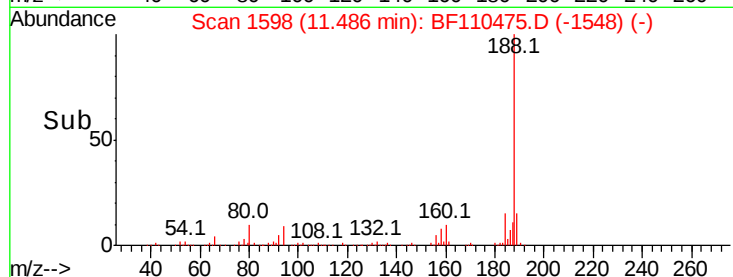
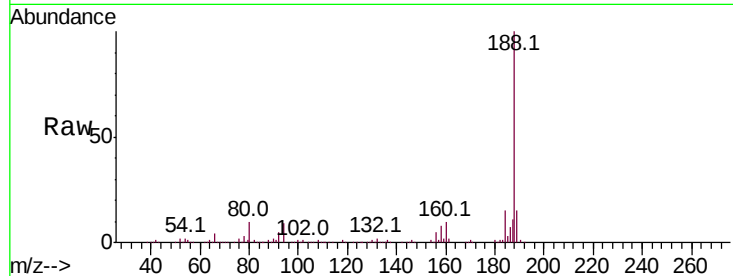
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

Instrument :
BNA_F
ClientSampleId :
EO-01-110218-C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.3	7.9	11.9

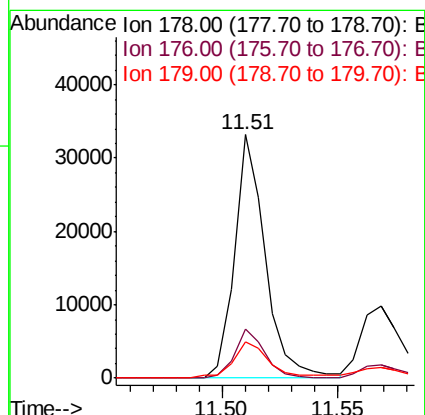
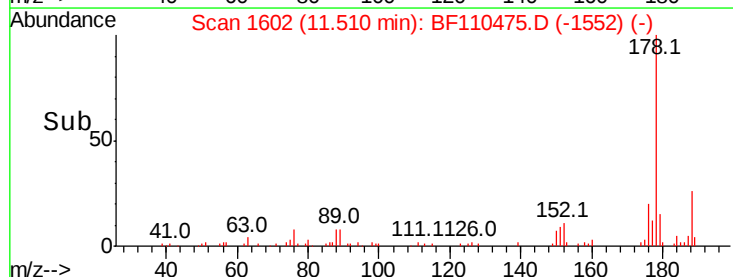
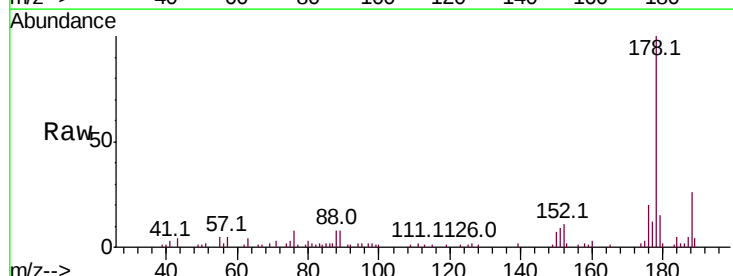
Manual Integrations
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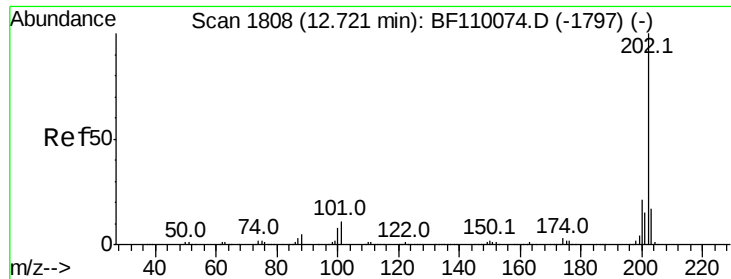
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#71
Phenanthrene
Concen: 2.276 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.1	15.5	23.3
179	15.1	12.5	18.7





#75

Fluoranthene

Concen: 7.806 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Instrument :

