Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110518\
Data File : BF110476.D
Acq On : 5 Nov 2018 20:18
Operator : JU/SJ
Sample : J5771-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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

Manual Integrations APPROVED
Sohil
11/6/2018 9:01:18 AM

Quant Time: Nov 06 04:36:48 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	101854	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	407473	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	161725	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	238398	20.00	ng	0.00
76) Chrysene-d12	14.13	240	180516	20.00	ng	0.00
87) Perylene-d12	15.66	264	136660	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	133174	21.29	ng	0.00
7) Phenol-d6	6.57	99	174614	21.83	ng	-0.01
23) Nitrobenzene-d5	7.52	82	106548	15.51	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	28335	17.69	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	186308	18.09	ng	0.00
79) Terphenyl-d14	13.07	244	117128	13.49	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.70	163	27764	2.326	ng	99
71) Phenanthrene	11.51	178	29582	2.371	ng	99
75) Fluoranthene	12.70	202	49218	3.888	ng	96
78) Pyrene	12.94	202	48626	3.757	ng	98
81) Benzo(a)anthracene	14.12	228	26881	2.511	ng	97
83) Chrysene	14.16	228	24612m	2.421	ng	
88) Benzo(b)fluoranthene	15.21	252	22848m	2.895	ng	
90) Benzo(a)pyrene	15.59	252	17405	2.397	ng	# 87

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

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

Manual Integrations APPROVED
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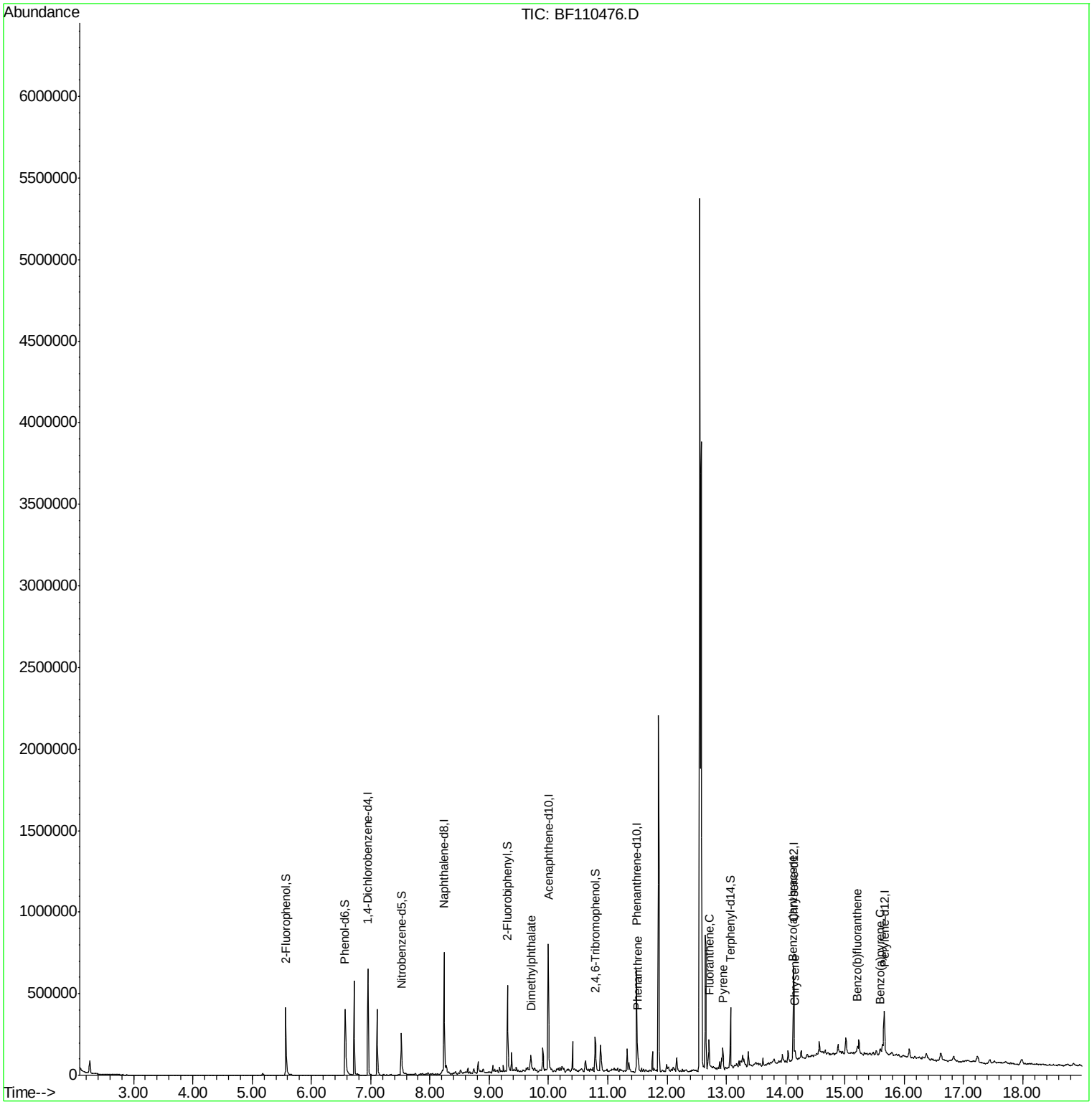
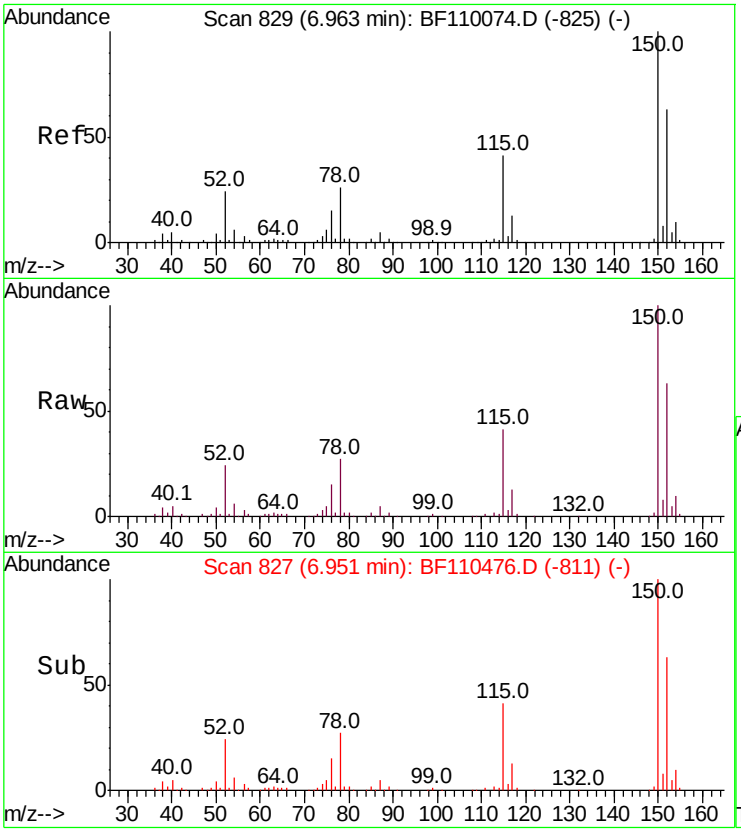
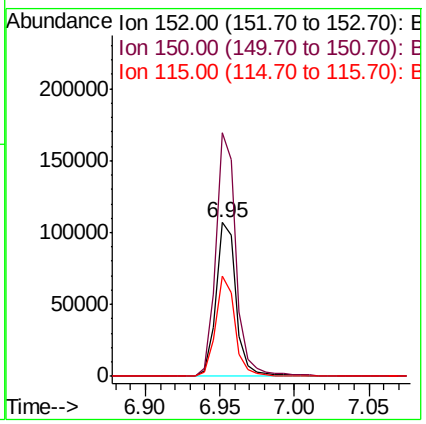




