

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103265.D
 Acq On : 27 Feb 2018 16:15
 Operator : SJ/JU
 Sample : J1400-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-022618-A

Manual Integrations
 APPROVED

Sohil
 2/28/2018 11:17:44 AM

Quant Time: Feb 27 17:27:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	154385	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	641665	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	272197	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	405625	20.00	ng	0.00
75) Chrysene-d12	14.06	240	263298	20.00	ng	0.00
86) Perylene-d12	15.56	264	230199	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1026250	100.54	ng	0.00
7) Phenol-d6	6.51	99	1229660	98.45	ng	0.00
23) Nitrobenzene-d5	7.44	82	780311	69.45	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	215688	93.61	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1138794	68.84	ng	0.00
78) Terphenyl-d14	12.99	244	766573	69.99	ng	0.00
Target Compounds						
10) Phenol	6.52	94	32852	2.266	ng	88
49) Dimethylphthalate	9.62	163	163363	7.481	ng	99
70) Phenanthrene	11.43	178	82145	3.680	ng	97
74) Fluoranthene	12.62	202	258351	11.517	ng	98
77) Pyrene	12.86	202	250586	12.207	ng	99
80) Benzo(a)anthracene	14.04	228	126391	7.398	ng	98
82) Chrysene	14.08	228	111736	6.736	ng	97
85) Indeno(1,2,3-cd)pyrene	17.09	276	53391	4.066	ng	99
87) Benzo(b)fluoranthene	15.12	252	150705m	9.957	ng	
88) Benzo(k)fluoranthene	15.14	252	43583m	3.058	ng	
89) Benzo(a)pyrene	15.50	252	103166	7.633	ng	# 91
91) Benzo(a,h,i)perylene	17.54	276	52924	5.185	ng	# 90

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

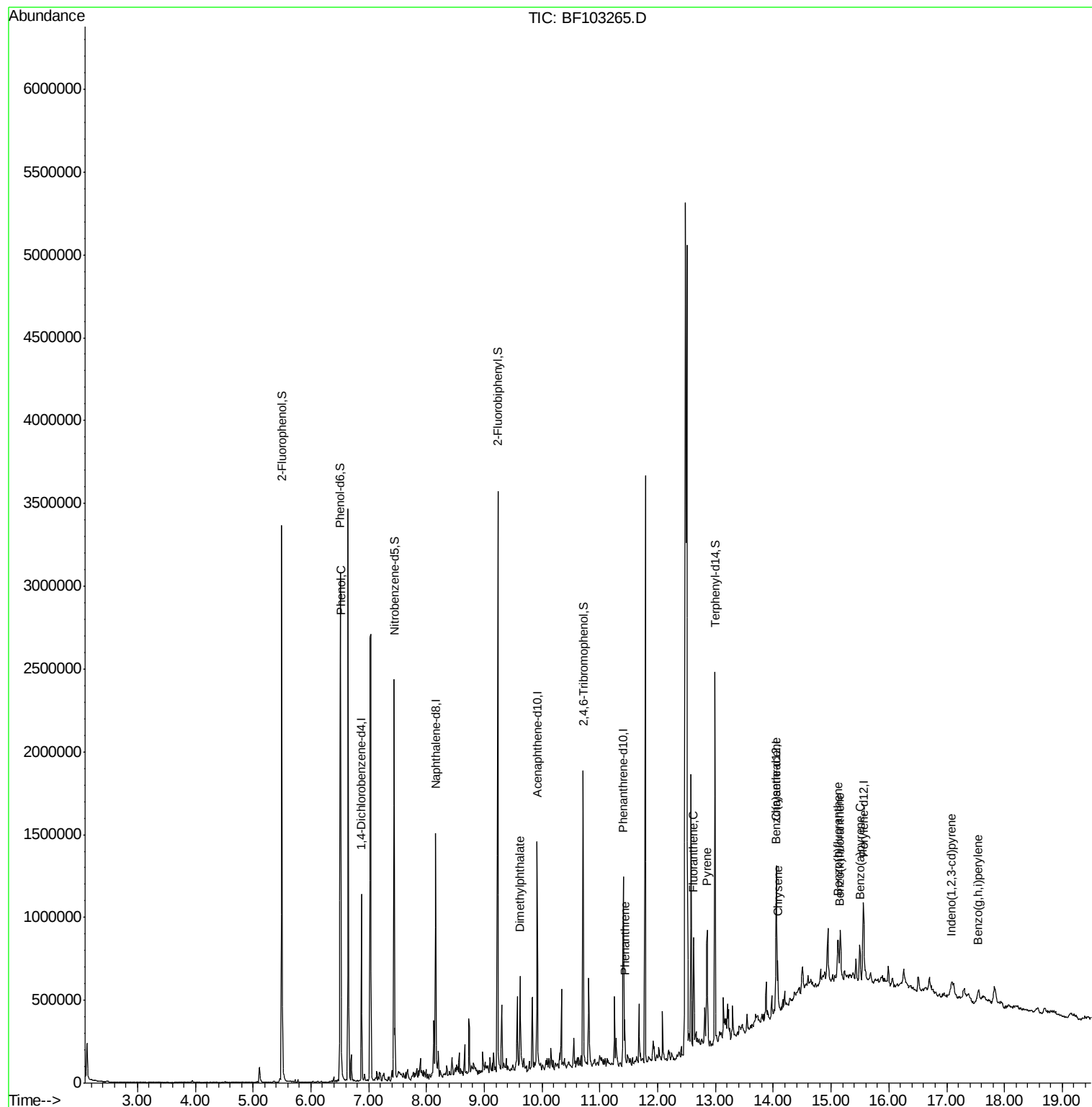
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
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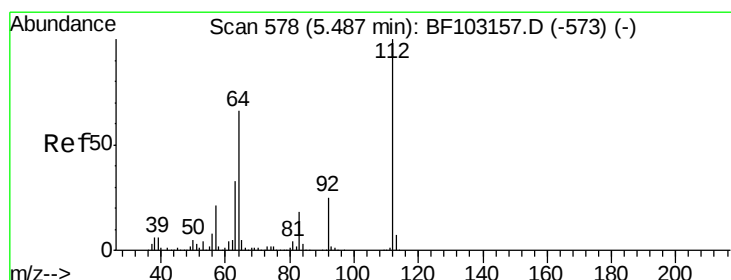
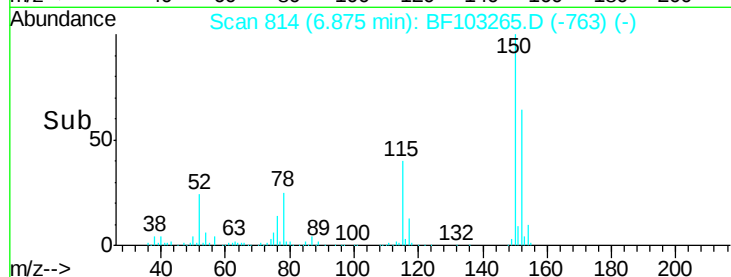
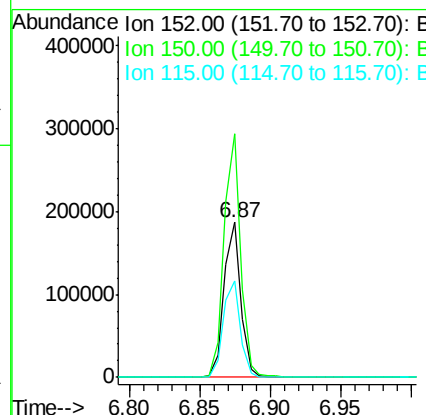
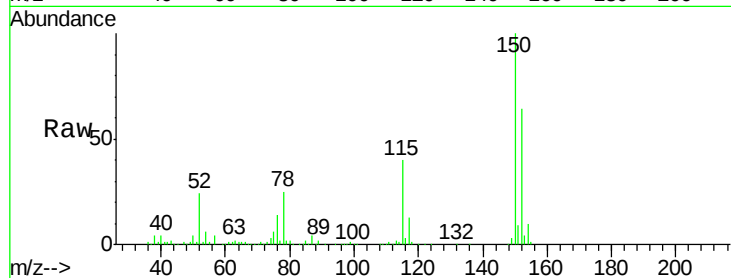
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BF103265.D
 Acq: 27 Feb 2018 16:15

