

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104459.D
 Acq On : 12 Apr 2018 18:56
 Operator : JU/SJ
 Sample : J2162-05 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
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 4/13/2018 4:44:19 PM

Quant Time: Apr 13 00:55:05 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	116939	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	457269	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	189245	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	292259	20.00	ng	0.00
75) Chrysene-d12	13.99	240	233480	20.00	ng	0.00
86) Perylene-d12	15.45	264	189271	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	164415	21.50	ng	0.00
7) Phenol-d6	6.43	99	199713	21.25	ng	-0.01
23) Nitrobenzene-d5	7.37	82	110187	15.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	36550	18.62	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	213201	17.80	ng	0.00
78) Terphenyl-d14	12.93	244	161047	15.73	ng	0.00
Target Compounds						
70) Phenanthrene	11.36	178	97164	5.970	ng	99
74) Fluoranthene	12.56	202	107245	6.307	ng	98
77) Pyrene	12.79	202	121408	7.015	ng	97
80) Benzo(a)anthracene	13.97	228	53506	3.836	ng	92
82) Chrysene	14.01	228	47675	3.328	ng	98
87) Benzo(b)fluoranthene	15.03	252	51043m	4.270	ng	
89) Benzo(a)pyrene	15.39	252	39635	3.706	ng	# 89
91) Benzo(g,h,i)perylene	17.34	276	21147	2.485	ng	96

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

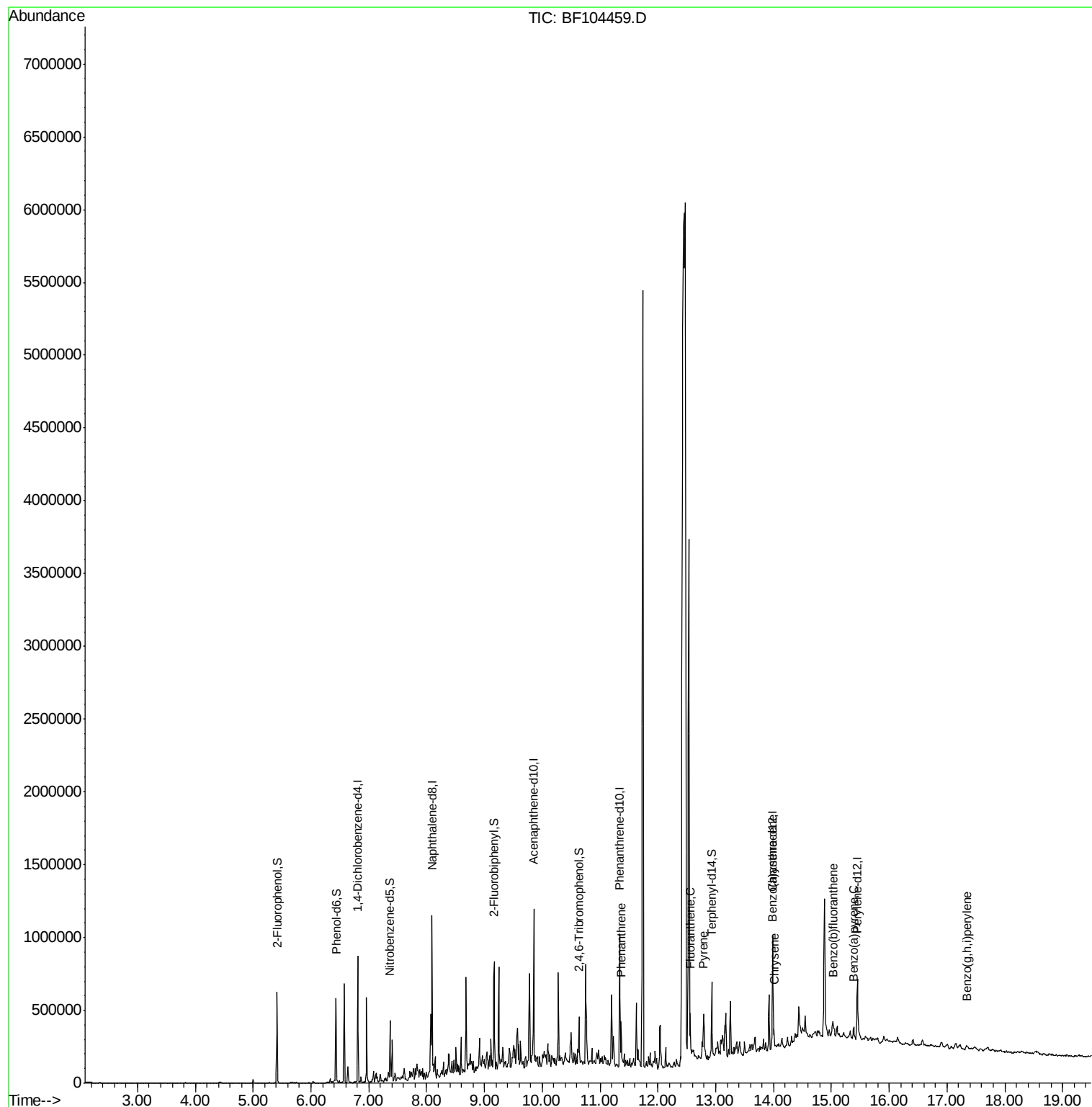
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104459.D
Acq On : 12 Apr 2018 18:56
Operator : JU/SJ
Sample : J2162-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

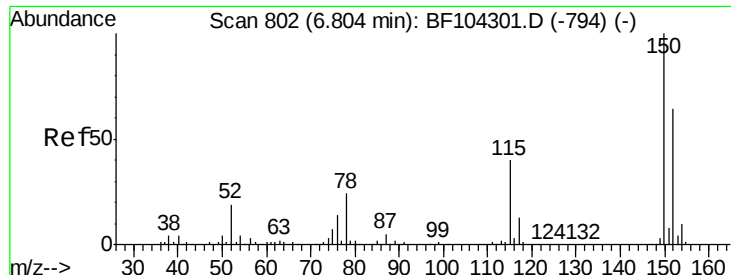
Instrument :
BNA_F
ClientSampleId :
EO-01-041118-C

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Quant Time: Apr 13 00:55:05 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

