

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104451.D
 Acq On : 12 Apr 2018 15:21
 Operator : JU/SJ
 Sample : J2162-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-041118-A

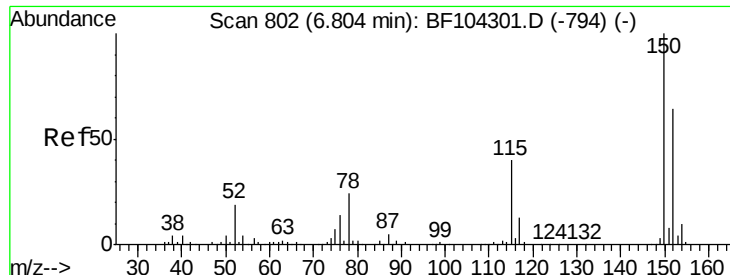
Manual Integrations
 APPROVED

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Quant Time: Apr 13 10:07:17 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	140644	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	556258	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	232474	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	348529	20.00	ng	0.00
75) Chrysene-d12	13.99	240	263765	20.00	ng	0.00
86) Perylene-d12	15.46	264	214942	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	913619	99.33	ng	0.01
7) Phenol-d6	6.45	99	1089626	96.41	ng	0.00
23) Nitrobenzene-d5	7.37	82	689049	80.89	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	223727	92.77	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1006714	68.41	ng	0.00
78) Terphenyl-d14	12.93	244	716180	61.90	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.71	152	82581	3.412	ng	99
49) Dimethylphthalate	9.56	163	95922	5.232	ng	99
70) Phenanthrene	11.36	178	407989	21.020	ng	99
71) Anthracene	11.41	178	79511	4.030	ng	98
74) Fluoranthene	12.56	202	602816	29.726	ng	97
77) Pyrene	12.79	202	670293	34.284	ng	100
80) Benzo(a)anthracene	13.97	228	302401m	19.191	ng	
82) Chrysene	14.01	228	342876	21.184	ng	98
83) Bis(2-ethylhexyl)phthalate	13.96	149	30931	2.611	ng	99
85) Indeno(1,2,3-cd)pyrene	16.91	276	119436m	8.687	ng	
87) Benzo(b)fluoranthene	15.03	252	332093m	24.463	ng	
88) Benzo(k)fluoranthene	15.06	252	85276m	6.654	ng	
89) Benzo(a)pyrene	15.39	252	219089	18.037	ng	97
90) Dibenzo(a,h)anthracene	16.92	278	32172	3.225	ng	# 89
91) Benzo(a,h,i)perylene	17.34	276	117689	12.177	ng	96

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



#1

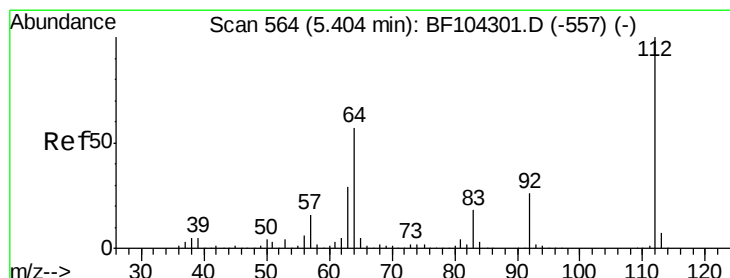
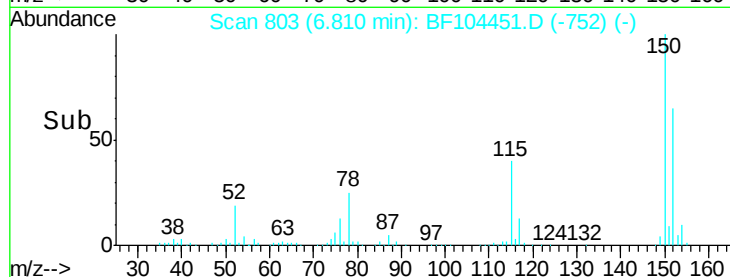
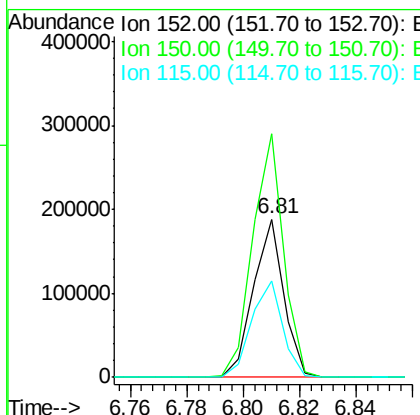
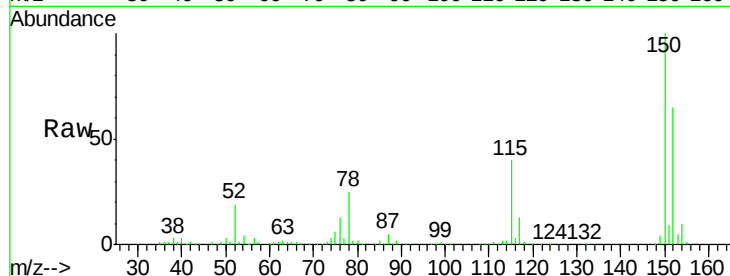
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	61.3	50.1	75.1

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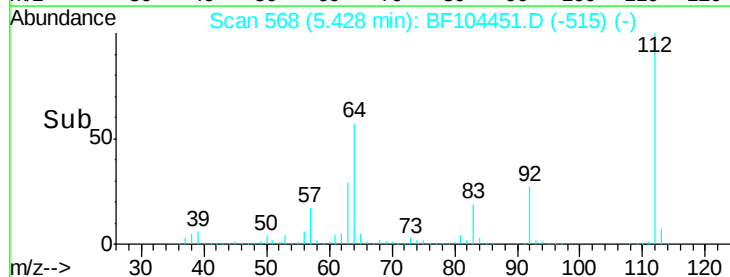
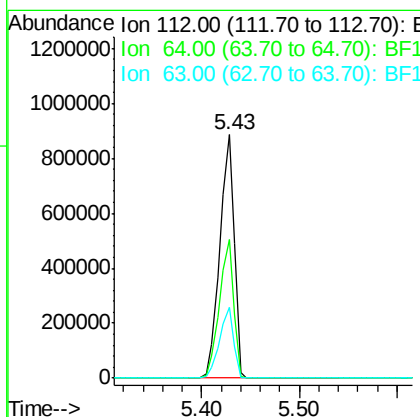
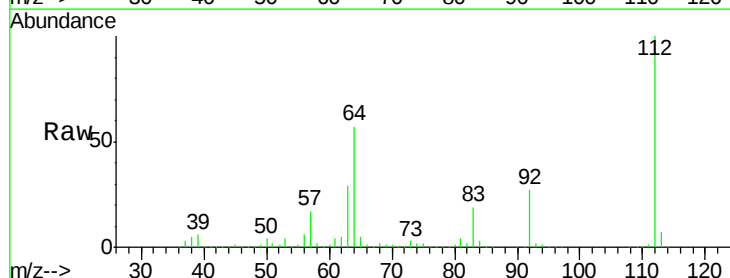
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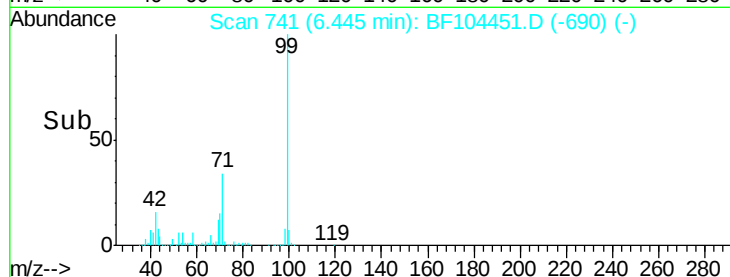
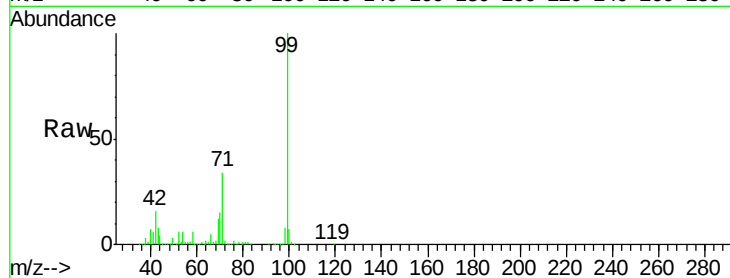
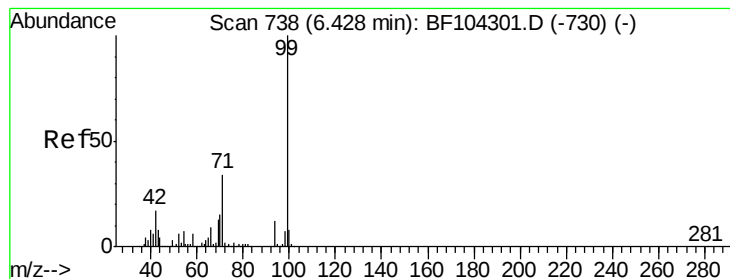


