

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
 Data File : BF108891.D
 Acq On : 10 Sep 2018 14:29
 Operator : JU/SJ
 Sample : J4776-01 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-090718-A

Manual Integrations
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Sohil
 9/11/2018 12:01:30 PM

Quant Time: Sep 11 09:01:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	205991	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	749562	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	315276	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	530023	20.00	ng	0.00
75) Chrysene-d12	13.87	240	516743	20.00	ng	0.00
86) Perylene-d12	15.28	264	442560	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	582415	46.84	ng	0.00
7) Phenol-d6	6.37	99	722877	45.18	ng	0.00
23) Nitrobenzene-d5	7.29	82	435794	36.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	133501	44.36	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	776812	42.03	ng	0.00
78) Terphenyl-d14	12.83	244	642753	29.01	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.48	163	197709	8.966	ng	Qvalue 100
70) Phenanthrene	11.27	178	80064	3.163	ng	99
74) Fluoranthene	12.45	202	154433	6.162	ng	96
77) Pyrene	12.68	202	165824	4.170	ng	98
80) Benzo(a)anthracene	13.86	228	100040	3.020	ng	94
82) Chrysene	13.89	228	92605m	2.888	ng	
87) Benzo(b)fluoranthene	14.88	252	114448m	4.756	ng	
89) Benzo(a)pyrene	15.22	252	67537	3.110	ng	# 83

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

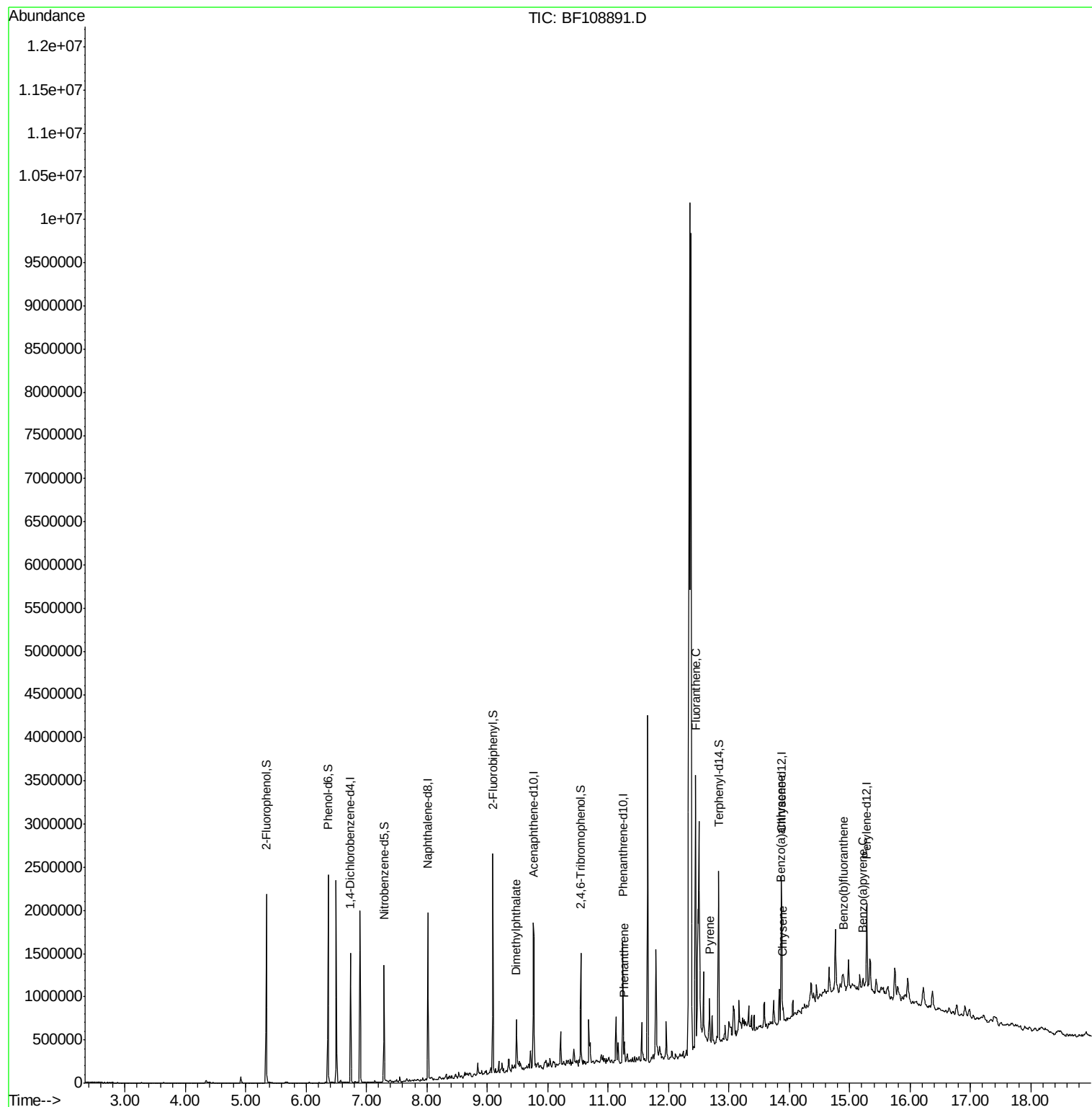
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
Data File : BF108891.D
Acq On : 10 Sep 2018 14:29
Operator : JU/SJ
Sample : J4776-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

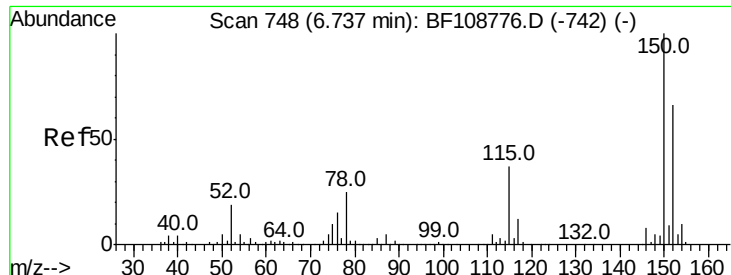
Instrument :
BNA_F
ClientSampleId :
EO-02-090718-A

Manual Integrations
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Quant Time: Sep 11 09:01:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 05 18:03:31 2018
Response via : Initial Calibration