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-022618-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	62.1	50.1	75.1

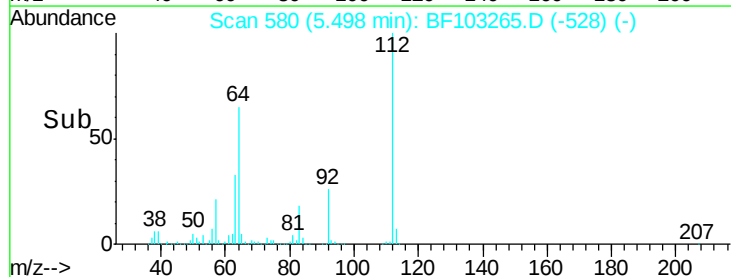
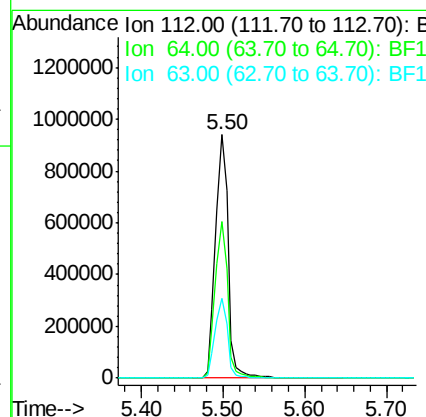
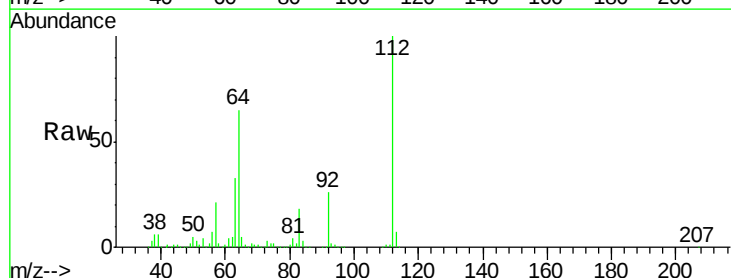
Manual Integrations
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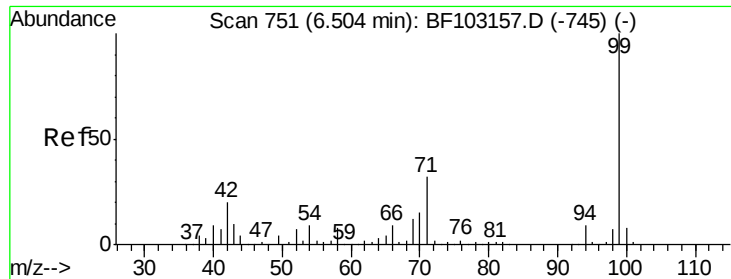
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#5
 2-Fluorophenol
 Concen: 100.536 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF103265.D
 Acq: 27 Feb 2018 16:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	33.0	23.7	35.5





#7

Phenol-d6

Concen: 98.446 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103265.D

Acq: 27 Feb 2018 16:15

Instrument :

BNA_F

ClientSampleId :

EO-02-022618-A

Tot Ion: 99 Resp: 1229660

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

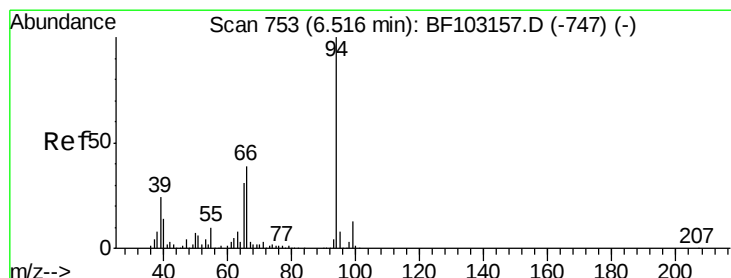
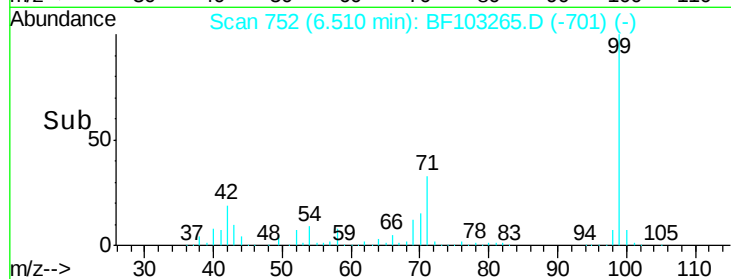
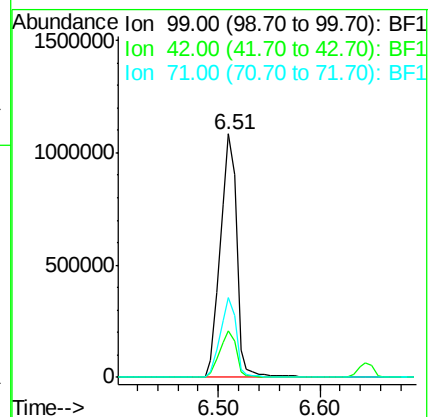
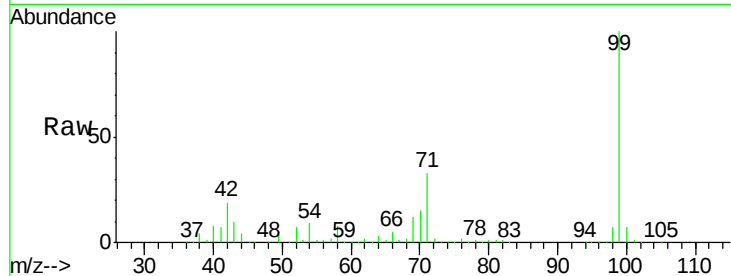
71 32.8 25.4 38.0