#5

2-Fluorophenol
Concen: 99.327 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	29.0	23.7	35.5





#7

Phenol-d6

Concen: 96.415 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Tot Ion:	99	Resp:	1089626
Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.5	21.7
71	34.0	25.4	38.0

Instrument :

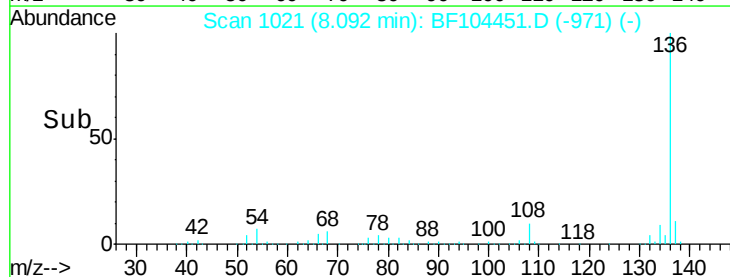
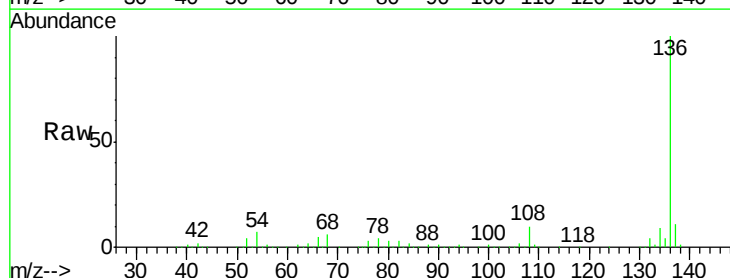
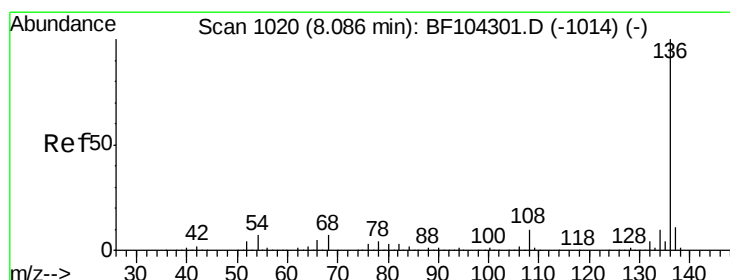
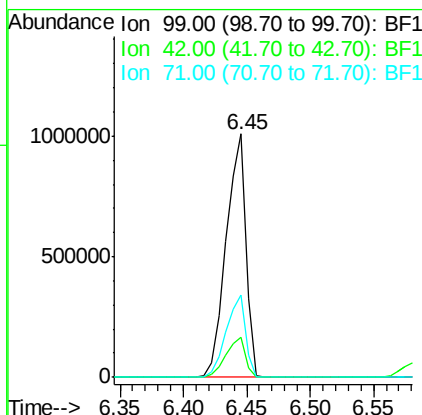
BNA_F

ClientSampled :

EO-01-041118-A

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#21

Naphthalene-d8

Concen: 20.000 ng

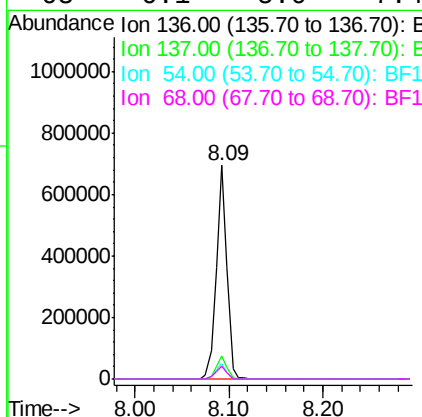
RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Tgt Ion:	136	Resp:	556258
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.2	6.6	9.8
68	6.1	5.0	7.4





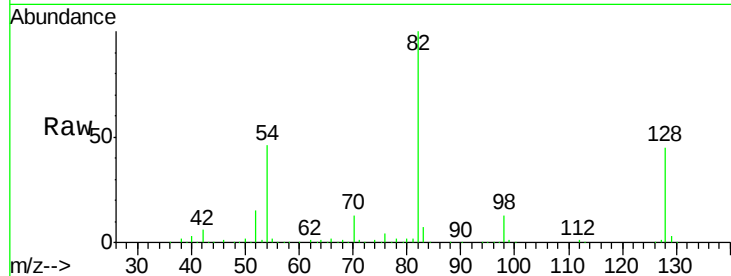
#23
Nitrobenzene-d5
Concen: 80.886 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

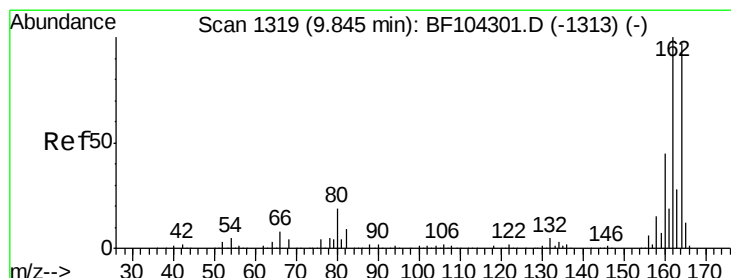
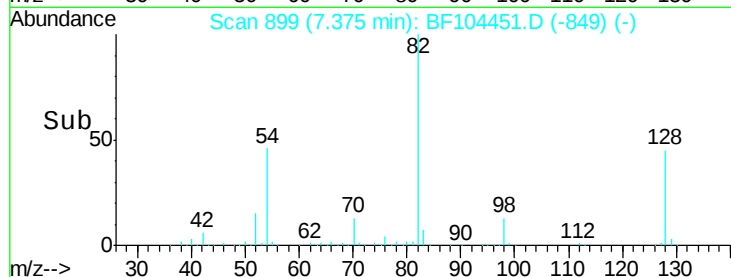
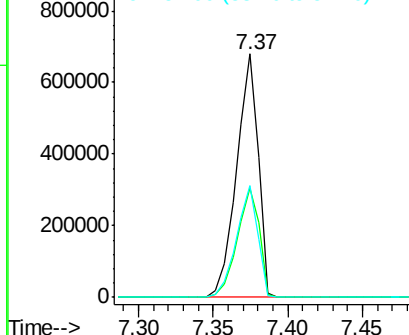
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	45.7	41.4	62.2

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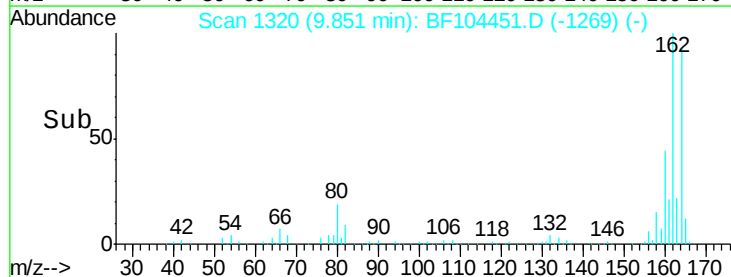
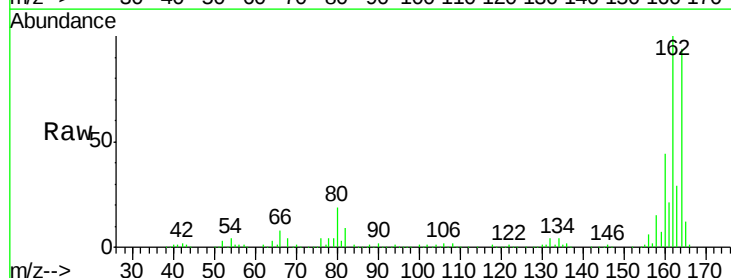
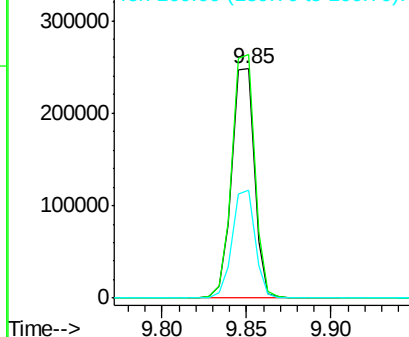
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

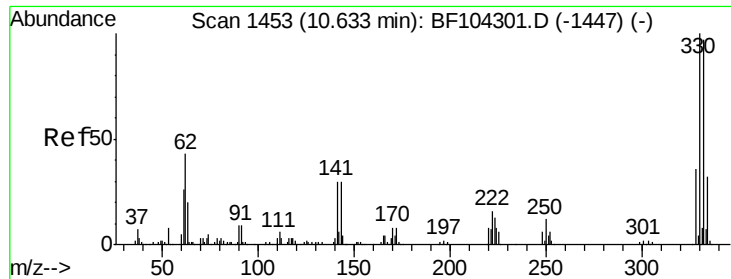


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	86.1	129.1
160	47.0	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 92.774 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Instrument :