#1

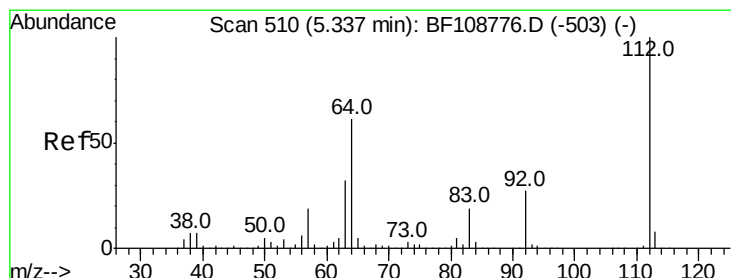
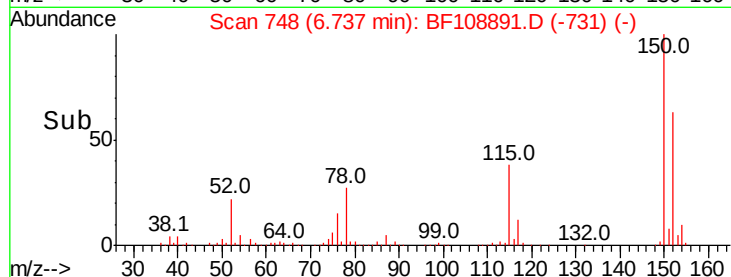
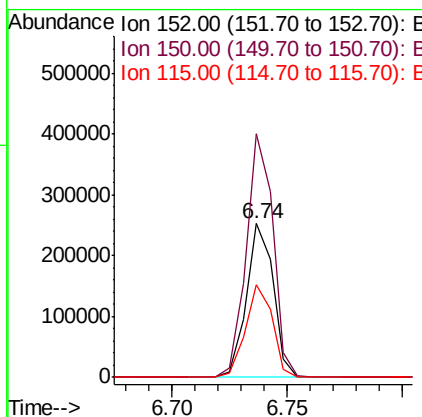
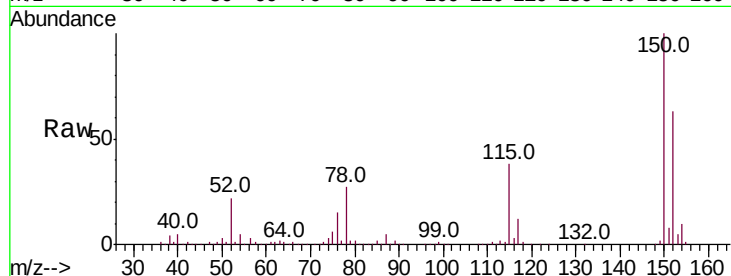
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF108891.D
Acq: 10 Sep 2018 14:29

Instrument :
BNA_F
ClientSampled :
EO-02-090718-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	60.2	50.1	75.1

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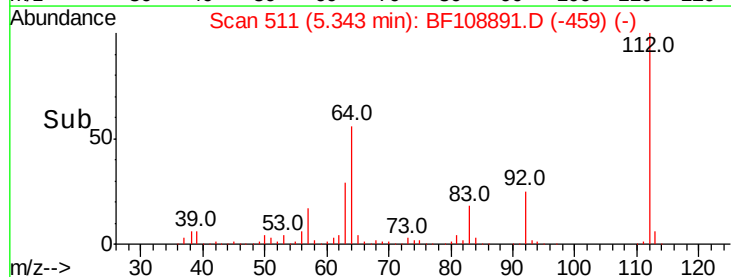
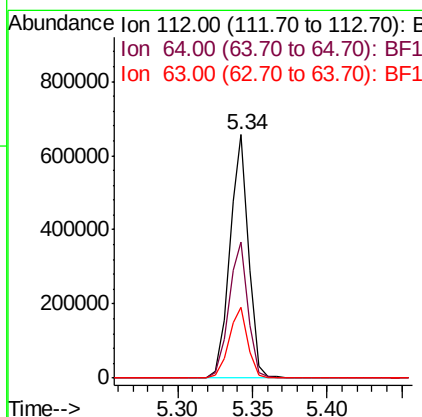
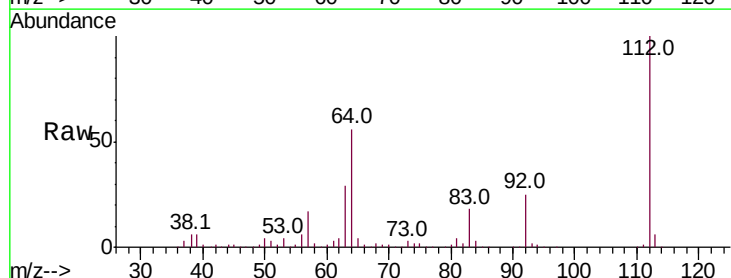
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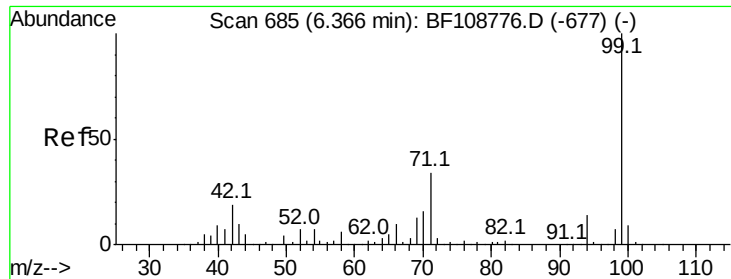


#5

2-Fluorophenol
Concen: 46.840 ng
RT: 5.34 min Scan# 511
Delta R.T. 0.01 min
Lab File: BF108891.D
Acq: 10 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.9	71.9
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 45.184 ng

RT: 6.37 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Instrument :

BNA_F

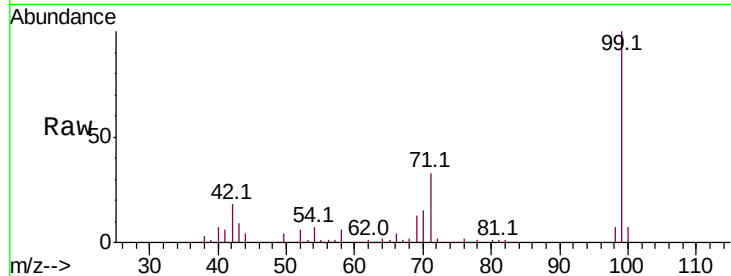
ClientSampleId :

EO-02-090718-A

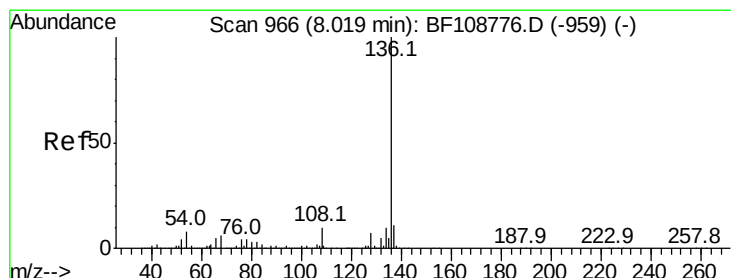
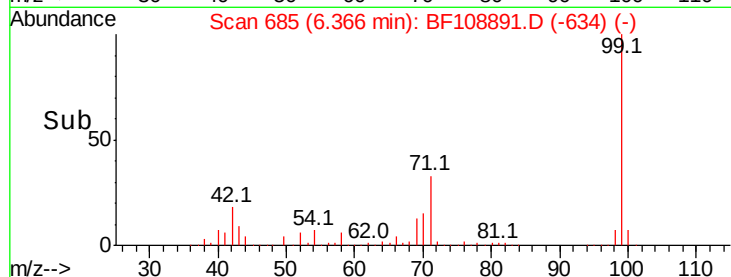
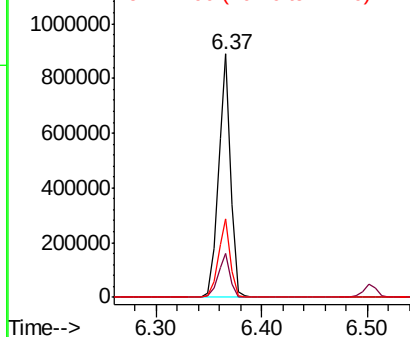
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		722877		
42	18.1	14.5	21.7		
71	32.5	25.4	38.0		

Manual Integrations
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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: 8.02 min Scan# 966