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#10

Phenol

Concen: 2.266 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF103265.D

Acq: 27 Feb 2018 16:15

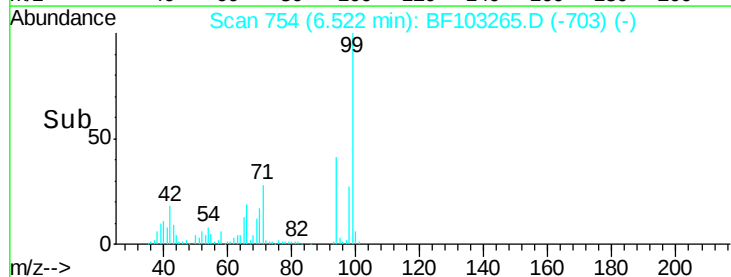
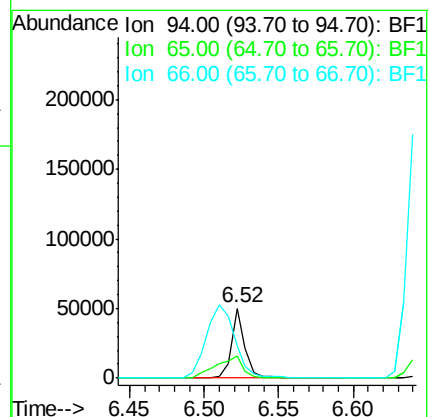
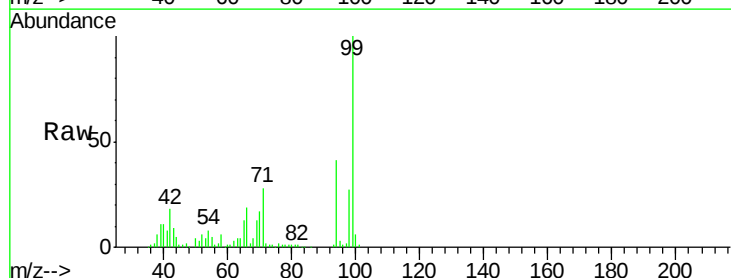
Tgt Ion: 94 Resp: 32852

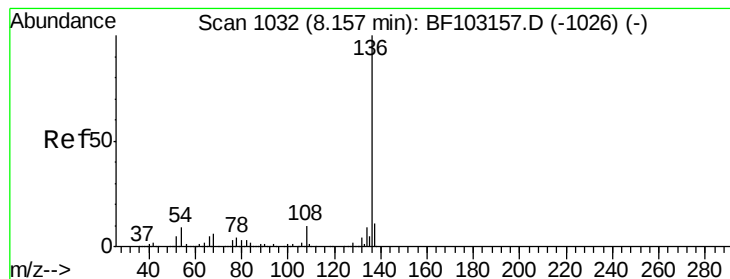
Ion Ratio Lower Upper

94 100

65 30.9 7.9 47.9

66 46.0 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103265.D

Acq: 27 Feb 2018 16:15

Instrument :

BNA_F

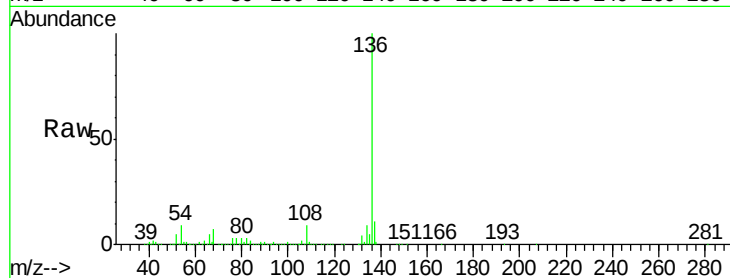
ClientSampleId :

EO-02-022618-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100	641665		
137	11.1	8.9	13.3	
54	9.2	6.6	9.8	
68	6.9	5.0	7.4	

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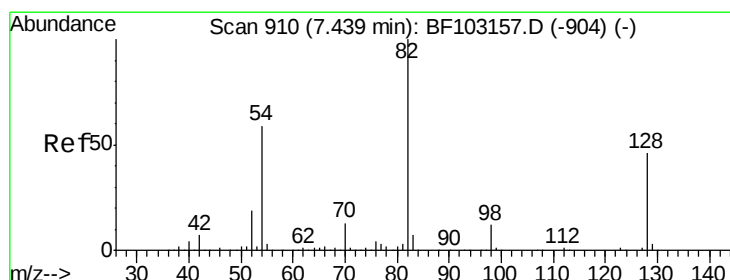
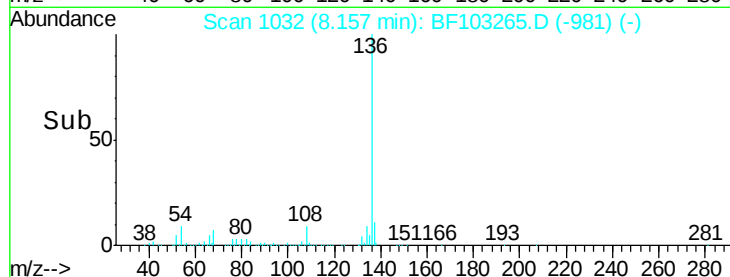
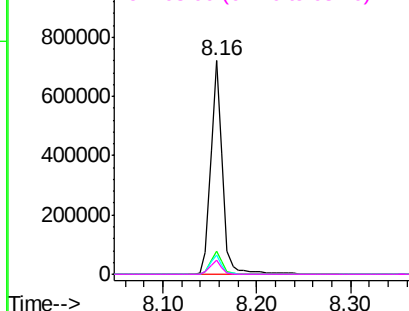


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 69.448 ng

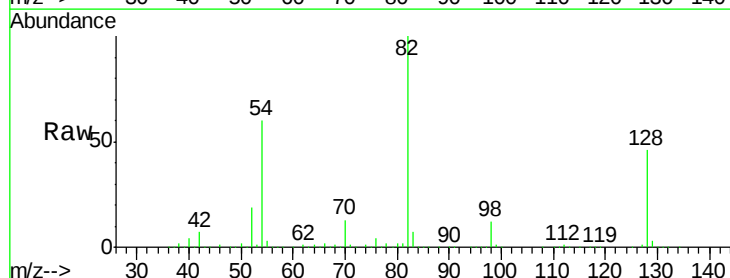
RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103265.D

Acq: 27 Feb 2018 16:15

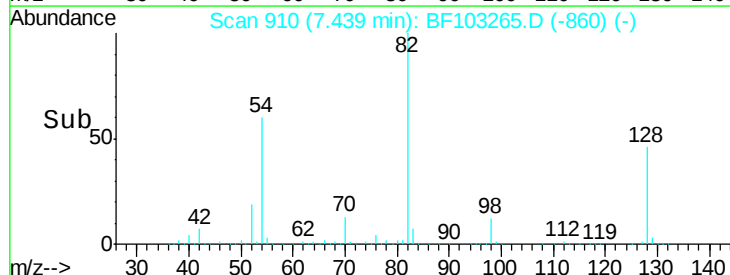
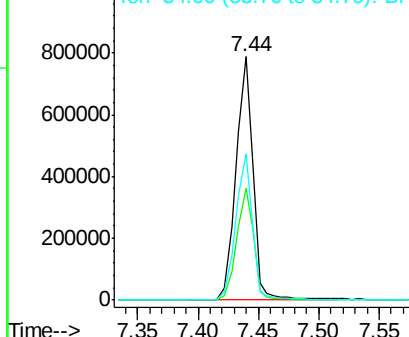
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	780311		
128	46.2	36.1	54.1	
54	60.3	41.4	62.2	

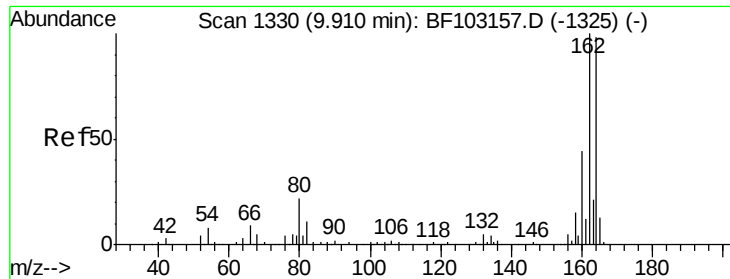


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF103265.D

Acq: 27 Feb 2018 16:15

Instrument :