BNA_F

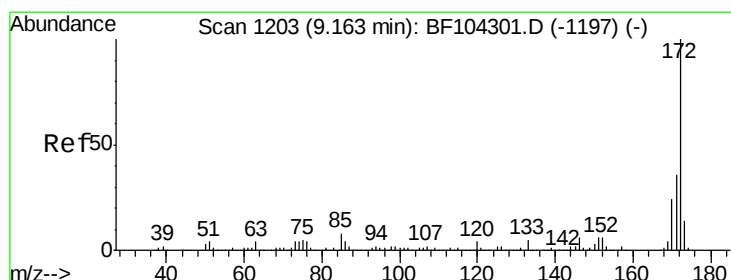
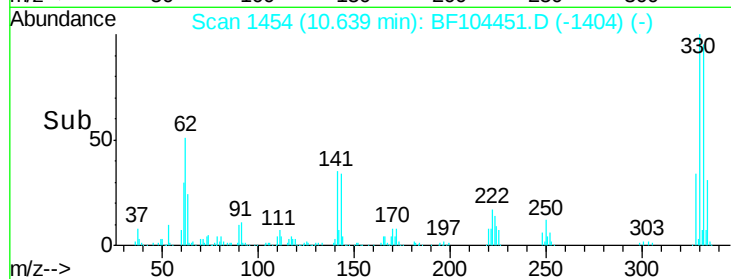
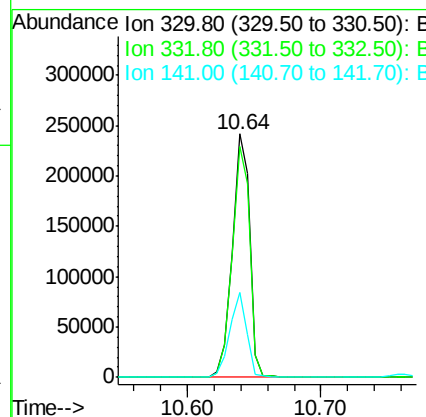
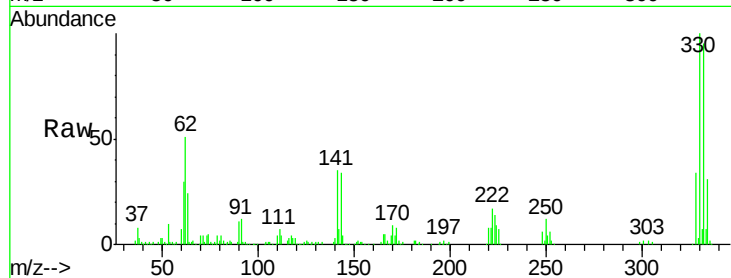
ClientSampleId :

EO-01-041118-A

Tot Ion:	330	Resp:	223727
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.0	115.6
141	33.1	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 68.410 ng

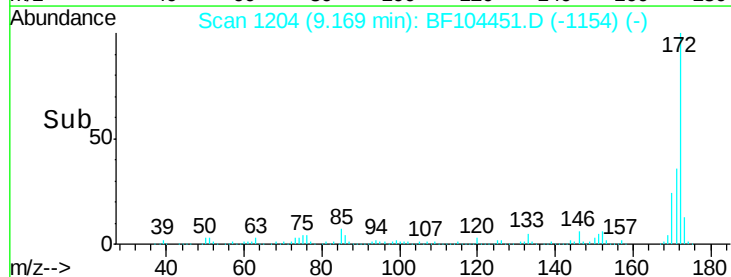
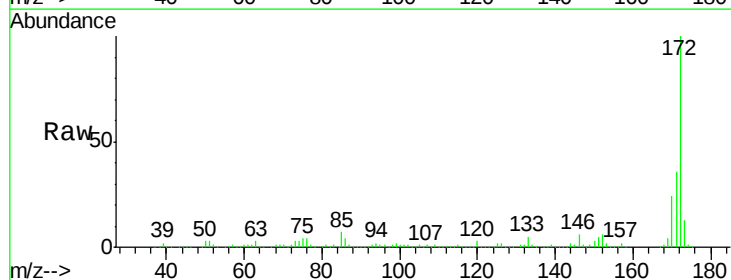
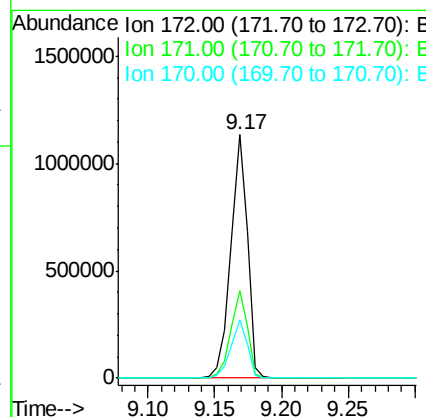
RT: 9.17 min Scan# 1204

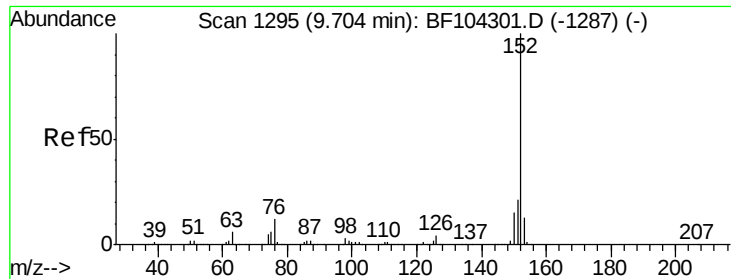
Delta R.T. -0.01 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Tgt Ion:	172	Resp:	1006714
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.7	44.5
170	23.9	19.6	29.4





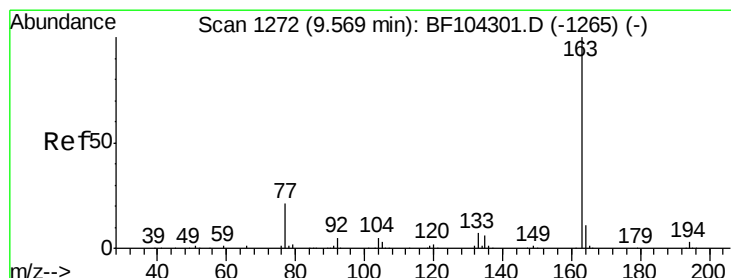
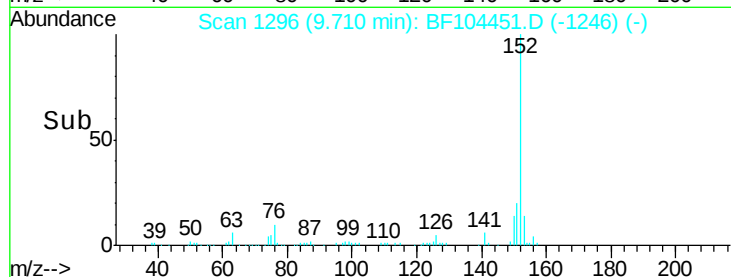
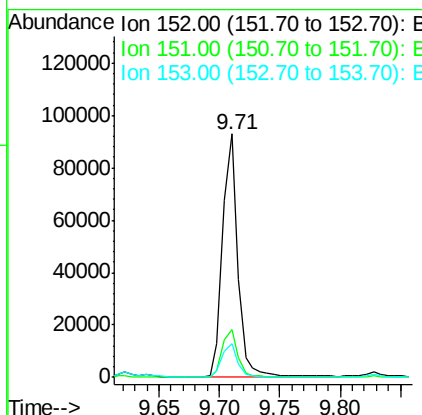
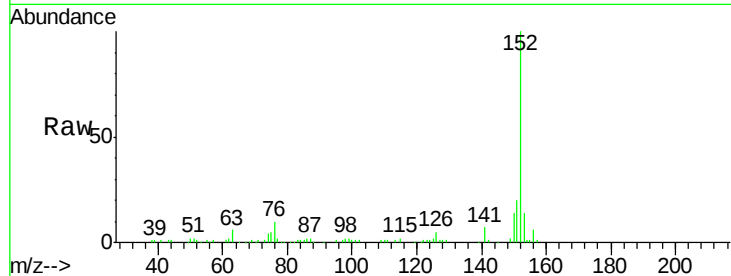
#48
Acenaphthylene
Concen: 3.412 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	13.9	10.7	16.1

