

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
 Data File : BF108892.D
 Acq On : 10 Sep 2018 14:56
 Operator : JU/SJ
 Sample : J4776-03 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
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 9/11/2018 12:01:32 PM

Quant Time: Sep 11 09:14:37 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	212640	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	794104	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	344450	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	540285	20.00	ng	0.00
75) Chrysene-d12	13.87	240	509122	20.00	ng	0.00
86) Perylene-d12	15.28	264	445817	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	256246	19.96	ng	0.00
7) Phenol-d6	6.36	99	329550	19.95	ng	0.00
23) Nitrobenzene-d5	7.29	82	190415	15.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	57142	17.38	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	368298	18.24	ng	0.00
78) Terphenyl-d14	12.83	244	272243	12.47	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.48	163	84770	3.519	ng	Qvalue # 98
70) Phenanthrene	11.27	178	126111	4.888	ng	99
71) Anthracene	11.32	178	50512	2.045	ng	98
74) Fluoranthene	12.45	202	188464	7.378	ng	97
77) Pyrene	12.68	202	249317	6.364	ng	100
80) Benzo(a)anthracene	13.87	228	125871	3.857	ng	93
82) Chrysene	13.90	228	129477	4.099	ng	97
87) Benzo(b)fluoranthene	14.88	252	147480m	6.084	ng	
88) Benzo(k)fluoranthene	14.91	252	44649m	2.000	ng	
89) Benzo(a)pyrene	15.22	252	108796	4.974	ng	# 93
91) Benzo(g,h,i)perylene	17.05	276	50221	2.602	ng	# 92

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



#1

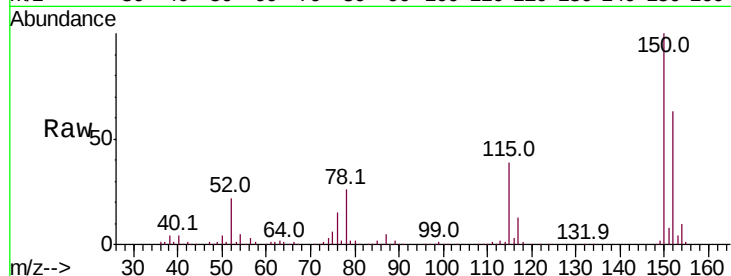
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	61.8	50.1	75.1

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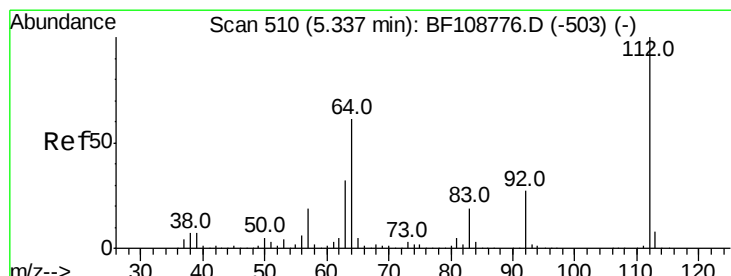
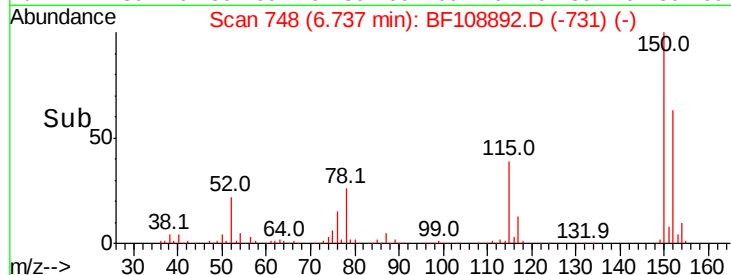
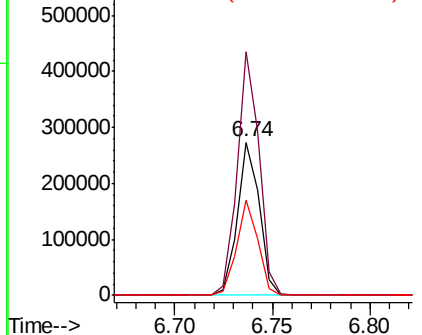


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

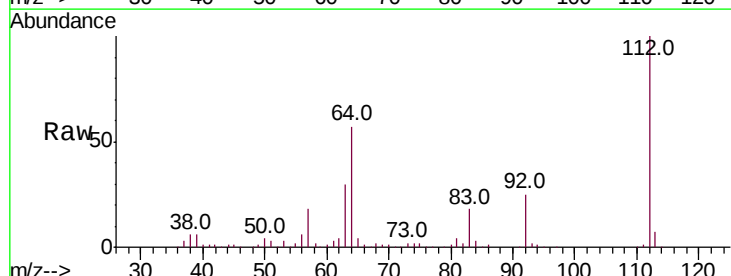
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.964 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.9	71.9
63	29.6	23.7	35.5

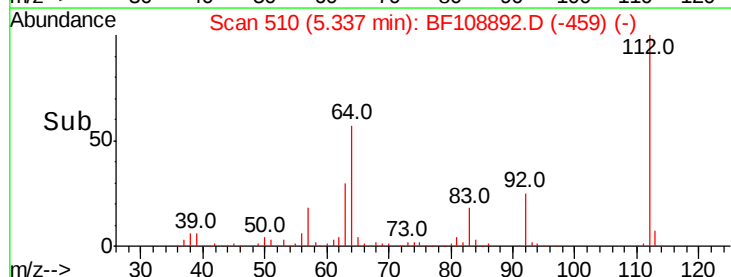
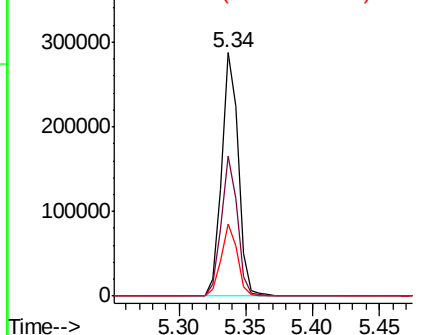


Abundance

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: 19.955 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF108892.D

Acq: 10 Sep 2018 14:56

Instrument :

BNA_F

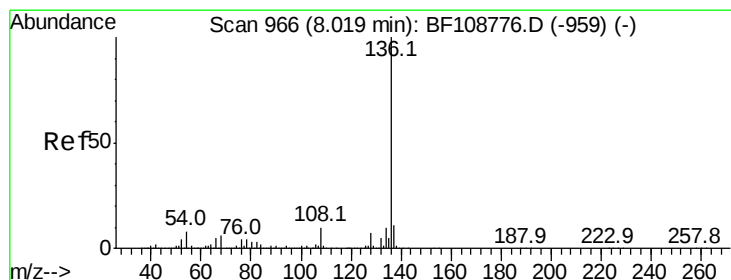
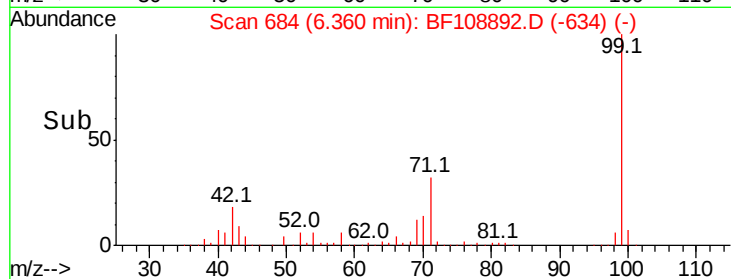
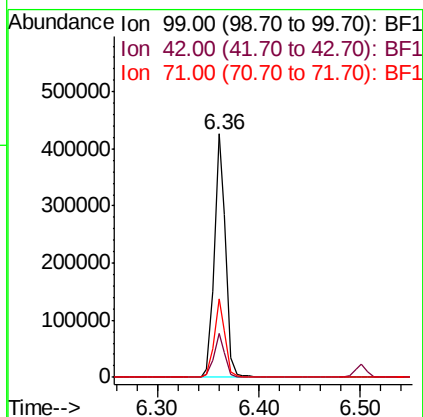
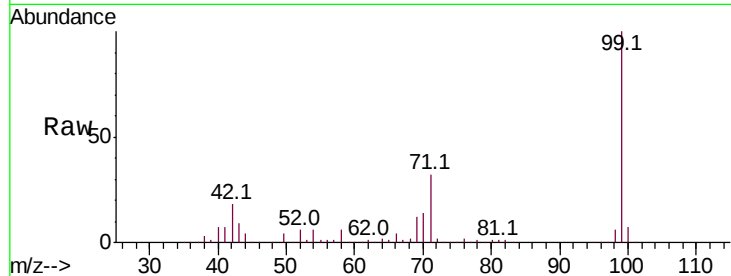
ClientSampleId :