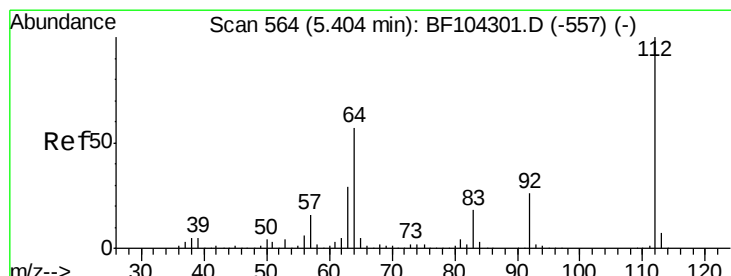
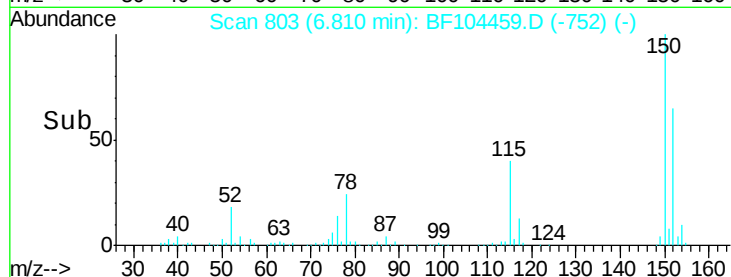
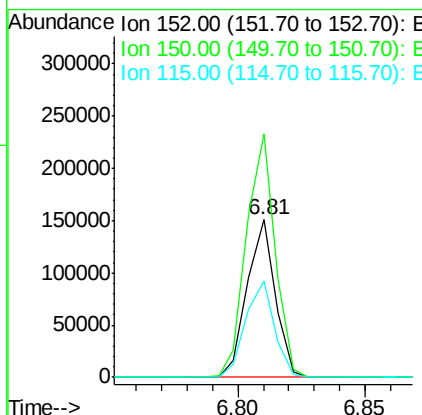
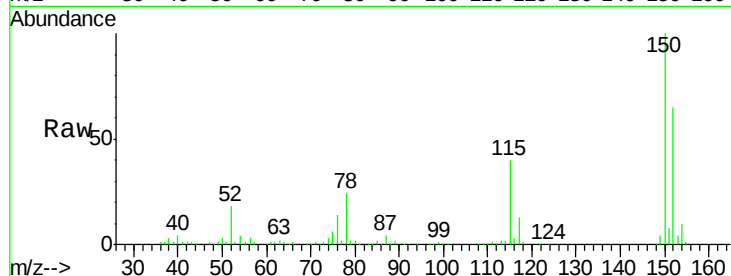
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	61.3	50.1	75.1

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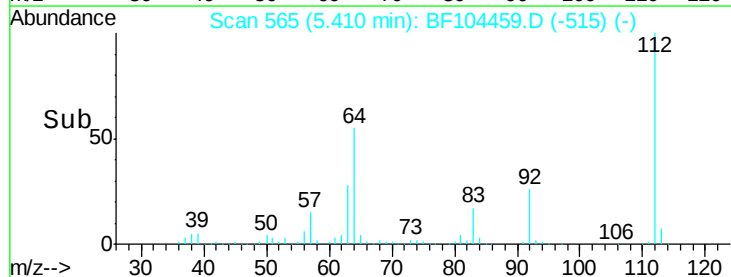
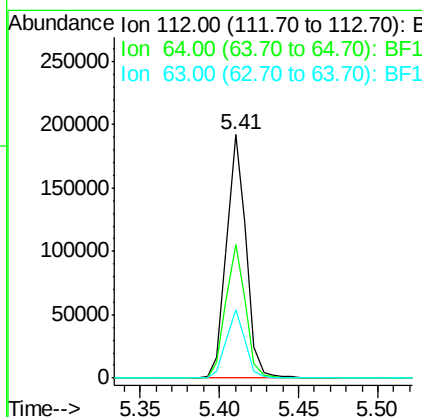
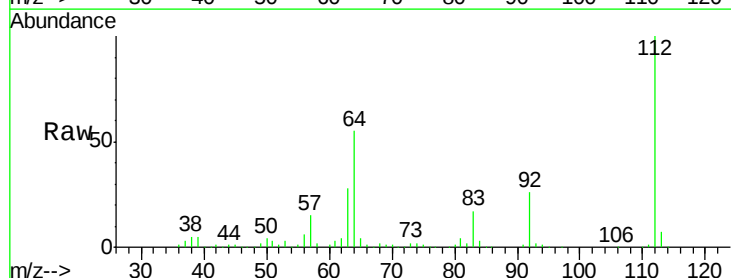
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#5

2-Fluorophenol
Concen: 21.498 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	47.9	71.9
63	28.1	23.7	35.5





#7

Phenol-d6

Concen: 21.254 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

Instrument :

BNA_F

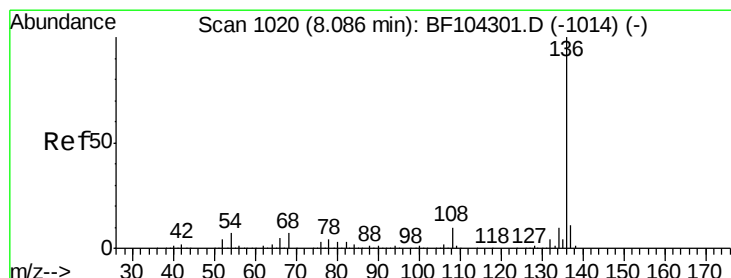
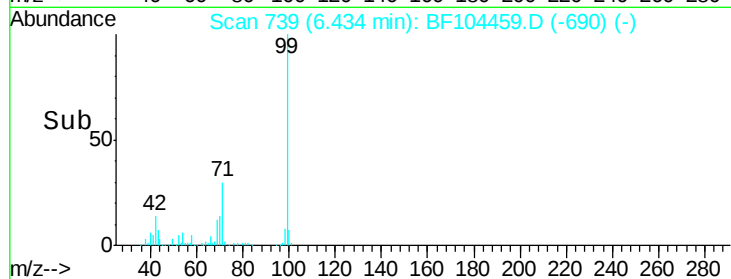
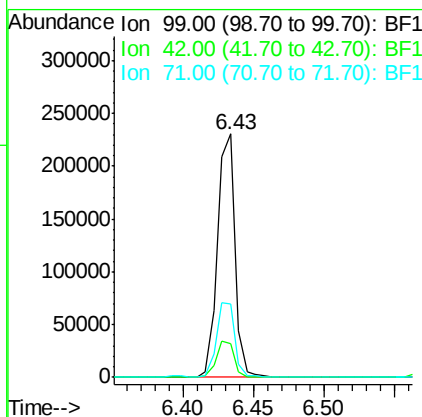
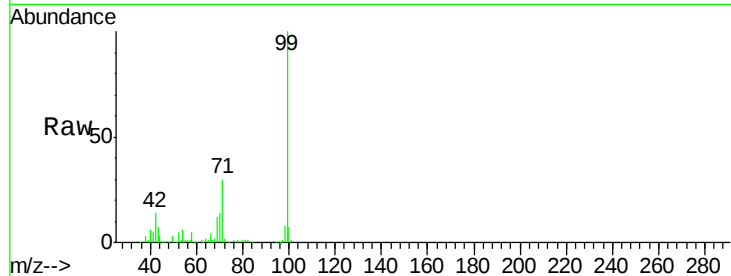
ClientSampleId :

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Tot Ion:	99	Resp:	199713
Ion Ratio	Lower	Upper	
99	100		
42	13.8	14.5	21.7#
71	30.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