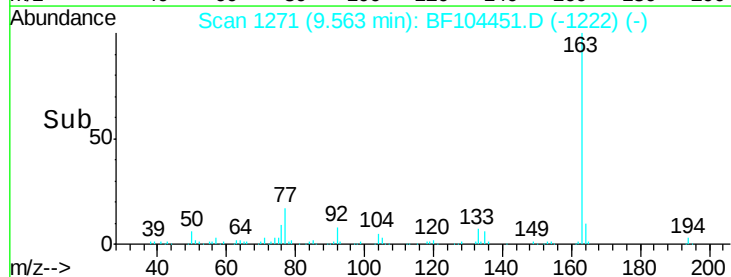
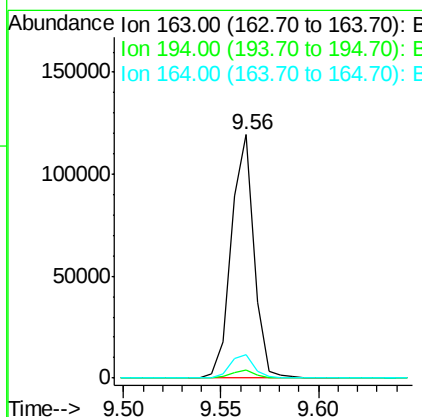
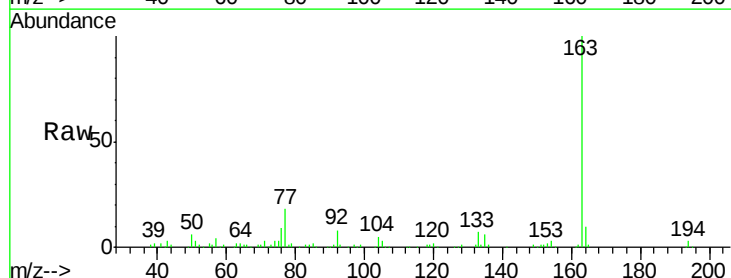
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#49
Dimethylphthalate
Concen: 5.232 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	9.8	8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Instrument :

BNA_F

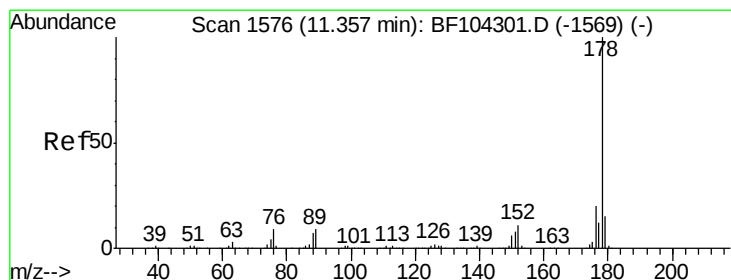
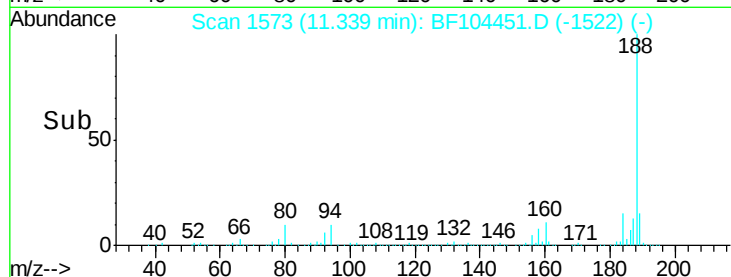
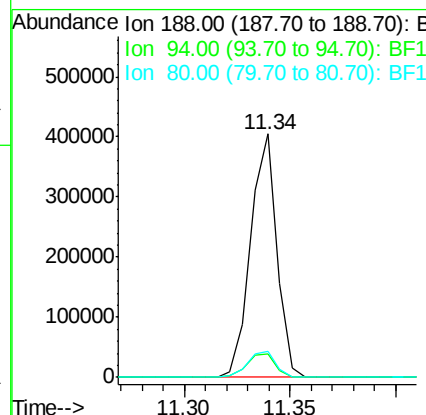
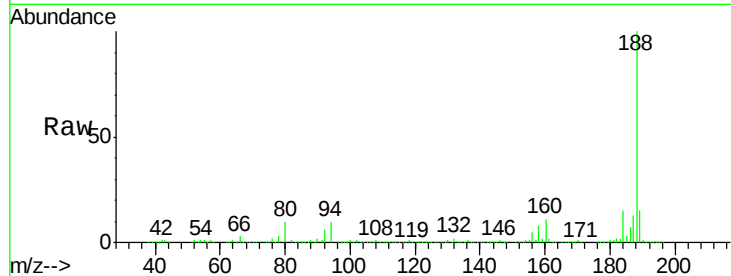
ClientSampleId :

EO-01-041118-A

Tot Ion:	188	Resp:	348529
Ion Ratio	Lower	Upper	
188	100		
94	9.8	8.5	12.7
80	10.4	9.2	13.8

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#70

Phenanthrene

Concen: 21.020 ng

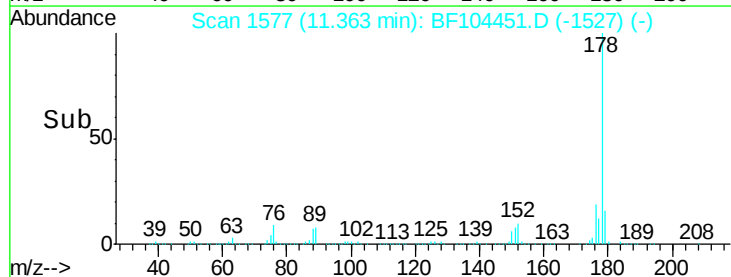
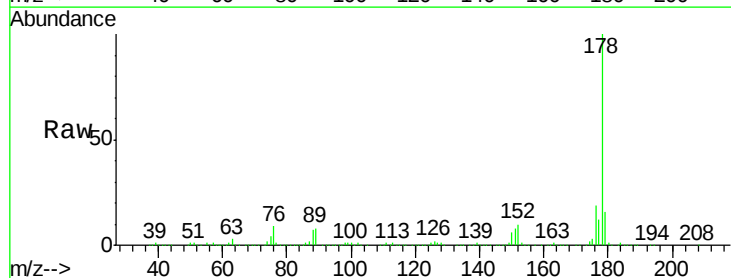
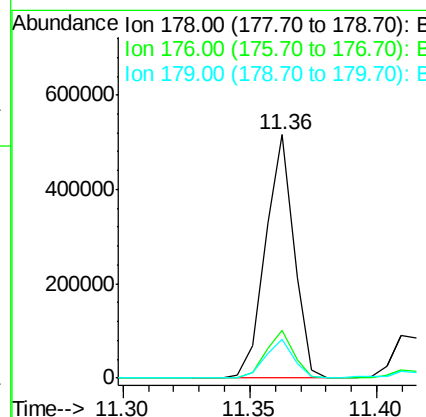
RT: 11.36 min Scan# 1577

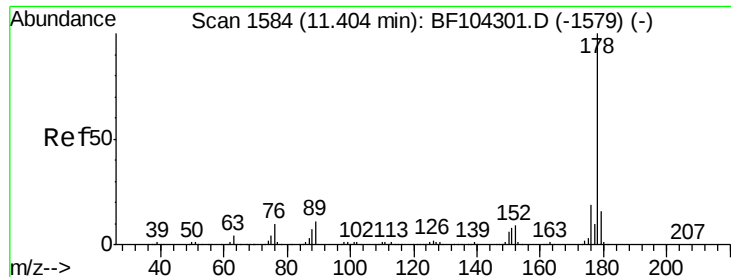
Delta R.T. -0.01 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Tgt Ion:	178	Resp:	407989
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.8
179	15.7	13.0	19.6





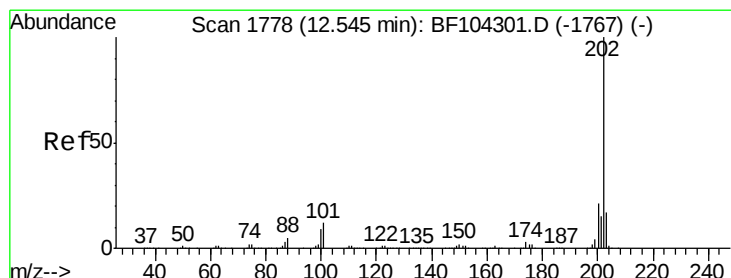
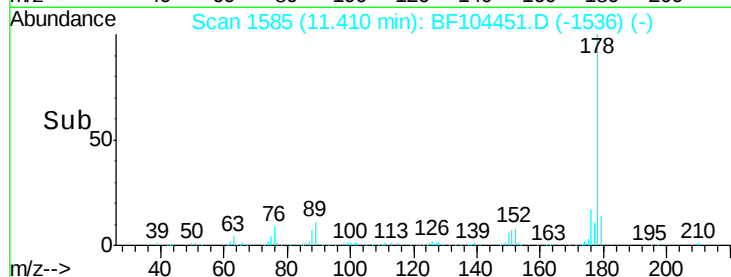
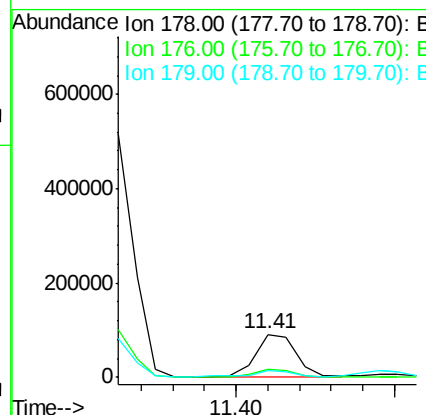
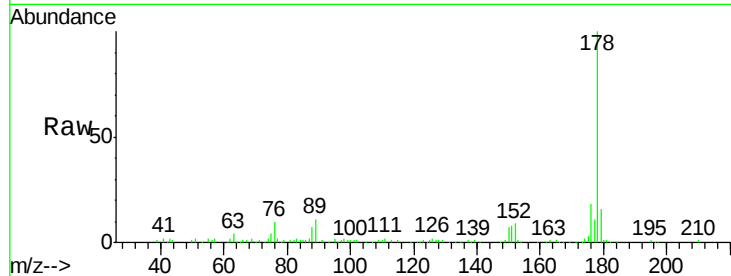
#71
 Anthracene
 Concen: 4.030 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF104451.D
 Acq: 12 Apr 2018 15:21