EO-02-090718-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		329550		
42	18.1	14.5	21.7		
71	32.4	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

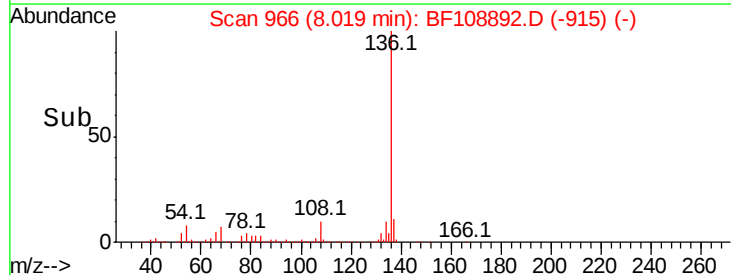
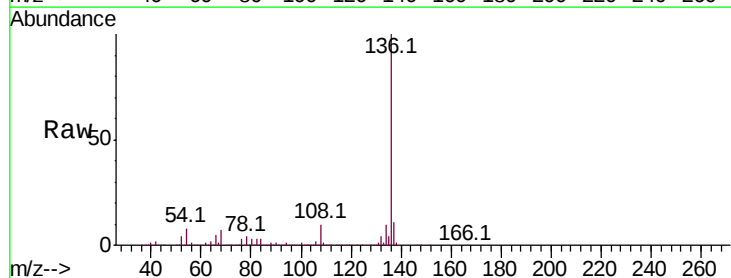
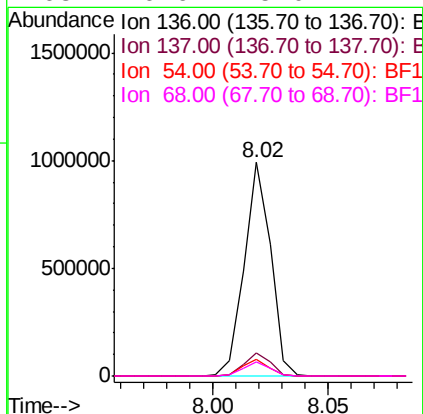
RT: 8.02 min Scan# 966

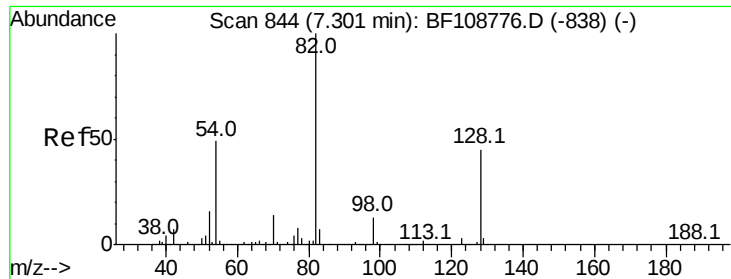
Delta R.T. -0.00 min

Lab File: BF108892.D

Acq: 10 Sep 2018 14:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		794104		
137	10.9	8.9	13.3		
54	7.8	6.6	9.8		
68	6.6	5.0	7.4		





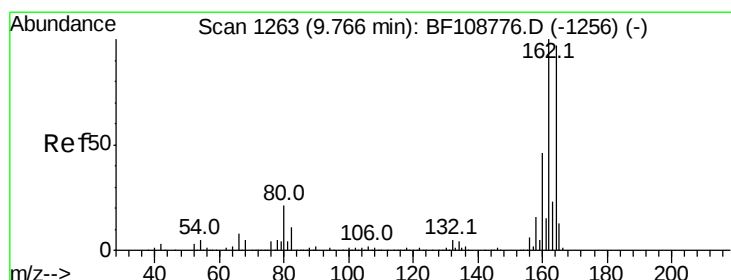
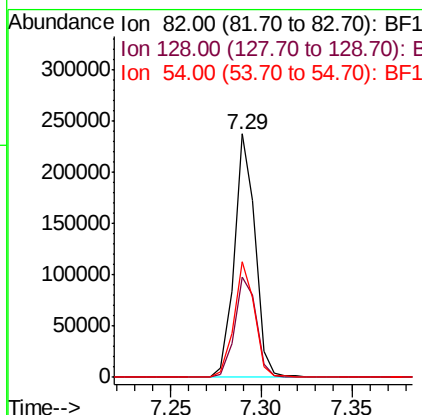
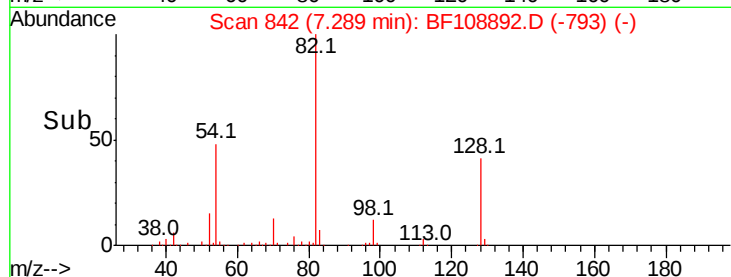
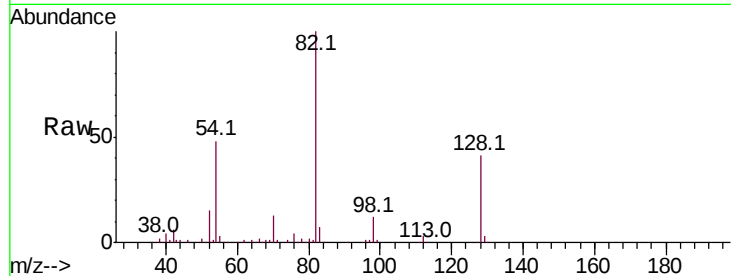
#23
 Nitrobenzene-d5
 Concen: 15.006 ng
 RT: 7.29 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF108892.D
 Acq: 10 Sep 2018 14:56

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100	190415		
128	41.4	36.1	54.1	
54	47.6	41.4	62.2	