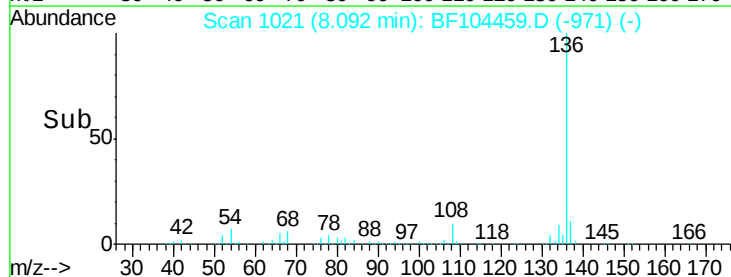
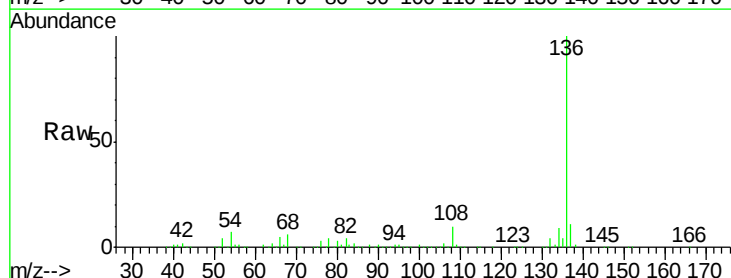
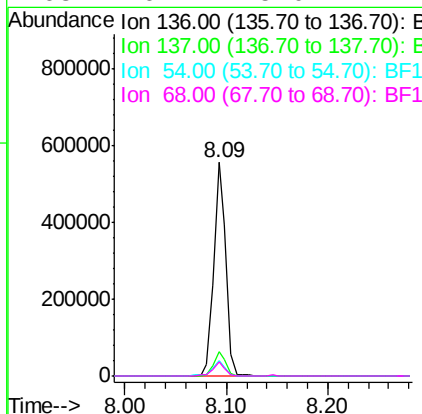
RT: 8.09 min Scan# 1021

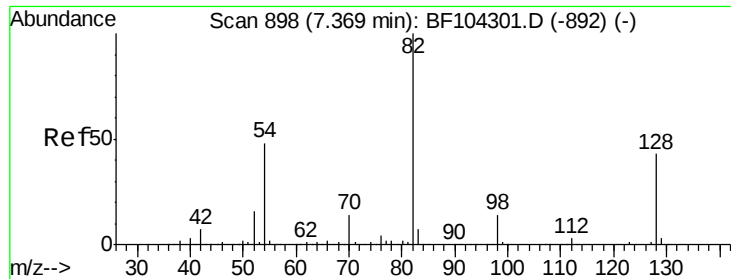
Delta R.T. -0.01 min

Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

Tgt Ion:	136	Resp:	457269
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.5	6.6	9.8
68	6.4	5.0	7.4





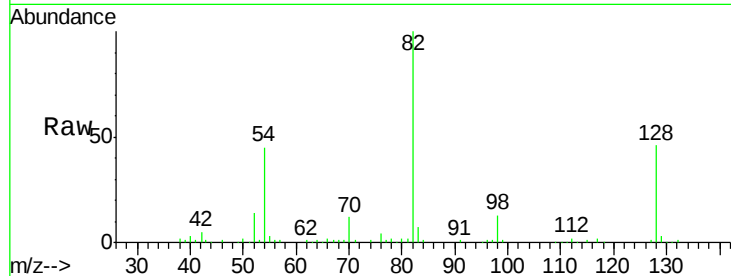
#23
Nitrobenzene-d5
Concen: 15.735 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

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

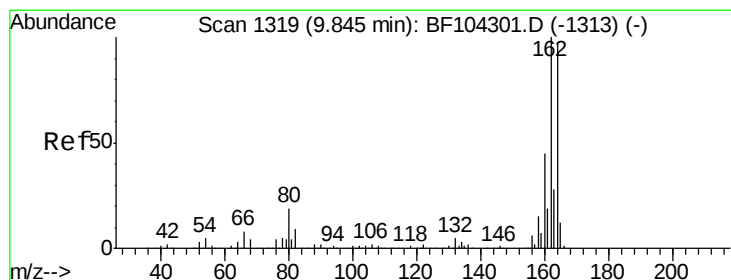
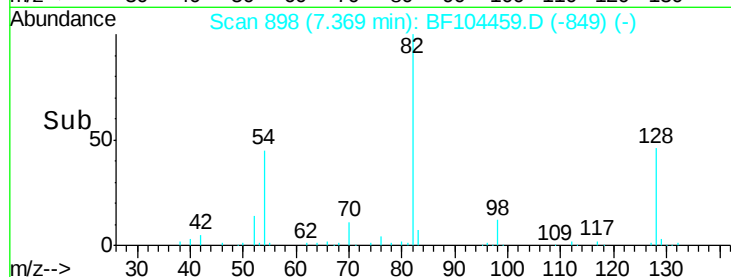
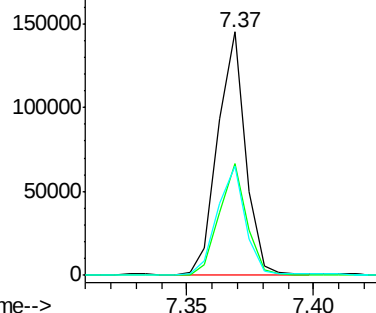
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	45.1	41.4	62.2

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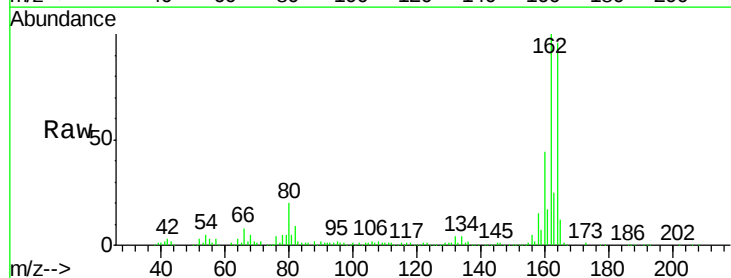


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

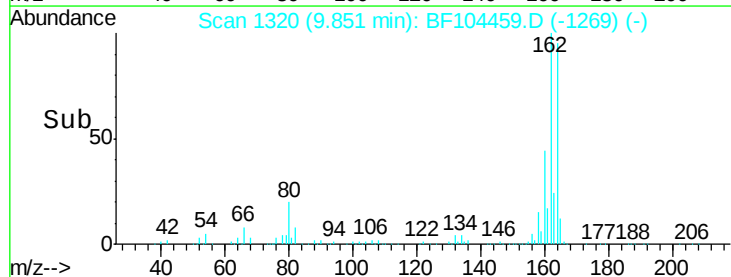
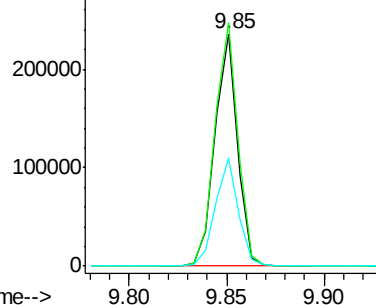


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	46.3	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