BNA_F

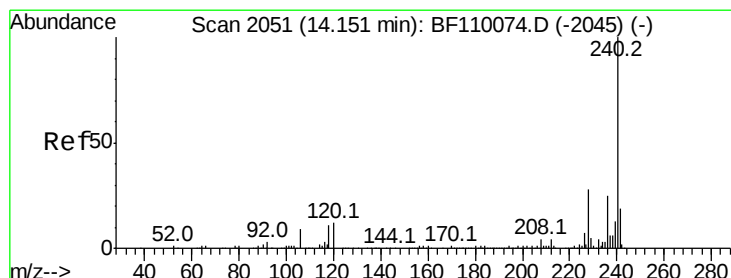
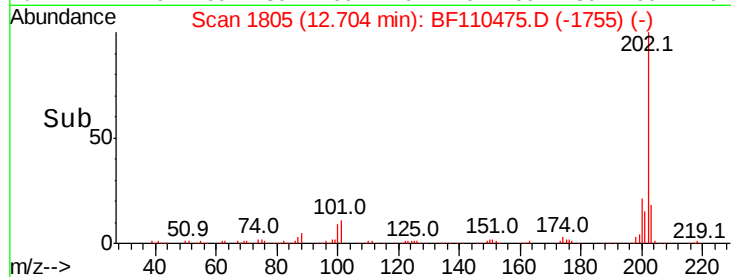
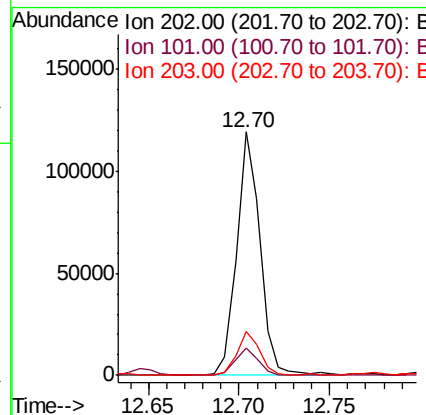
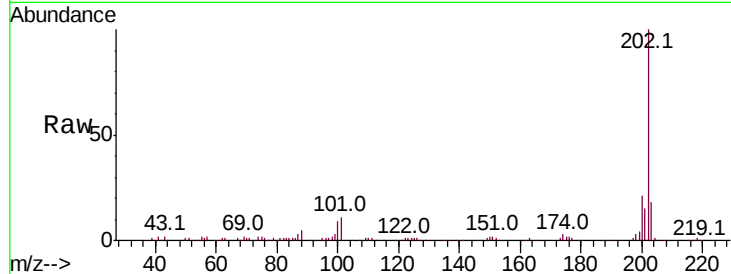
ClientSampleId :

EO-01-110218-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	31.4
203	18.1	0.0	37.7

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

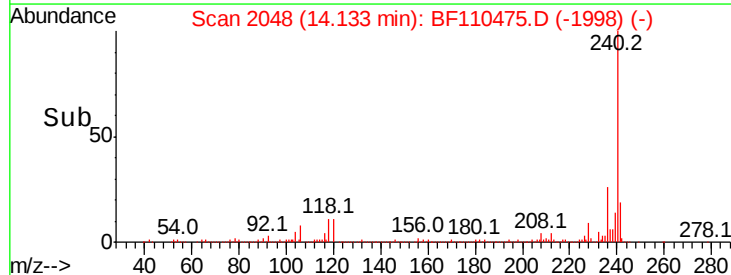
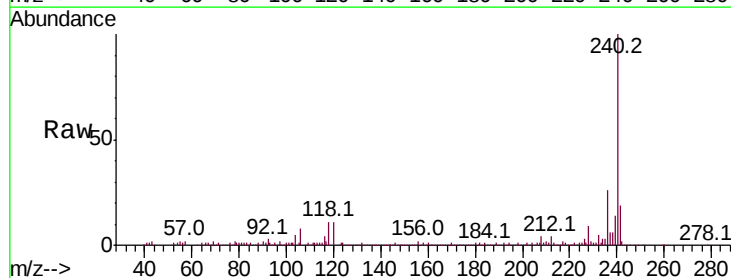
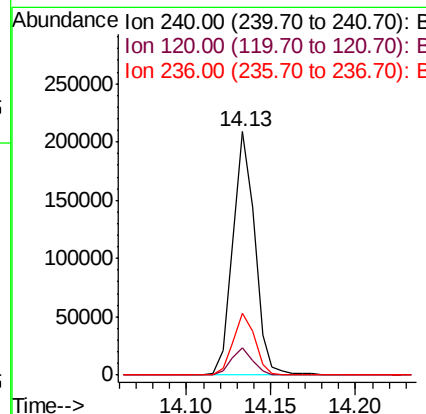
RT: 14.13 min Scan# 2048

