

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102655.D
 Acq On : 30 Jan 2018 22:24
 Operator : SJ/JU
 Sample : J1019-11 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-012918-A

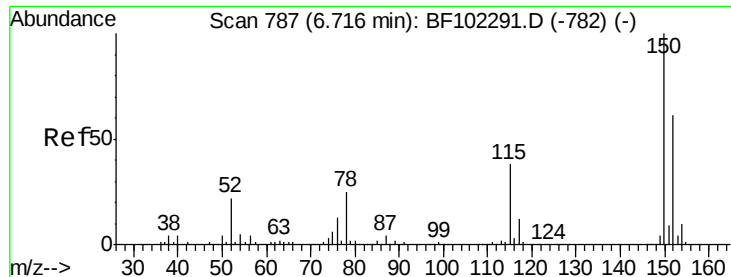
Manual Integrations
 APPROVED

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 1/31/2018 2:00:32 PM

Quant Time: Jan 31 03:22:36 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	164016	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	670149	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	267266	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	387596	20.00	ng	0.00
75) Chrysene-d12	13.88	240	306395	20.00	ng	0.00
86) Perylene-d12	15.31	264	261146	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	128178	11.85	ng	0.00
7) Phenol-d6	6.36	99	161978	12.42	ng	0.00
23) Nitrobenzene-d5	7.28	82	99573	8.54	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	20201	7.63	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	185425	10.20	ng	0.00
78) Terphenyl-d14	12.82	244	120383	8.86	ng	0.00
Target Compounds						
70) Phenanthrene	11.26	178	108510	4.804	ng	99
74) Fluoranthene	12.45	202	290972	12.633	ng	99
77) Pyrene	12.69	202	267532	11.293	ng	99
80) Benzo(a)anthracene	13.87	228	136415m	7.232	ng	
82) Chrysene	13.90	228	123282m	6.436	ng	
85) Indeno(1,2,3-cd)pyrene	16.72	276	48961	3.095	ng	97
87) Benzo(b)fluoranthene	14.90	252	156015m	9.217	ng	
88) Benzo(k)fluoranthene	14.93	252	61079m	3.819	ng	
89) Benzo(a)pyrene	15.25	252	117785	7.716	ng	# 93
91) Benzo(g,h,i)perylene	17.14	276	46403	3.800	ng	# 89

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



#1

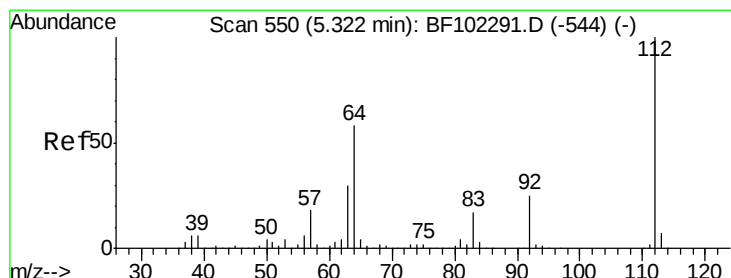
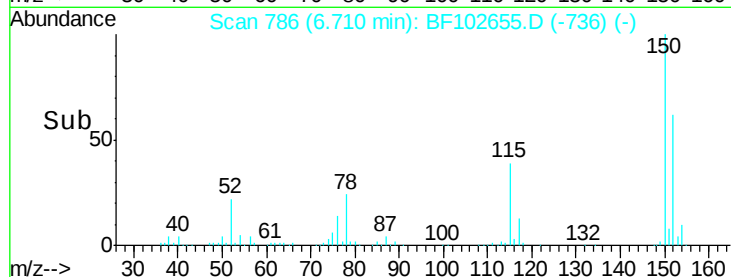
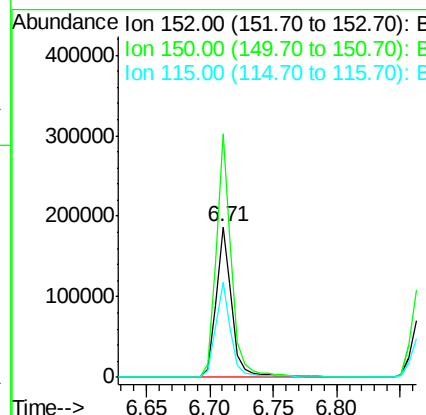
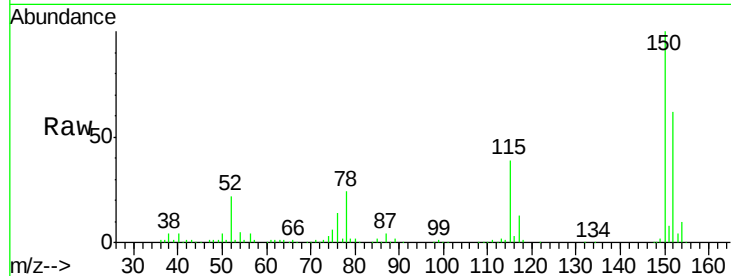
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102655.D
 Acq: 30 Jan 2018 22:24

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-012918-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	124.6	186.8
115	63.7	50.1	75.1

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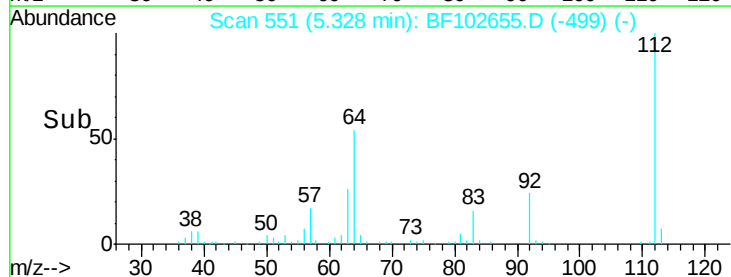
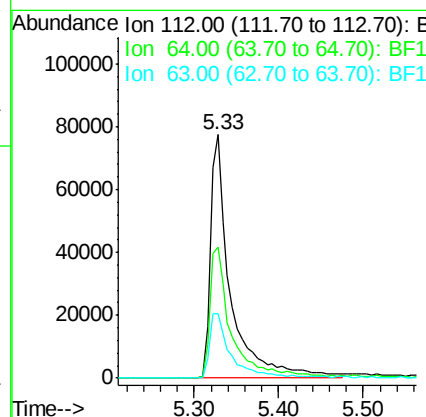
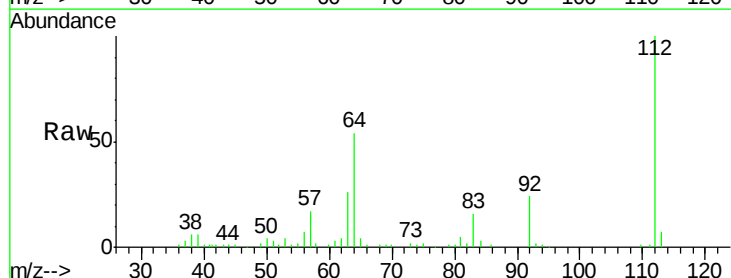
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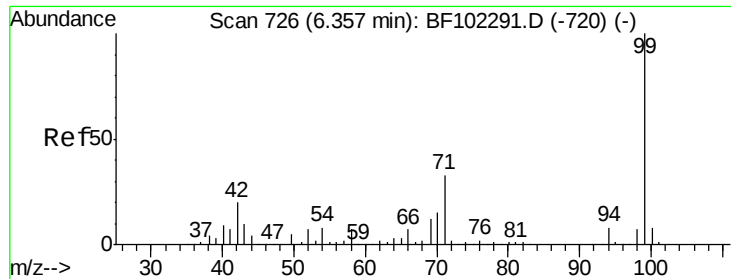