BNA_F

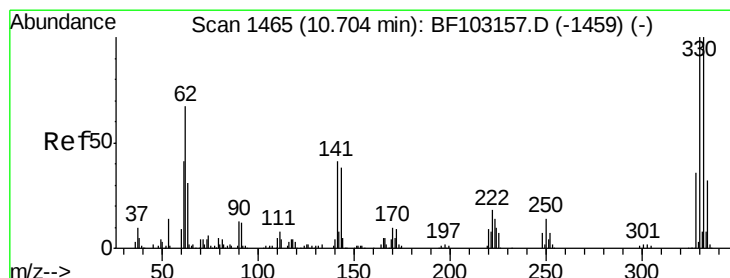
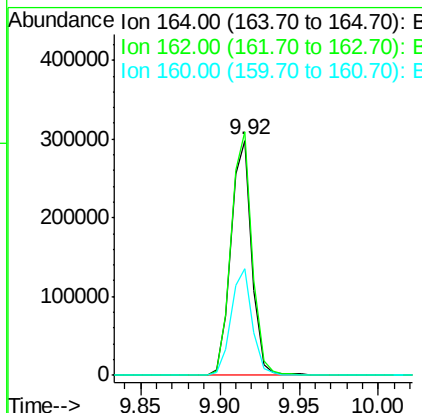
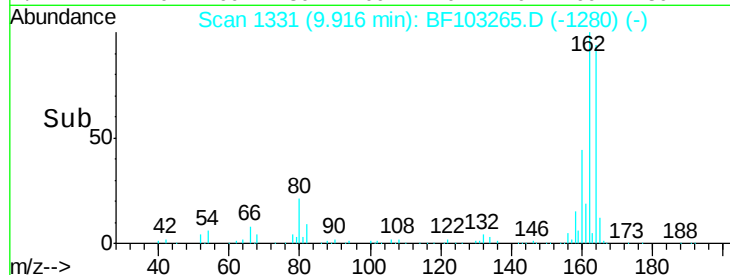
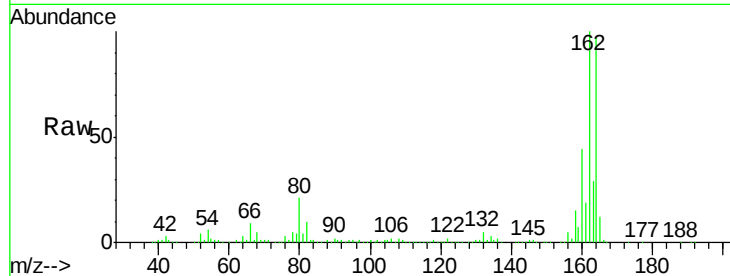
ClientSampleId :

EO-02-022618-A

Tot Ion:	164	Resp:	272197
Ion Ratio	Lower	Upper	
164	100		
162	103.6	86.1	129.1
160	45.6	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 93.615 ng

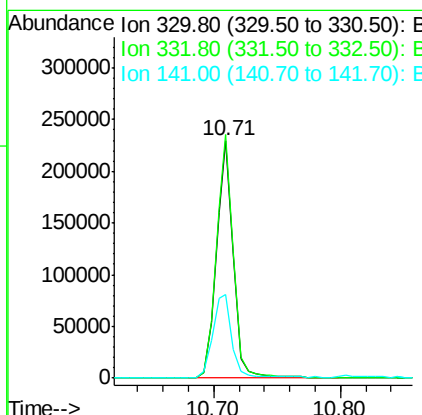
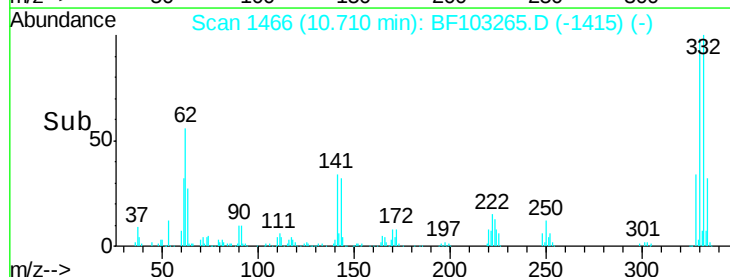
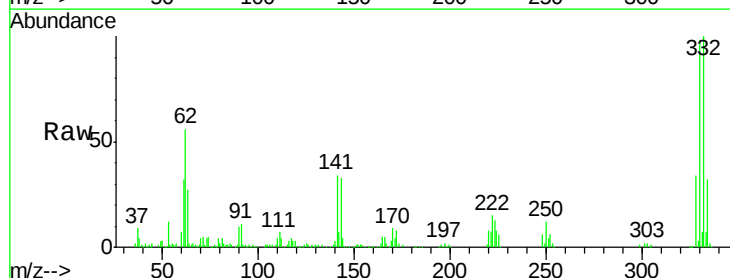
RT: 10.71 min Scan# 1466

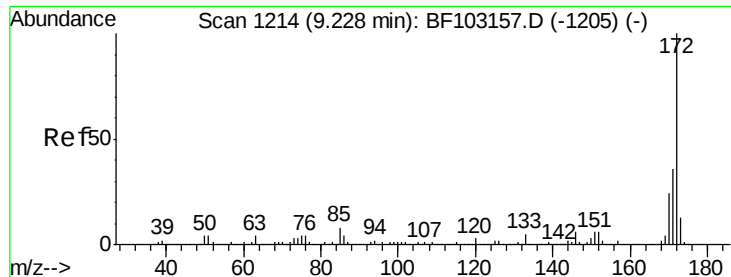
Delta R.T. -0.00 min

Lab File: BF103265.D

Acq: 27 Feb 2018 16:15

Tgt Ion:	330	Resp:	215688
Ion Ratio	Lower	Upper	
330	100		
332	102.8	77.0	115.6
141	39.5	29.9	44.9





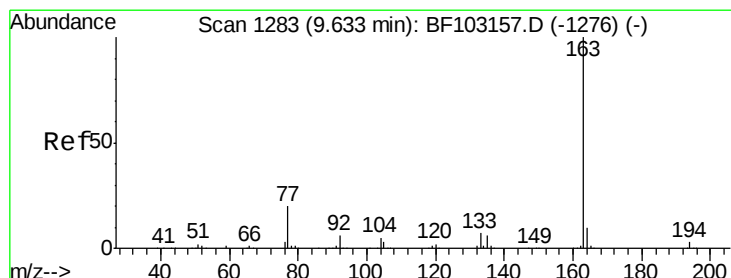
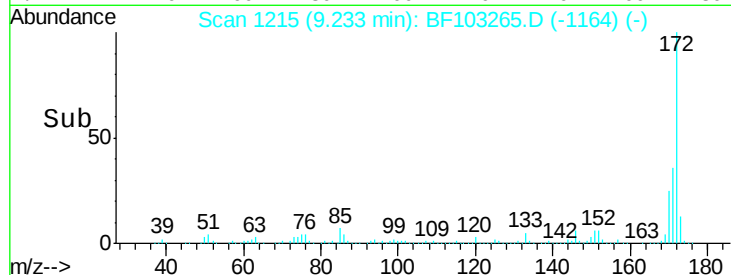
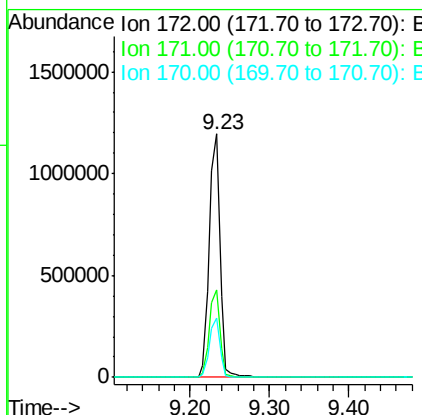
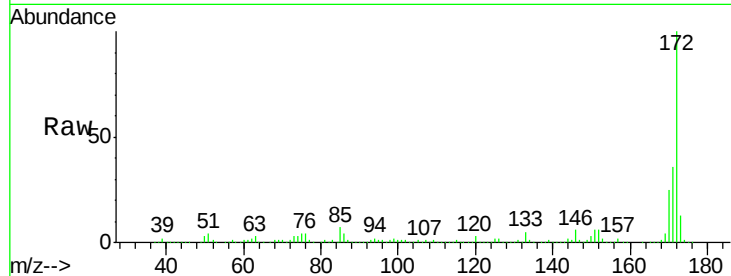
#44
2-Fluorobiphenyl
Concen: 68.842 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.00 min
Lab File: BF103265.D
Acq: 27 Feb 2018 16:15