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:152 Resp: 101854

Ion	Ratio	Lower	Upper
152	100		
150	158.7	122.7	184.1
115	65.2	49.1	73.7



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

Manual Integrations APPROVED
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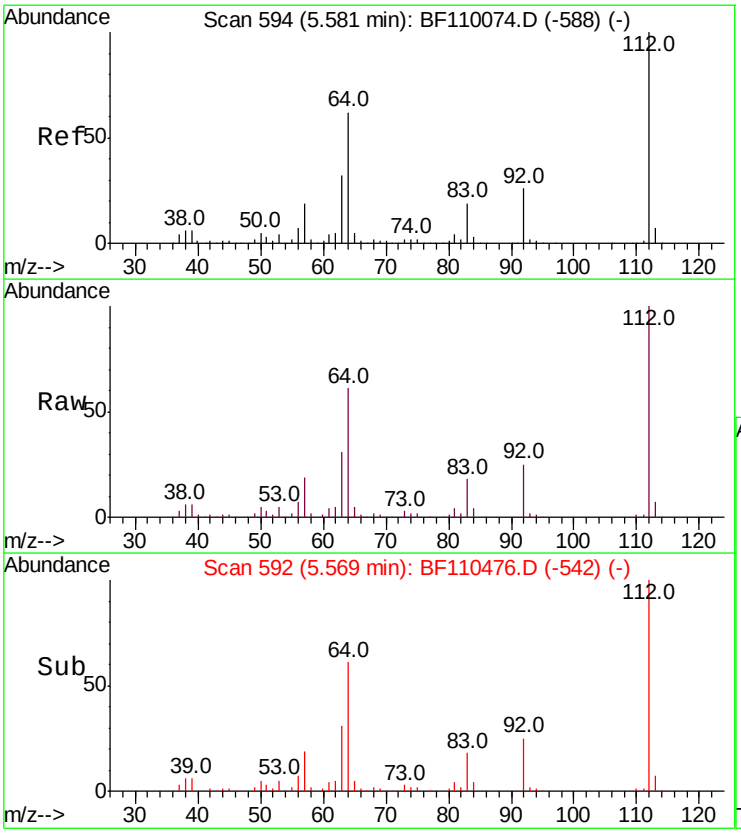
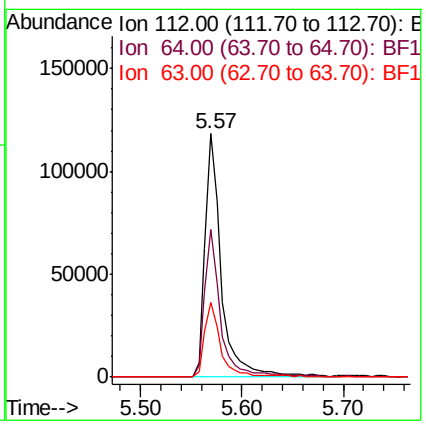
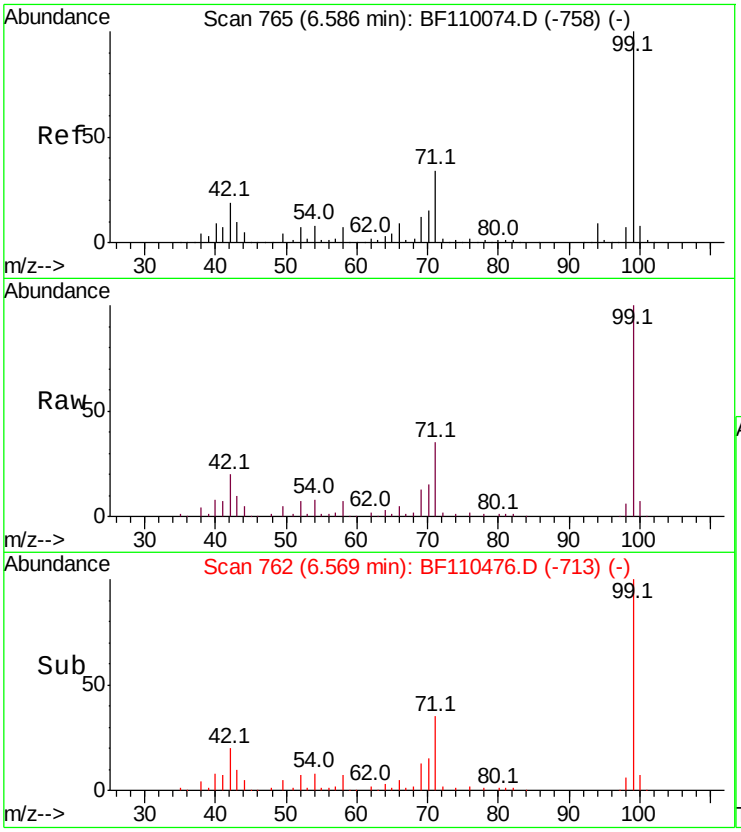


#5
2-Fluorophenol
Concen: 21.292 ng
RT: 5.57 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:112 Resp: 133174

Ion	Ratio	Lower	Upper
112	100		
64	60.7	44.1	66.1
63	30.8	23.7	35.5

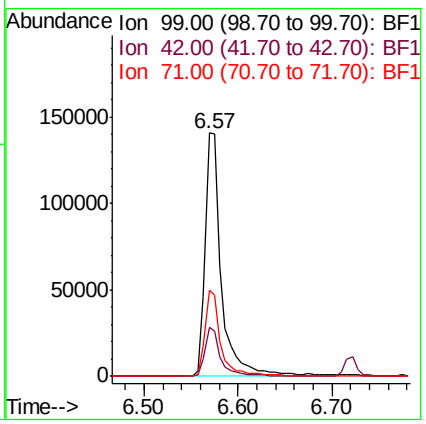




#7
Phenol-d6
Concen: 21.826 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion: 99 Resp: 174614

Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.8	23.6
71	35.5	28.0	42.0



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

Manual Integrations APPROVED
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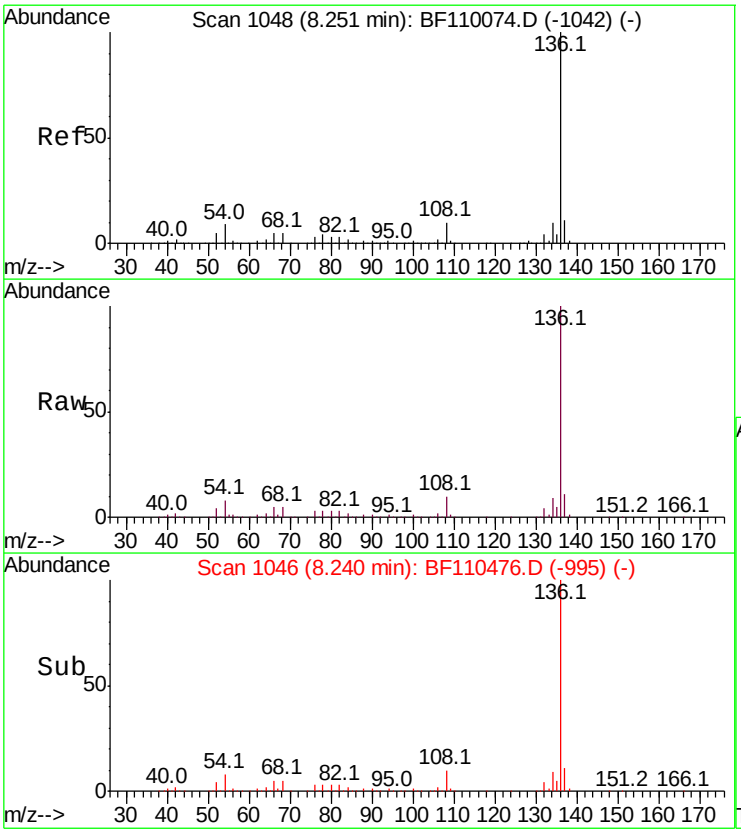
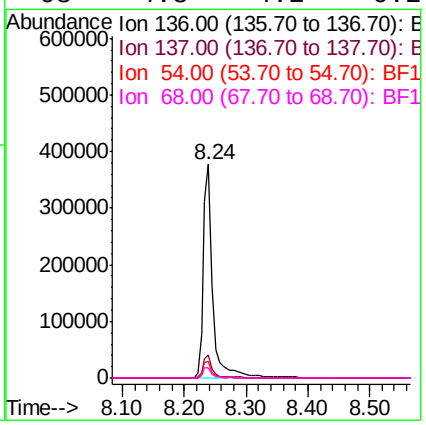
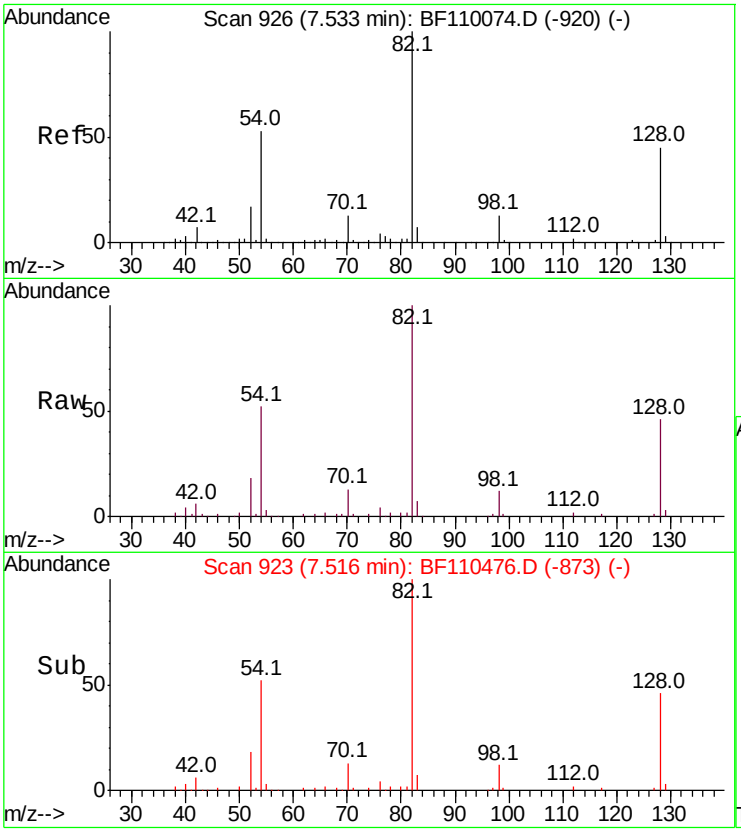


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:136 Resp: 407473

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.8	5.4	8.2
68	4.8	4.2	6.2

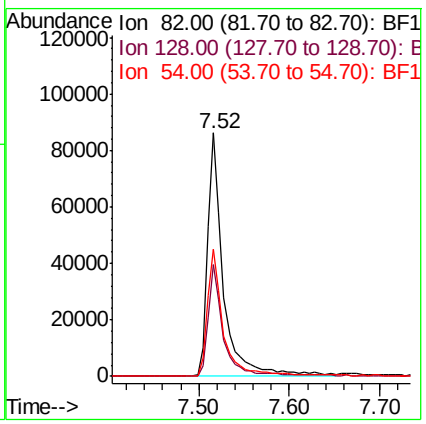




#23
Nitrobenzene-d5
Concen: 15.509 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion: 82 Resp: 106548

Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.2	51.2
54	52.2	38.6	58.0



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

Manual Integrations APPROVED
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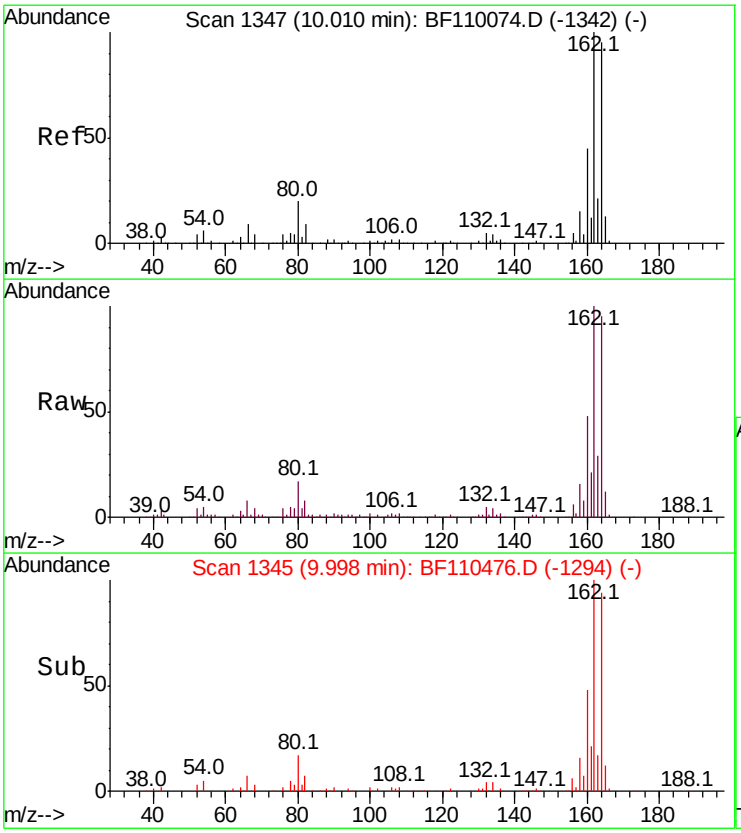
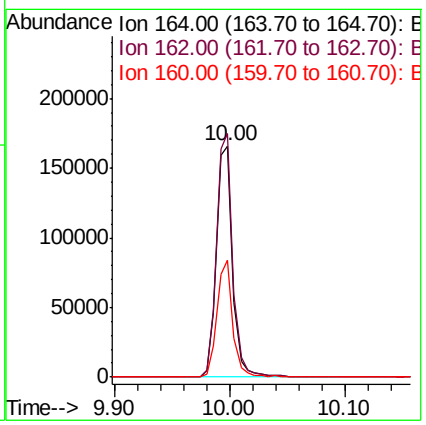
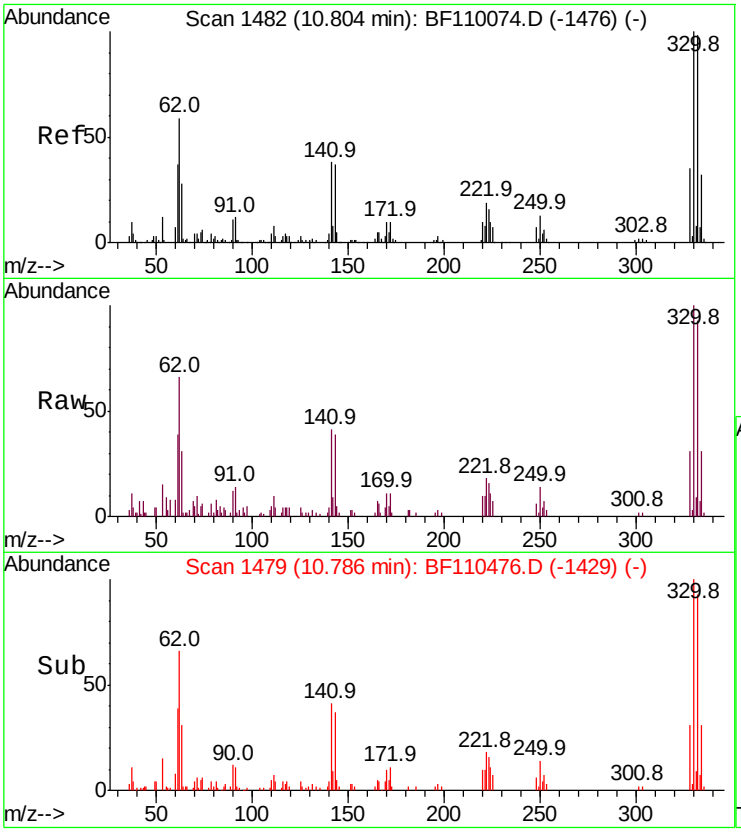