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-041118-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	15.7	12.6	19.0

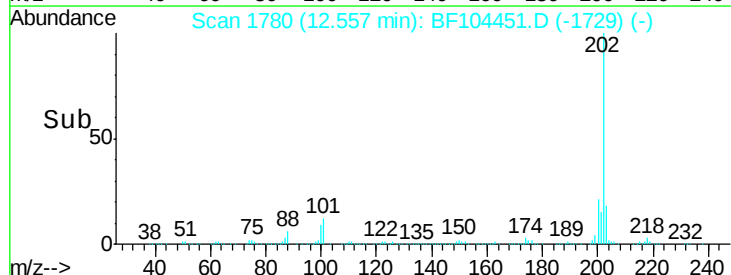
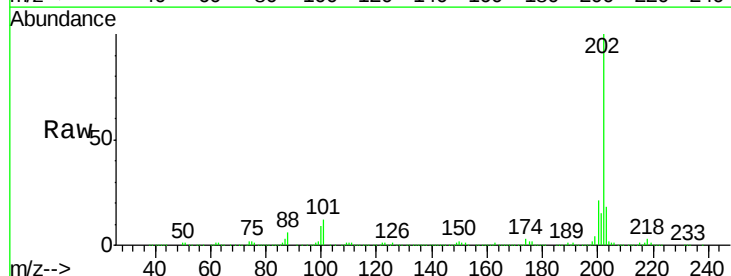
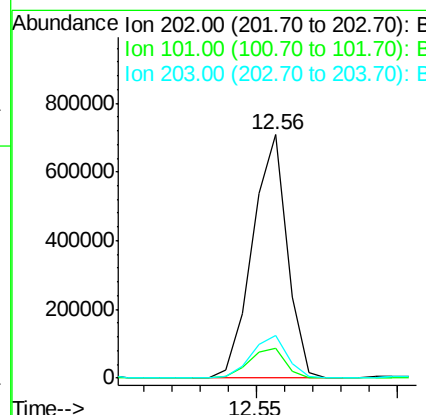
Manual Integrations
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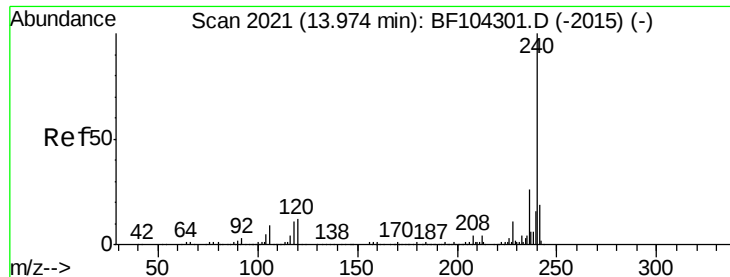
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#74
 Fluoranthene
 Concen: 29.726 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.00 min
 Lab File: BF104451.D
 Acq: 12 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Instrument :

BNA_F

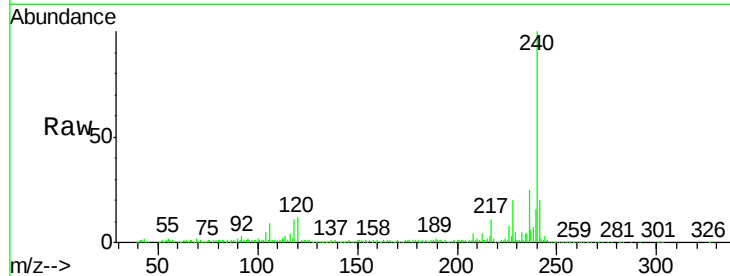
ClientSampleId :

EO-01-041118-A

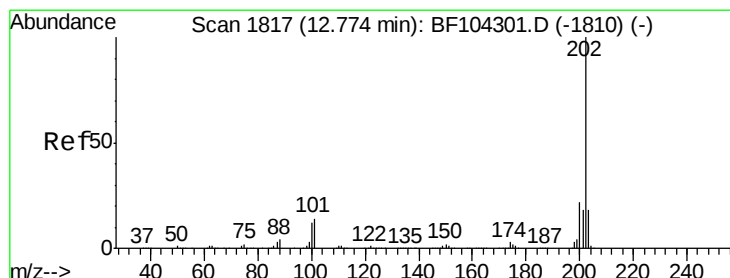
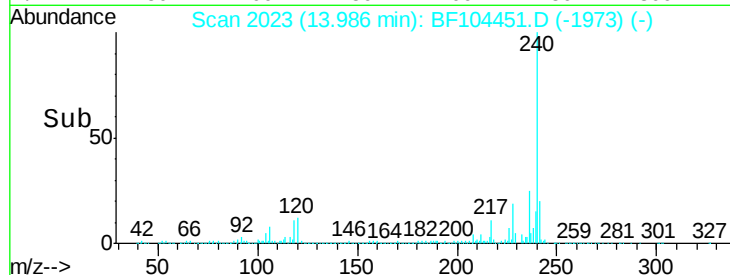
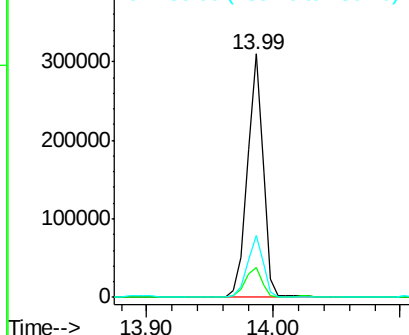
Tot Ion:	240	Resp:	263765
Ion Ratio	Lower	Upper	
240	100		
120	12.3	9.5	14.3
236	25.2	20.7	31.1

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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



#77

Pyrene

Concen: 34.284 ng

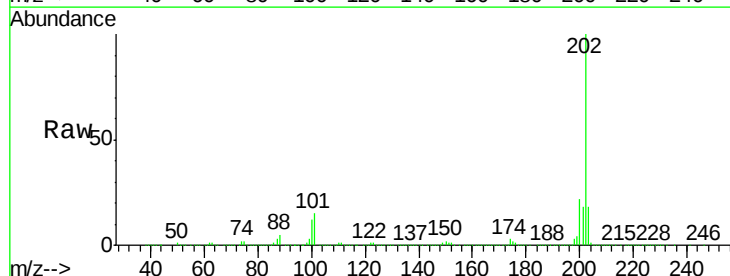
RT: 12.79 min Scan# 1819

Delta R.T. 0.00 min

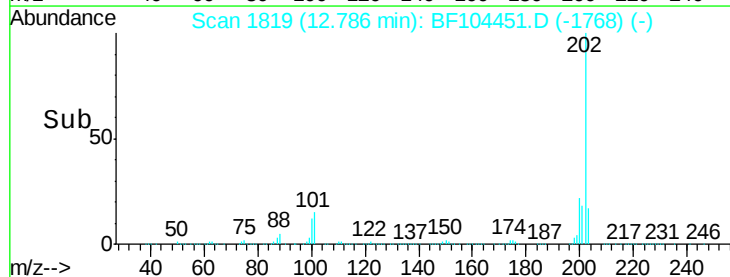
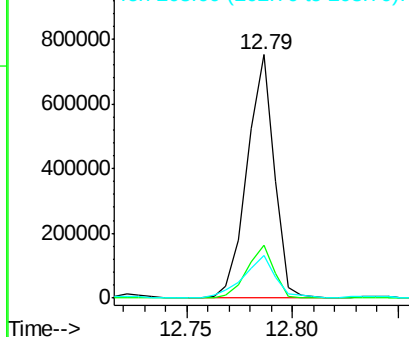
Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Tgt Ion:	202	Resp:	670293
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	17.8	14.3	21.5