#5

2-Fluorophenol
 Concen: 11.850 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102655.D
 Acq: 30 Jan 2018 22:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	47.9	71.9
63	26.4	23.7	35.5





#7

Phenol-d6

Concen: 12.421 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Instrument :

BNA_F

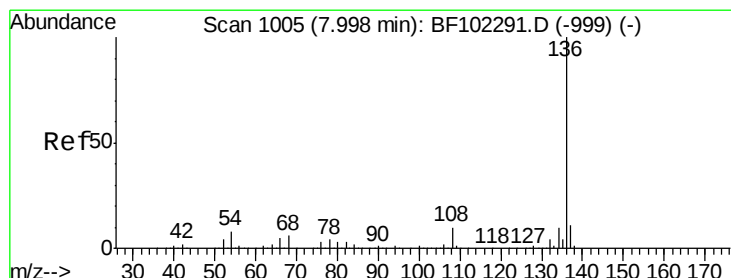
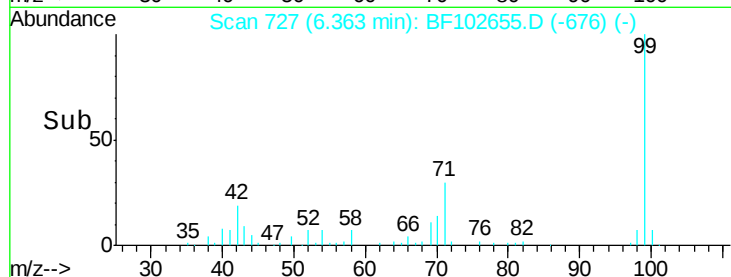
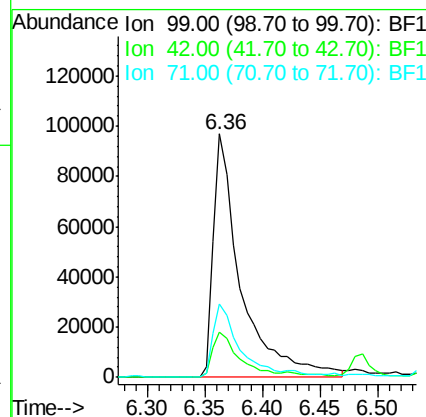
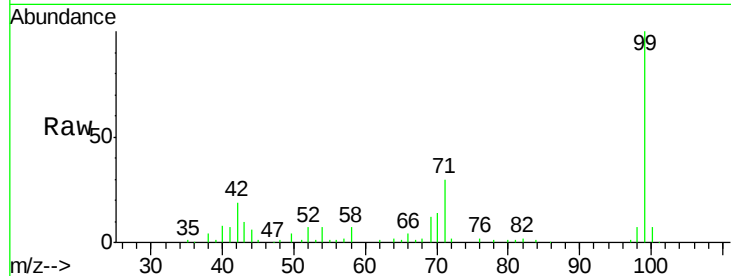
ClientSampleId :

EO-03-012918-A

Tot Ion:	99	Resp:	161978
Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.5	21.7
71	30.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

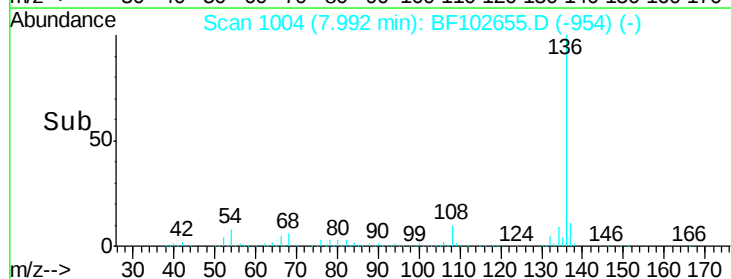
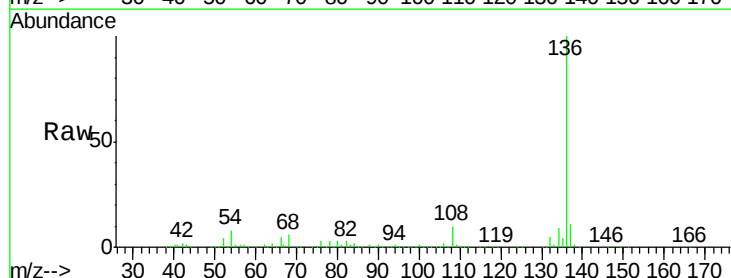
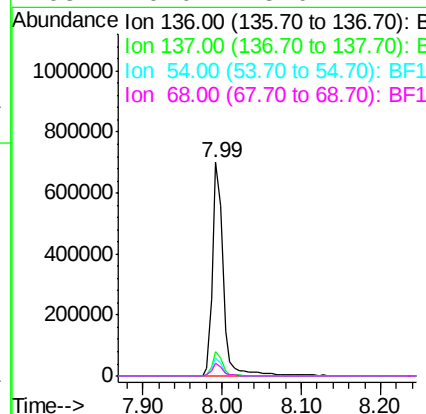
RT: 7.99 min Scan# 1004

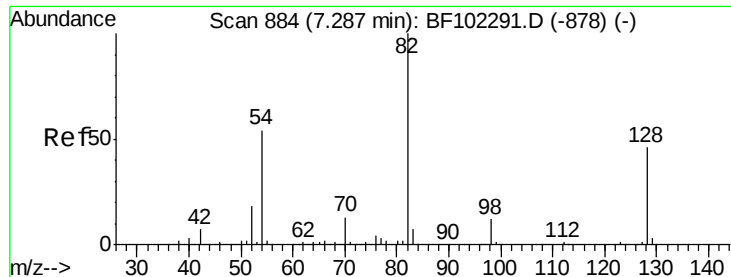
Delta R.T. -0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Tgt Ion:	136	Resp:	670149
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.4	6.6	9.8
68	6.0	5.0	7.4





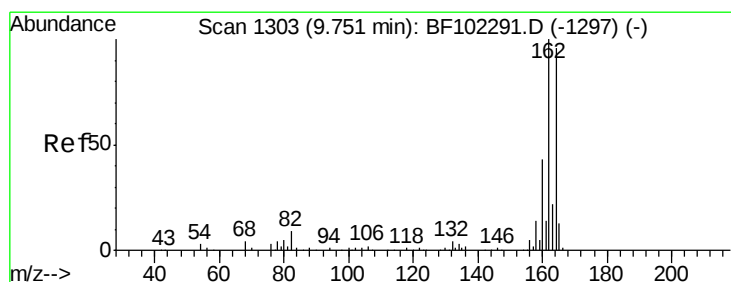
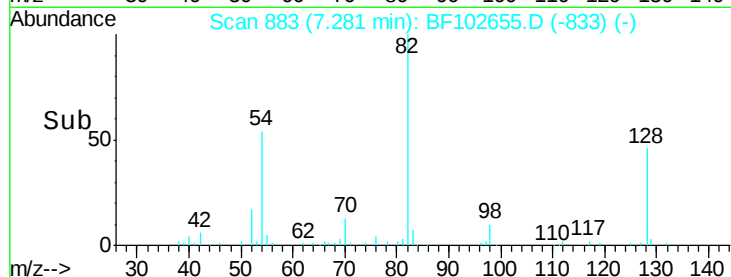
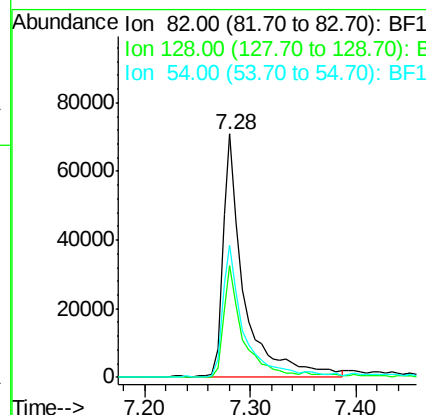
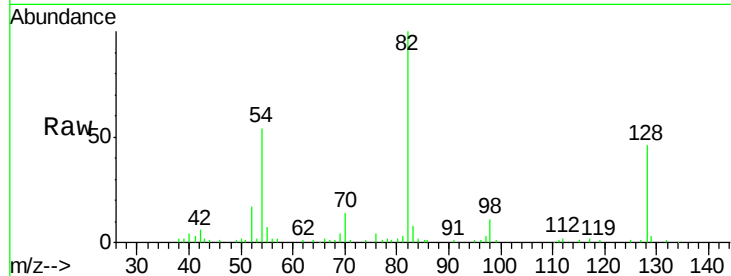
#23
Nitrobenzene-d5
Concen: 8.539 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102655.D
Acq: 30 Jan 2018 22:24