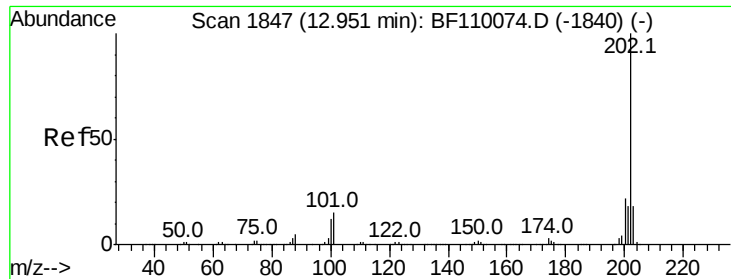
Delta R.T. -0.01 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.1	8.3	12.5
236	25.5	21.2	31.8





#78

Pvrene

Concen: 7.431 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Instrument :

BNA_F

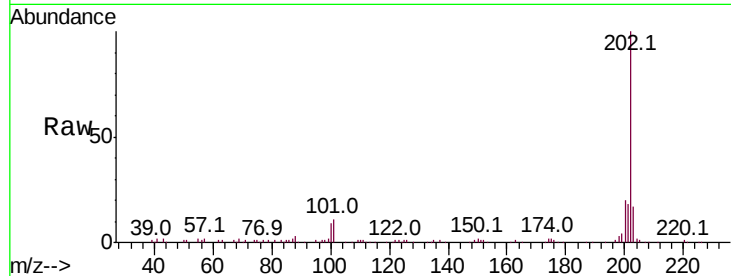
ClientSampleId :

EO-01-110218-C

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.8	26.6
203	16.8	14.2	21.4

Manual Integrations
APPROVED

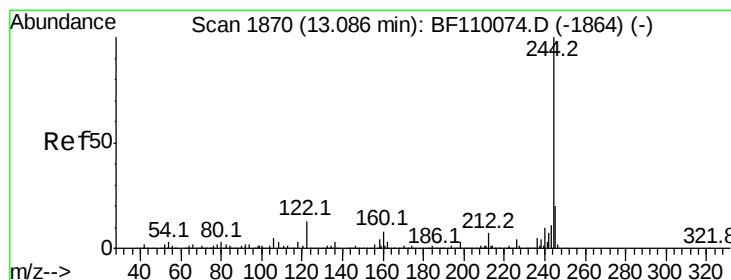
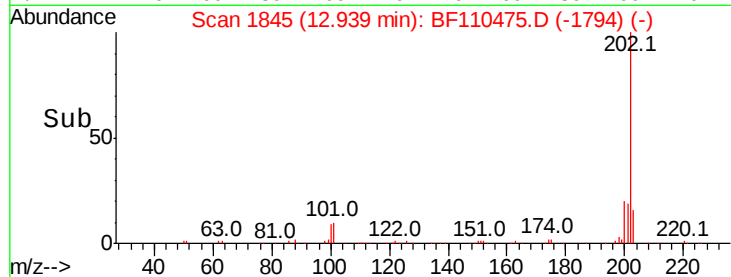
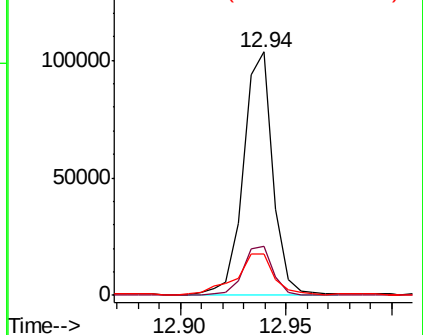
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 11.161 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110475.D