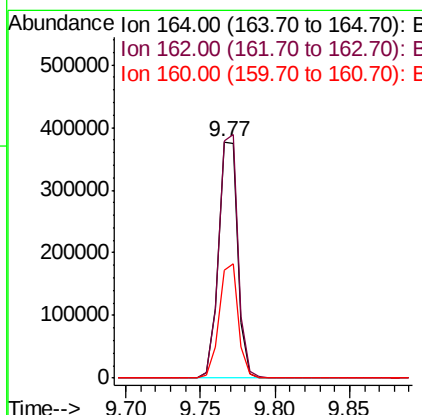
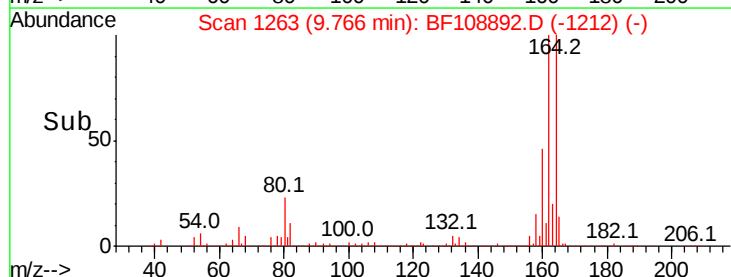
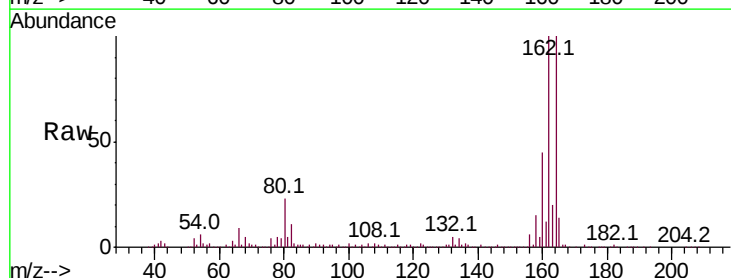
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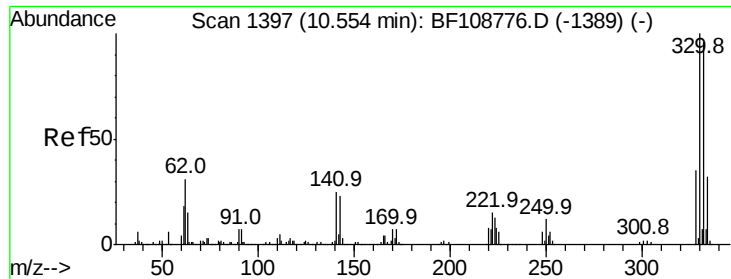
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108892.D
 Acq: 10 Sep 2018 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	344450		
162	100.1	86.1	129.1	
160	45.5	38.3	57.5	





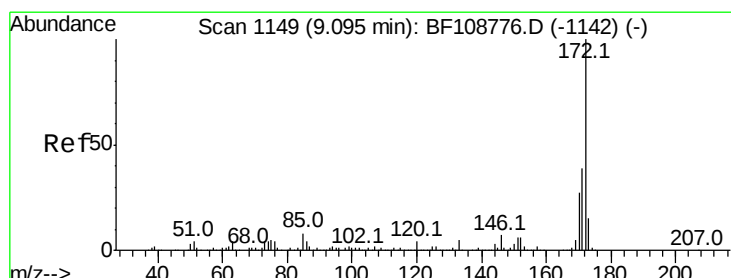
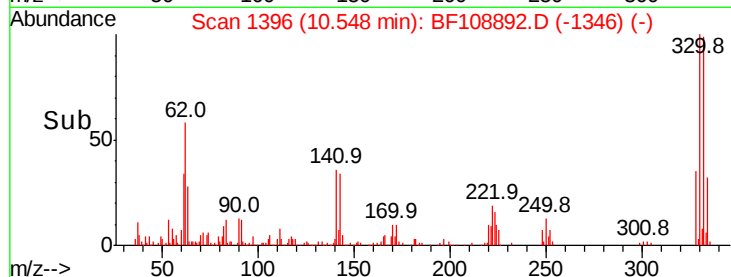
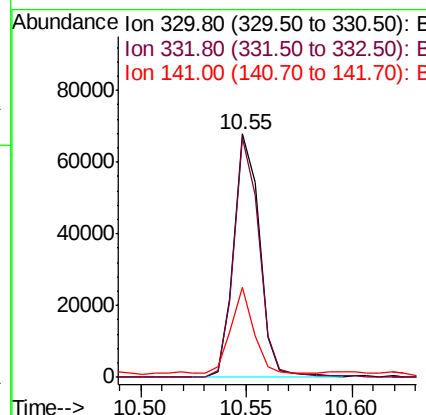
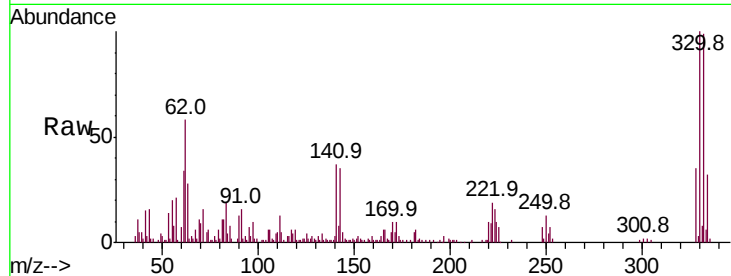
#41
 2,4,6-Tribromophenol
 Concen: 17.377 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108892.D
 Acq: 10 Sep 2018 14:56

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	35.1	29.9	44.9

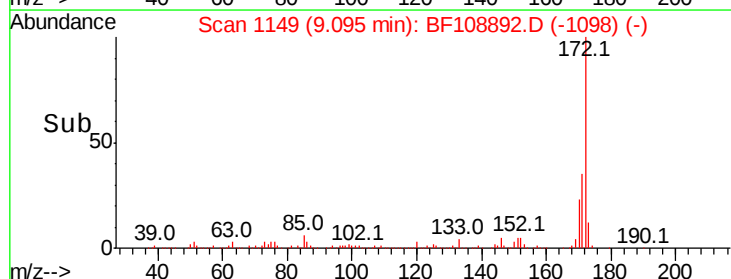
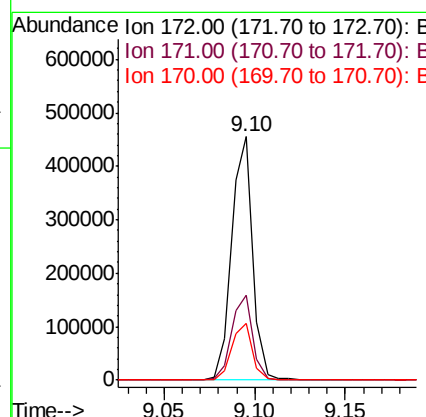
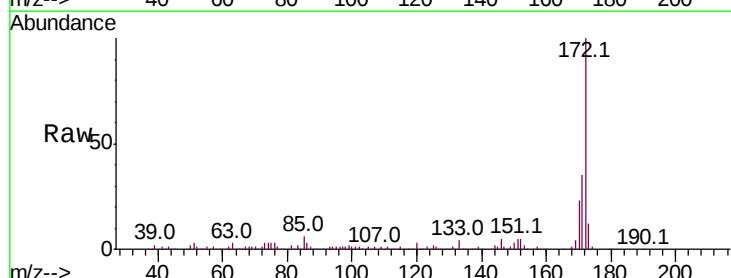
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#44
 2-Fluorobiphenyl
 Concen: 18.241 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BF108892.D
 Acq: 10 Sep 2018 14:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	23.2	19.6	29.4





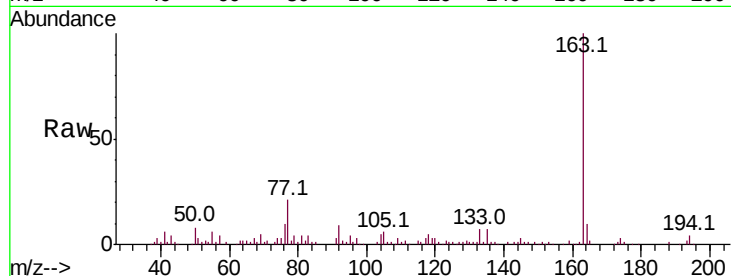
#49
Dimethylphthalate
Concen: 3.519 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	84770		
194	4.3		2.7	4.1#
164	9.8		8.2	12.2