Instrument :
BNA_F
ClientSampleId :
EO-03-012918-A

Tot Ion	82	Resp	99573
Ion Ratio	100	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	54.1	41.4	62.2

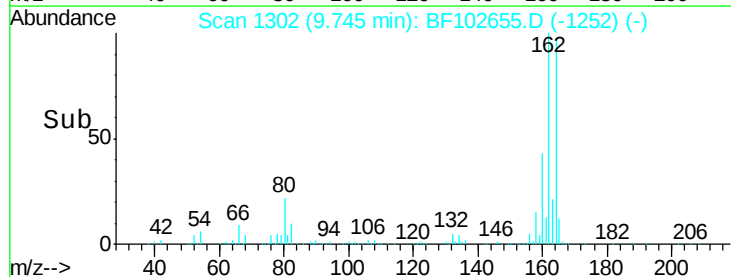
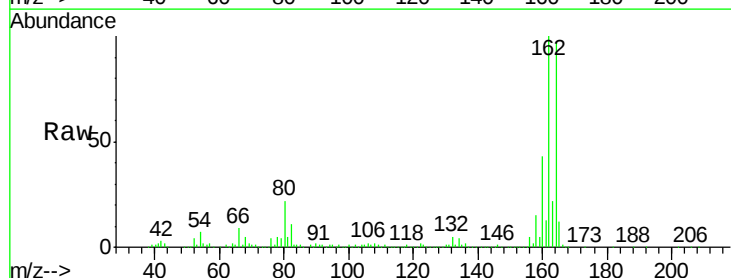
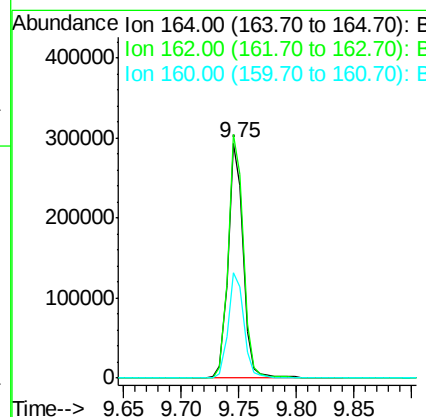
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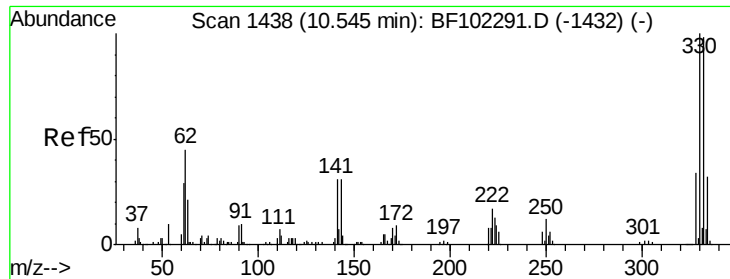
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF102655.D
Acq: 30 Jan 2018 22:24

Tgt Ion	164	Resp	267266
Ion Ratio	100	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	44.6	38.3	57.5





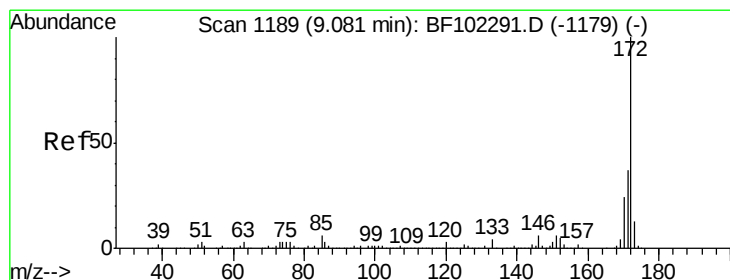
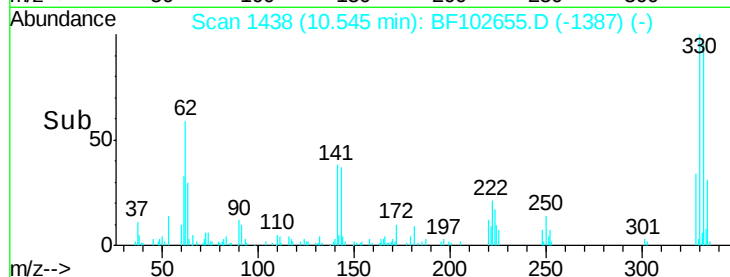
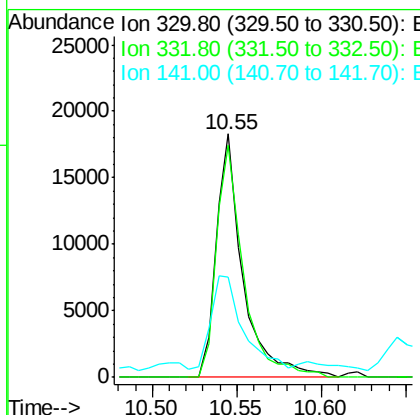
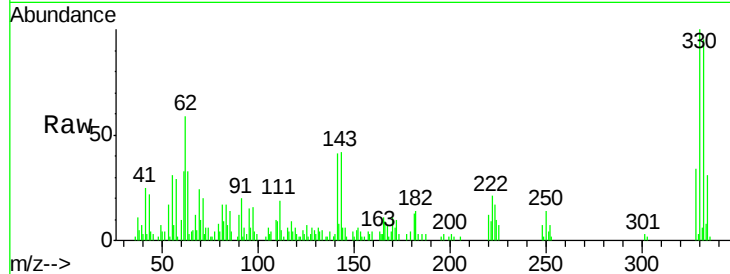
#41
 2,4,6-Tribromophenol
 Concen: 7.628 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102655.D
 Acq: 30 Jan 2018 22:24

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-012918-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	44.9	29.9	44.9