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





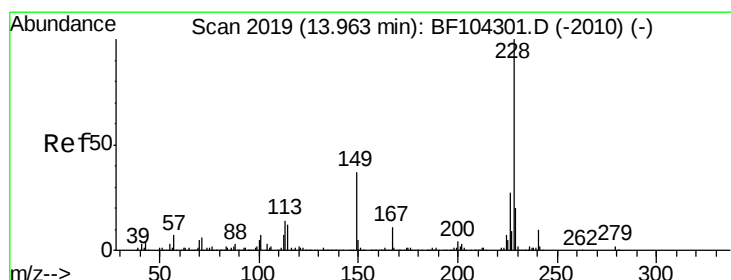
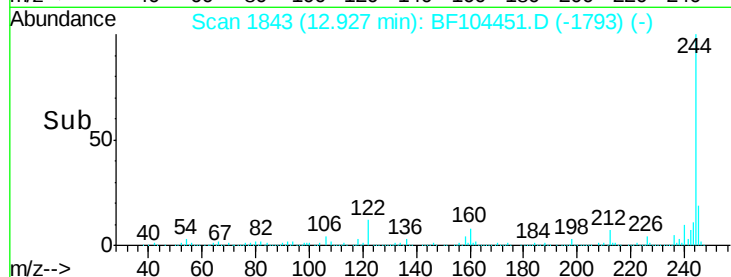
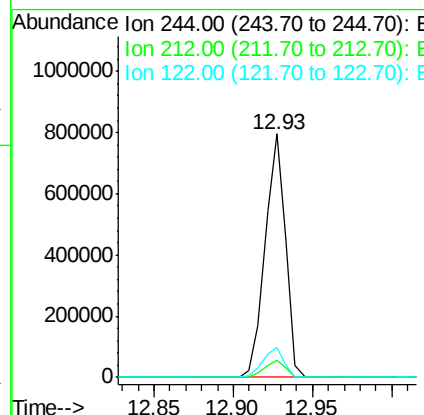
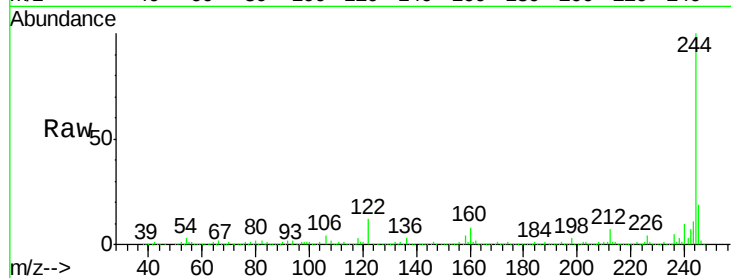
#78
 Terphenyl-d14
 Concen: 61.902 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF104451.D
 Acq: 12 Apr 2018 15:21

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-041118-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.1	11.0	16.4

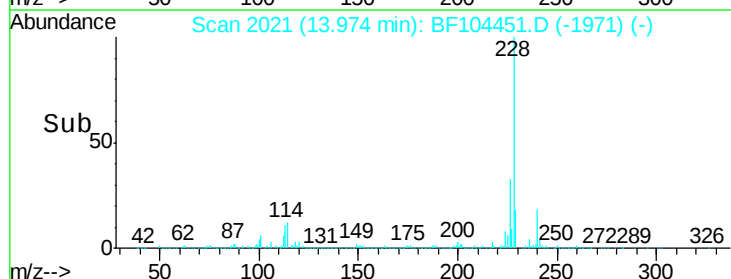
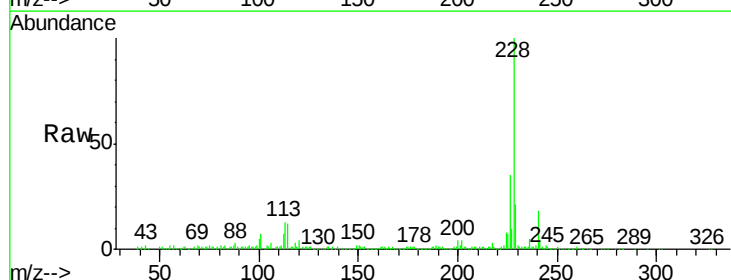
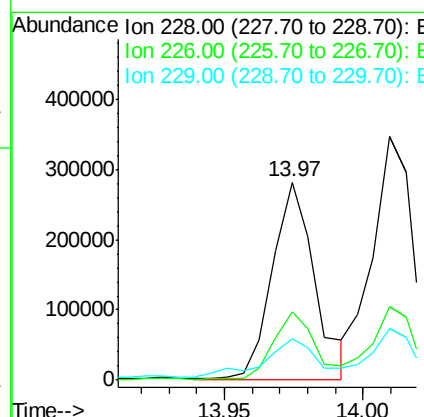
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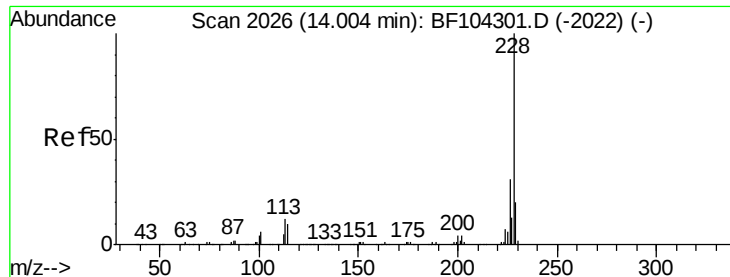
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#80
 Benzo(a)anthracene
 Concen: 19.191 ng m
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104451.D
 Acq: 12 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.6	22.6	33.8#
229	21.1	15.8	23.6





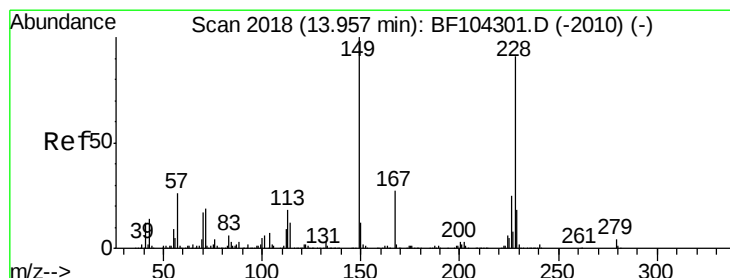
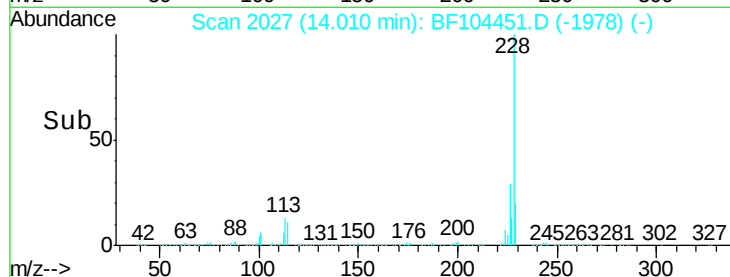
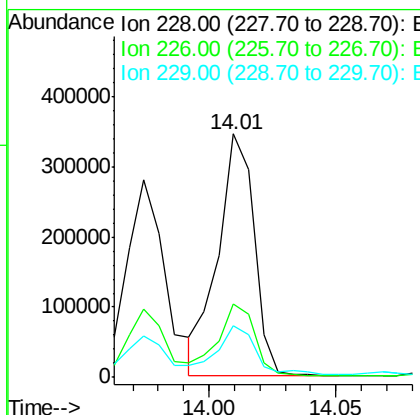
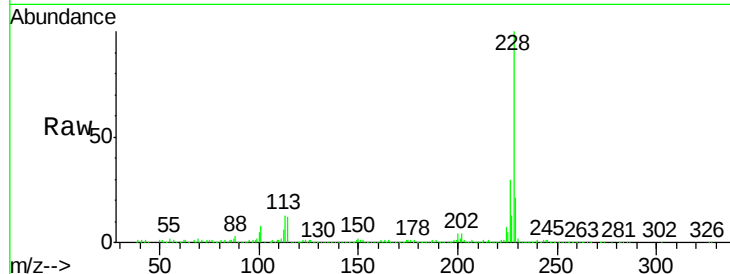
#82
Chrysene
Concen: 21.184 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.4	16.2	24.4

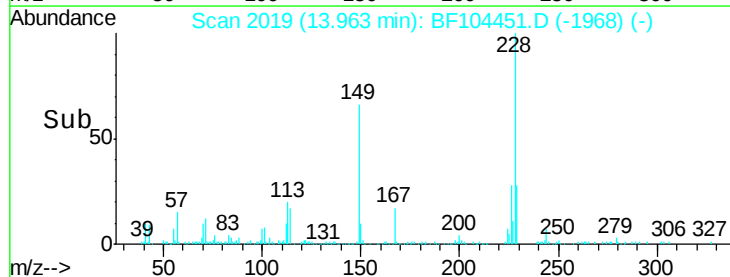
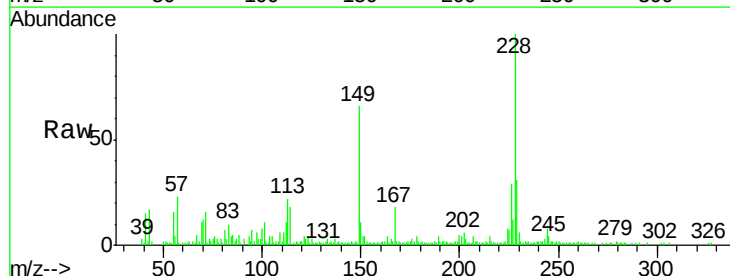
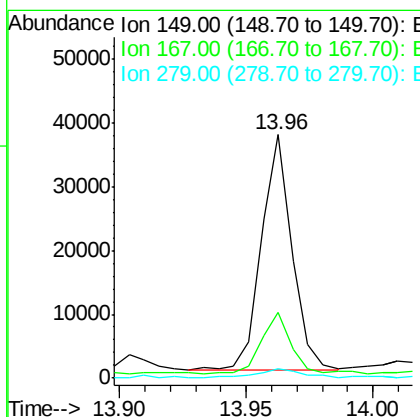
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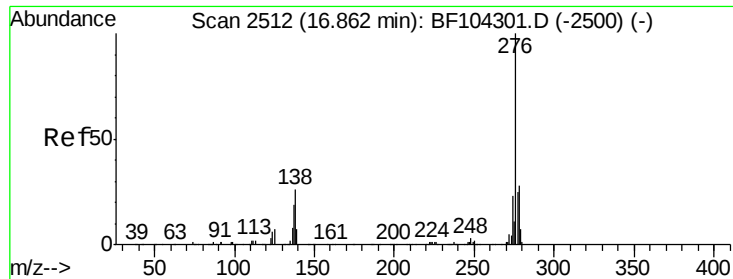
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.611 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.3	31.9
279	3.8	3.0	4.4