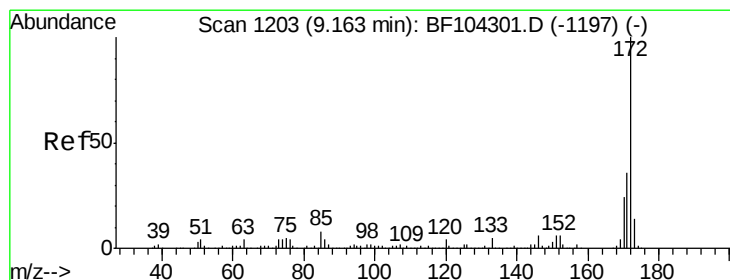
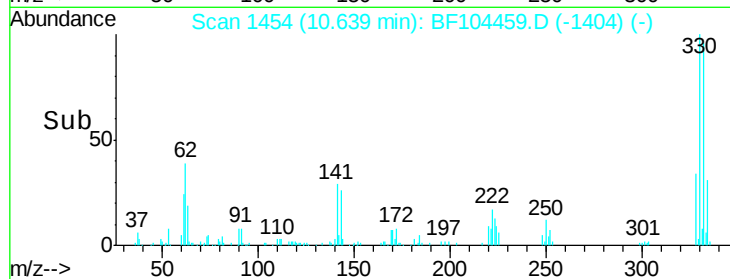
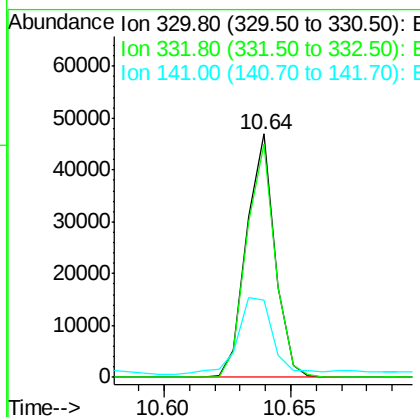
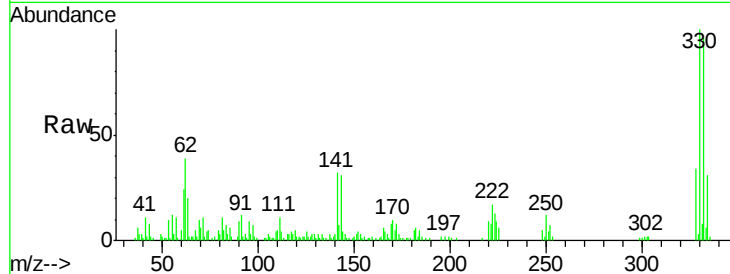
#41
 2,4,6-Tribromophenol
 Concen: 18.619 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104459.D
 Acq: 12 Apr 2018 18:56

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	77.0	115.6	
141	38.7	29.9	44.9	

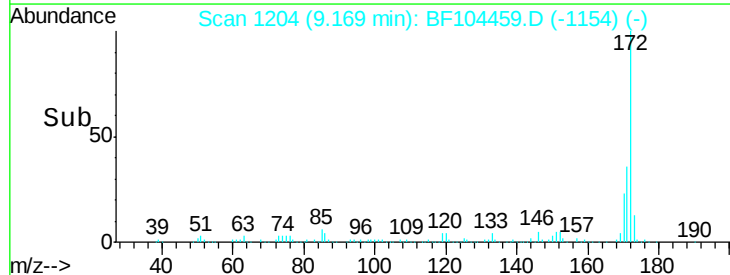
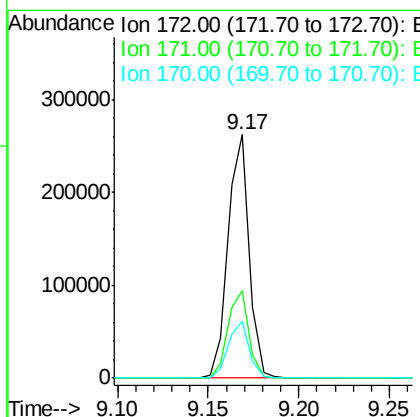
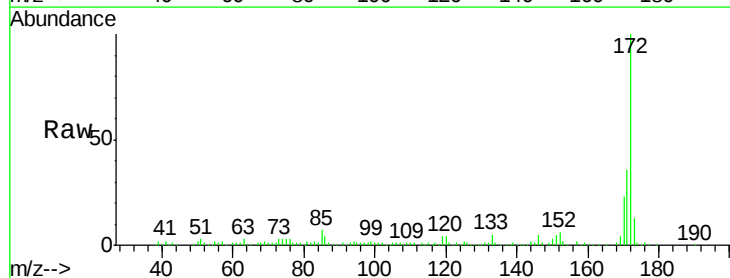
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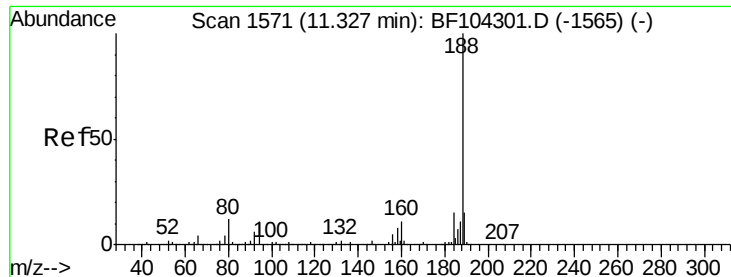
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#44
 2-Fluorobiphenyl
 Concen: 17.797 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104459.D
 Acq: 12 Apr 2018 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	23.3	19.6	29.4	





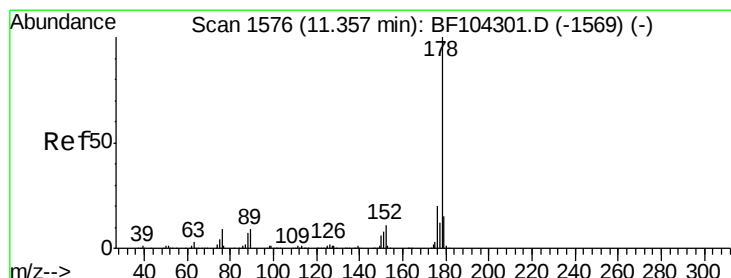
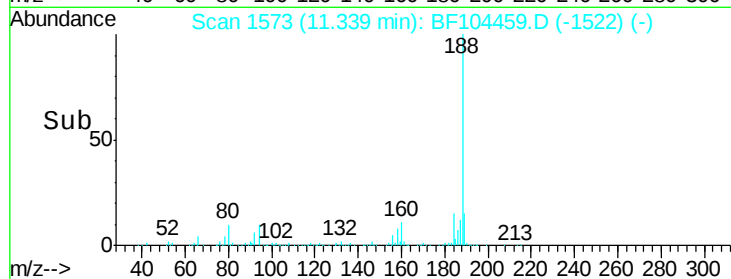
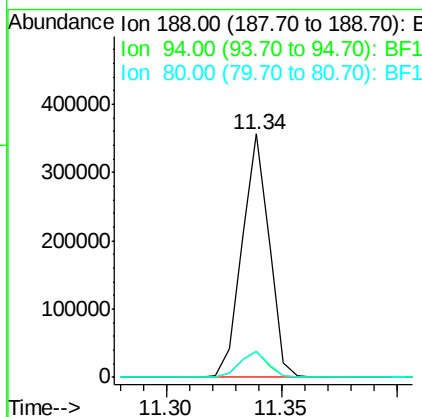
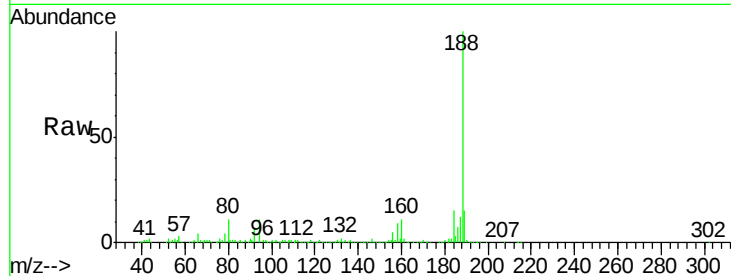
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