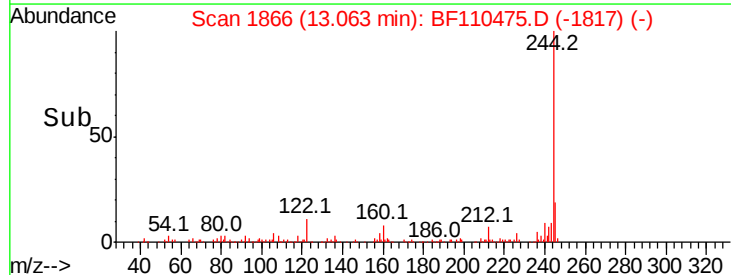
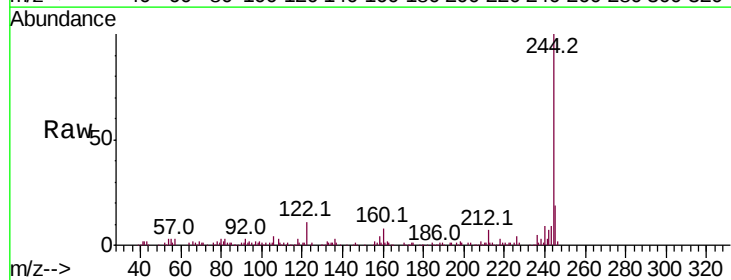
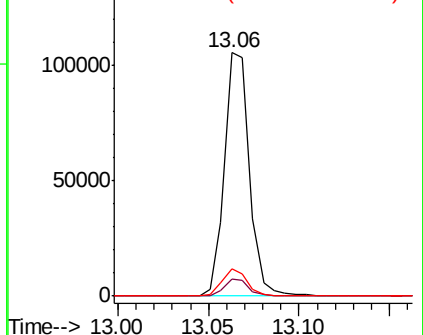
Acq: 5 Nov 2018 19:51

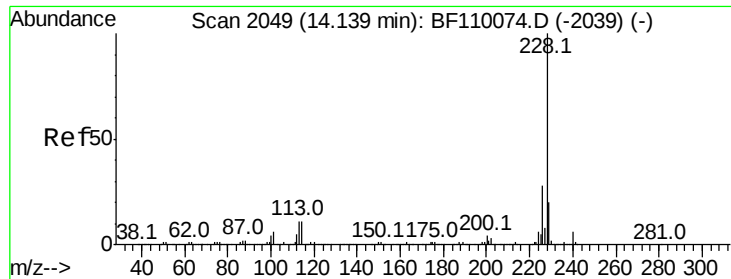
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	11.3	8.7	13.1

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: 5.417 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Instrument :

BNA_F

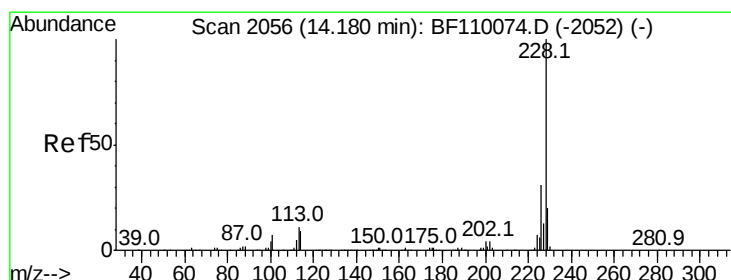
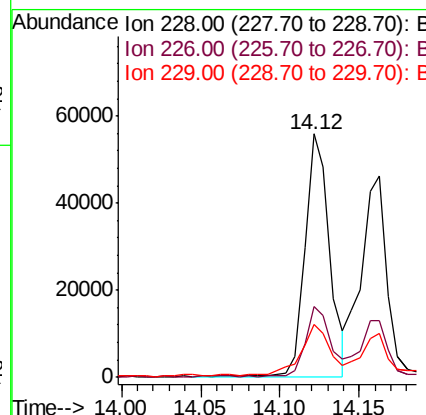
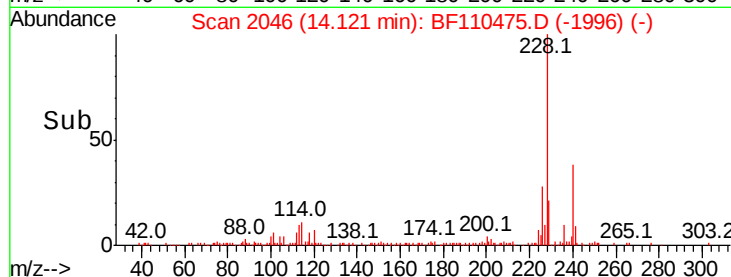
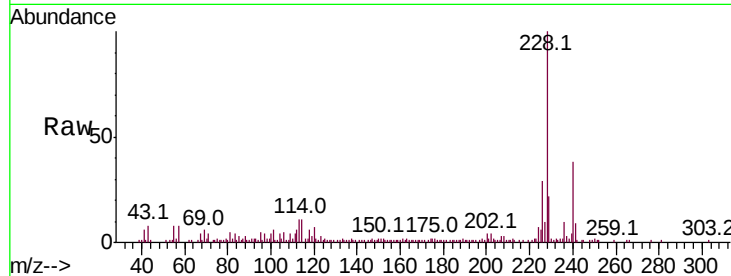
ClientSampleId :