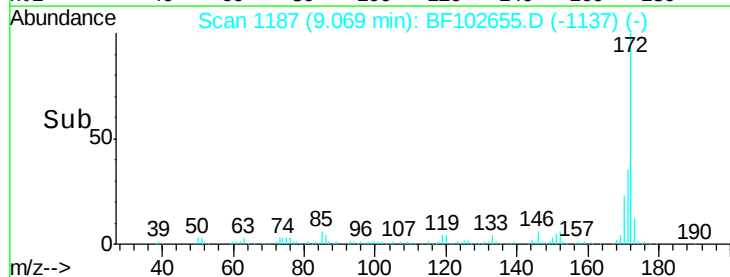
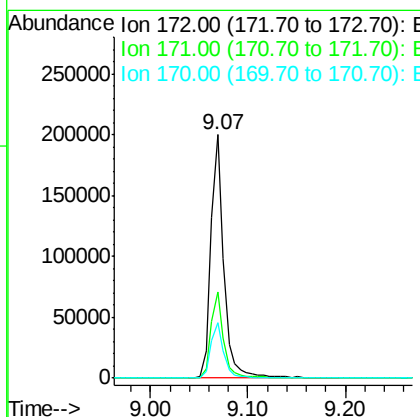
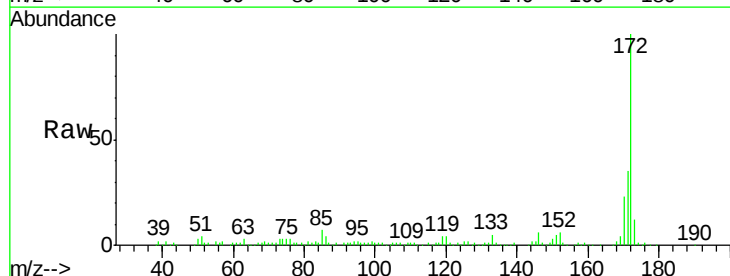
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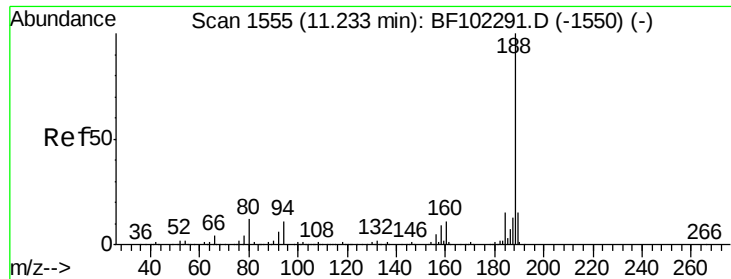
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#44
 2-Fluorobiphenyl
 Concen: 10.201 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102655.D
 Acq: 30 Jan 2018 22:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	22.9	19.6	29.4





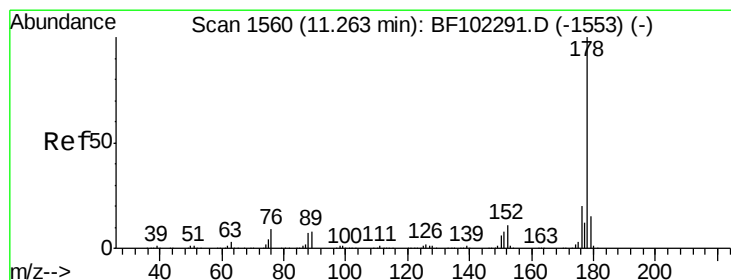
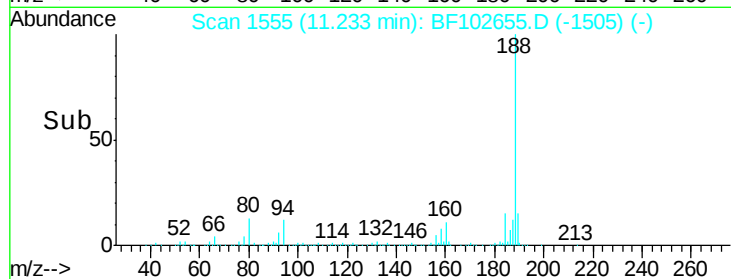
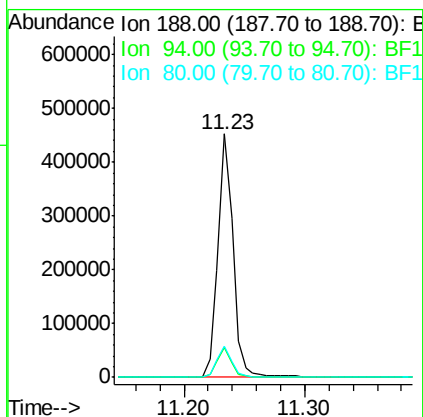
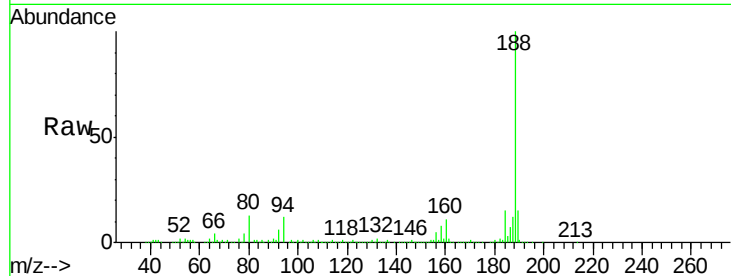
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102655.D
Acq: 30 Jan 2018 22:24

Instrument :
BNA_F
ClientSampleId :
EO-03-012918-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	387596		
94	12.2		8.5	12.7
80	12.6		9.2	13.8

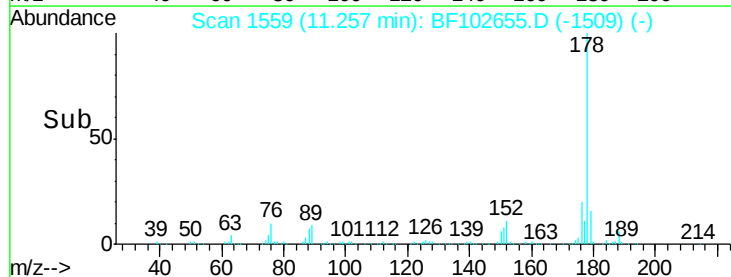
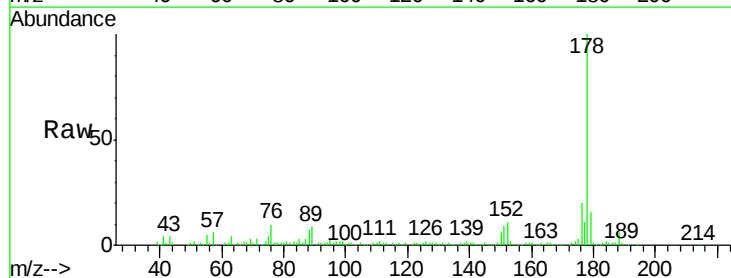
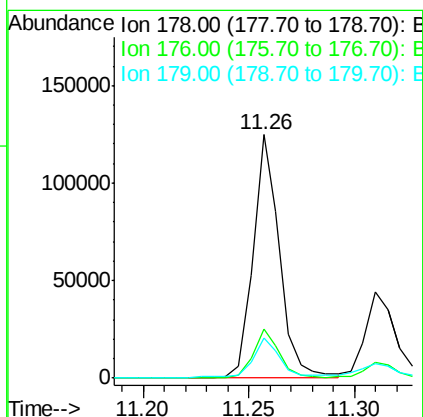
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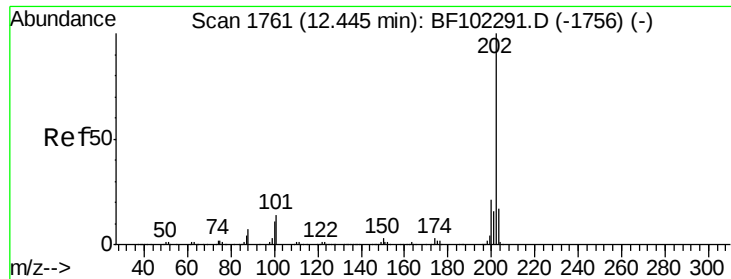
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#70
Phenanthrene
Concen: 4.804 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102655.D
Acq: 30 Jan 2018 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	108510		
176	20.2		15.8	23.8
179	16.2		13.0	19.6





#74

Fluoranthene

Concen: 12.633 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Instrument :