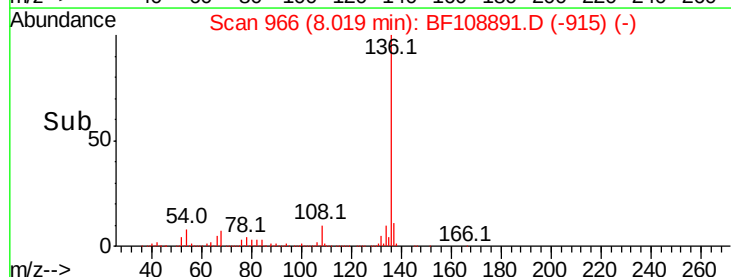
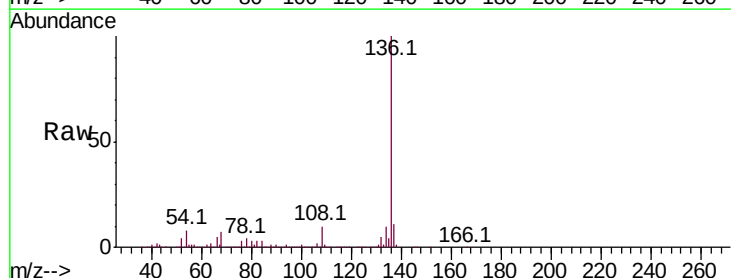
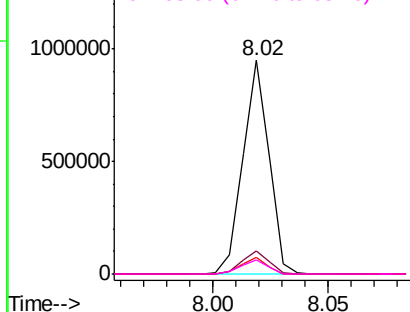
Delta R.T. 0.00 min

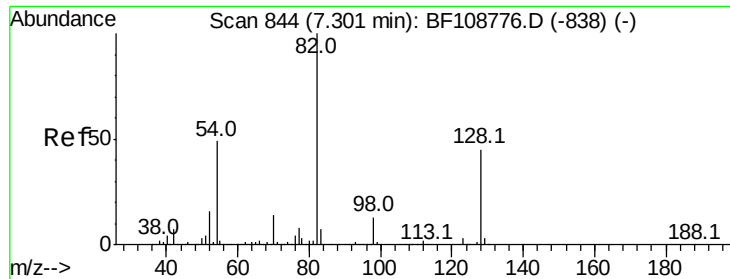
Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		749562		
137	11.0	8.9	13.3		
54	7.7	6.6	9.8		
68	6.8	5.0	7.4		

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





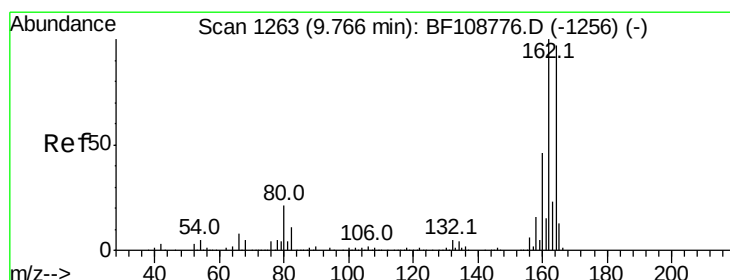
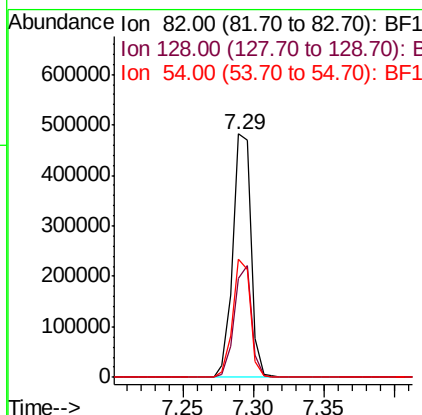
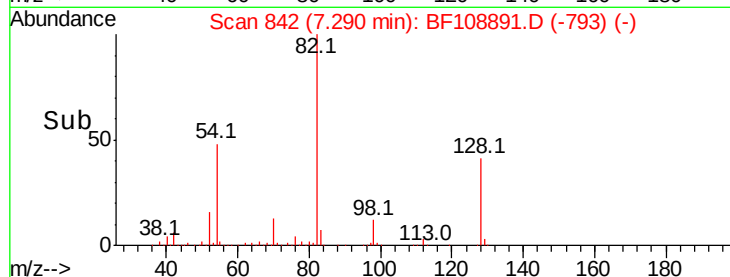
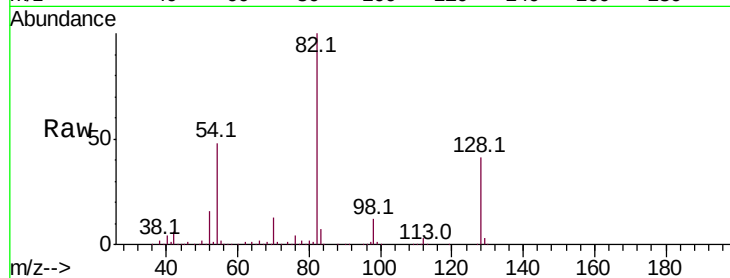
#23
 Nitrobenzene-d5
 Concen: 36.384 ng
 RT: 7.29 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF108891.D
 Acq: 10 Sep 2018 14:29

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-090718-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.5	36.1	54.1
54	48.3	41.4	62.2

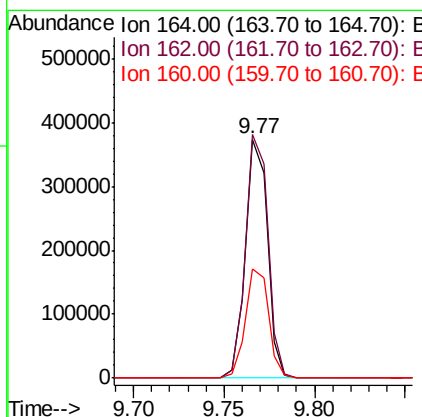
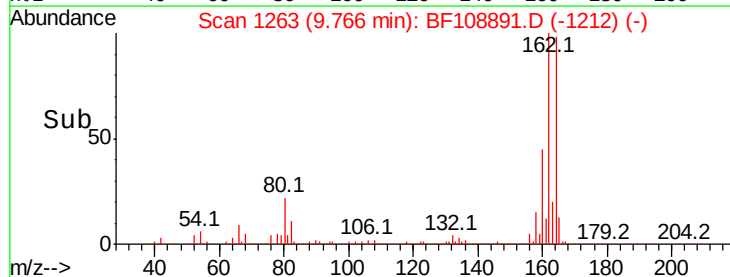
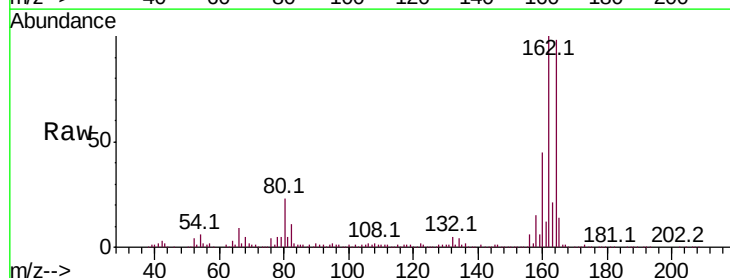
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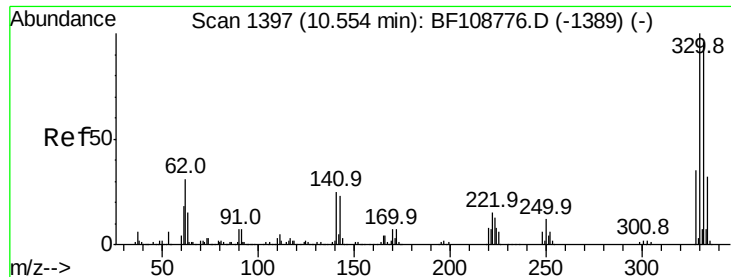
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: BF108891.D
 Acq: 10 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.1	129.1
160	45.9	38.3	57.5