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

Tot Ion:188	Resp:	292259
Ion Ratio	Lower	Upper
188 100		
94 10.5	8.5	12.7
80 10.6	9.2	13.8

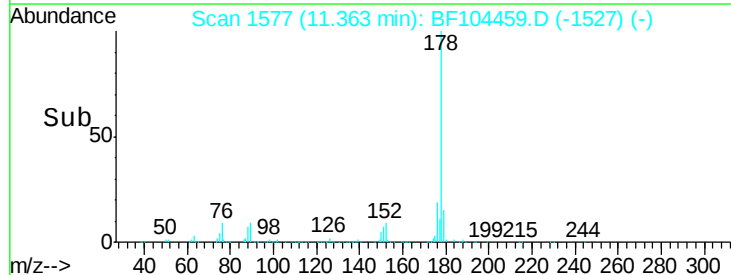
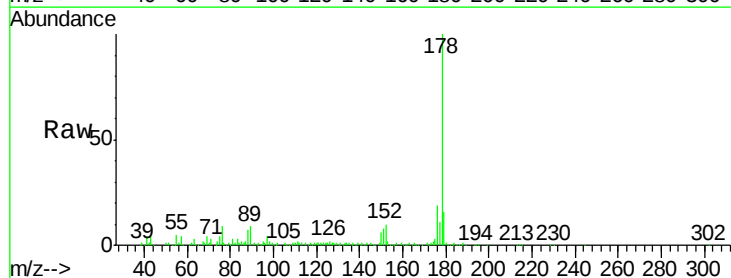
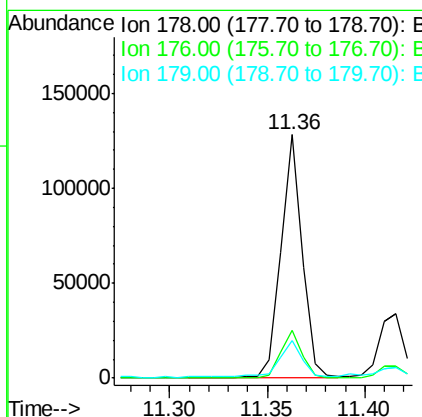
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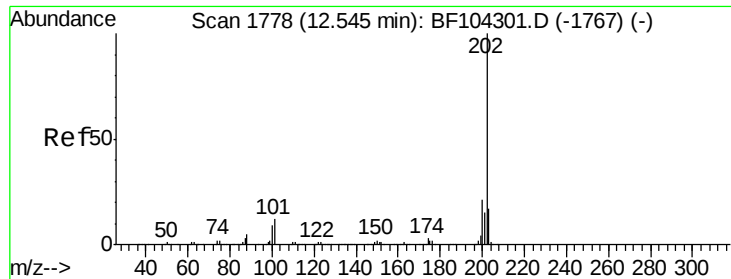
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#70
Phenanthrene
Concen: 5.970 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Tgt Ion:178	Resp:	97164
Ion Ratio	Lower	Upper
178 100		
176 19.4	15.8	23.8
179 15.6	13.0	19.6





#74

Fluoranthene

Concen: 6.307 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

Instrument :

BNA_F

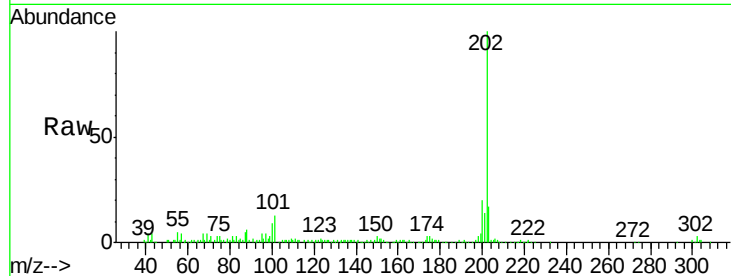
ClientSampleId :

EO-01-041118-C

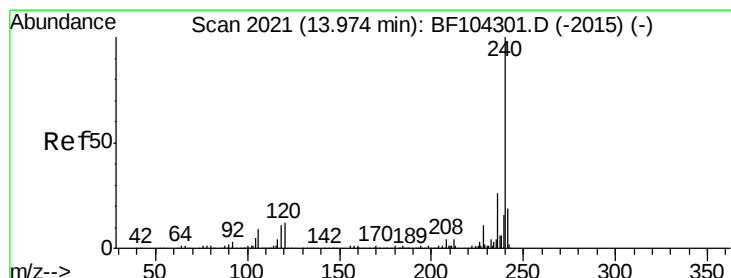
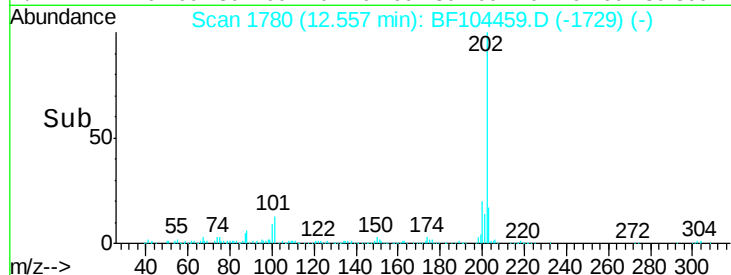
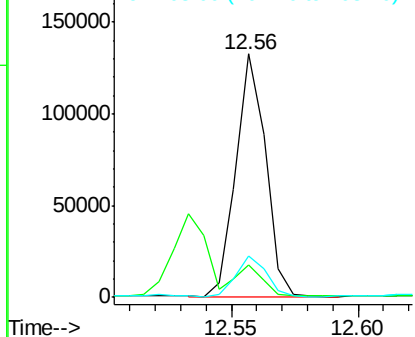
Tot Ion	Ratio	Resp	Lower	Upper
202	100	107245		
101	13.5	0.0	34.1	
203	17.1	0.0	38.1	

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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

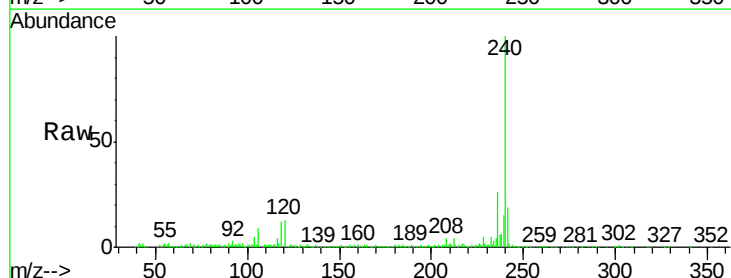
RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