BNA_F

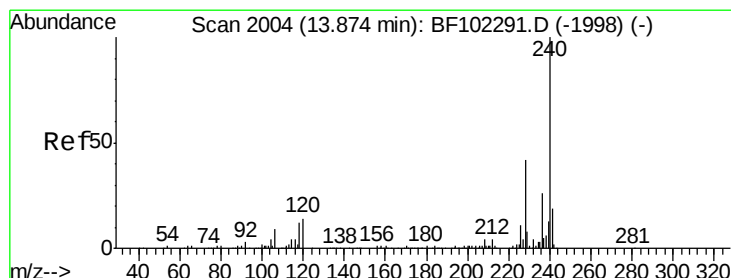
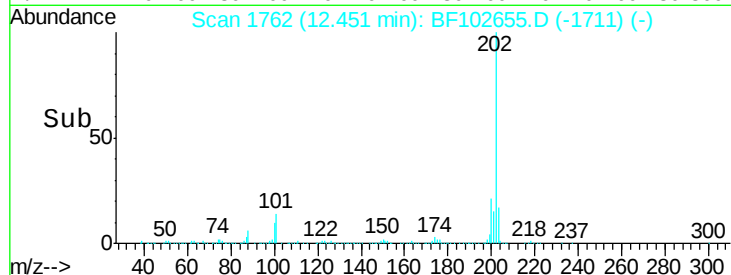
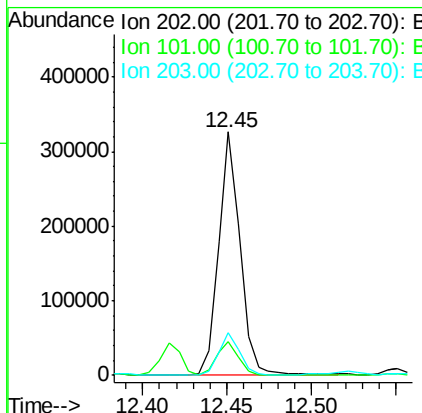
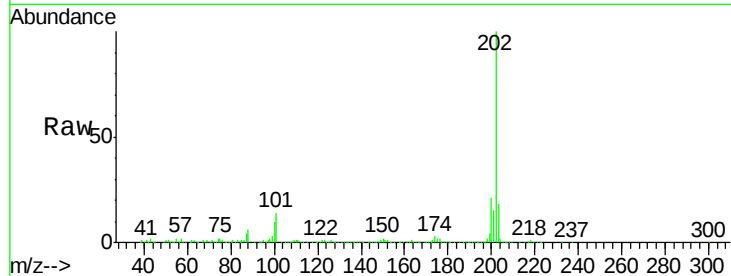
ClientSampleId :

EO-03-012918-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		290972		
101	13.6	0.0	34.1		
203	17.6	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

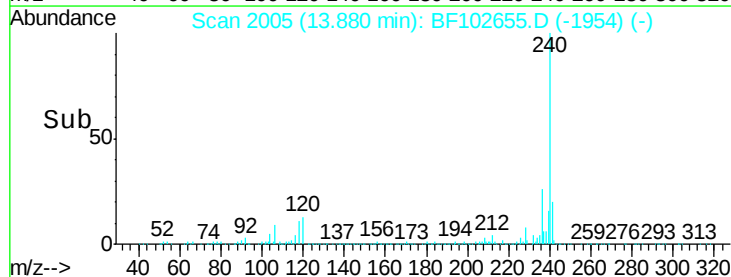
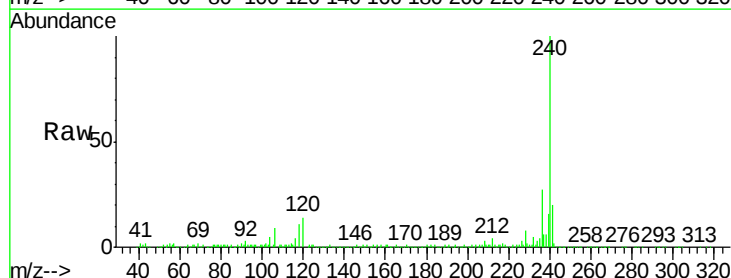
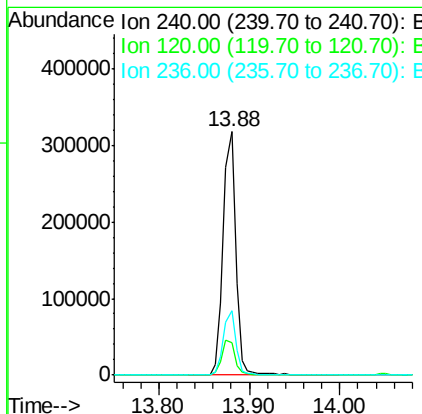
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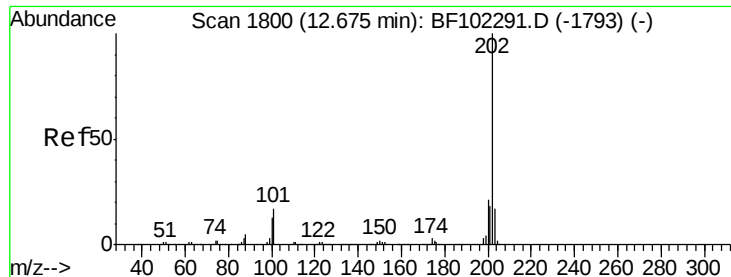
Delta R.T. 0.00 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		306395		
120	13.6	9.5	14.3		
236	26.6	20.7	31.1		





#77

Pvrene

Concen: 11.293 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Instrument :

BNA_F

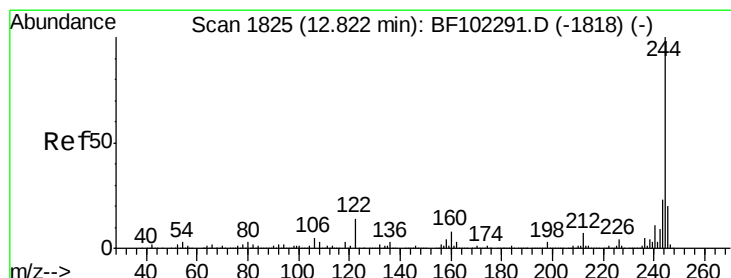
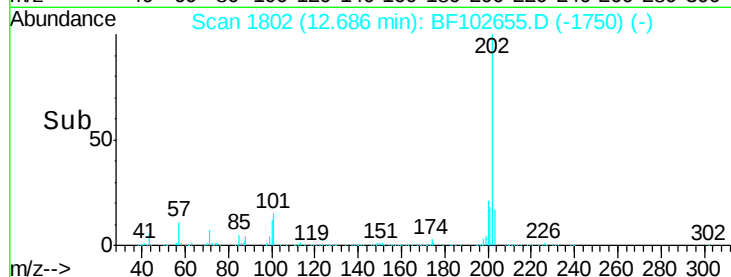
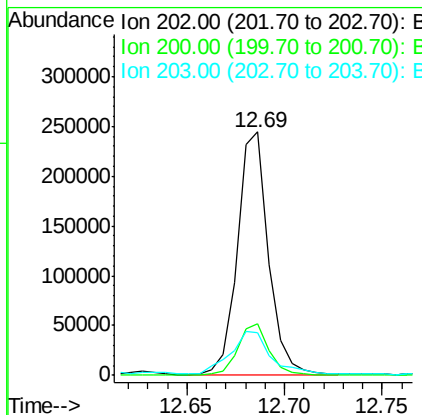
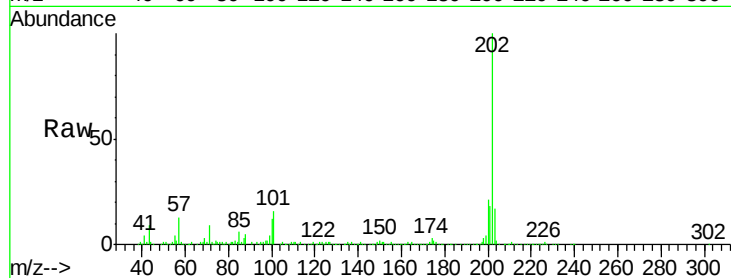
ClientSampleId :