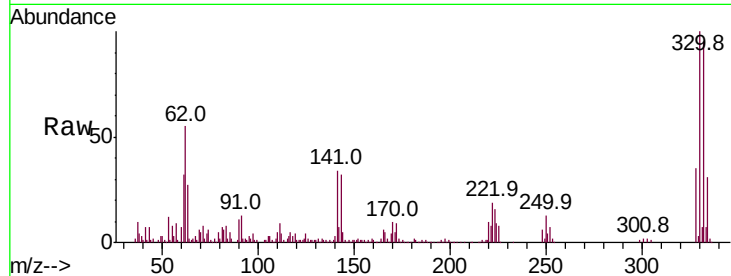
#41
 2,4,6-Tribromophenol
 Concen: 44.356 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108891.D
 Acq: 10 Sep 2018 14:29

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-090718-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	77.0	115.6	
141	31.9	29.9	44.9	

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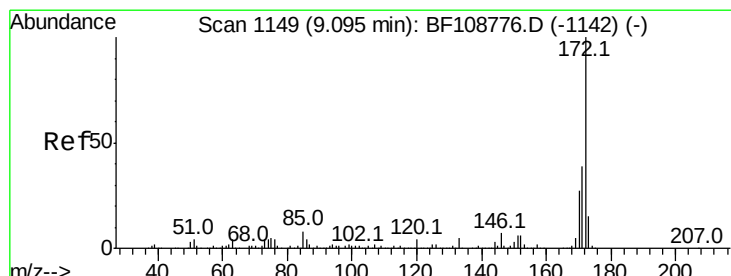
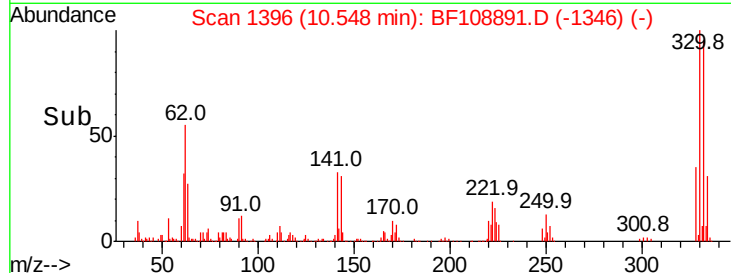
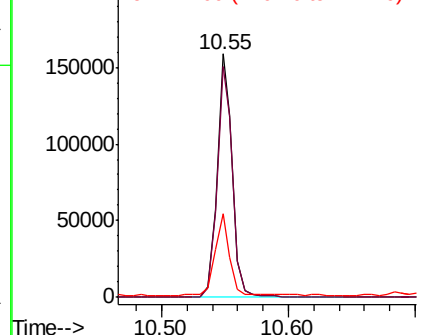


Abundance

Ion 329.80 (329.50 to 330.50): E

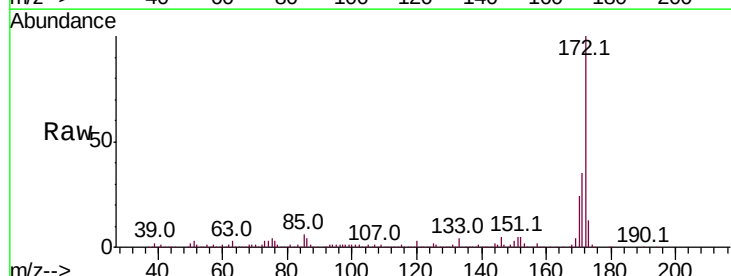
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 42.034 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: BF108891.D
 Acq: 10 Sep 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	29.7	44.5	
170	24.3	19.6	29.4	

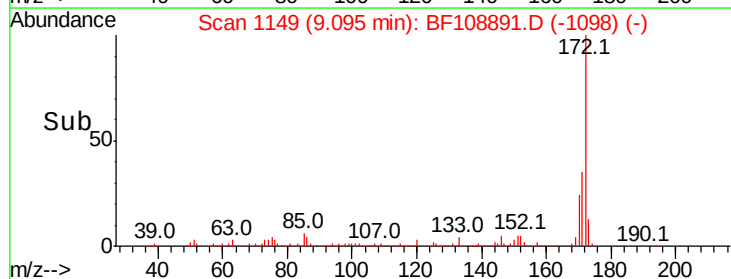
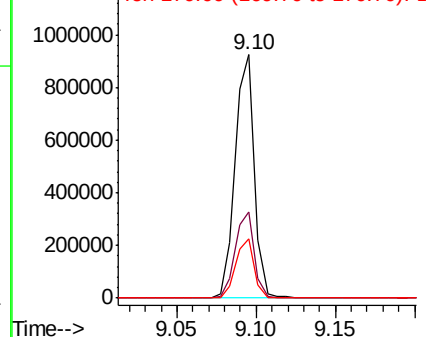


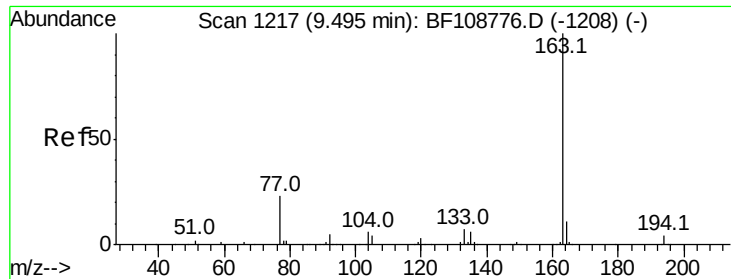
Abundance

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





#49

Dimethylphthalate

Concen: 8.966 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Instrument :

BNA_F

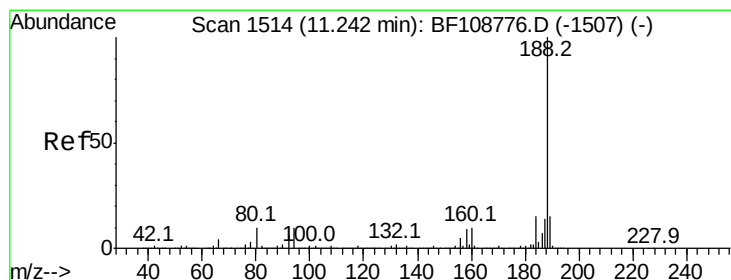
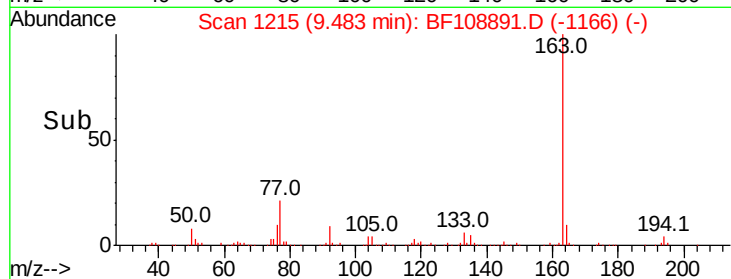
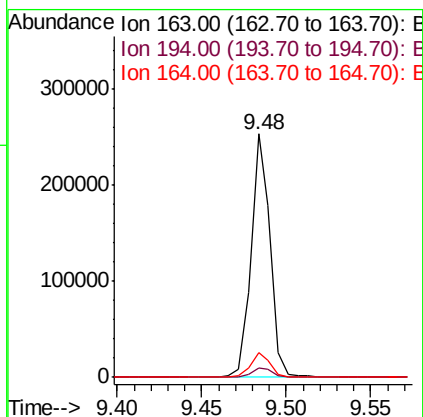
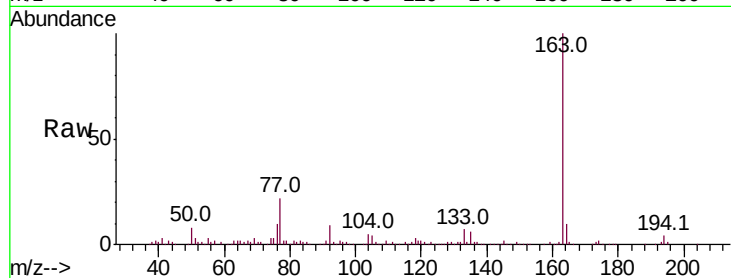
ClientSampleId :