Instrument :
BNA_F
ClientSampleId :
EO-02-022618-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.6	19.6	29.4

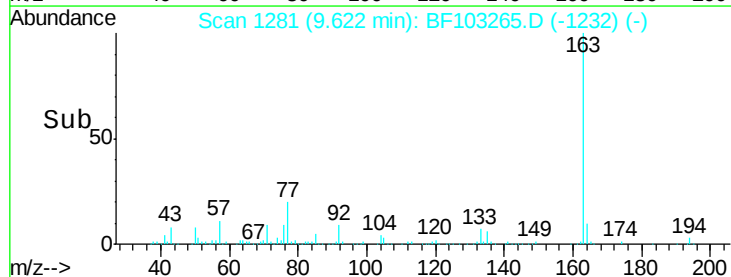
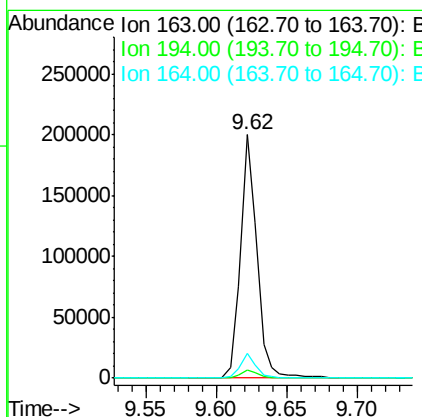
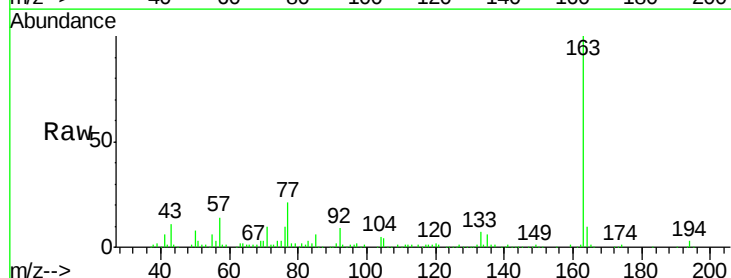
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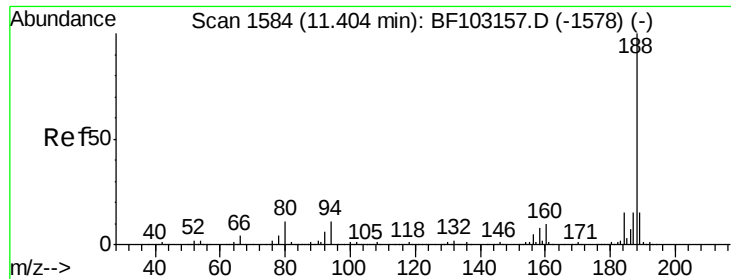
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#49
Dimethylphthalate
Concen: 7.481 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103265.D
Acq: 27 Feb 2018 16:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.4	8.2	12.2





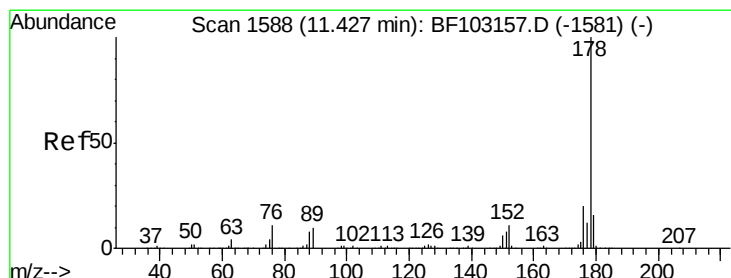
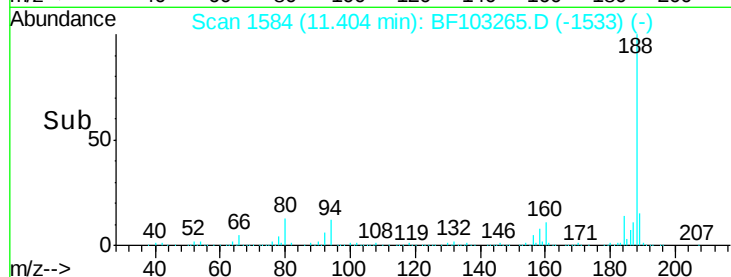
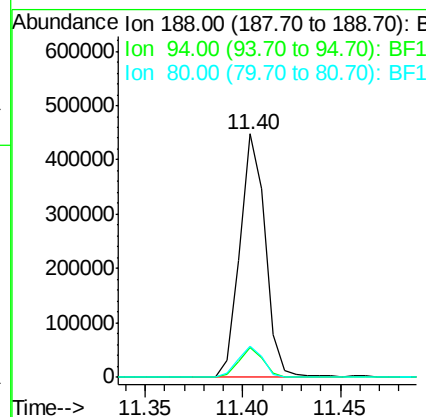
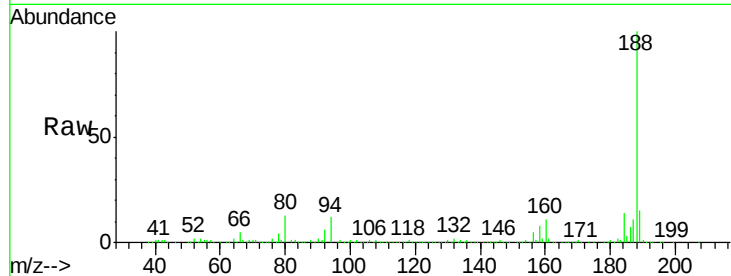
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103265.D
Acq: 27 Feb 2018 16:15

Instrument :
BNA_F
ClientSampleId :
EO-02-022618-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	405625		
94	12.1		8.5	12.7
80	12.6		9.2	13.8