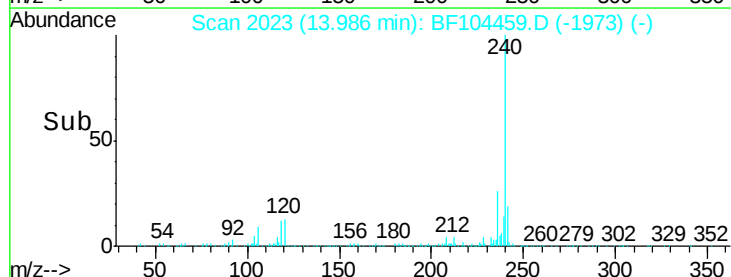
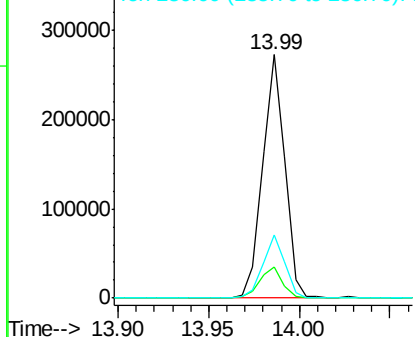
Lab File: BF104459.D

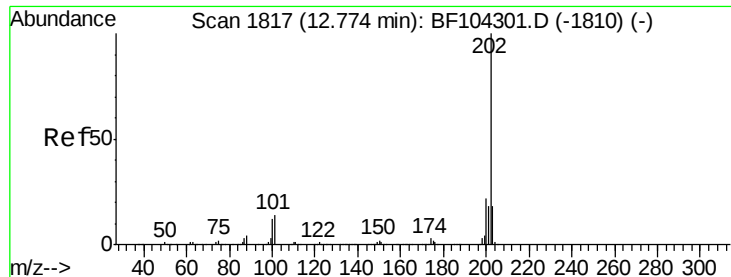
Acq: 12 Apr 2018 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	233480		
120	12.8	9.5	14.3	
236	26.0	20.7	31.1	



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

Pvrene

Concen: 7.015 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

Instrument :

BNA_F

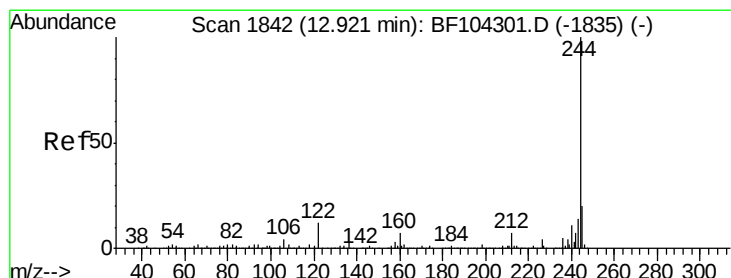
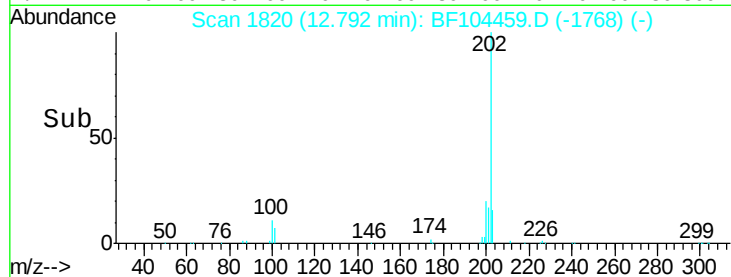
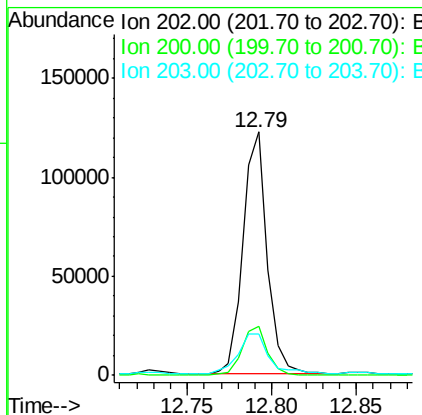
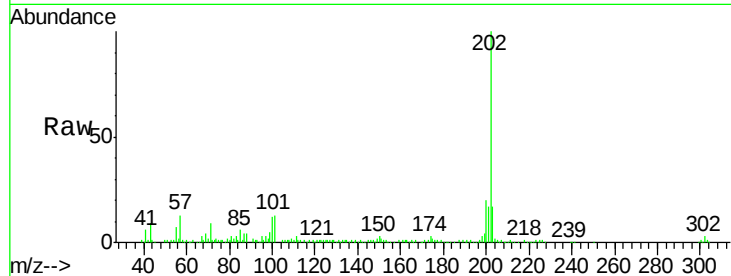
ClientSampleId :

EO-01-041118-C

Tot Ion:	202	Resp:	121408
Ion Ratio		Lower	Upper
202	100		
200	20.1	17.4	26.2
203	17.2	14.3	21.5

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#78

Terphenyl-d14

Concen: 15.726 ng

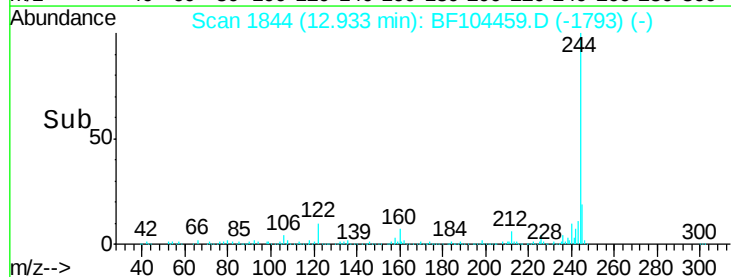
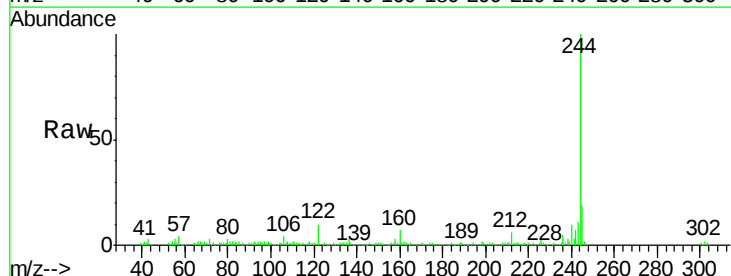
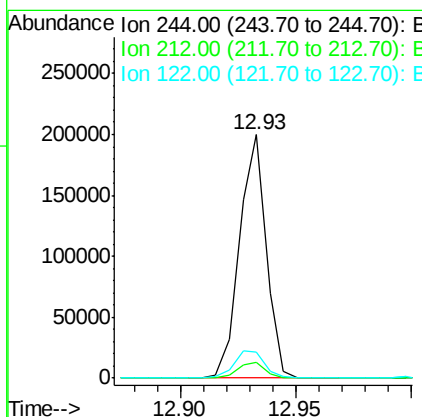
RT: 12.93 min Scan# 1844

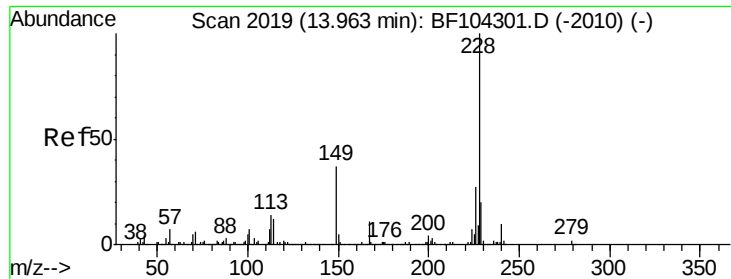
Delta R.T. 0.00 min

Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

Tgt Ion:	244	Resp:	161047
Ion Ratio		Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.4	11.0	16.4#