EO-02-090718-A

Tot Ion:	163	Resp:	197709
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.7	4.1
164	10.2	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

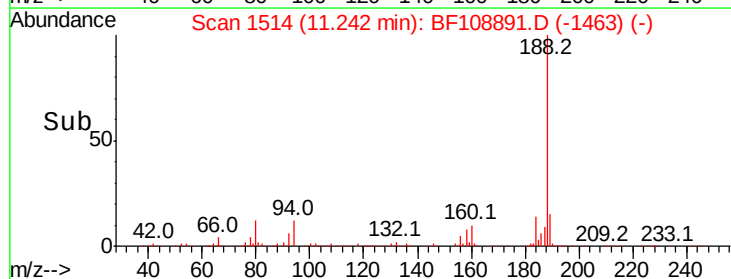
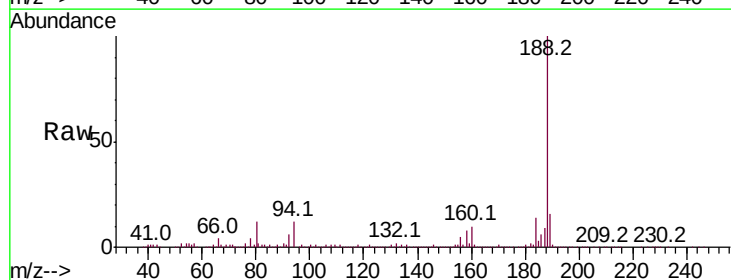
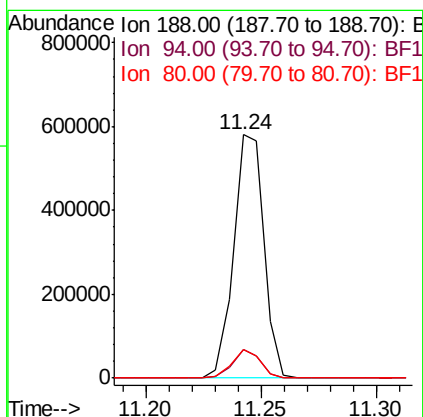
RT: 11.24 min Scan# 1514

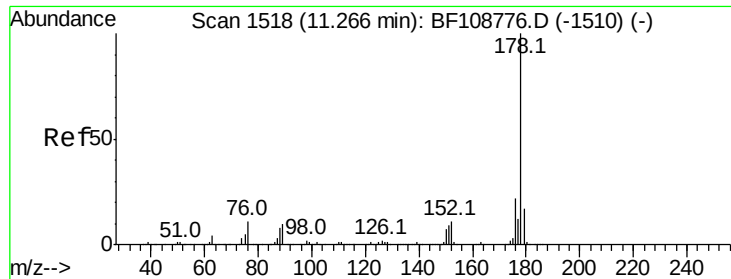
Delta R.T. 0.00 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Tgt Ion:	188	Resp:	530023
Ion Ratio	Lower	Upper	
188	100		
94	11.8	8.5	12.7
80	11.9	9.2	13.8





#70

Phenanthrene

Concen: 3.163 ng

RT: 11.27 min Scan# 1518

Delta R.T. 0.00 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Instrument :

BNA_F

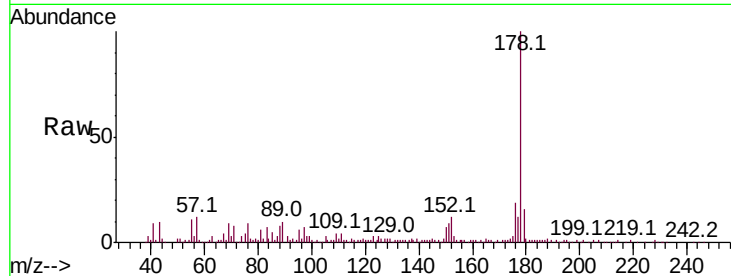
ClientSampleId :

EO-02-090718-A

Tot Ion:	178	Resp:	80064
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.8
179	16.4	13.0	19.6

Manual Integrations
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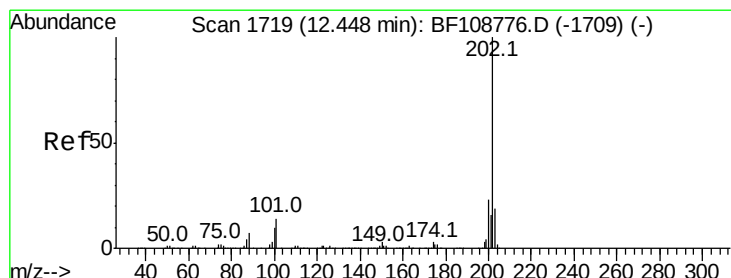
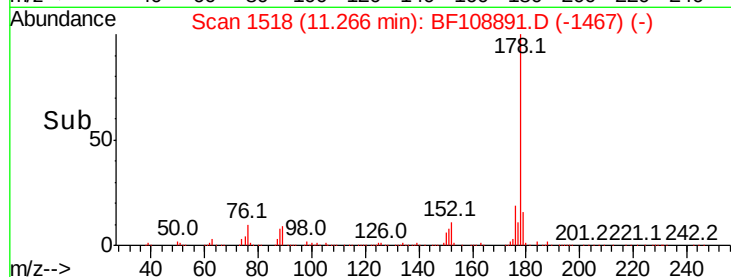
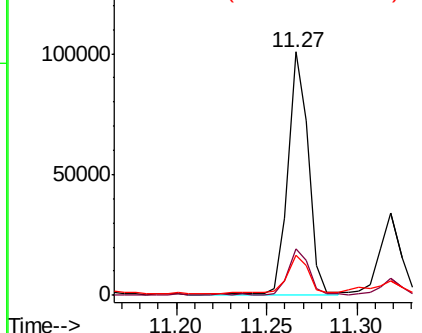
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.162 ng