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:164 Resp: 161725

Ion	Ratio	Lower	Upper
164	100		
162	105.4	83.0	124.6
160	50.5	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 17.687 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:330 Resp: 28335

Ion	Ratio	Lower	Upper
330	100		
332	92.9	77.1	115.7
141	43.0	27.0	40.4#

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

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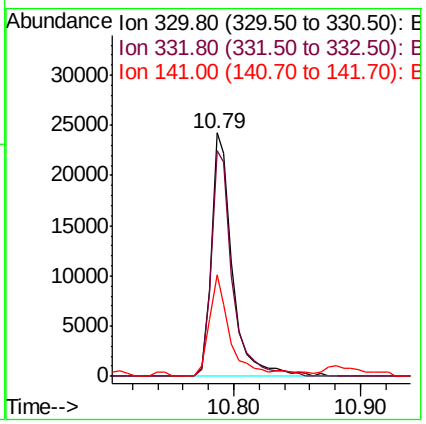
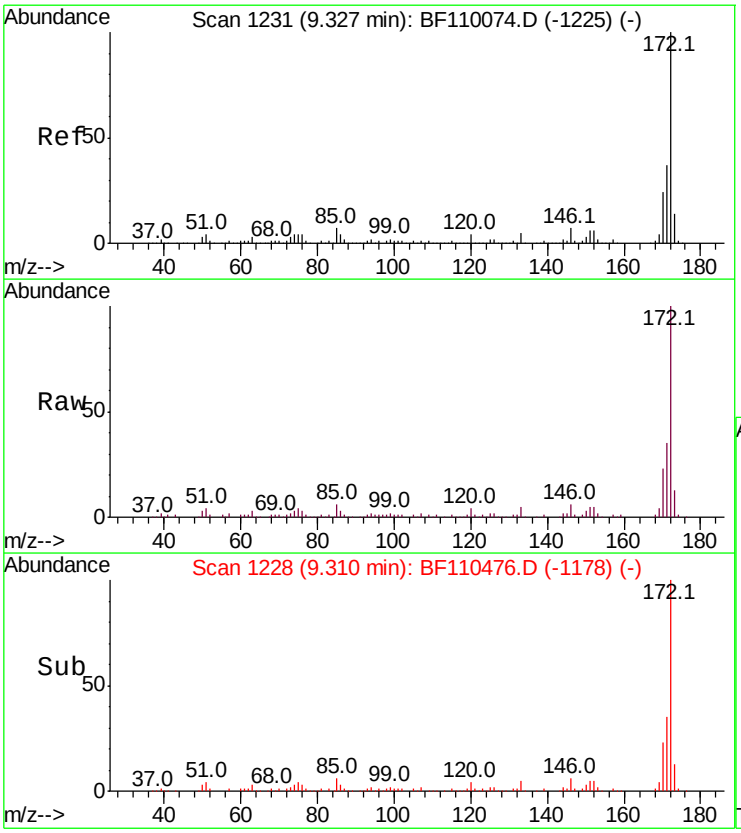
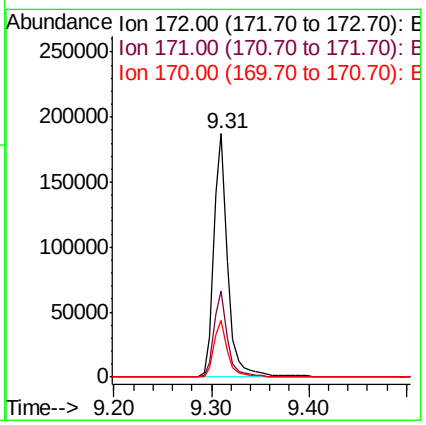


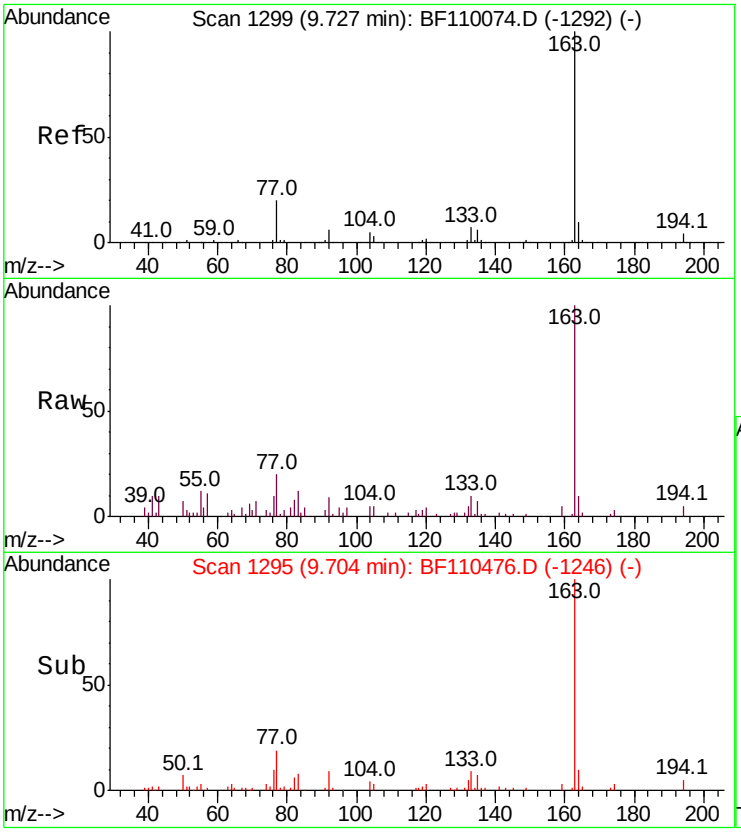


#45
2-Fluorobiphenyl
Concen: 18.089 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:172 Resp: 186308

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	23.3	19.7	29.5

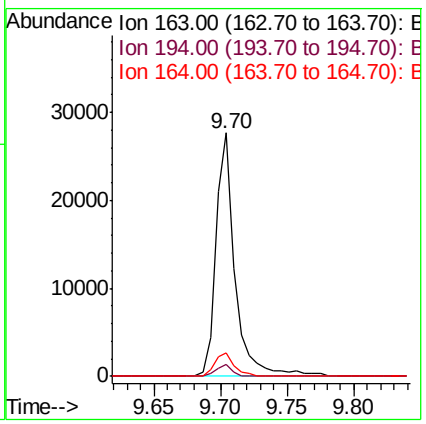




#50
Dimethylphthalate
Concen: 2.326 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:163 Resp: 27764