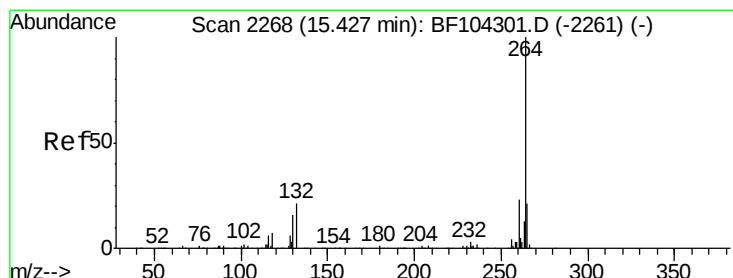
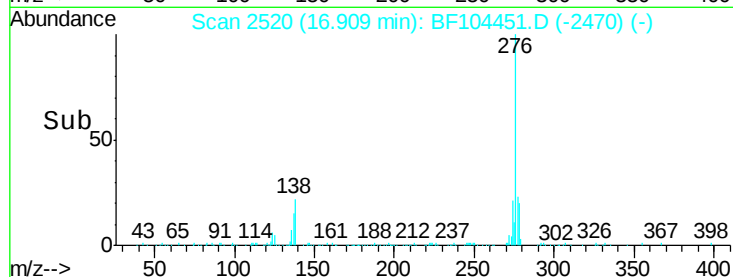
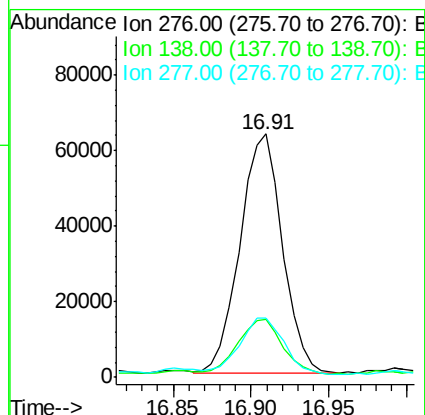
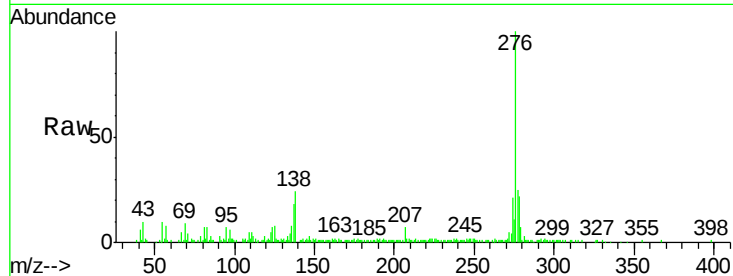
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.687 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Instrument :
BNA_F
ClientSampleId :
EO-01-041118-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.1	25.0	37.6#
277	5.4	20.1	30.1#

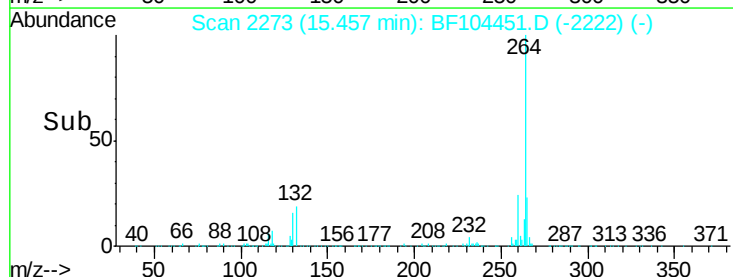
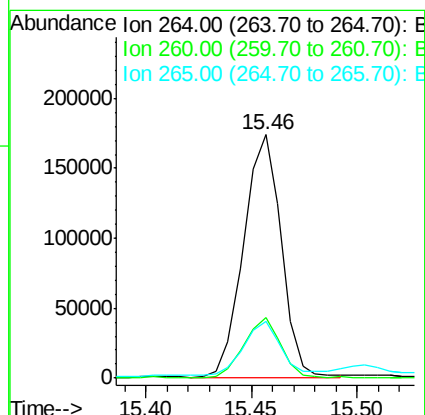
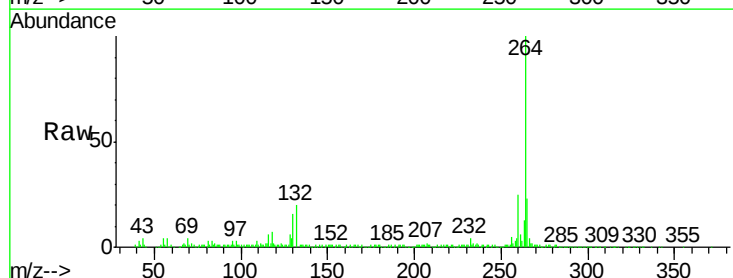
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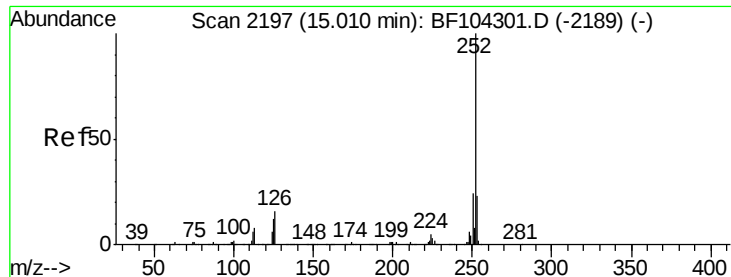
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF104451.D
Acq: 12 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	23.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 24.463 ng m

RT: 15.03 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Instrument :

BNA_F

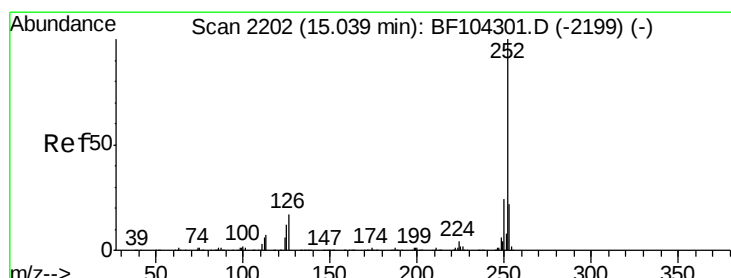
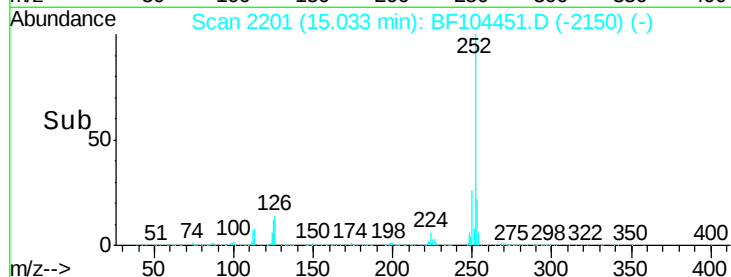
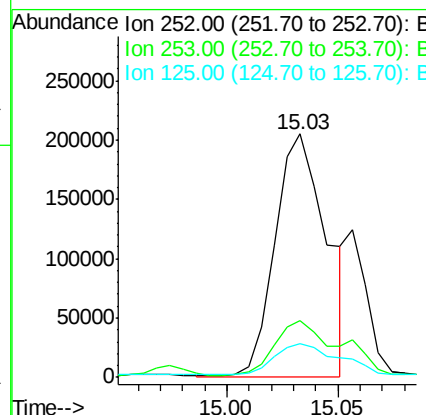
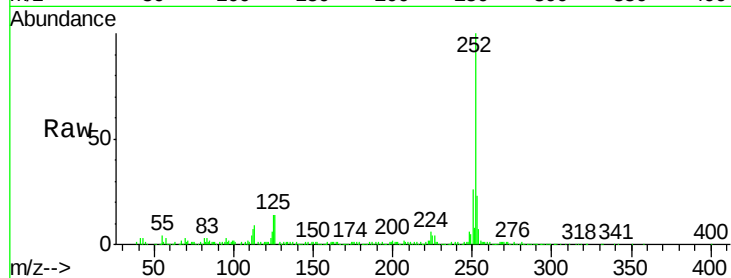
ClientSampleId :

EO-01-041118-A

Tot Ion:	252	Resp:	332093
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	13.6	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 6.654 ng m