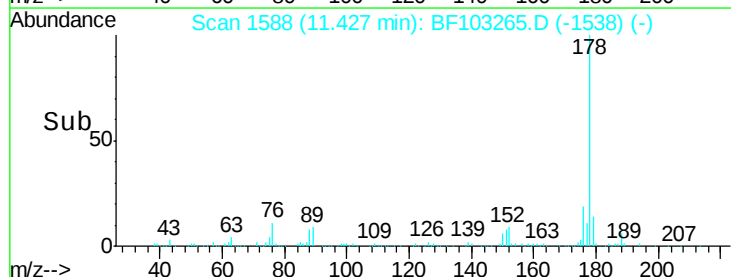
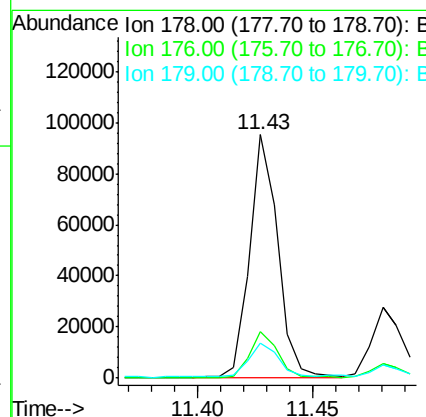
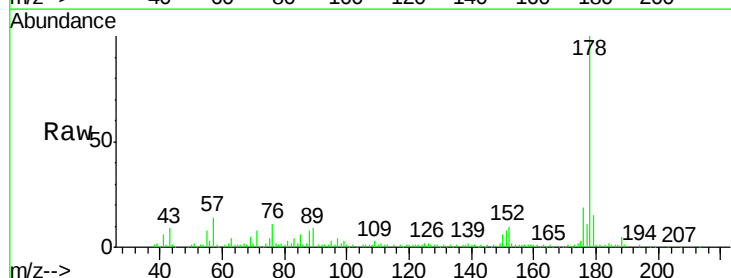
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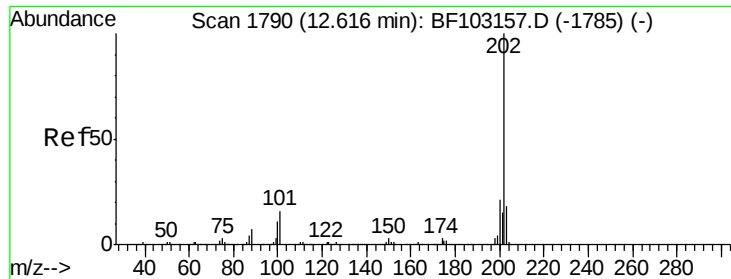
Sohil
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#70
Phenanthrene
Concen: 3.680 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103265.D
Acq: 27 Feb 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	82145		
176	19.0		15.8	23.8
179	14.6		13.0	19.6





#74

Fluoranthene

Concen: 11.517 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103265.D

Acq: 27 Feb 2018 16:15

Instrument :

BNA_F

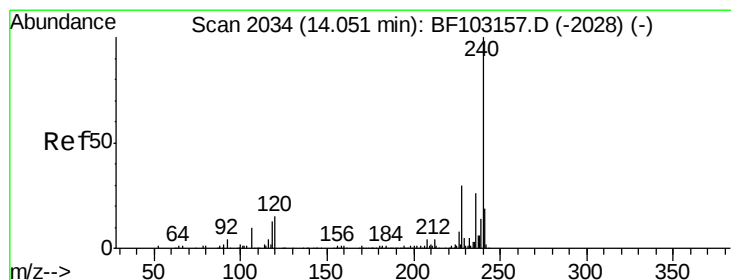
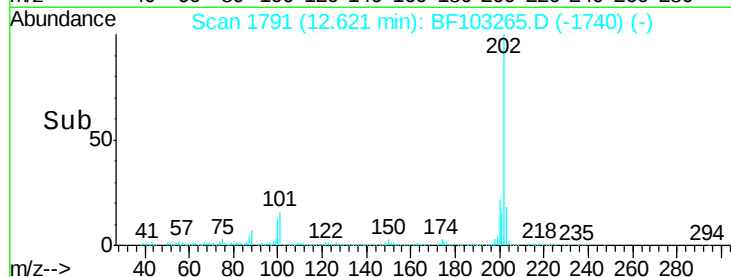
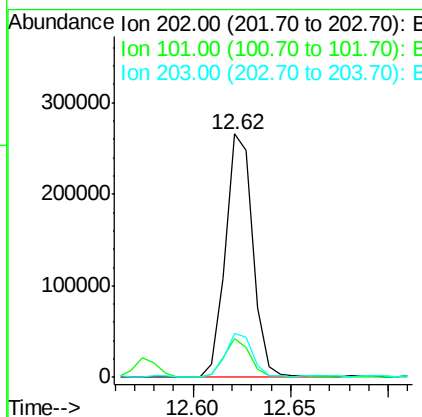
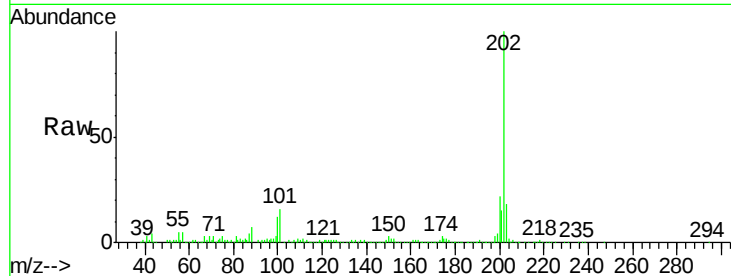
ClientSampleId :

EO-02-022618-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	16.0	0.0	34.1
203	18.0	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

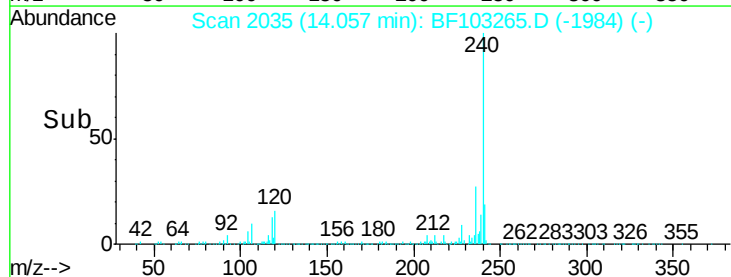
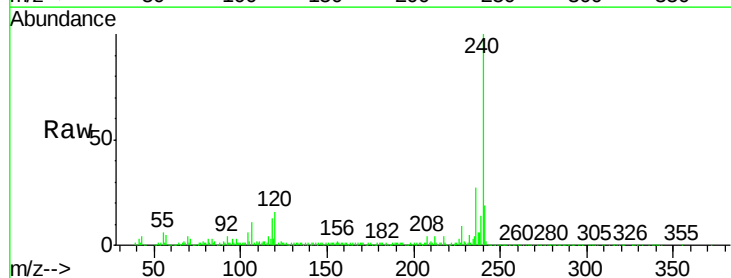
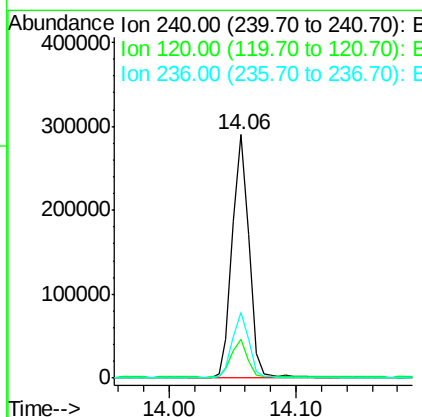
RT: 14.06 min Scan# 2035