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.2	4.8
164	9.8	8.1	12.1



Instrument :
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ClientSampleId :
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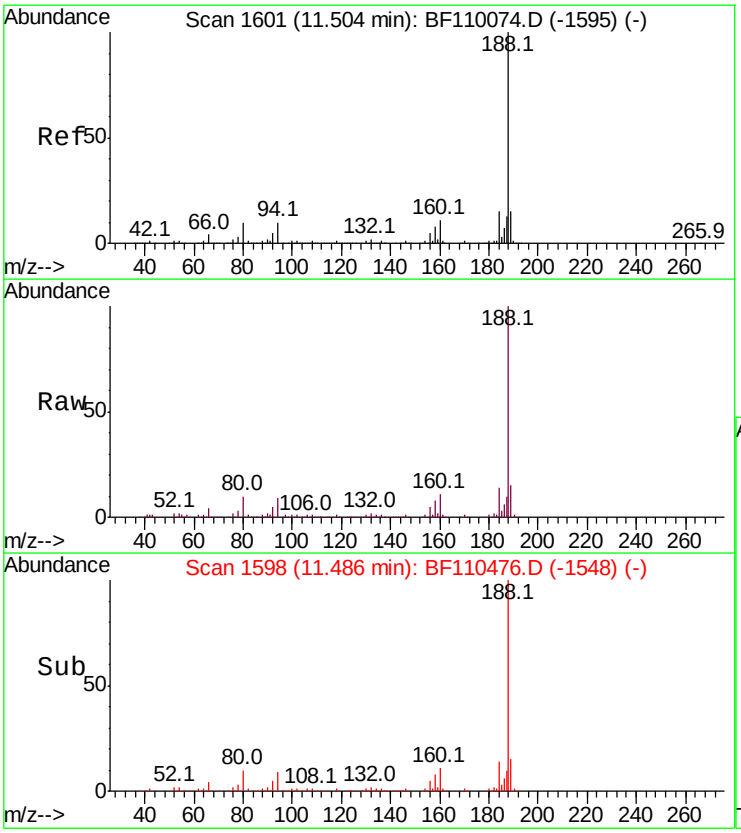
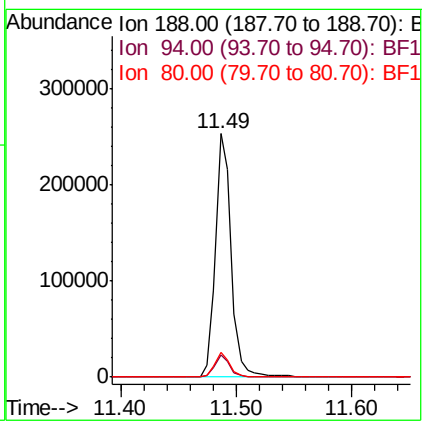
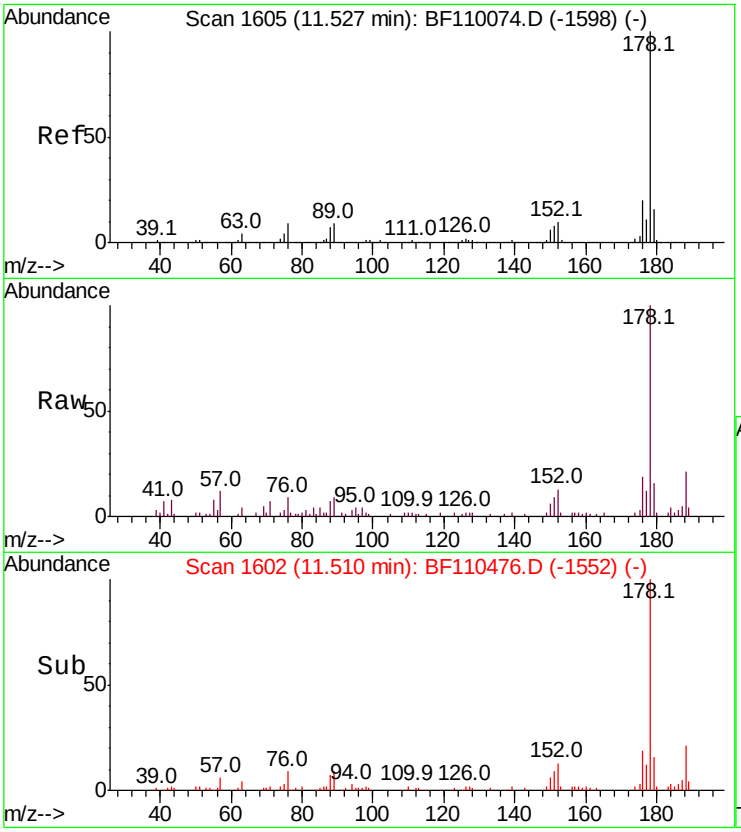


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:188 Resp: 238398

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	10.4	7.9	11.9

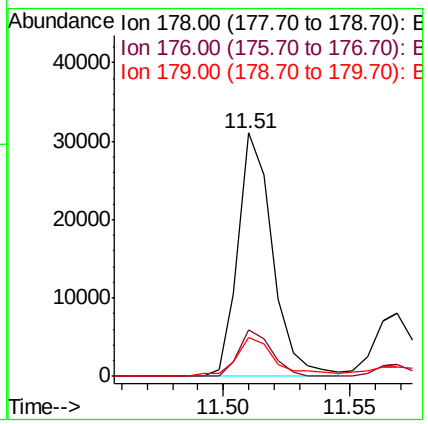




#71
Phenanthrene
Concen: 2.371 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:178 Resp: 29582

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	16.2	12.5	18.7



Instrument :
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ClientSampleId :
EO-01-110218-A

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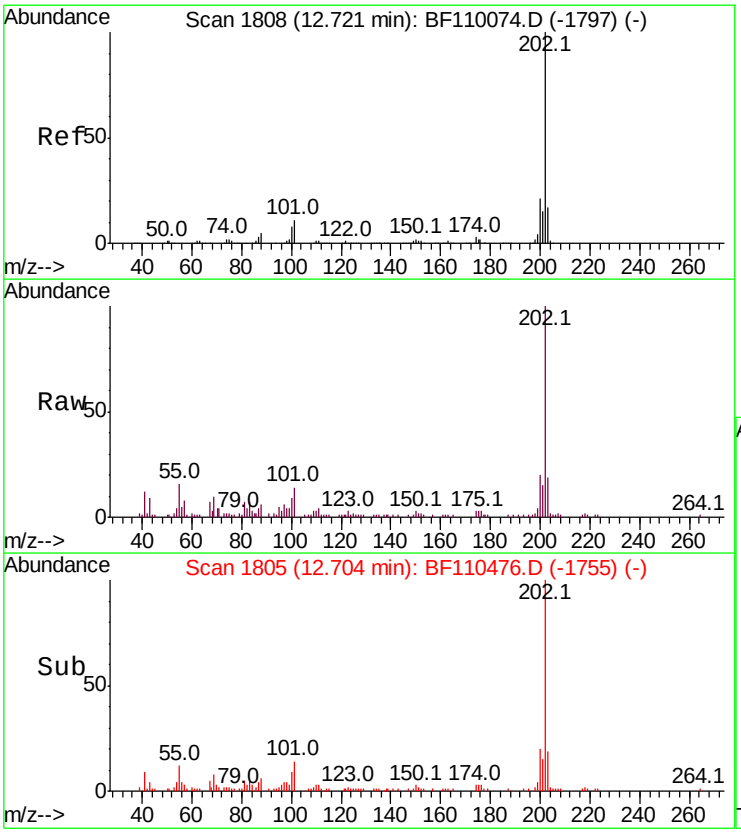
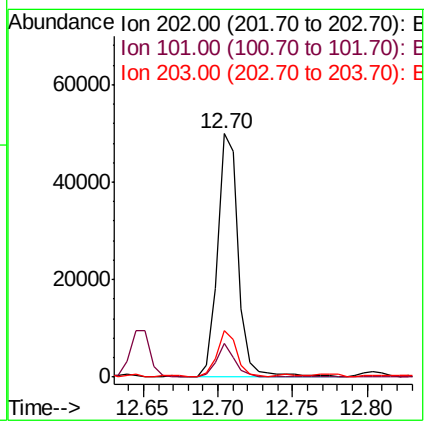
11/6/2018 9:01:18 AM