EO-03-012918-A

Tot Ion:	202	Resp:	267532
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 8.857 ng

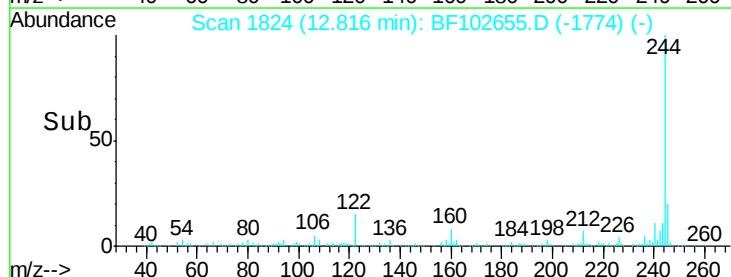
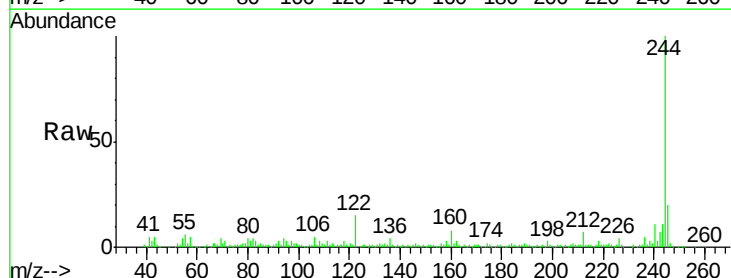
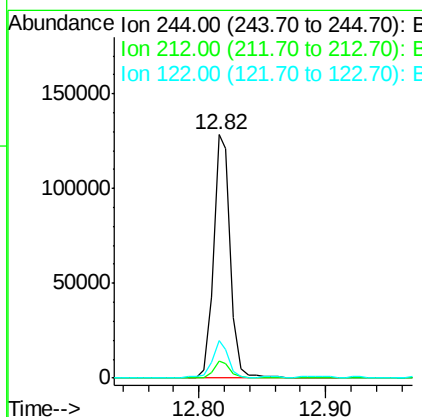
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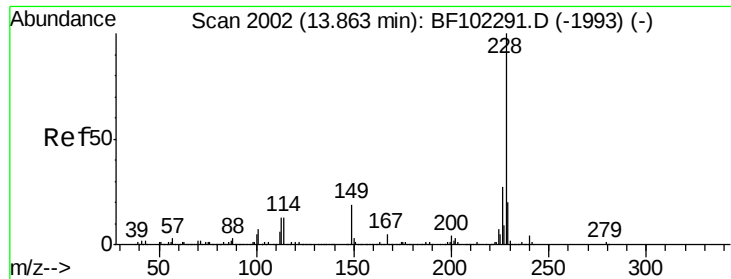
Delta R.T. -0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Tgt Ion:	244	Resp:	120383
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	15.4	11.0	16.4





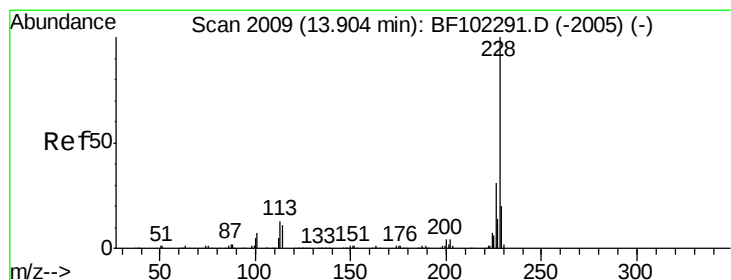
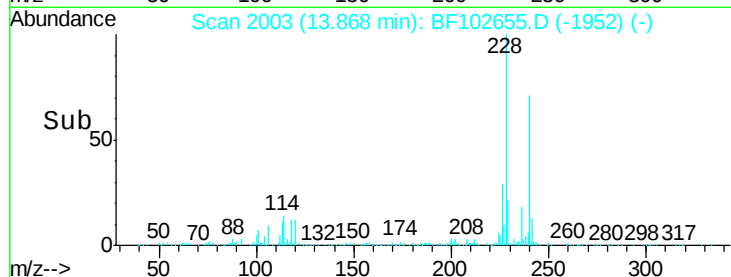
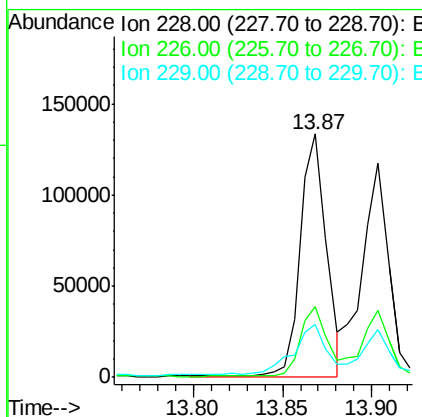
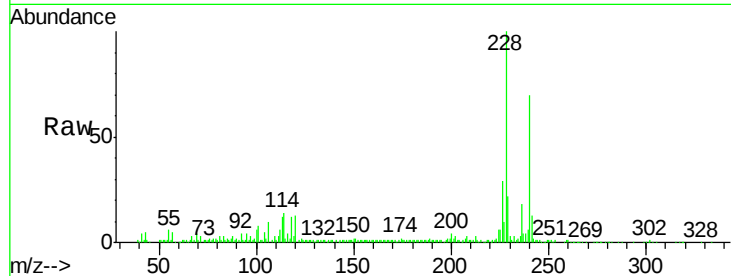
#80
Benzo(a)anthracene
Concen: 7.232 ng m
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF102655.D
Acq: 30 Jan 2018 22:24

Instrument :
BNA_F
ClientSampleId :
EO-03-012918-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	21.5	15.8	23.6

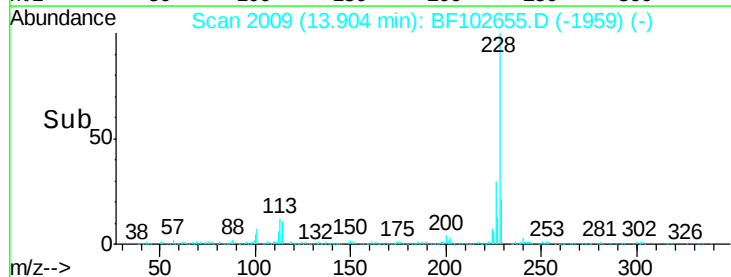
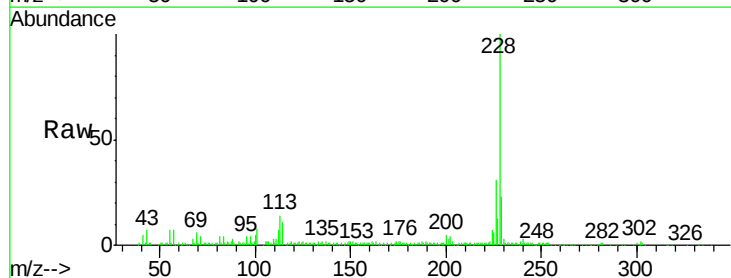
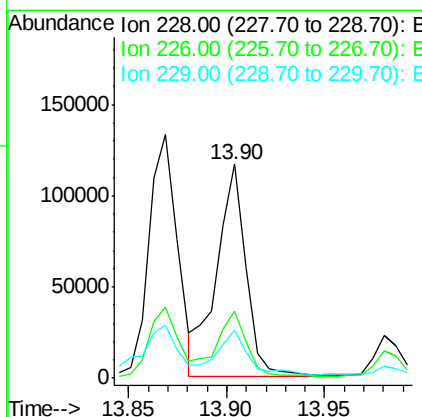
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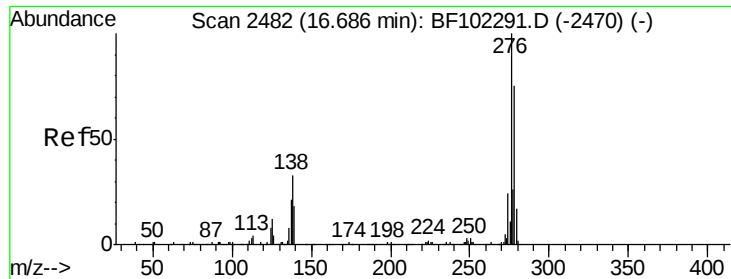
Sohil
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#82
Chrysene
Concen: 6.436 ng m
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102655.D
Acq: 30 Jan 2018 22:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.6	16.2	24.4