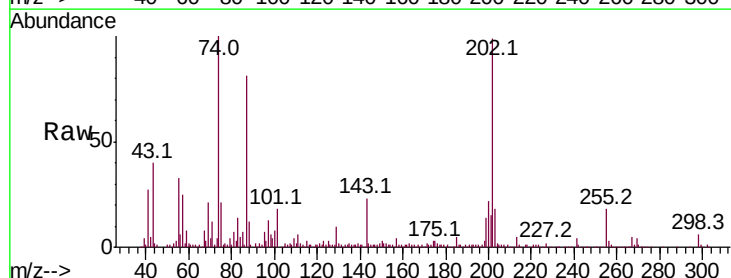
RT: 12.45 min Scan# 1720

Delta R.T. 0.01 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

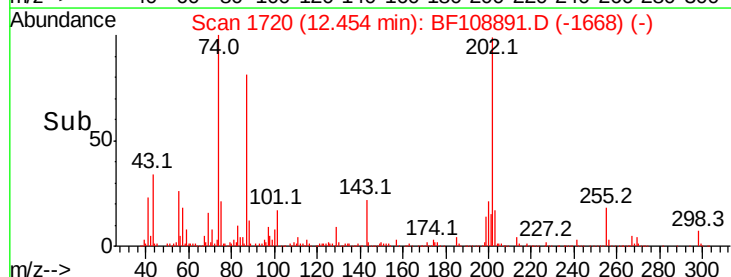
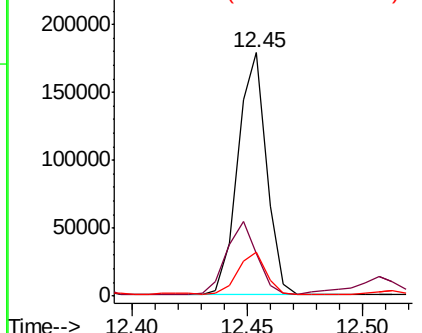
Tgt Ion:	202	Resp:	154433
Ion Ratio	Lower	Upper	
202	100		
101	17.7	0.0	34.1
203	18.0	0.0	38.1

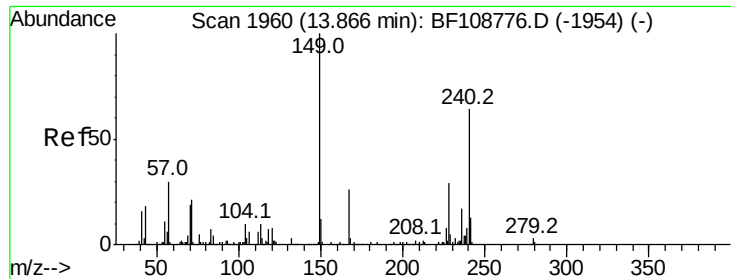


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





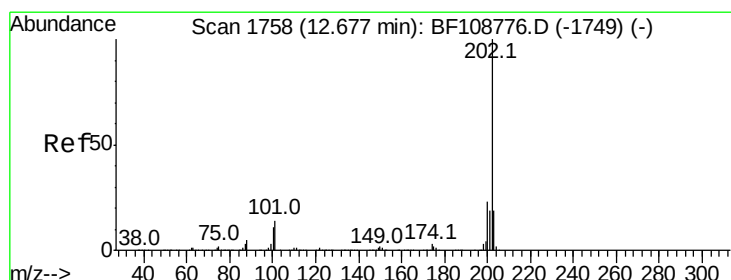
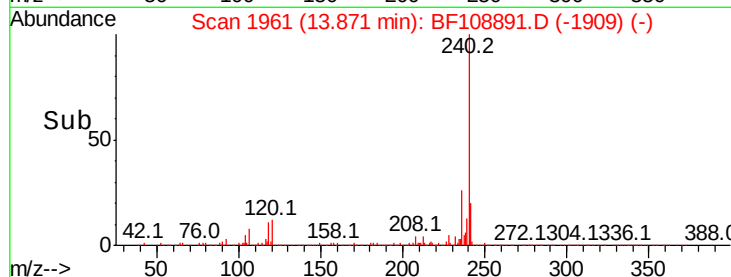
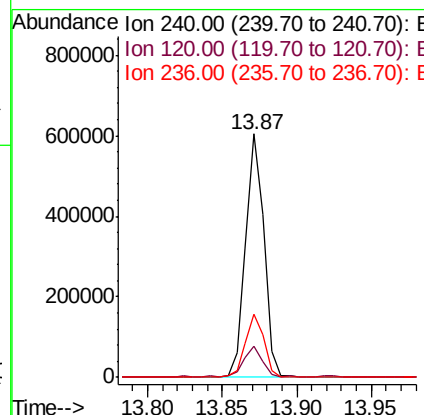
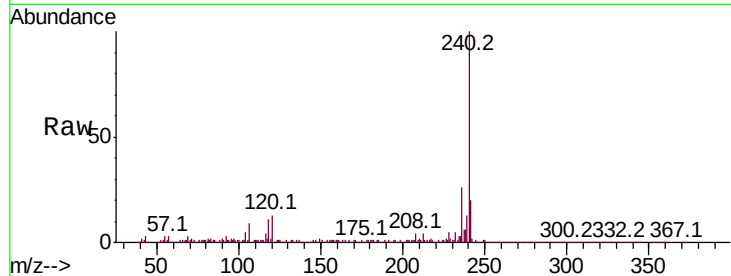
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 1961
Delta R.T. 0.01 min
Lab File: BF108891.D
Acq: 10 Sep 2018 14:29

Instrument :
BNA_F
ClientSampleId :
EO-02-090718-A

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.8	9.5	14.3	
236	26.0	20.7	31.1	

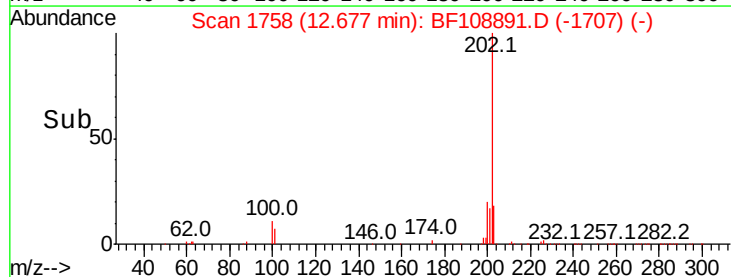
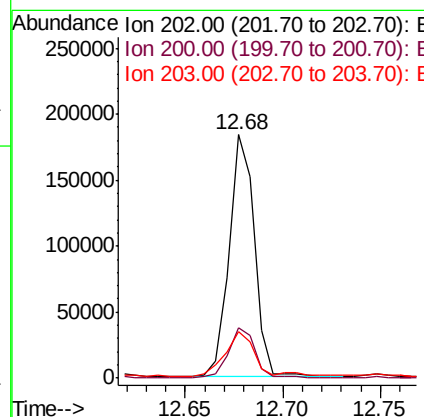
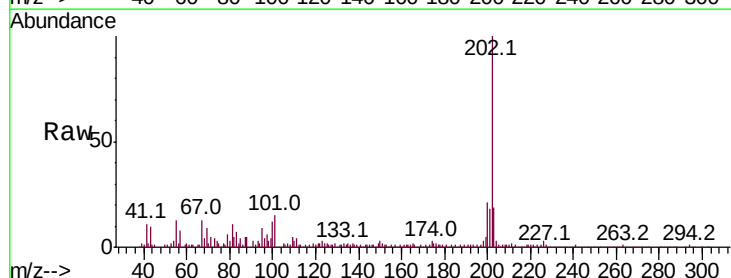
Manual Integrations
APPROVED

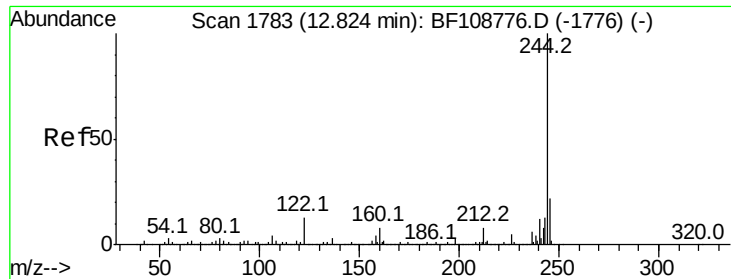
Sohil
9/11/2018 12:01:30 PM



#77
Pyrene
Concen: 4.170 ng
RT: 12.68 min Scan# 1758
Delta R.T. 0.00 min
Lab File: BF108891.D
Acq: 10 Sep 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	17.4	26.2	
203	18.9	14.3	21.5	