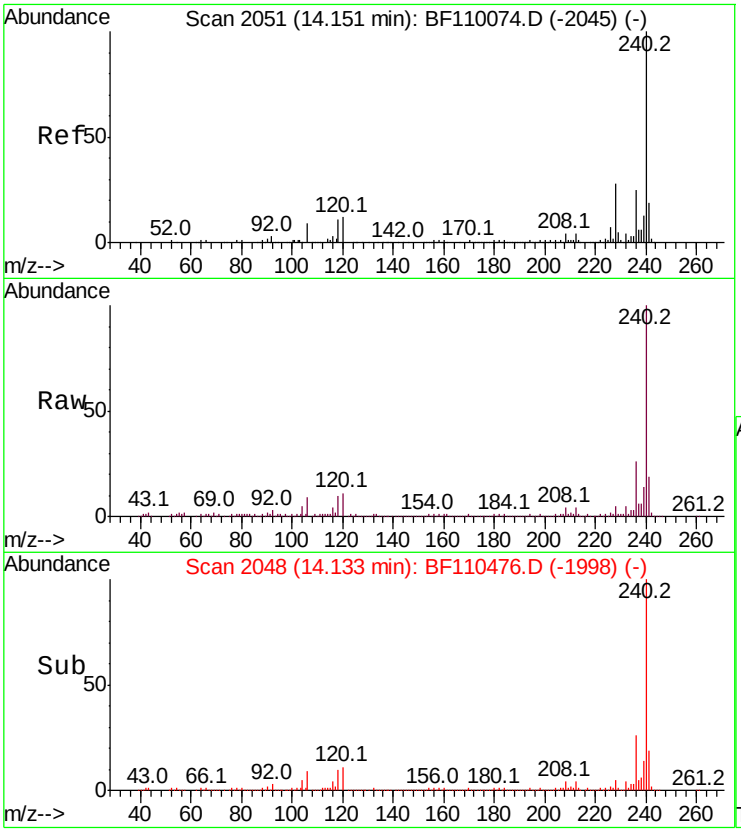


#75
Fluoranthene
Concen: 3.888 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:202 Resp: 49218

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	31.4
203	18.9	0.0	37.7

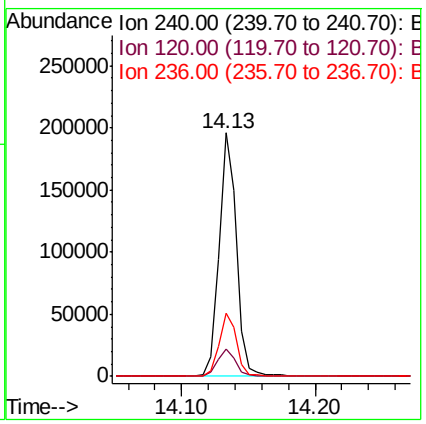




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:240 Resp: 180516

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.3	12.5
236	26.1	21.2	31.8



Instrument :
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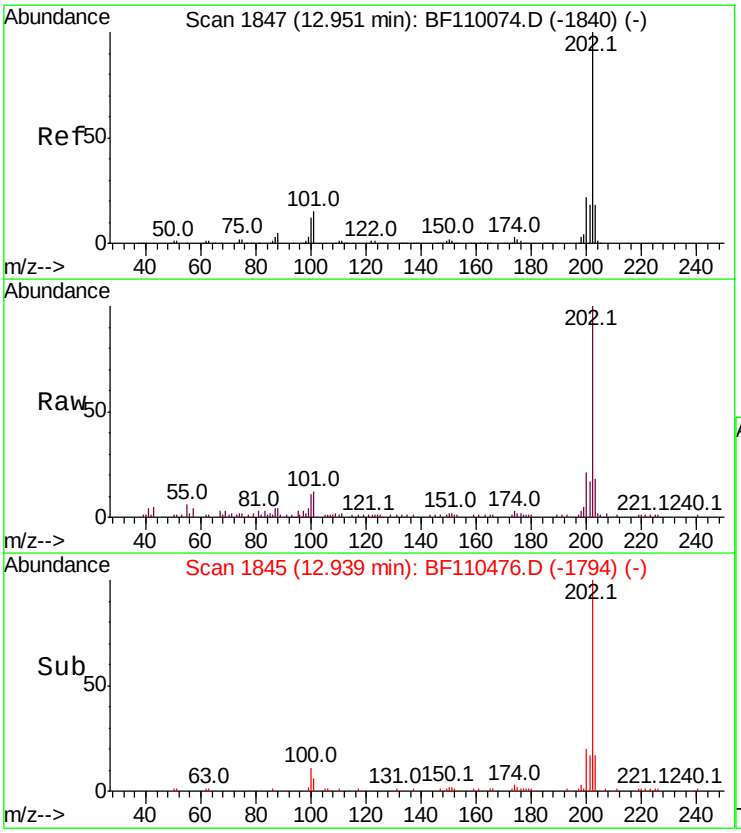
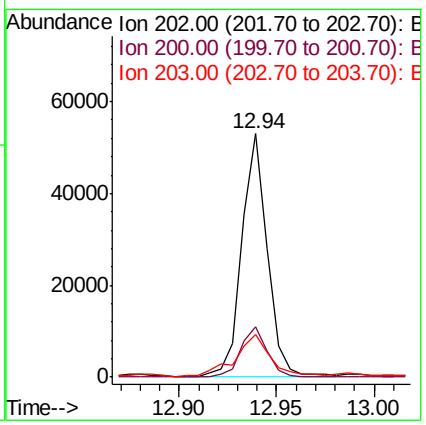
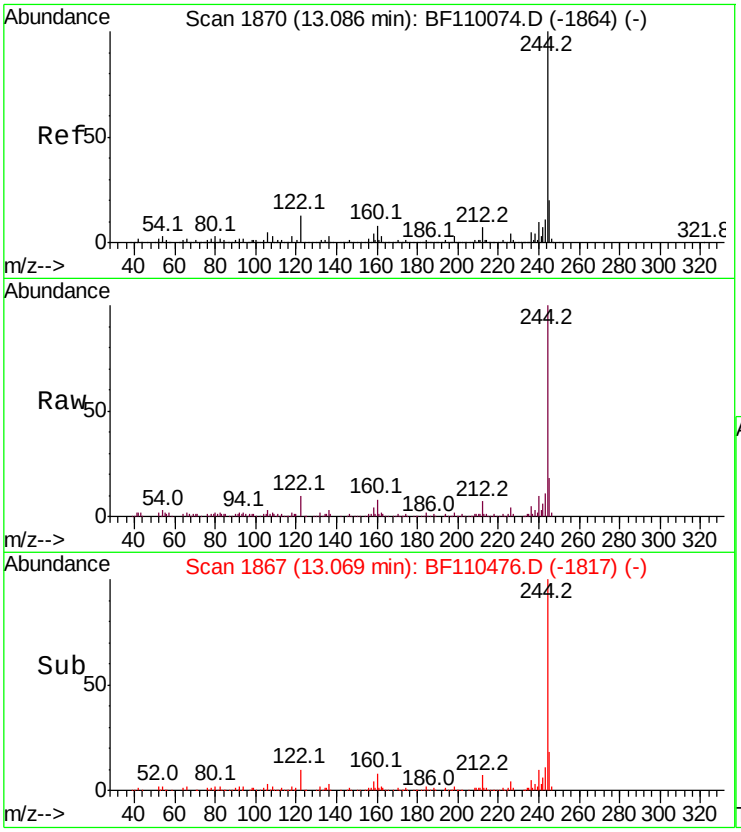