Manual Integrations
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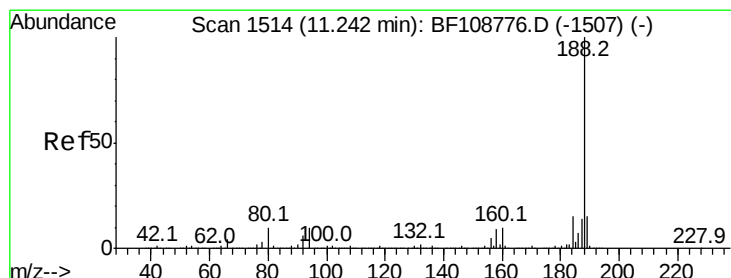
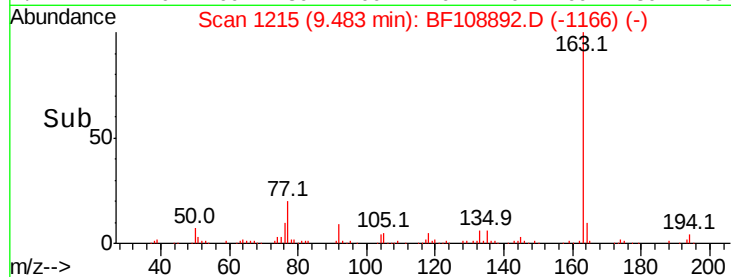
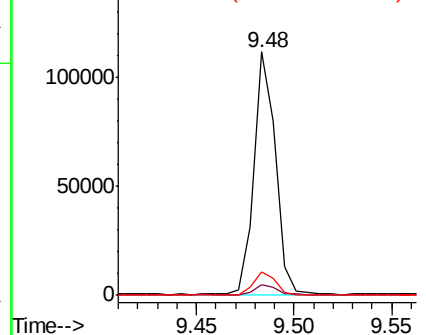


Abundance

Ion 163.00 (162.70 to 163.70): E

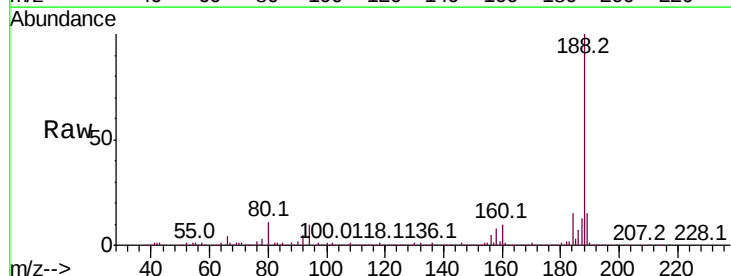
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1515
Delta R.T. 0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	540285		
94	9.8		8.5	12.7
80	10.8		9.2	13.8

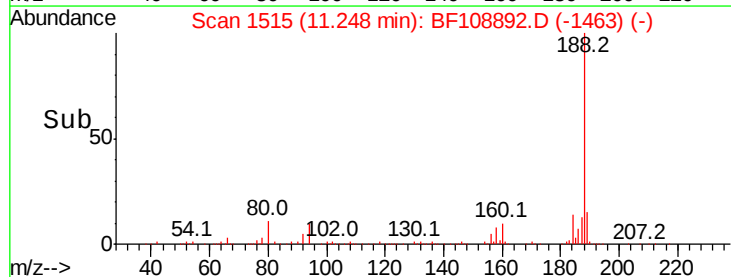
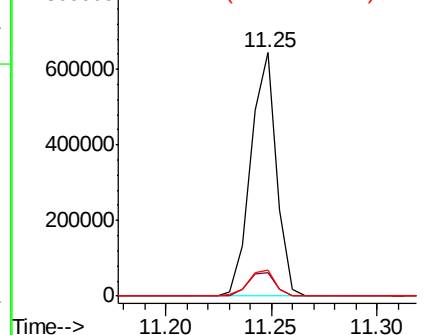


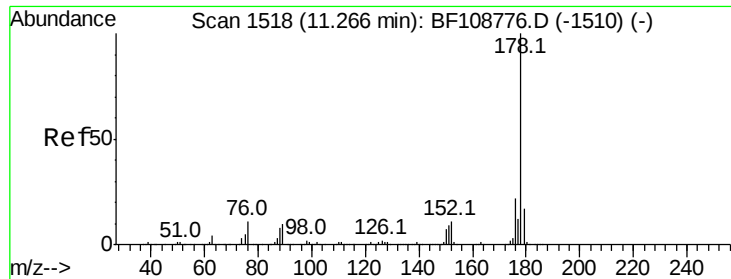
Abundance

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





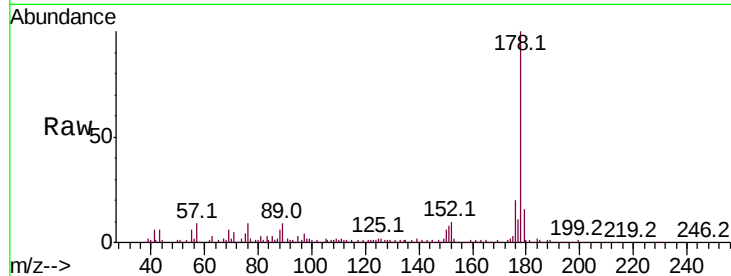
#70
Phenanthrene
Concen: 4.888 ng
RT: 11.27 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

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

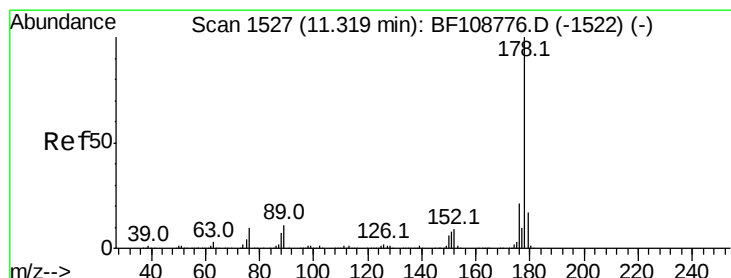
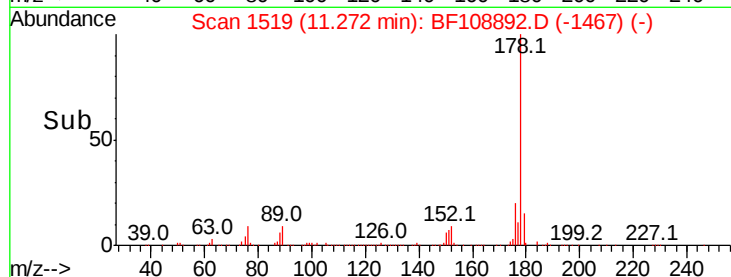
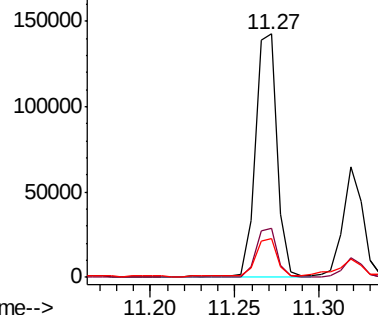
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.7	13.0	19.6