EO-01-110218-C

Tot Ion:	228	Resp:	60812
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.1	33.1
229	21.6	15.6	23.4

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#83

Chrysene

Concen: 5.093 ng

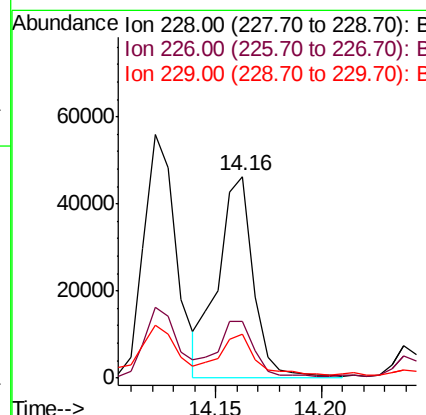
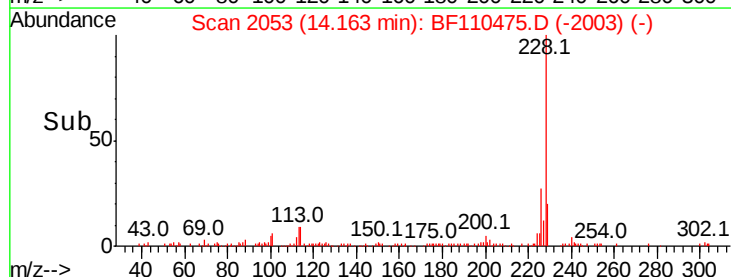
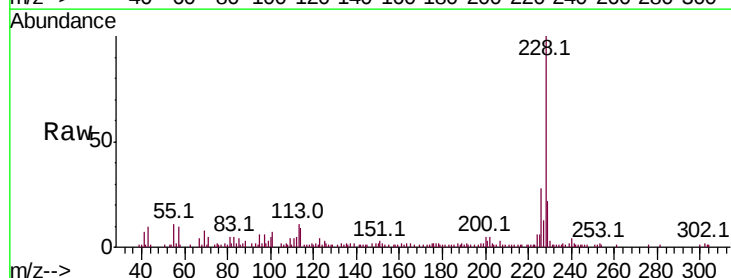
RT: 14.16 min Scan# 2053

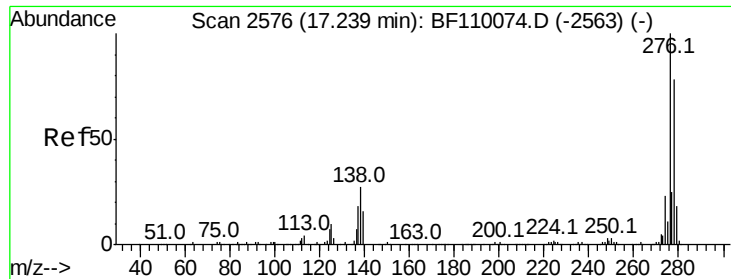
Delta R.T. -0.01 min

Lab File: BF110475.D

Acq: 5 Nov 2018 19:51

Tgt Ion:	228	Resp:	54298
Ion Ratio	Lower	Upper	
228	100		
226	28.2	24.7	37.1
229	21.6	15.9	23.9





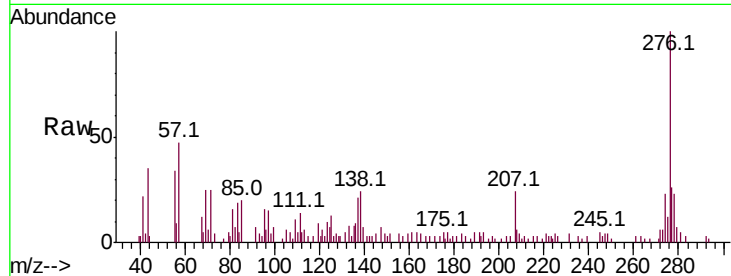
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.227 ng
RT: 17.23 min Scan# 2574
Delta R.T. 0.00 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

Instrument :
BNA_F
ClientSampleId :
EO-01-110218-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	18.5	27.7
277	23.5	20.0	30.0