#78
Pyrene
Concen: 3.757 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:202 Resp: 48626

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.8	26.6
203	17.7	14.2	21.4

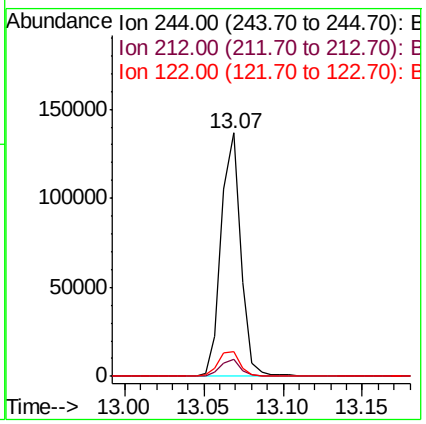




#79
Terphenyl-d14
Concen: 13.494 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:244 Resp: 117128

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	10.3	8.7	13.1



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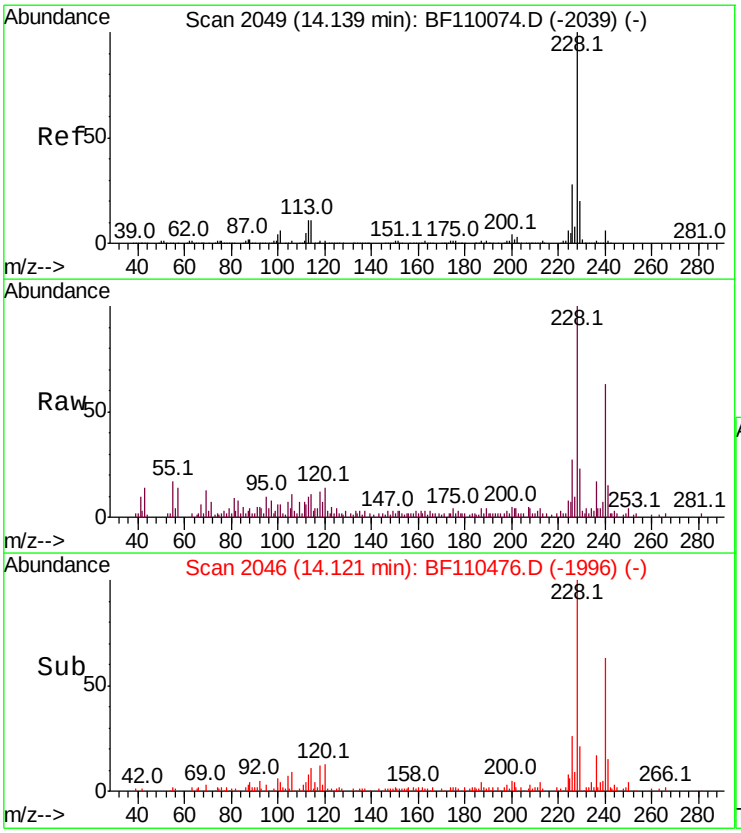
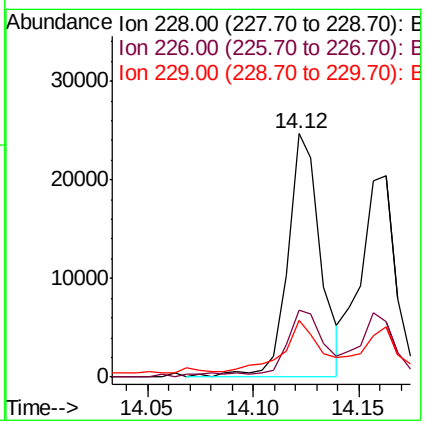
11/6/2018 9:01:18 AM

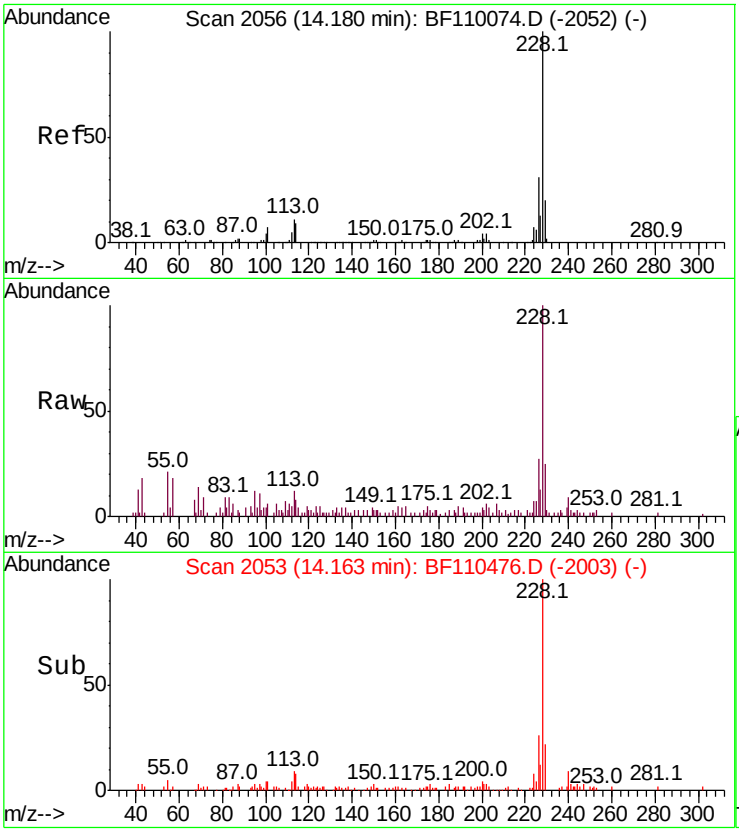


#81
Benzo(a)anthracene
Concen: 2.511 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:228 Resp: 26881

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	23.1	15.6	23.4

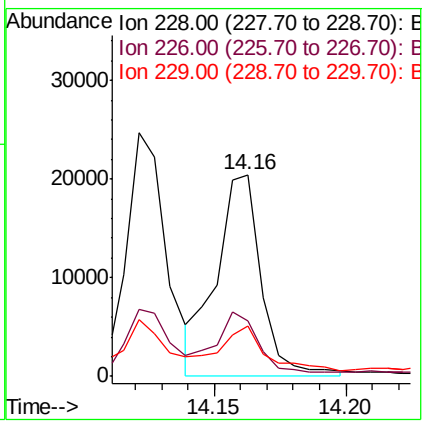




#83
Chrysene
Concen: 2.421 ng m
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