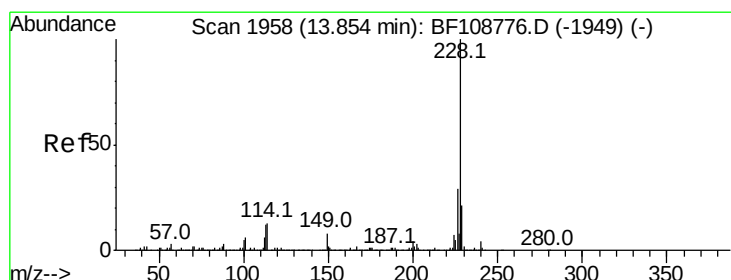
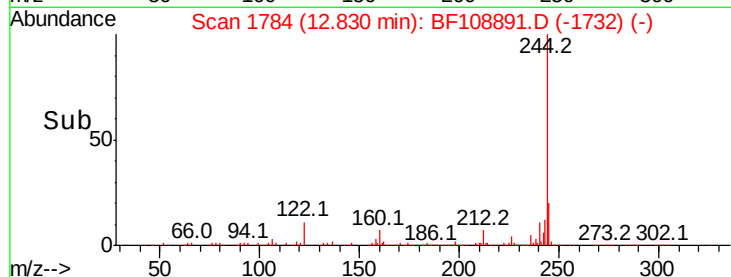
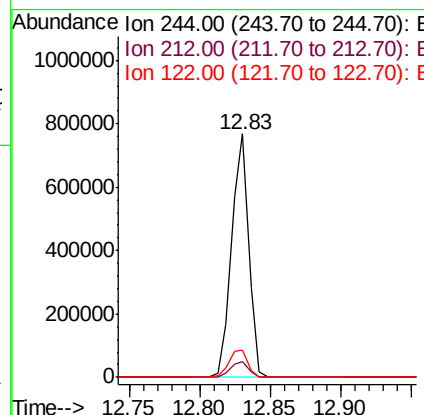
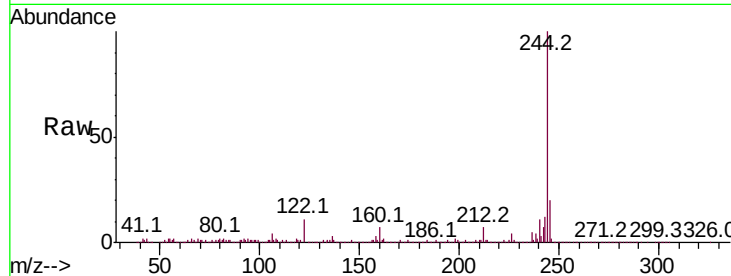
#78
 Terphenyl-d14
 Concen: 29.005 ng
 RT: 12.83 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BF108891.D
 Acq: 10 Sep 2018 14:29

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-090718-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.2	11.0	16.4

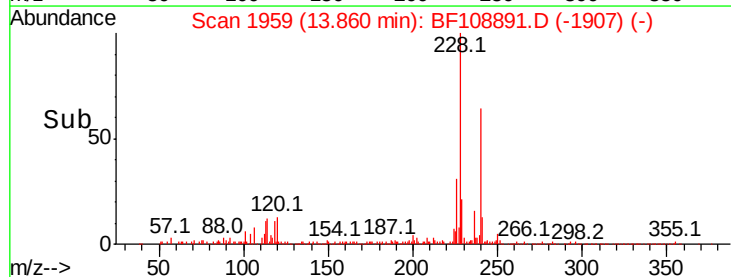
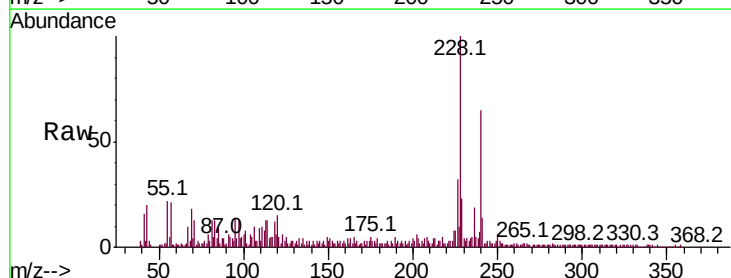
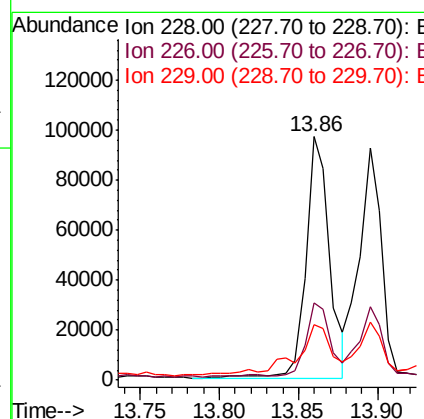
Manual Integrations
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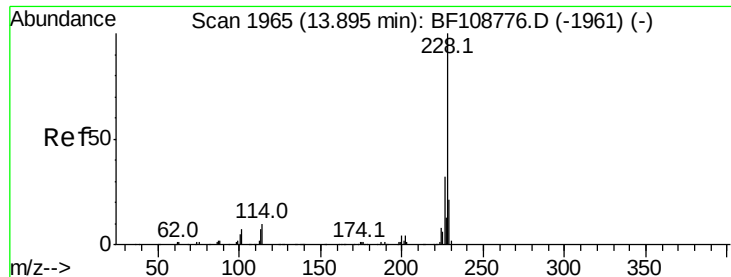
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#80
 Benzo(a)anthracene
 Concen: 3.020 ng
 RT: 13.86 min Scan# 1959
 Delta R.T. 0.01 min
 Lab File: BF108891.D
 Acq: 10 Sep 2018 14:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.6	33.8
229	22.6	15.8	23.6





#82

Chrysene

Concen: 2.888 ng/mL

RT: 13.89 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Instrument :

BNA_F

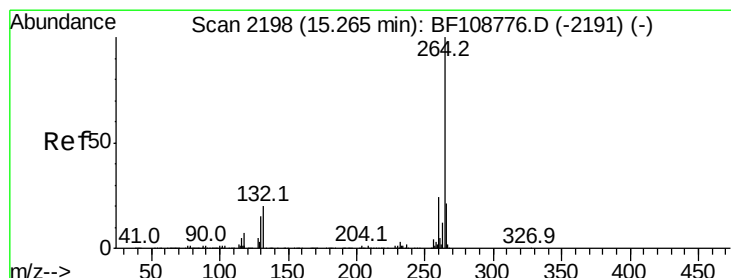
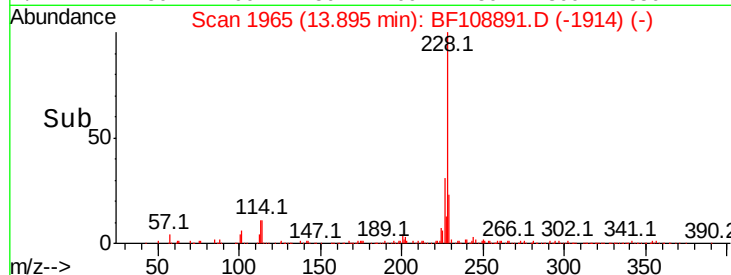
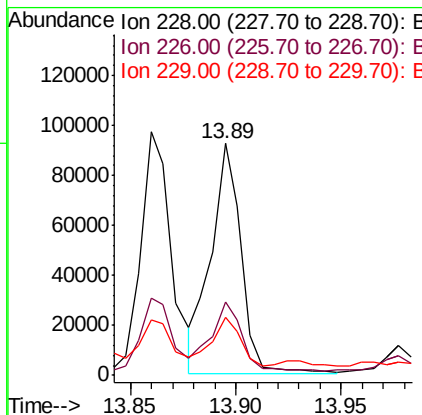
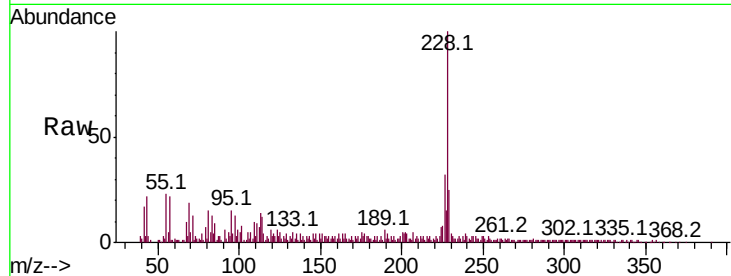
ClientSampleId :