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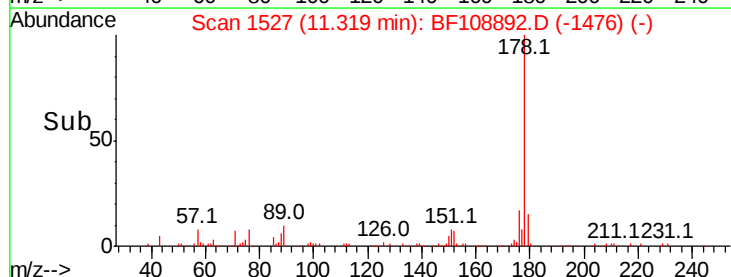
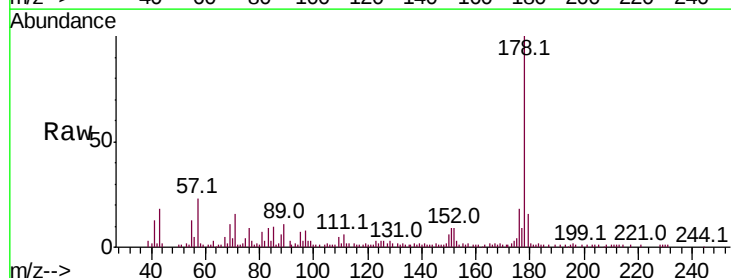
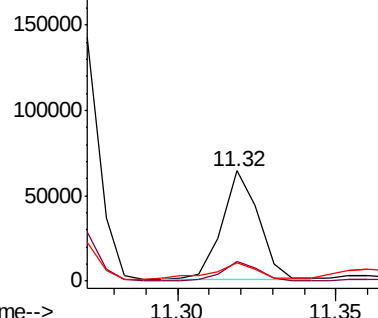
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

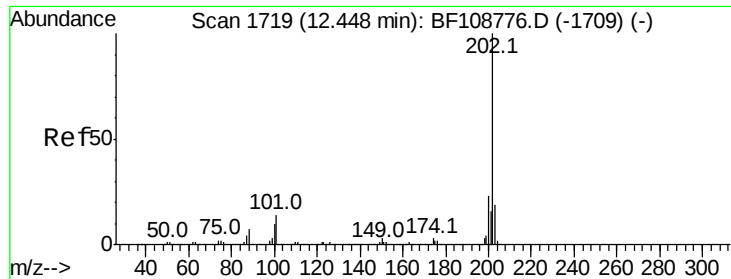


#71
Anthracene
Concen: 2.045 ng
RT: 11.32 min Scan# 1527
Delta R.T. -0.00 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	16.2	12.6	19.0

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: 7.378 ng

RT: 12.45 min Scan# 1720

Delta R.T. 0.01 min

Lab File: BF108892.D

Acq: 10 Sep 2018 14:56

Instrument :

BNA_F

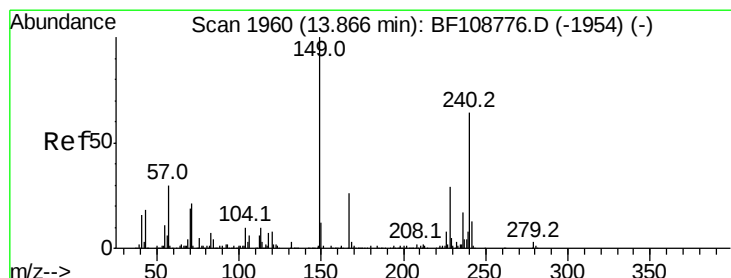
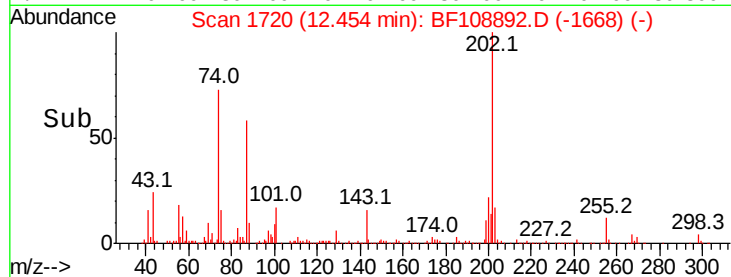
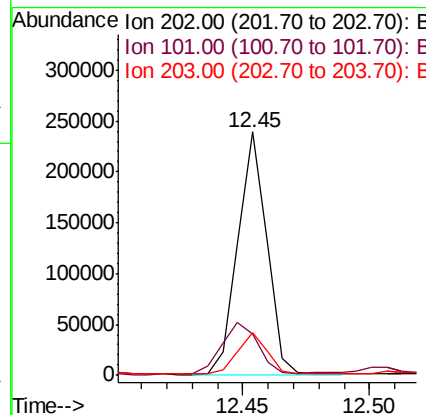
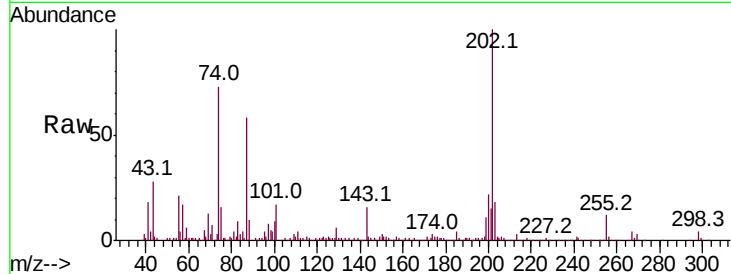
ClientSampleId :

EO-02-090718-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	16.8	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

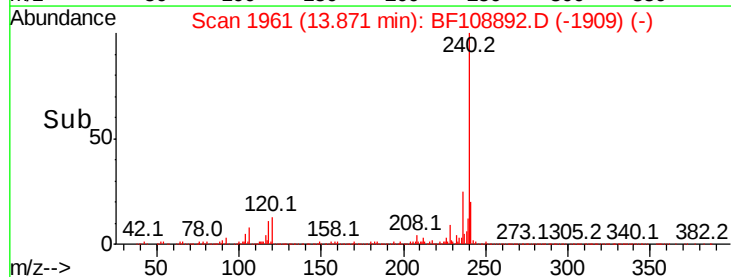
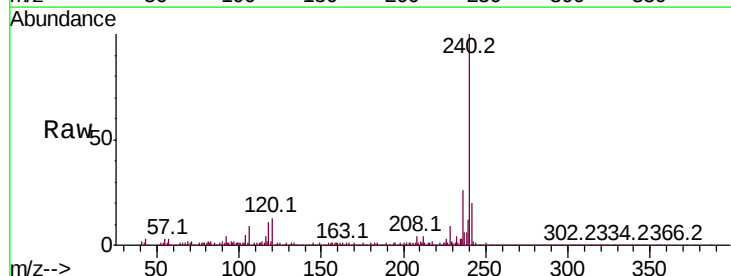
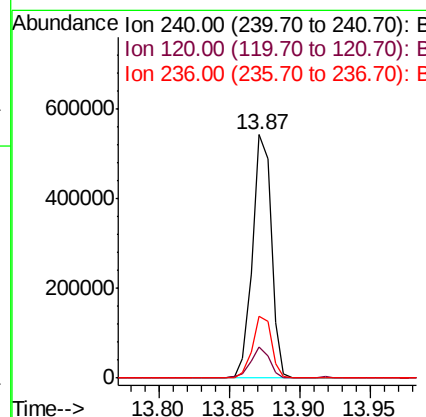
RT: 13.87 min Scan# 1961

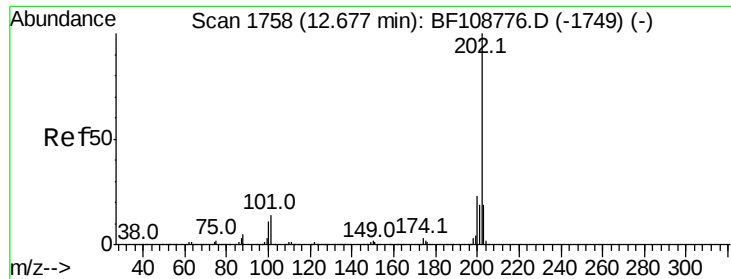
Delta R.T. 0.01 min

Lab File: BF108892.D

Acq: 10 Sep 2018 14:56

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	9.5	14.3
236	25.6	20.7	31.1