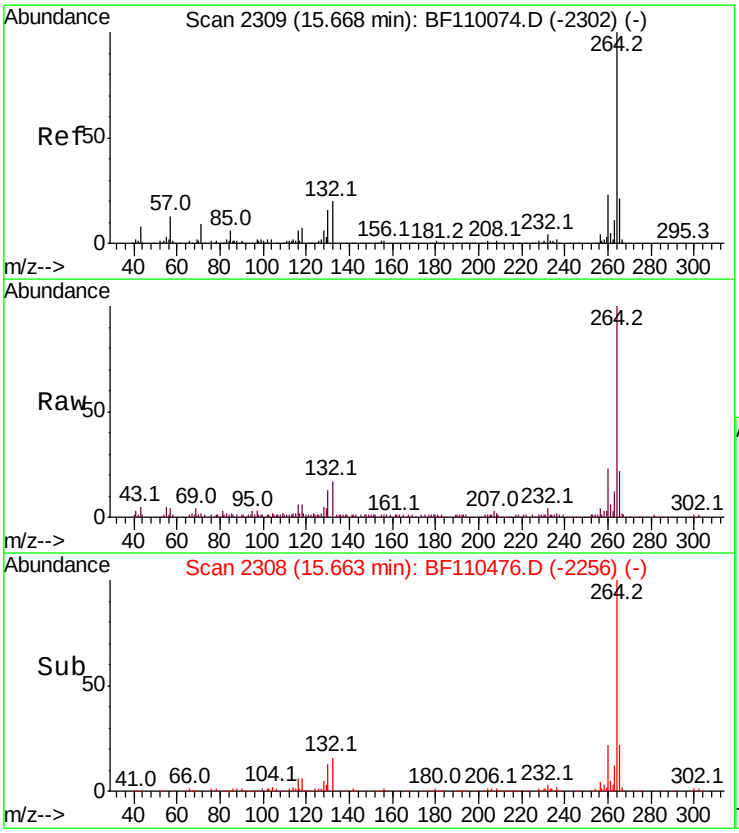
Tgt Ion:228 Resp: 24612

Ion	Ratio	Lower	Upper
228	100		
226	27.5	24.7	37.1
229	25.1	15.9	23.9#



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

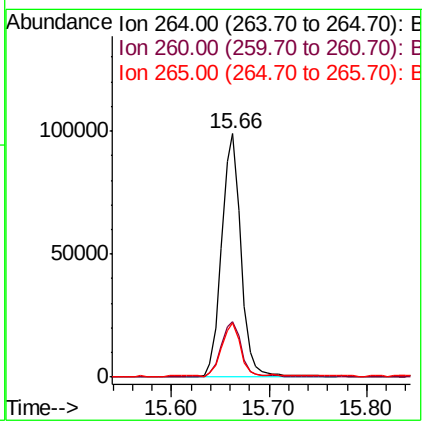
Manual Integrations APPROVED
Sohil
11/6/2018 9:01:18 AM

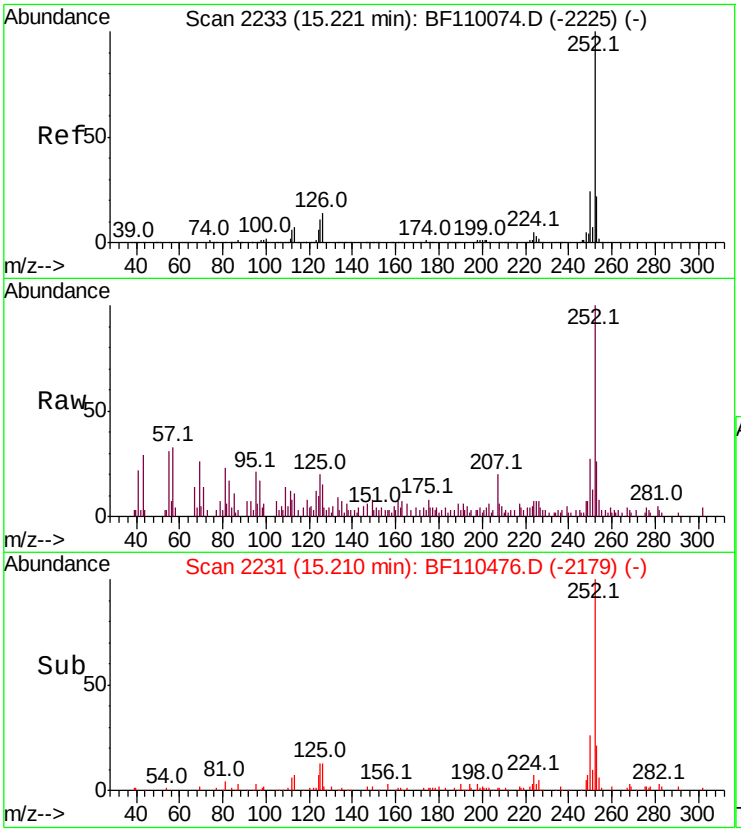


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:264 Resp: 136660

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.7	28.1
265	22.0	16.7	25.1





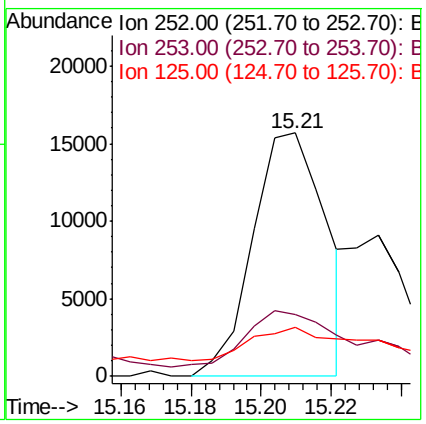
#88
Benzo(b)fluoranthene
Concen: 2.895 ng m
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

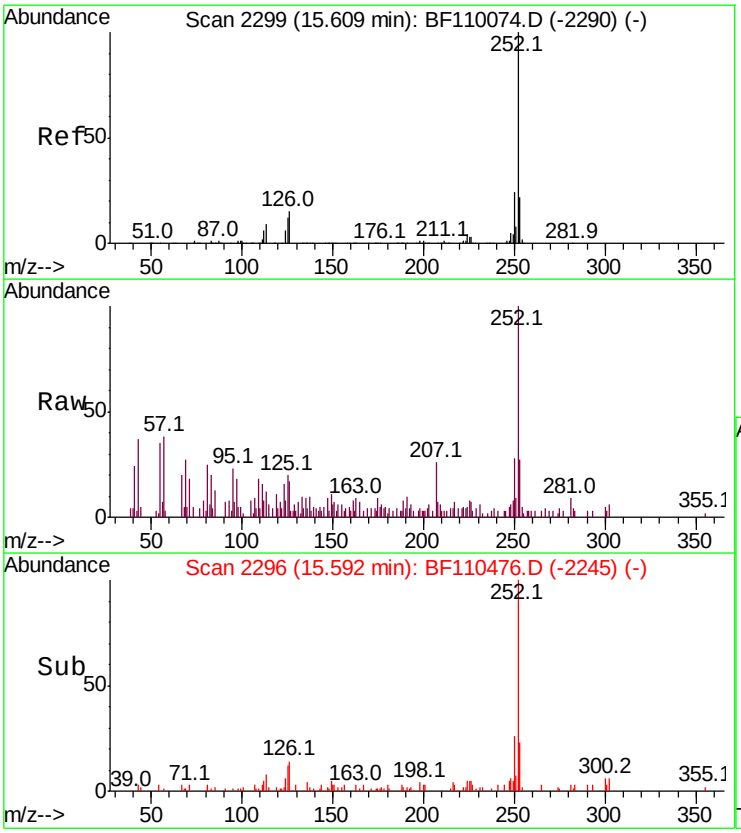
Tgt Ion:252 Resp: 22848

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.2	25.8
125	20.0	8.2	12.4#

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

Manual Integrations APPROVED
Sohil
11/6/2018 9:01:18 AM





#90
Benzo(a)pyrene
Concen: 2.397 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF110476.D
Acq: 5 Nov 2018 20:18

Tgt Ion:252 Resp: 17405

Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.2	27.4
125	20.5	9.0	13.6#