EO-02-090718-A

Tot Ion:	228	Resp:	92605
Ion Ratio	Lower	Upper	
228	100		
226	31.7	25.0	37.6
229	25.0	16.2	24.4

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#86

Perylene-d12

Concen: 20.000 ng/mL

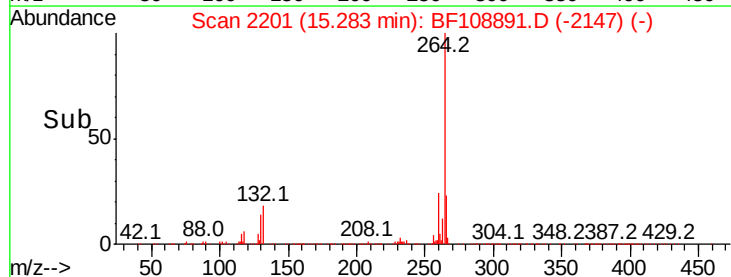
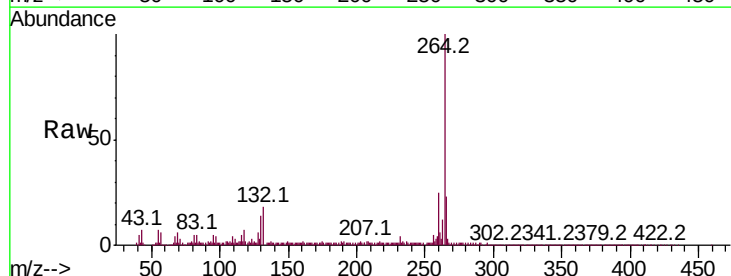
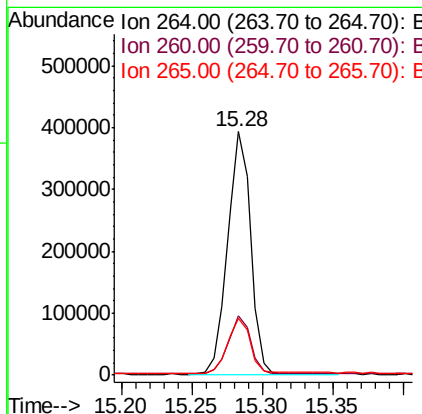
RT: 15.28 min Scan# 2201

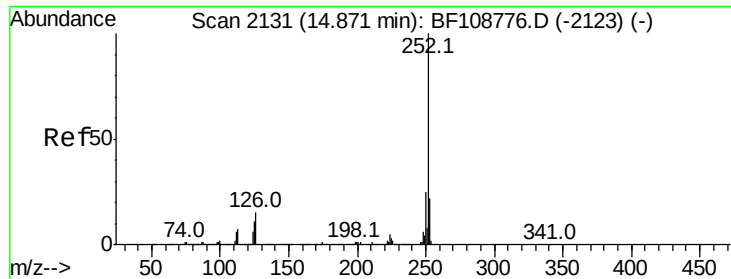
Delta R.T. 0.02 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Tgt Ion:	264	Resp:	442560
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	23.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 4.756 ng/mL

RT: 14.88 min Scan# 2133

Delta R.T. 0.01 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Instrument :

BNA_F

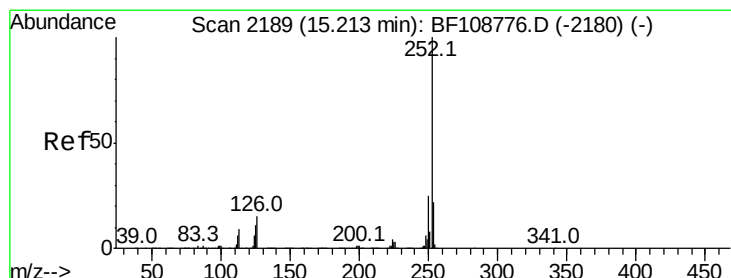
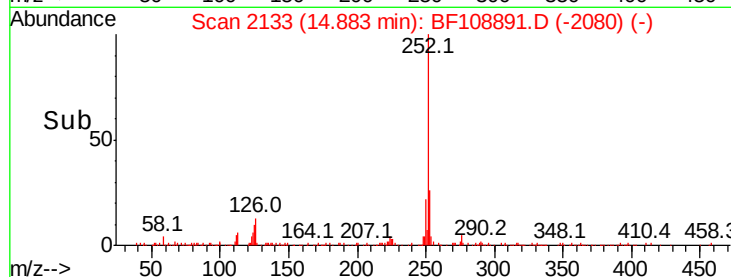
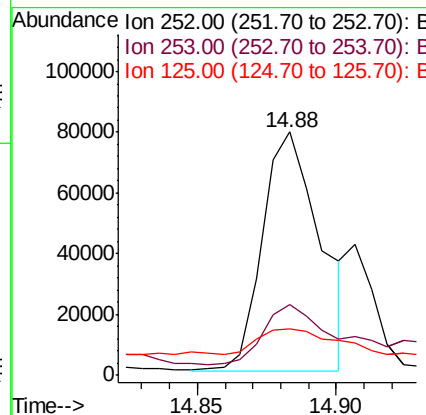
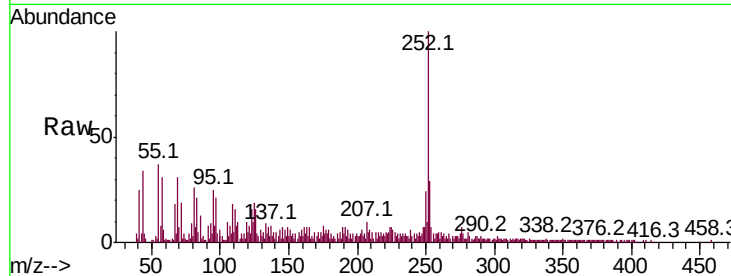
ClientSampleID :

EO-02-090718-A

Tot Ion:	252	Resp:	114448
Ion Ratio	Lower	Upper	
252	100		
253	29.1	17.0	25.6#
125	19.0	9.0	13.6#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 3.110 ng/mL

RT: 15.22 min Scan# 2191

Delta R.T. 0.01 min

Lab File: BF108891.D

Acq: 10 Sep 2018 14:29

Tgt Ion:	252	Resp:	67537
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.1	25.7#
125	21.9	9.8	14.6#