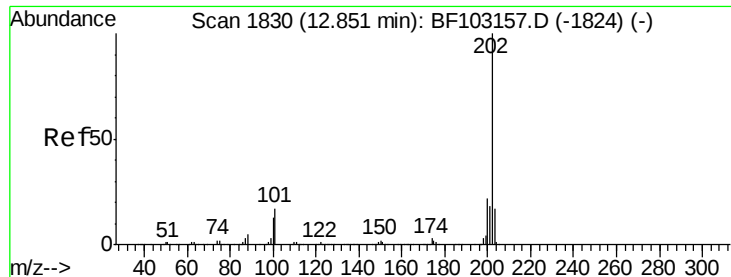
Delta R.T. -0.00 min

Lab File: BF103265.D

Acq: 27 Feb 2018 16:15

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.0	9.5	14.3#
236	26.8	20.7	31.1





#77

Pvrene

Concen: 12.207 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF103265.D

Acq: 27 Feb 2018 16:15

Instrument :

BNA_F

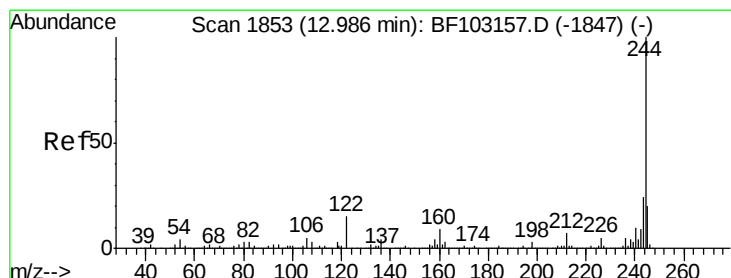
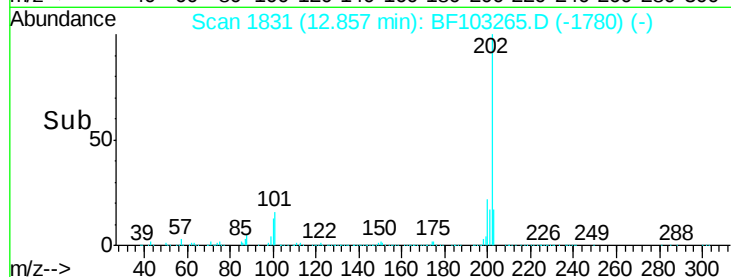
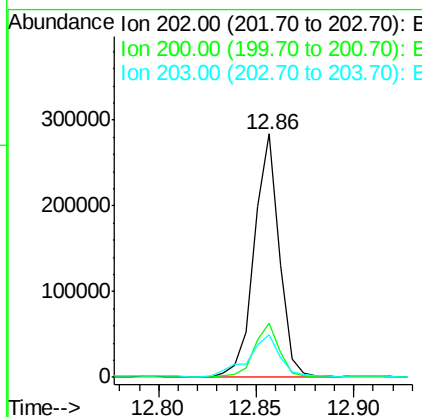
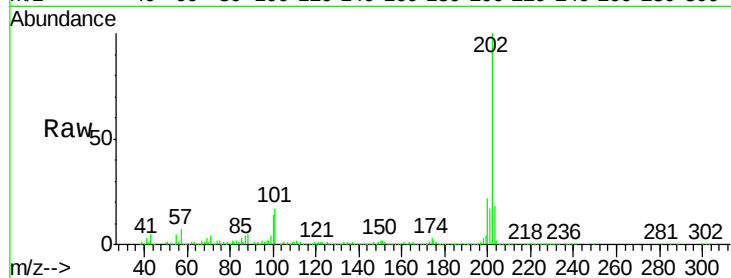
ClientSampleId :

EO-02-022618-A

Tot Ion:	202	Resp:	250586
Ion Ratio		Lower	Upper
202	100		
200	22.1	17.4	26.2
203	17.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 69.987 ng

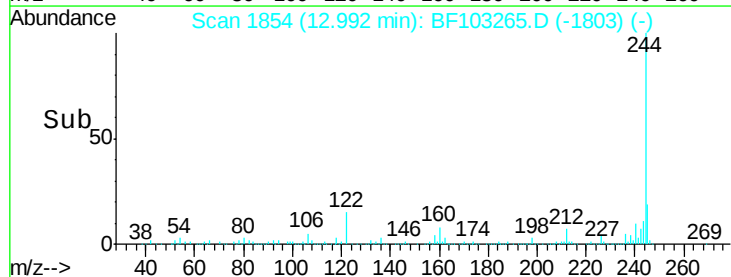
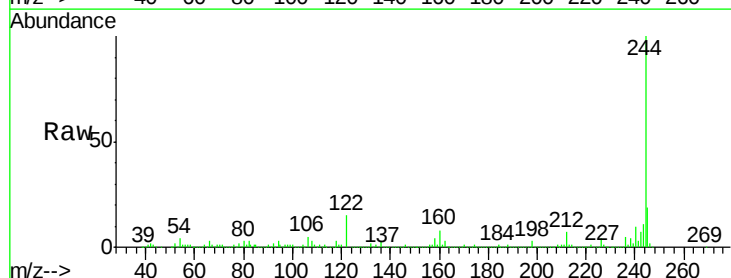
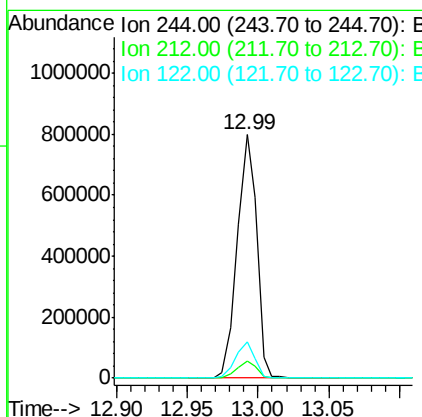
RT: 12.99 min Scan# 1854

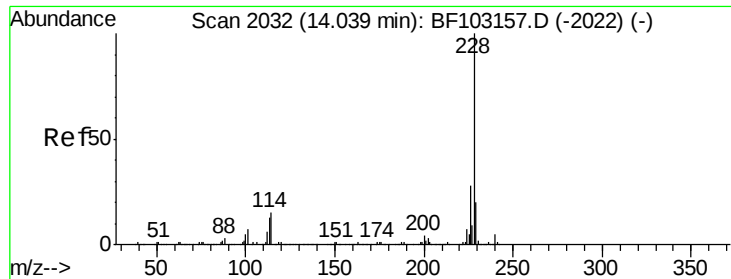
Delta R.T. -0.00 min

Lab File: BF103265.D

Acq: 27 Feb 2018 16:15

Tgt Ion:	244	Resp:	766573
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.0
122	15.0	11.0	16.4