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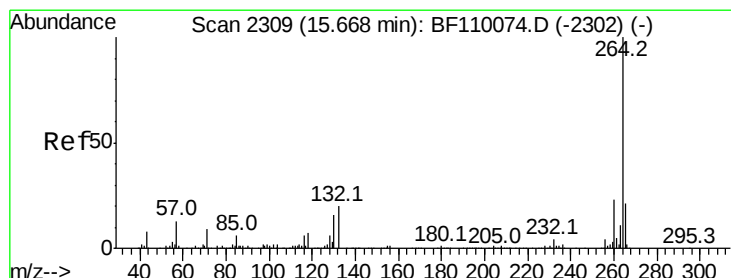
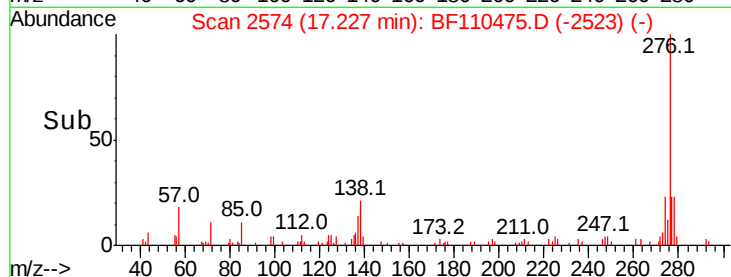
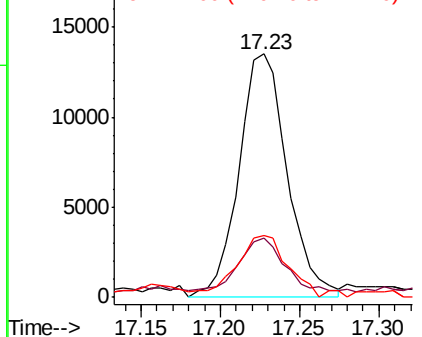


Abundance

Ion 276.00 (275.70 to 276.70): E

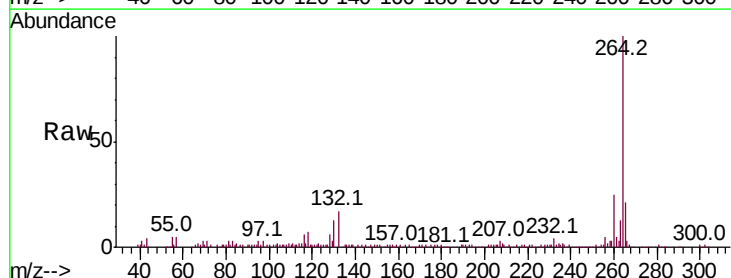
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	21.2	16.7	25.1

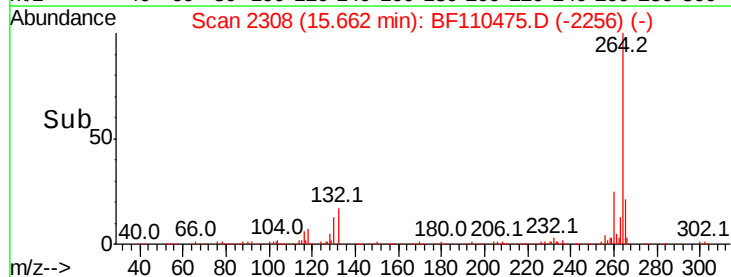
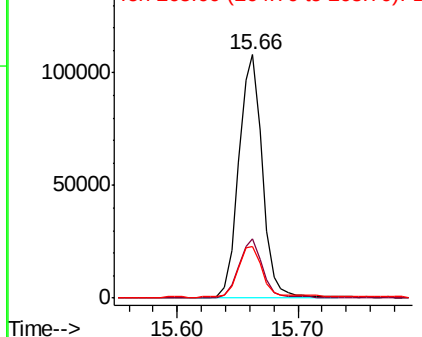