#77

Pvrene

Concen: 6.364 ng

RT: 12.68 min Scan# 1759

Delta R.T. 0.01 min

Lab File: BF108892.D

Acq: 10 Sep 2018 14:56

Instrument :

BNA_F

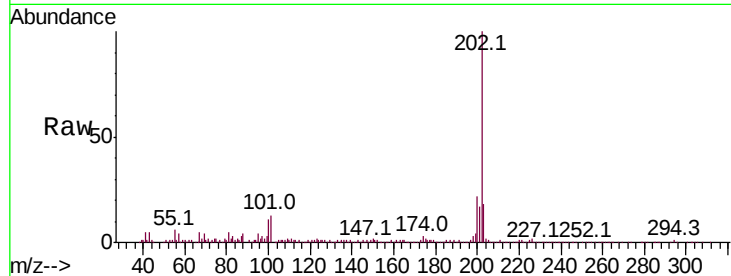
ClientSampleId :

EO-02-090718-B

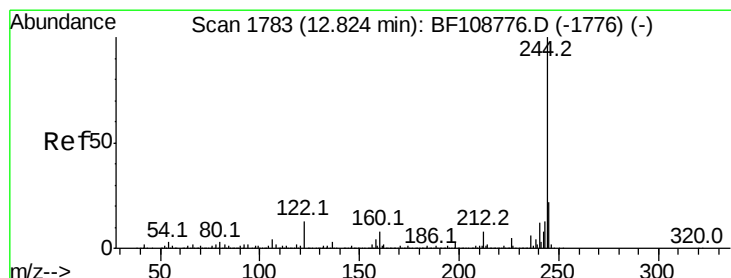
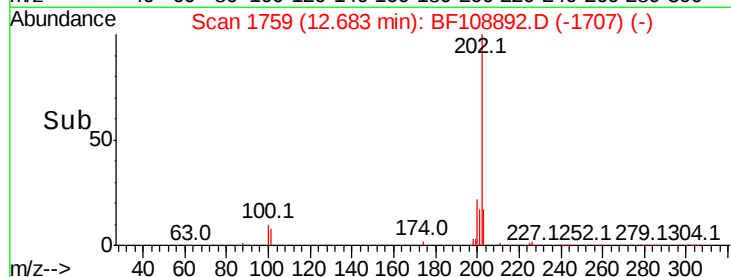
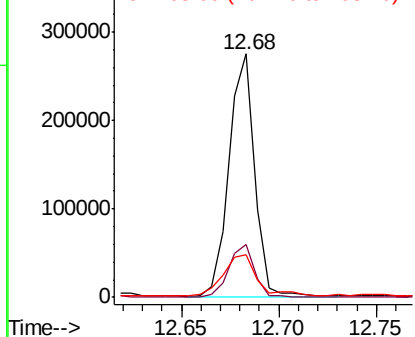
Tot Ion:	202	Resp:	249317
Ion Ratio		Lower	Upper
202	100		
200	21.9	17.4	26.2
203	17.8	14.3	21.5

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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



#78

Terphenyl-d14

Concen: 12.469 ng

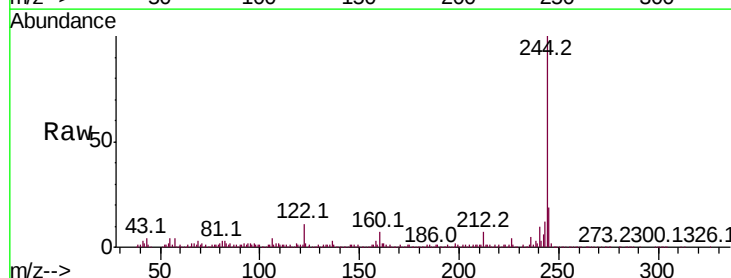
RT: 12.83 min Scan# 1784

Delta R.T. 0.01 min

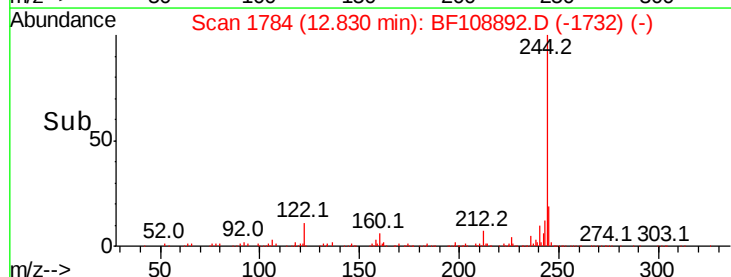
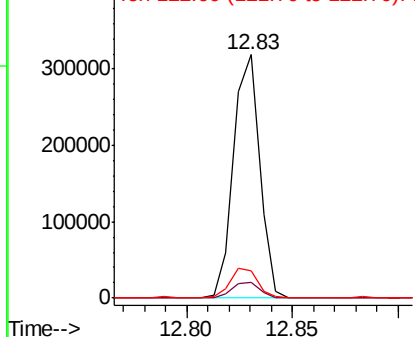
Lab File: BF108892.D

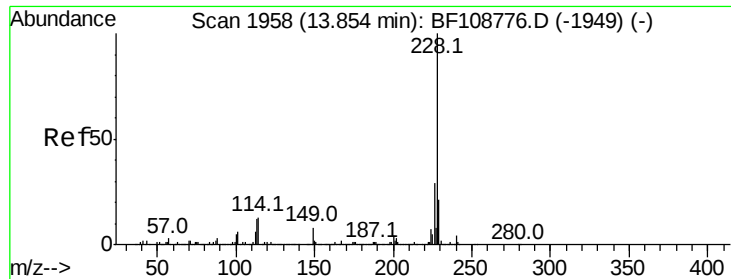
Acq: 10 Sep 2018 14:56

Tgt Ion:	244	Resp:	272243
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.1	11.0	16.4



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





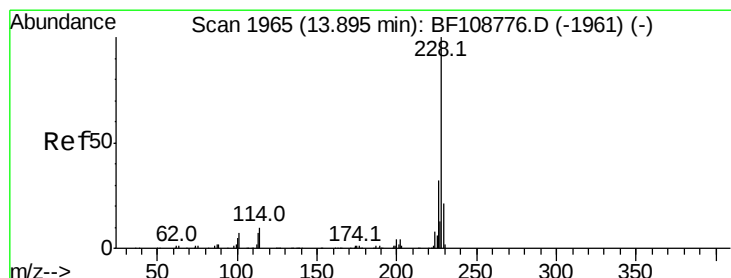
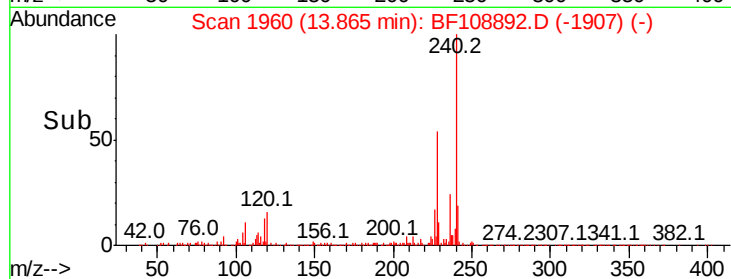
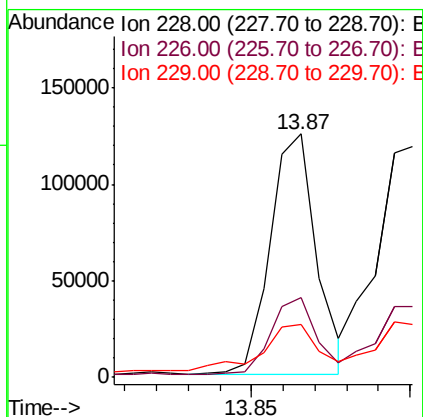
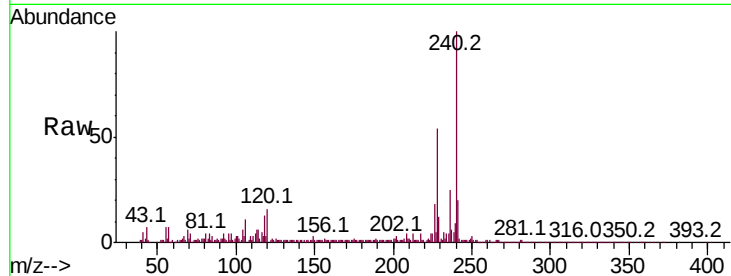
#80
Benzo(a)anthracene
Concen: 3.857 ng
RT: 13.87 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	33.8
229	21.6	15.8	23.6