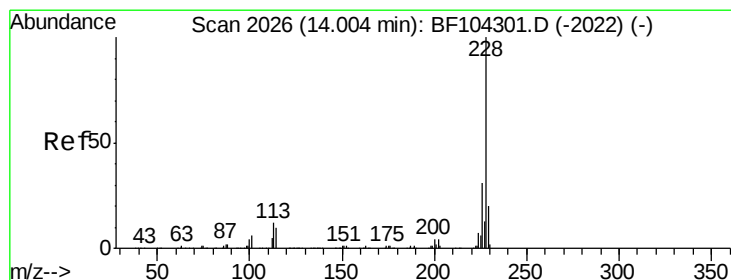
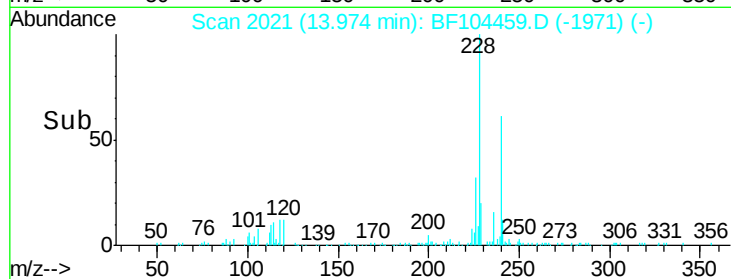
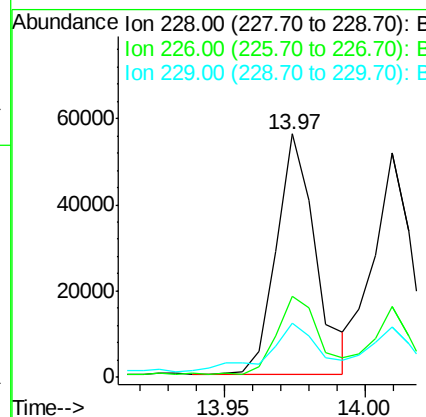
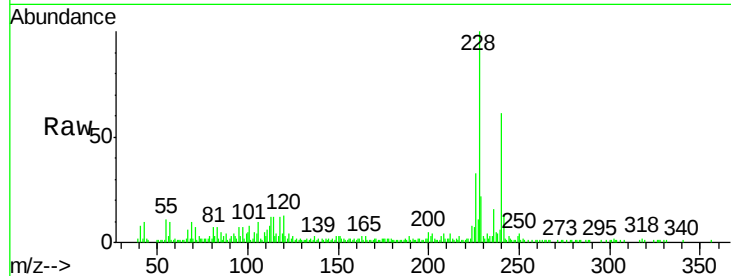
#80
Benzo(a)anthracene
Concen: 3.836 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.2	22.6	33.8
229	22.4	15.8	23.6

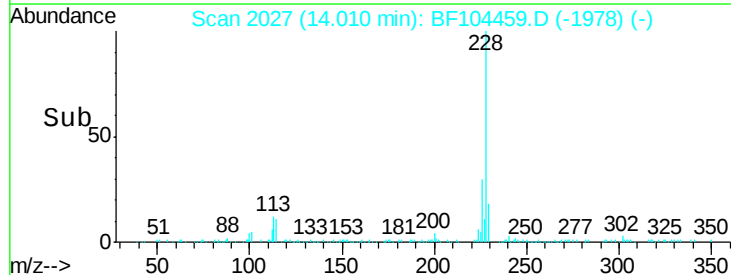
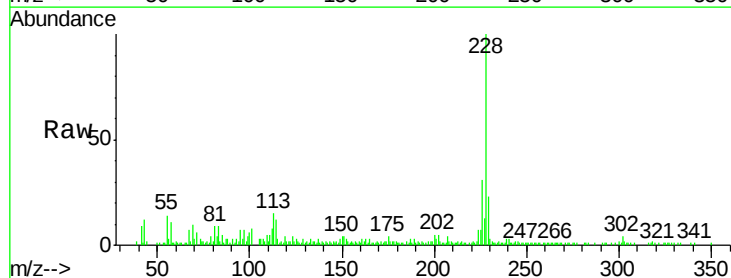
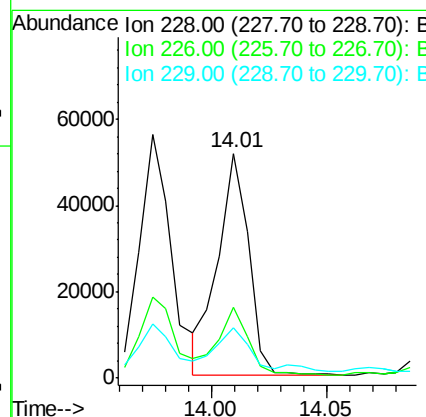
Manual Integrations
APPROVED

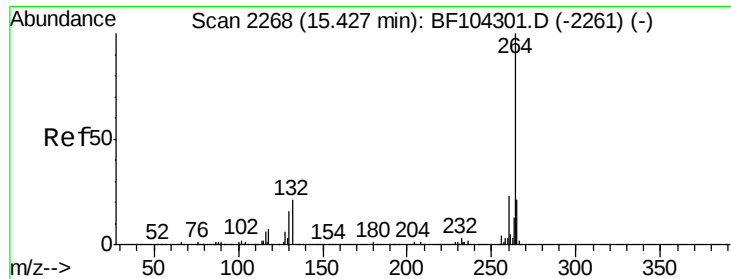
Sohil
4/13/2018 4:44:19 PM



#82
Chrysene
Concen: 3.328 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.6	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

Instrument :

BNA_F

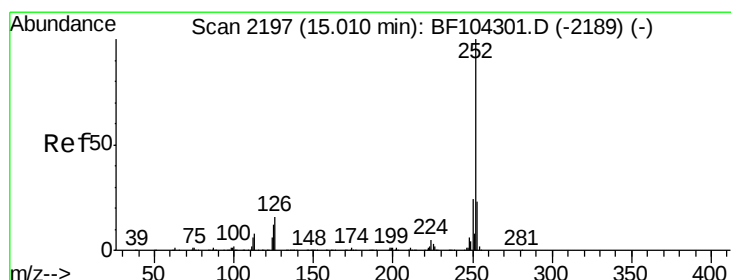
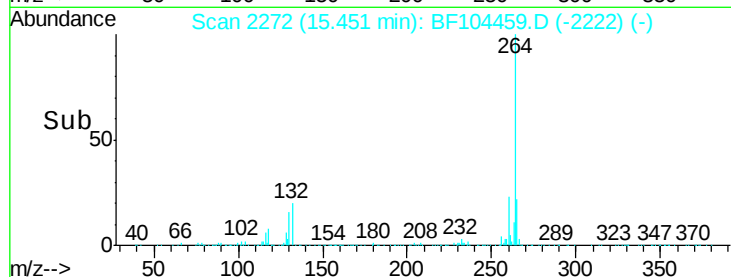
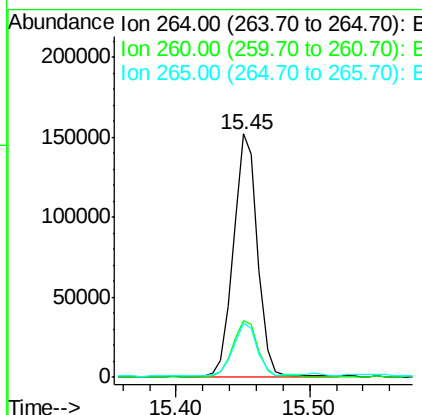
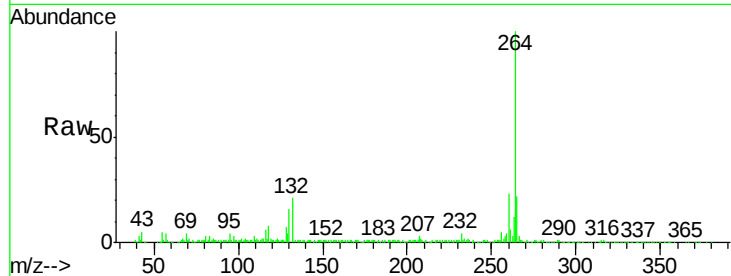
ClientSampleId :