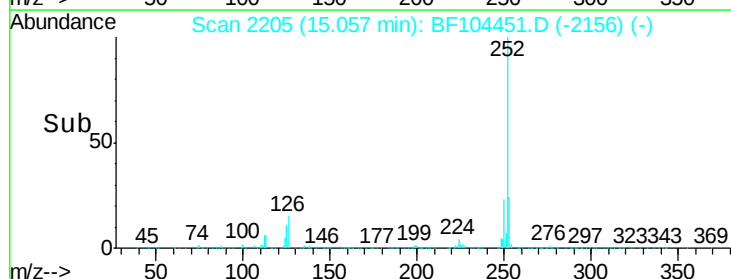
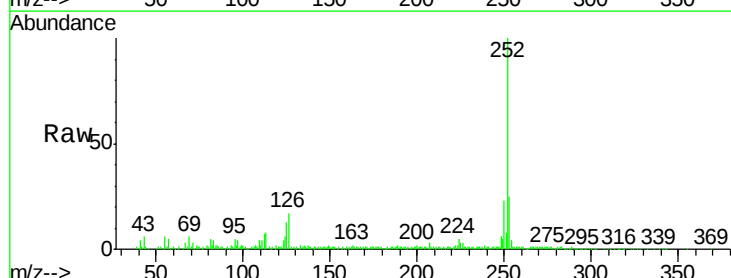
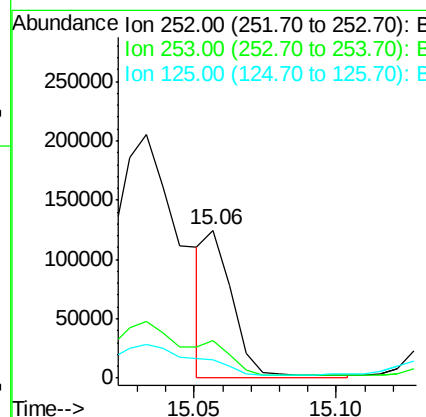
RT: 15.06 min Scan# 2205

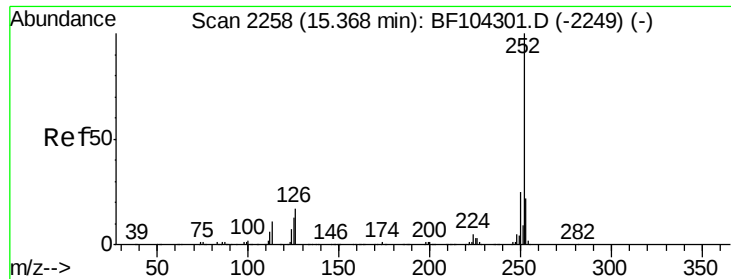
Delta R.T. -0.01 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Tgt Ion:	252	Resp:	85276
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.9	26.9
125	12.7	10.2	15.2





#89

Benzo(a)pyrene

Concen: 18.037 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Instrument :

BNA_F

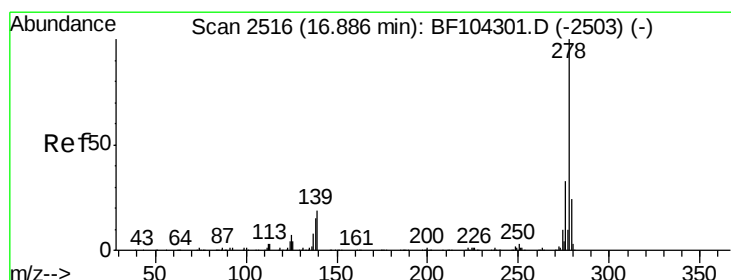
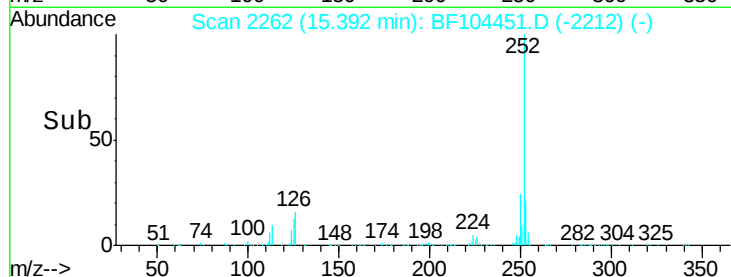
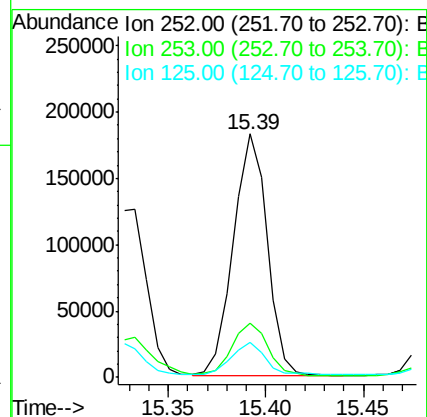
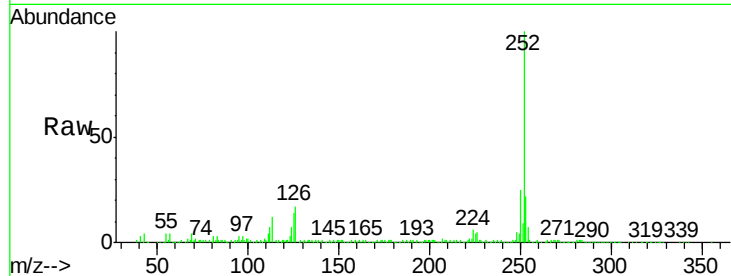
ClientSampleId :

EO-01-041118-A

Tot Ion:	252	Resp:	219089
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.1	25.7
125	14.4	9.8	14.6

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#90

Dibenzo(a,h)anthracene

Concen: 3.225 ng

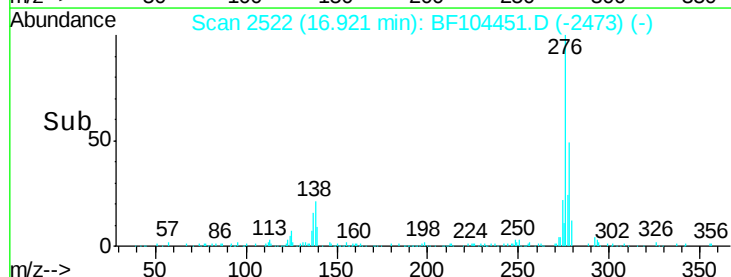
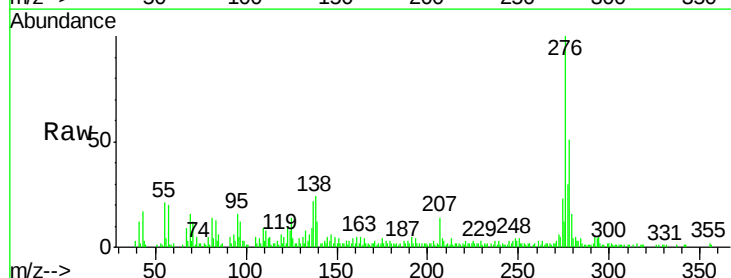
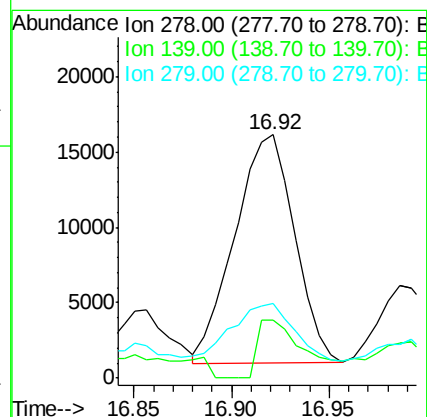
RT: 16.92 min Scan# 2522

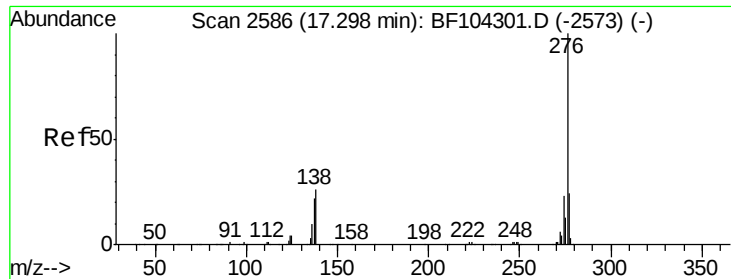
Delta R.T. -0.01 min

Lab File: BF104451.D

Acq: 12 Apr 2018 15:21

Tgt Ion:	278	Resp:	32172
Ion Ratio	Lower	Upper	
278	100		
139	23.7	15.9	23.9
279	30.4	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 12.177 ng
 RT: 17.34 min Scan# 2594
 Delta R.T. -0.02 min
 Lab File: BF104451.D
 Acq: 12 Apr 2018 15:21

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-041118-A

Tot Ion:	276	Resp:	117689
Ion Ratio	Lower	Upper	
276	100		
277	25.4	17.9	26.9
138	26.3	21.8	32.8

Manual Integrations
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