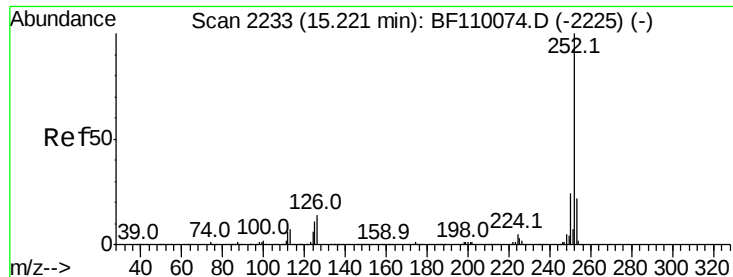
Abundance

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





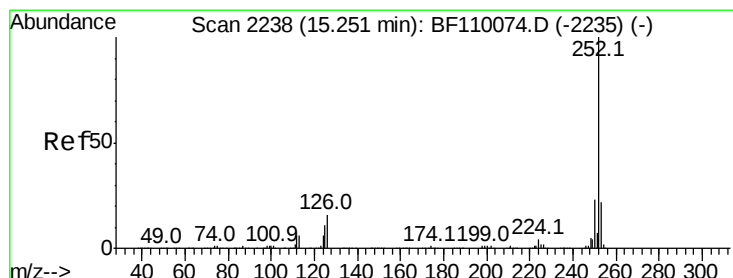
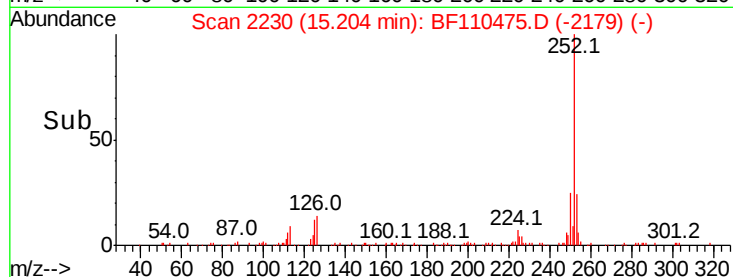
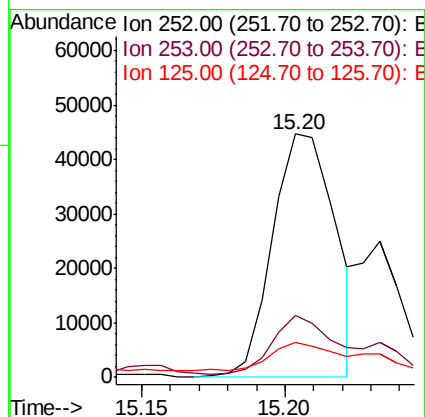
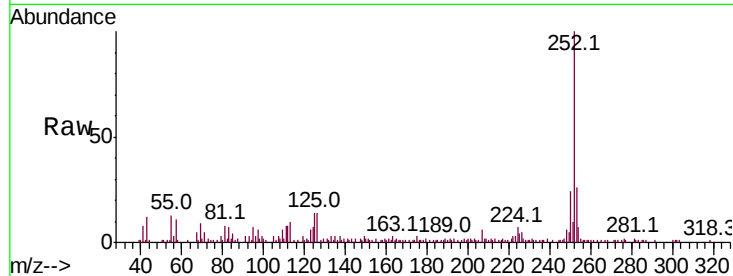
#88
Benzo(b)fluoranthene
Concen: 7.979 ng m
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

Instrument :
BNA_F
ClientSampleId :
EO-01-110218-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.2	25.8
125	14.5	8.2	12.4

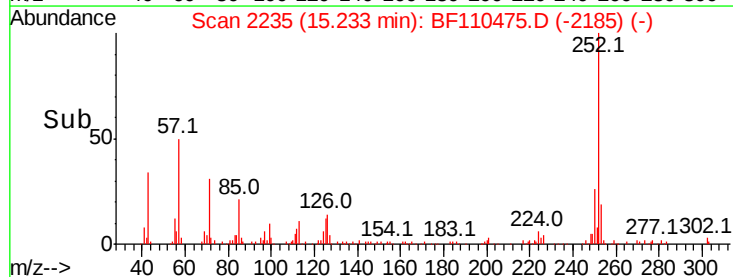
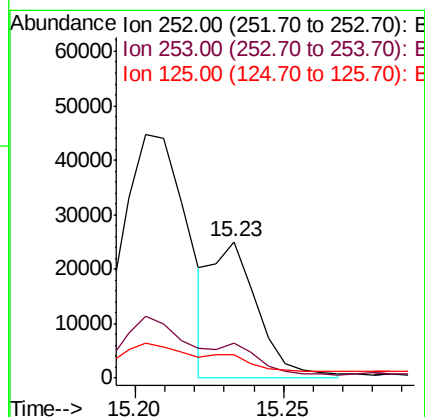
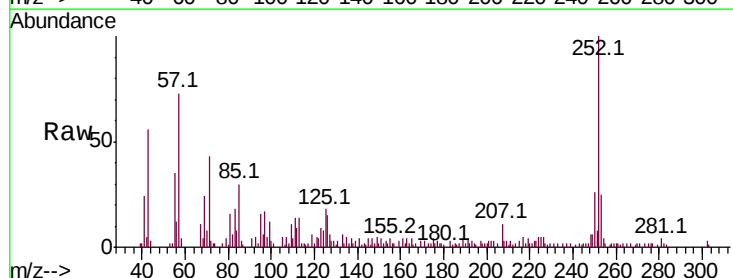
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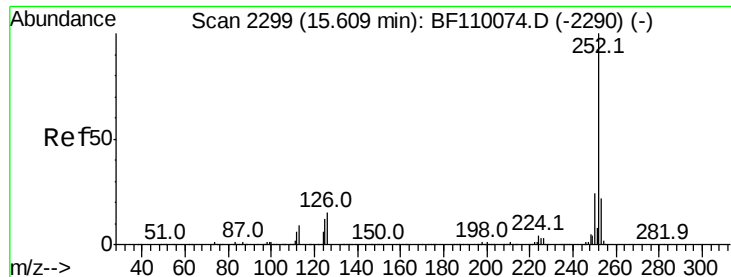
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#89
Benzo(k)fluoranthene
Concen: 3.207 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.2	25.8
125	17.6	7.4	11.0