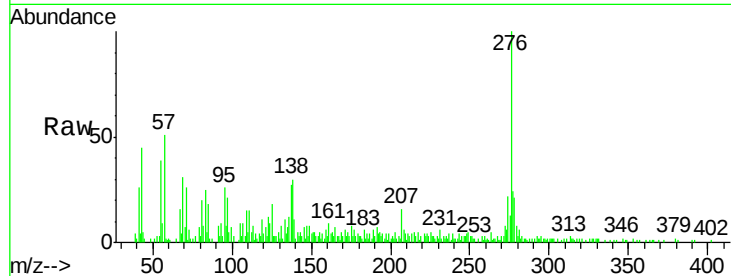
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.095 ng
RT: 16.72 min Scan# 2487
Delta R.T. 0.01 min
Lab File: BF102655.D
Acq: 30 Jan 2018 22:24

Instrument :
BNA_F
ClientSampleId :
EO-03-012918-A

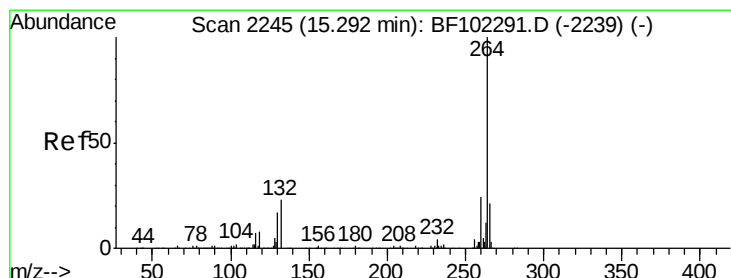
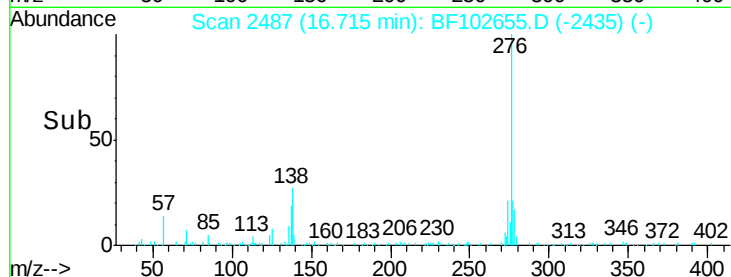
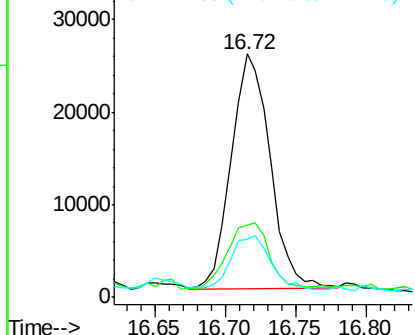
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.7	25.0	37.6
277	22.7	20.1	30.1

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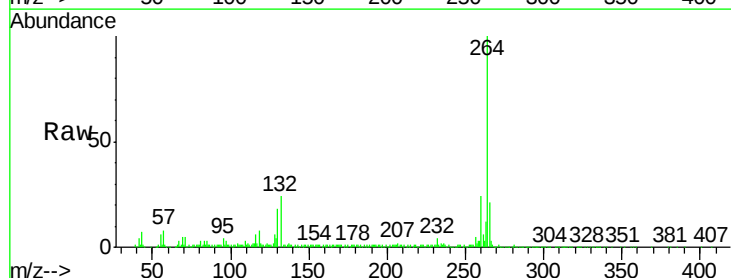


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

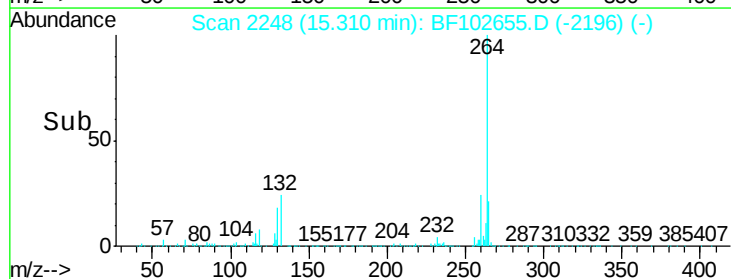
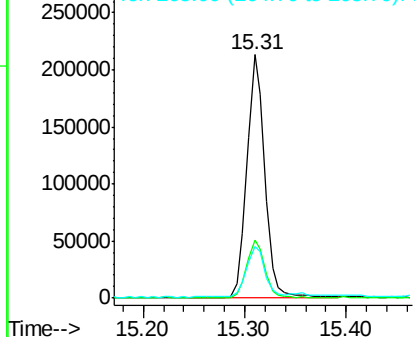


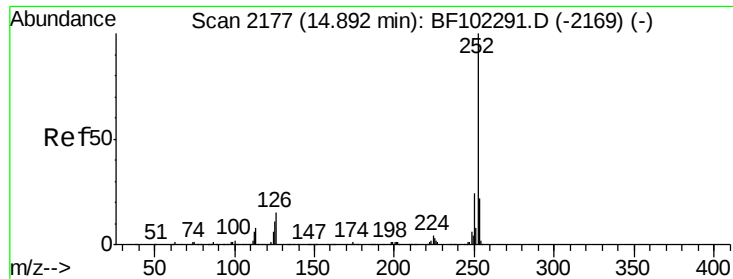
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102655.D
Acq: 30 Jan 2018 22:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.3	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.217 ng m

RT: 14.90 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Instrument :