EO-01-041118-C

Tot Ion:	264	Resp:	189271
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.2	28.8
265	22.4	17.5	26.3

Manual Integrations
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Sohil
4/13/2018 4:44:19 PM



#87

Benzo(b)fluoranthene

Concen: 4.270 ng m

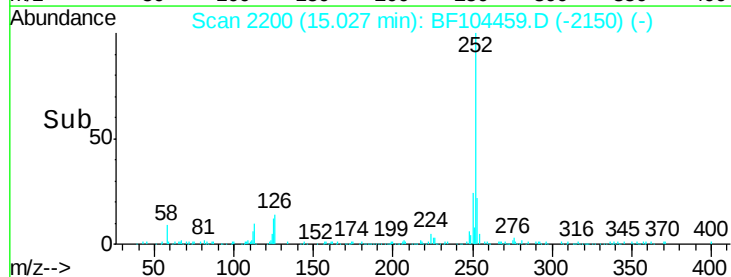
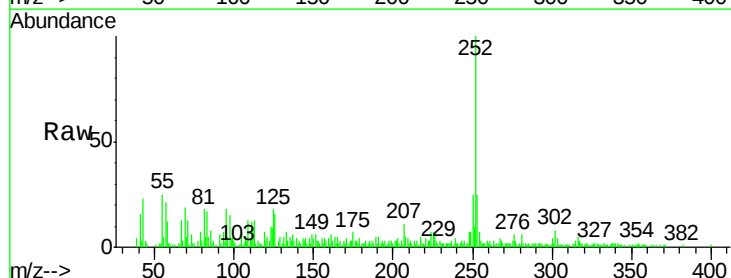
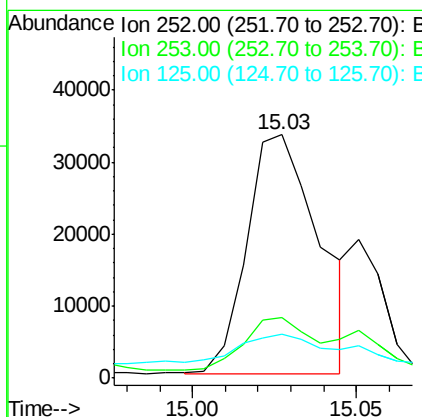
RT: 15.03 min Scan# 2200

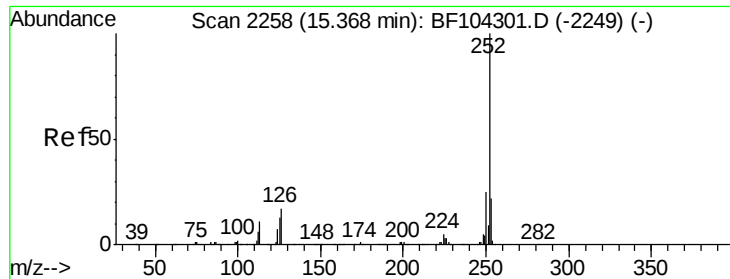
Delta R.T. -0.01 min

Lab File: BF104459.D

Acq: 12 Apr 2018 18:56

Tgt Ion:	252	Resp:	51043
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.0	25.6
125	18.1	9.0	13.6#





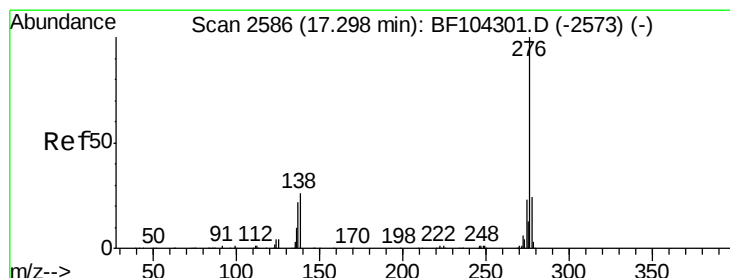
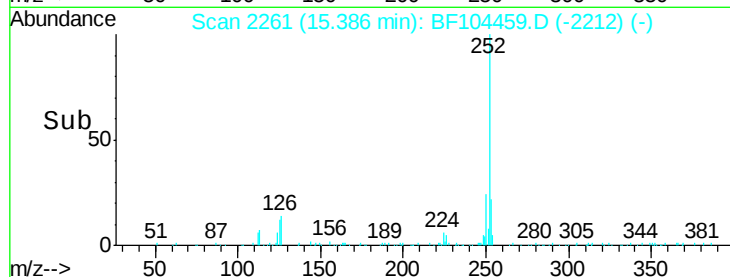
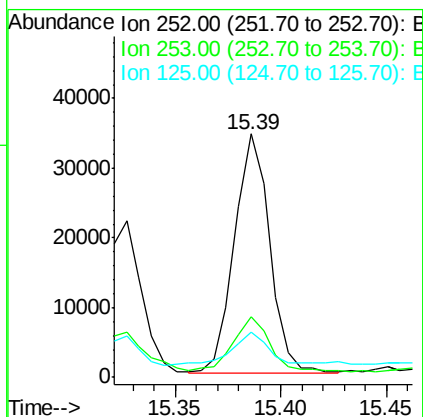
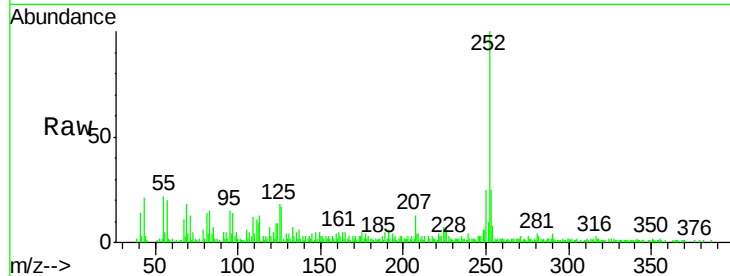
#89
Benzo(a)pyrene
Concen: 3.706 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Instrument :
BNA_F
ClientSampled :
EO-01-041118-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	18.5	9.8	14.6

Manual Integrations
APPROVED

Sohil
4/13/2018 4:44:19 PM



#91
Benzo(g,h,i)perylene
Concen: 2.485 ng
RT: 17.34 min Scan# 2594
Delta R.T. -0.02 min
Lab File: BF104459.D
Acq: 12 Apr 2018 18:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	17.9	26.9
138	27.9	21.8	32.8