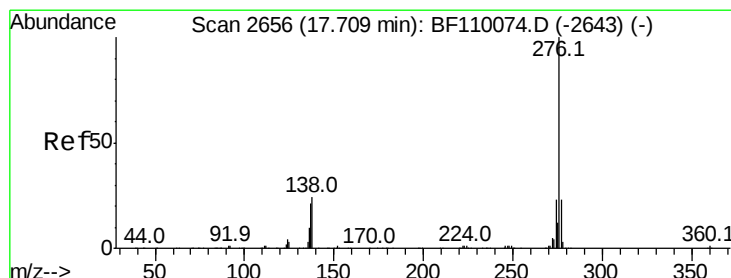
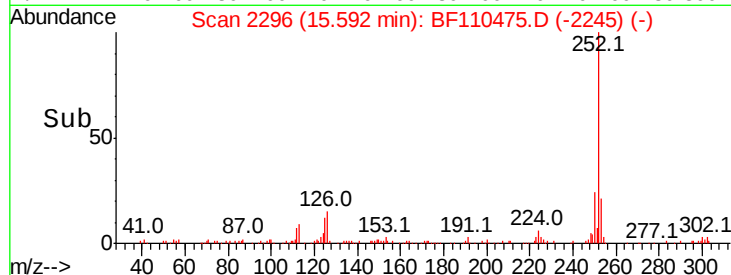
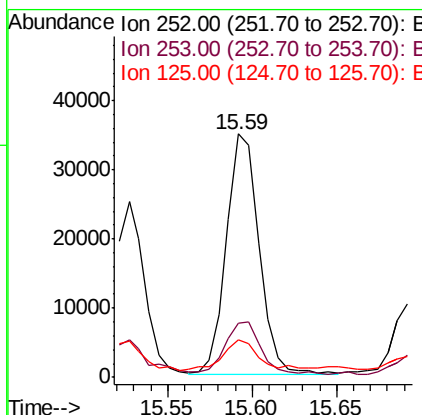
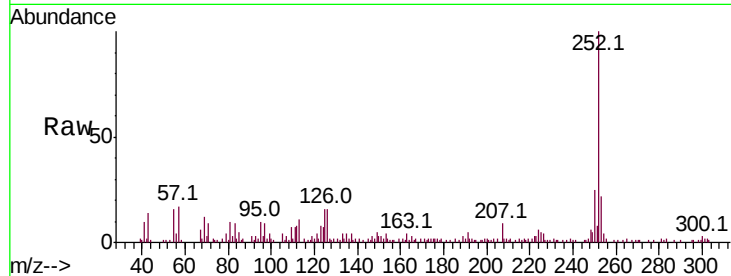
#90
Benzo(a)pyrene
Concen: 6.011 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

Instrument :
BNA_F
ClientSampleId :
EO-01-110218-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	15.7	9.0	13.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.062 ng
RT: 17.71 min Scan# 2656
Delta R.T. 0.01 min
Lab File: BF110475.D
Acq: 5 Nov 2018 19:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.8	28.2
138	23.1	16.0	24.0