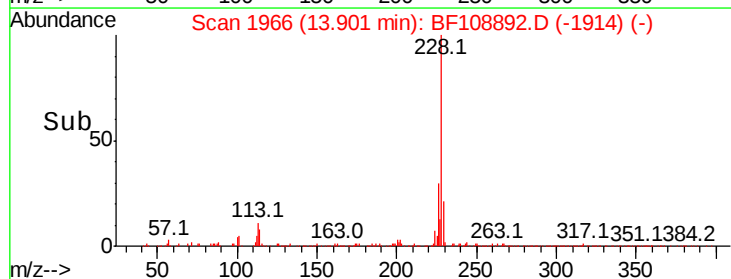
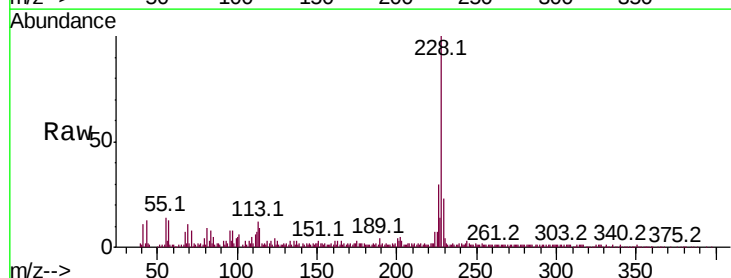
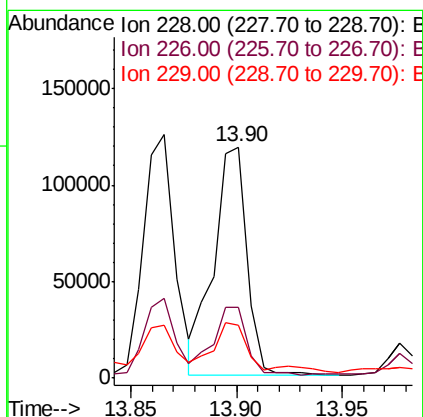
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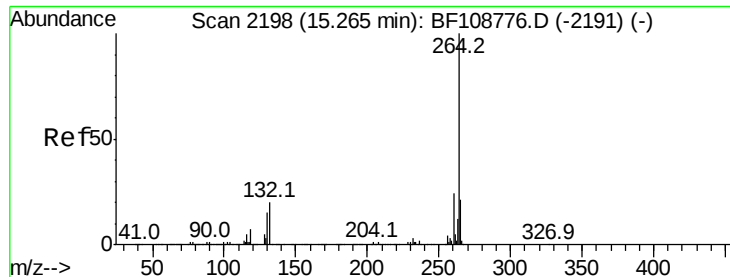
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#82
Chrysene
Concen: 4.099 ng
RT: 13.90 min Scan# 1966
Delta R.T. 0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.8	16.2	24.4





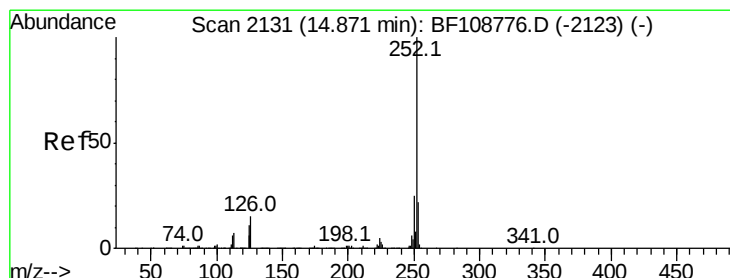
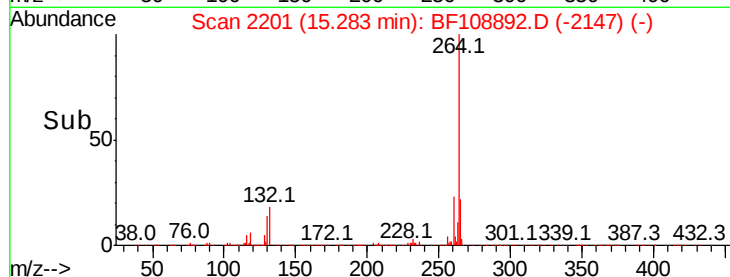
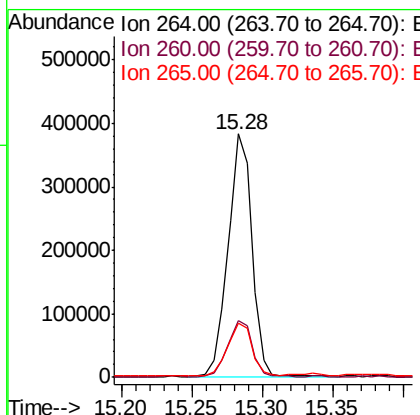
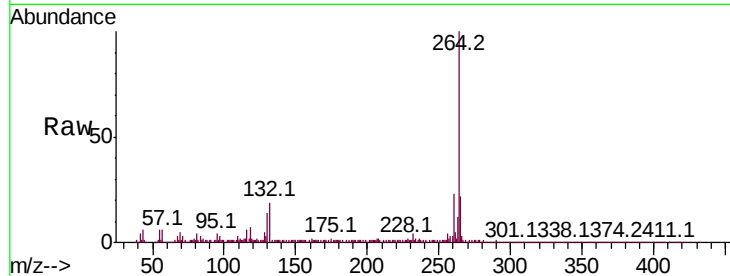
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2201
Delta R.T. 0.02 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.4	17.5	26.3

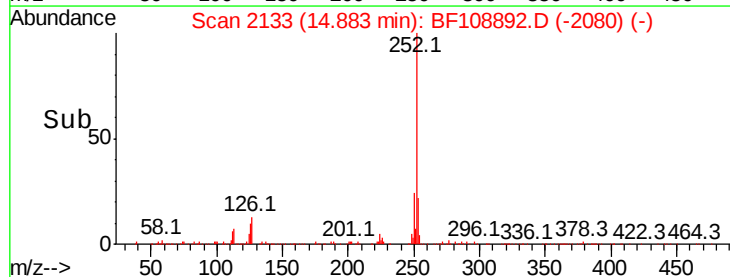
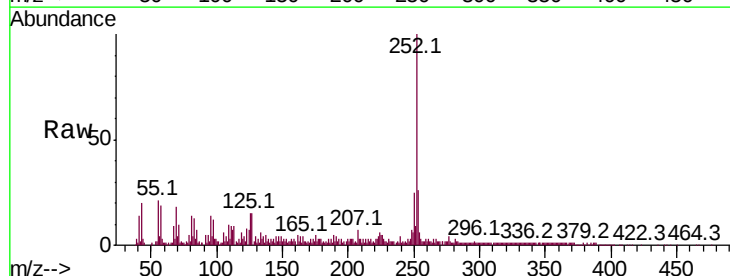
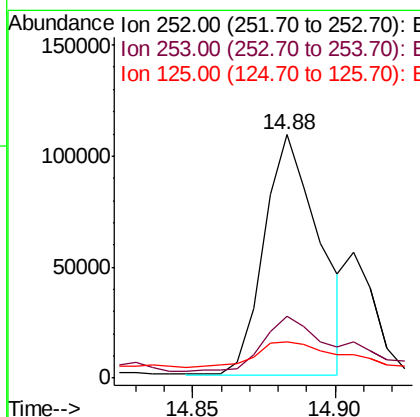
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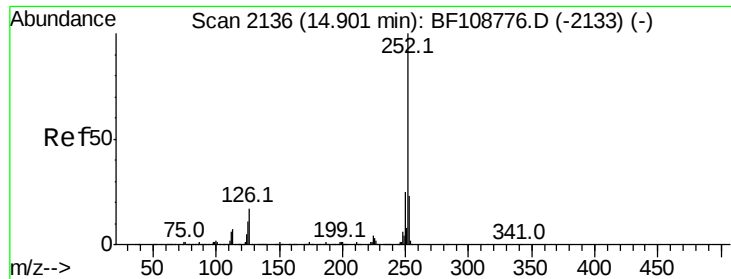
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#87
Benzo(b)fluoranthene
Concen: 6.084 ng m
RT: 14.88 min Scan# 2133
Delta R.T. 0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.0	25.6#
125	14.8	9.0	13.6#