BNA_F

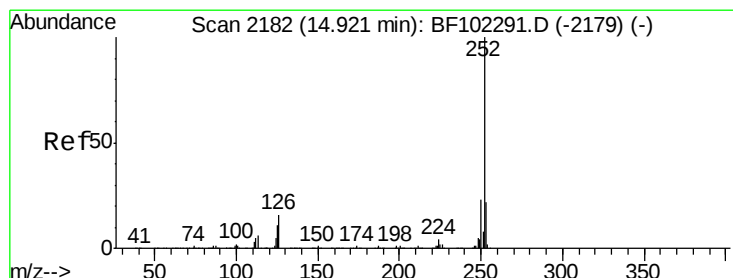
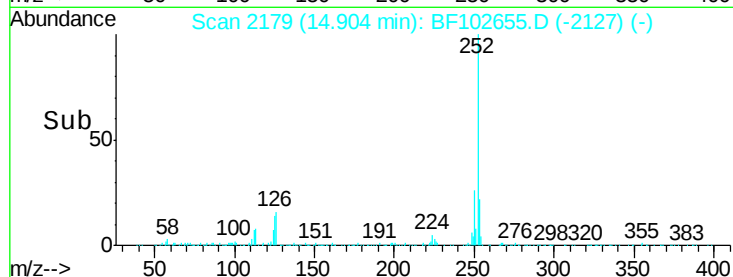
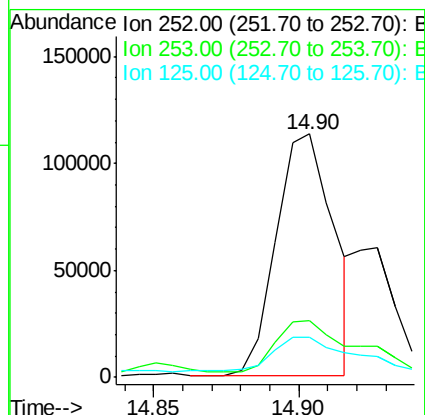
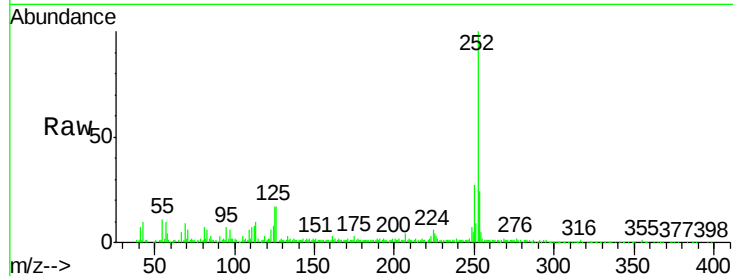
ClientSampleId :

EO-03-012918-A

Tot Ion:	252	Resp:	156015
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.0	25.6
125	16.5	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 3.819 ng m

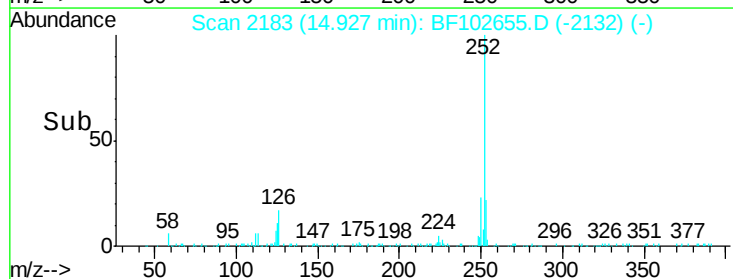
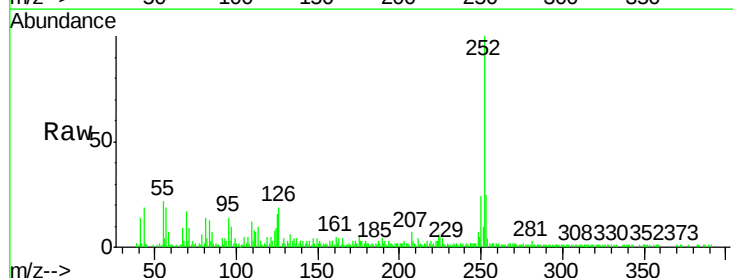
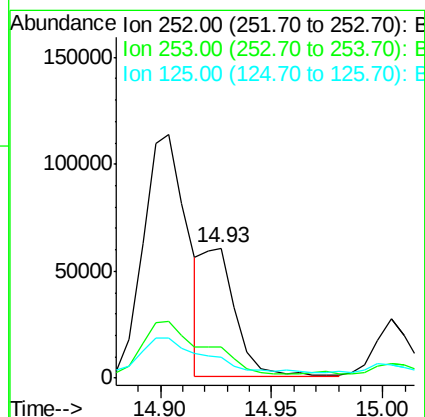
RT: 14.93 min Scan# 2183

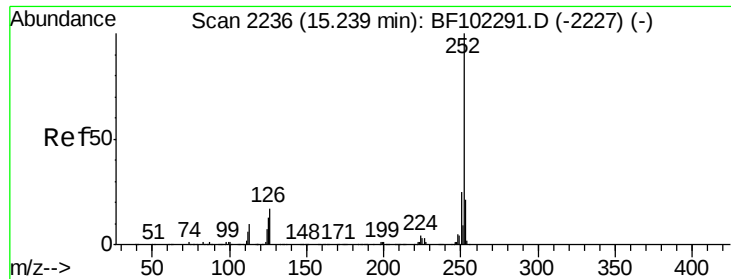
Delta R.T. 0.00 min

Lab File: BF102655.D

Acq: 30 Jan 2018 22:24

Tgt Ion:	252	Resp:	61079
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.9	26.9
125	16.3	10.2	15.2#





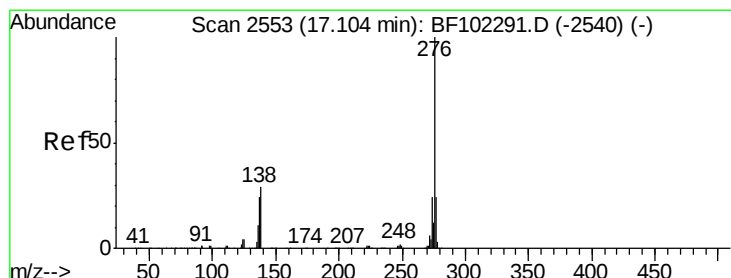
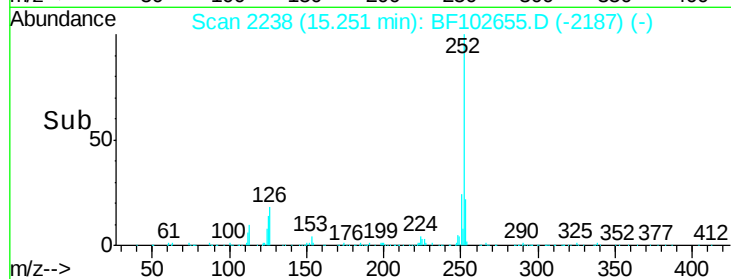
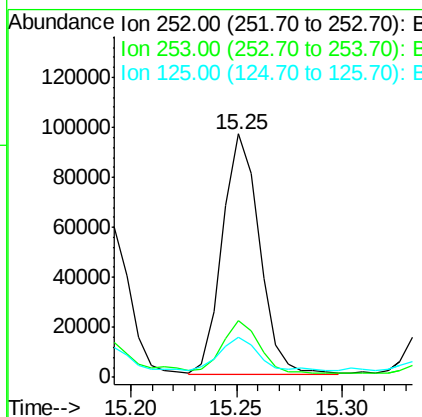
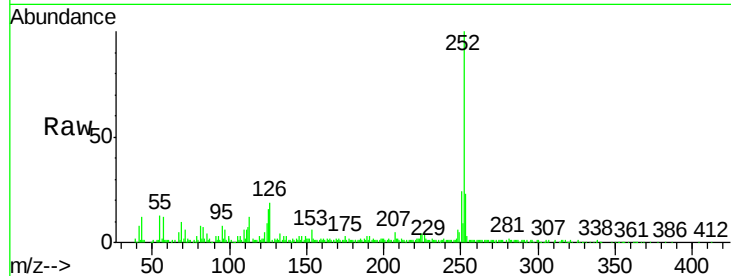
#89
Benzo(a)pyrene
Concen: 7.716 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BF102655.D
Acq: 30 Jan 2018 22:24

Instrument :
BNA_F
ClientSampleId :
EO-03-012918-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	16.4	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 3.800 ng
RT: 17.14 min Scan# 2560
Delta R.T. 0.01 min
Lab File: BF102655.D
Acq: 30 Jan 2018 22:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.9	17.9	26.9
138	30.9	21.8	32.8