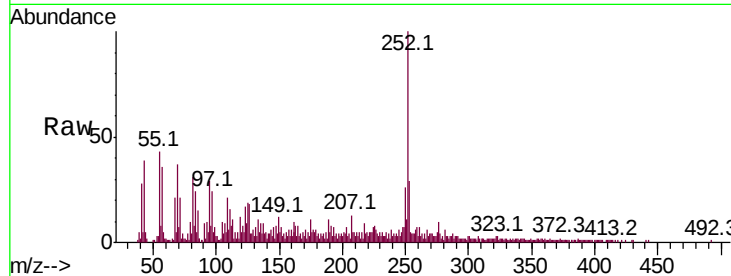
#88
Benzo(k)fluoranthene
Concen: 2.000 ng m
RT: 14.91 min Scan# 2137
Delta R.T. 0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.9	26.9#
125	18.6	10.2	15.2#

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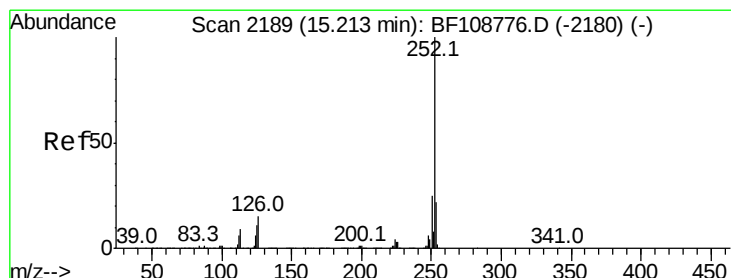
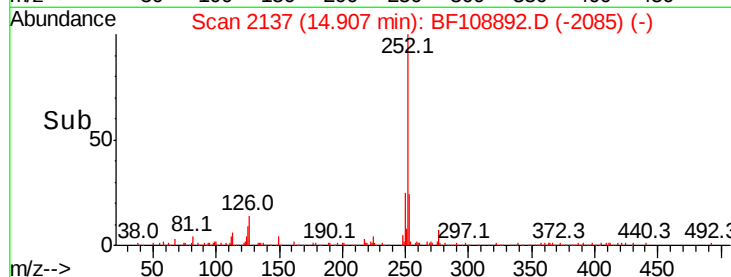
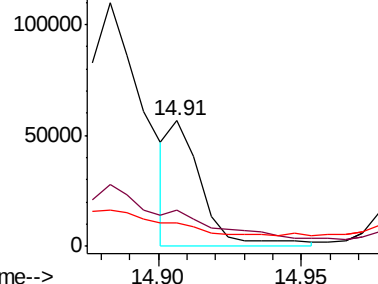


Abundance

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(a)pyrene
Concen: 4.974 ng
RT: 15.22 min Scan# 2191
Delta R.T. 0.01 min
Lab File: BF108892.D
Acq: 10 Sep 2018 14:56

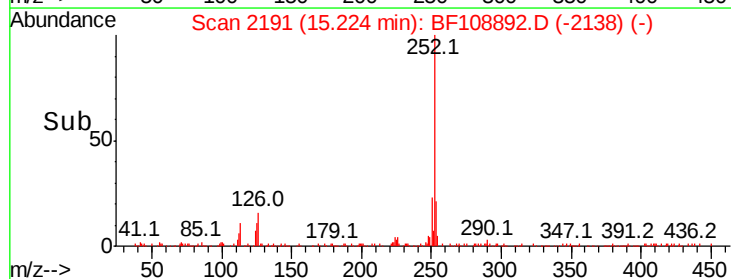
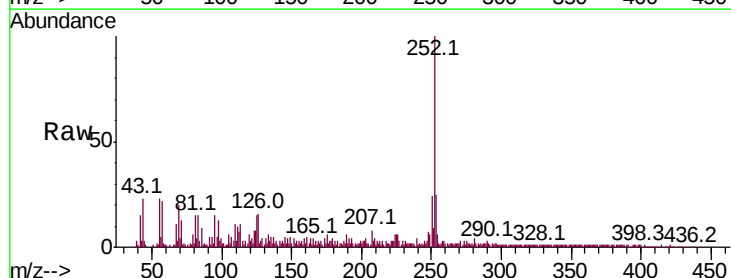
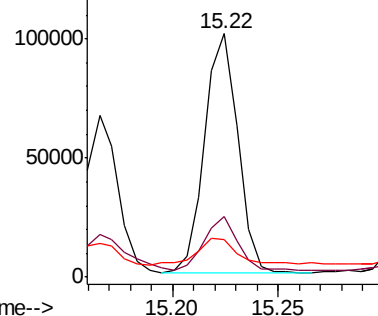
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	15.2	9.8	14.6#

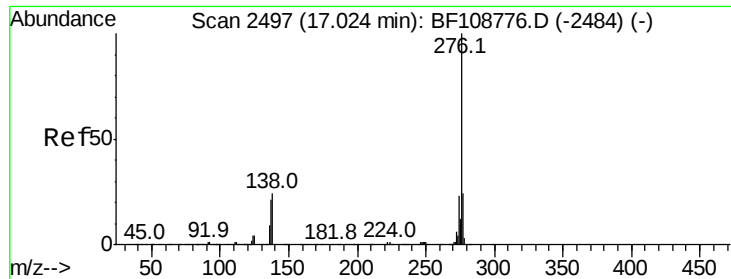
Abundance

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





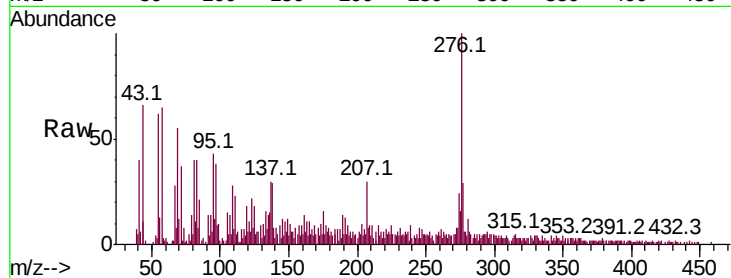
#91
 Benzo(a,h,i)perylene
 Concen: 2.602 ng
 RT: 17.05 min Scan# 2501
 Delta R.T. 0.02 min
 Lab File: BF108892.D
 Acq: 10 Sep 2018 14:56

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.9	17.9	26.9#
138	29.4	21.8	32.8

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