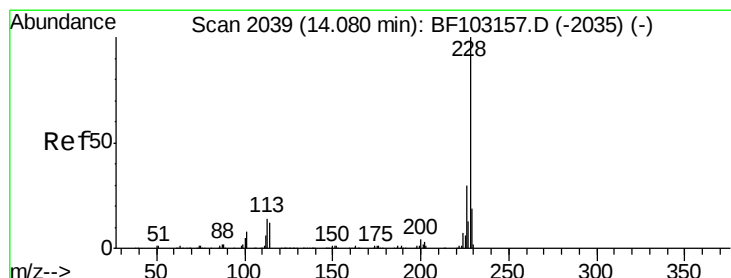
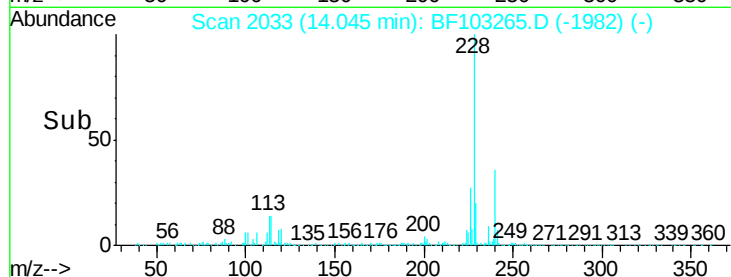
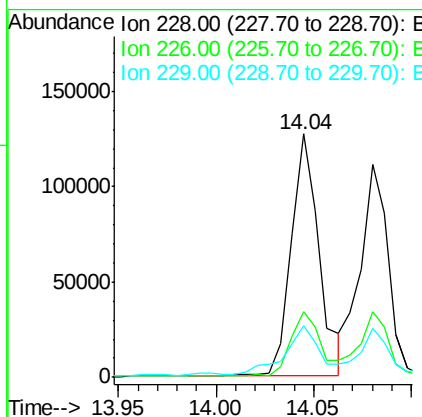
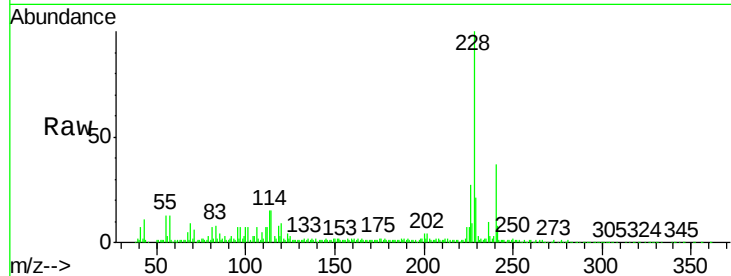
#80
Benzo(a)anthracene
Concen: 7.398 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF103265.D
Acq: 27 Feb 2018 16:15

Instrument :
BNA_F
ClientSampleId :
EO-02-022618-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	21.0	15.8	23.6

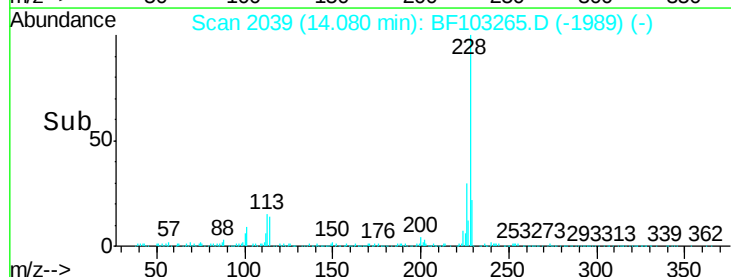
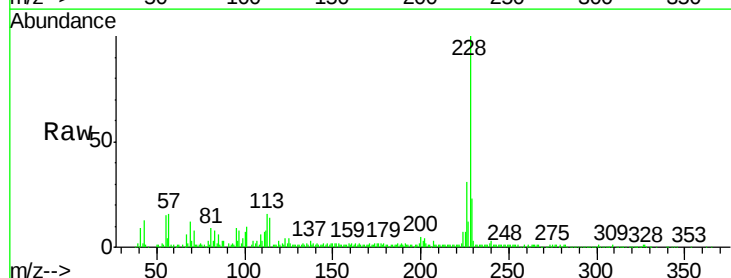
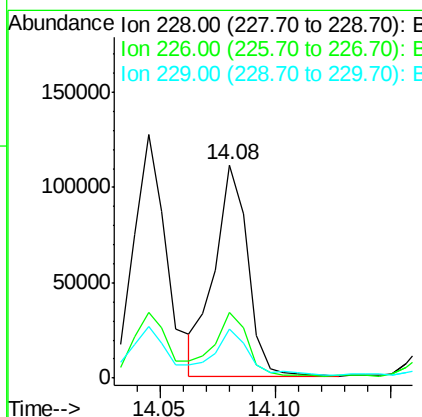
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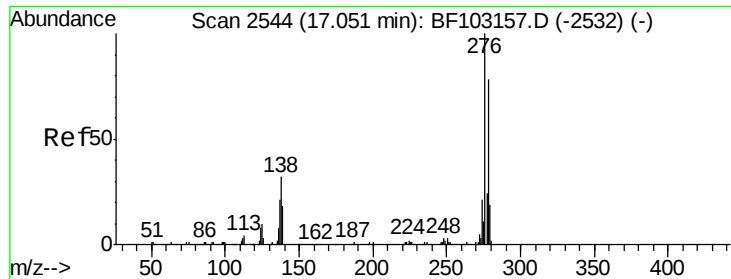
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#82
Chrysene
Concen: 6.736 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103265.D
Acq: 27 Feb 2018 16:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	23.0	16.2	24.4





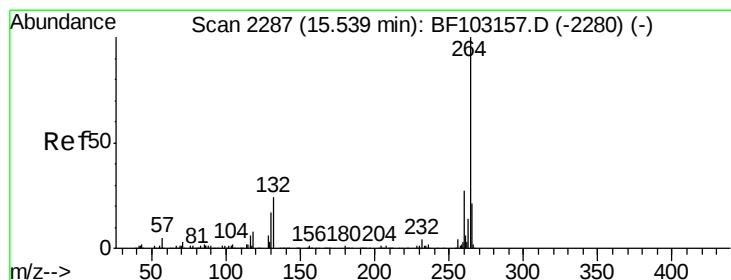
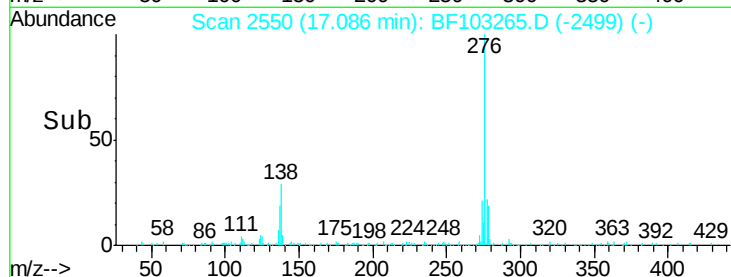
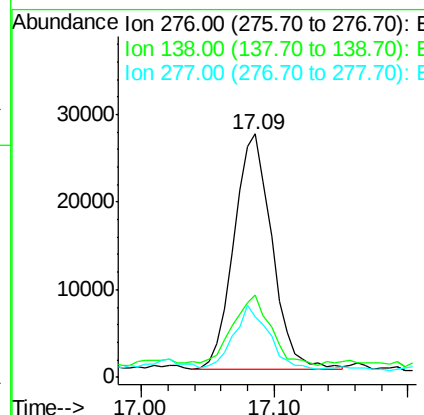
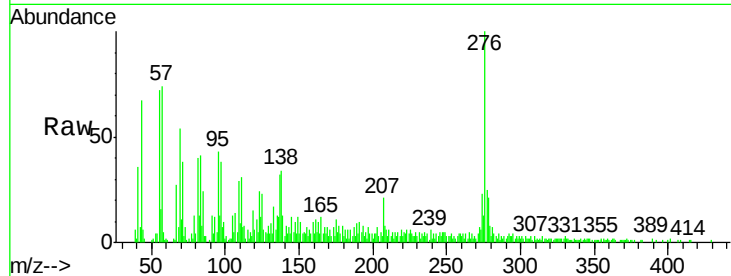
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.066 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.00 min
Lab File: BF103265.D
Acq: 27 Feb 2018 16:15

Instrument :
BNA_F
ClientSampleId :
EO-02-022618-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.1	25.0	37.6
277	24.6	20.1	30.1

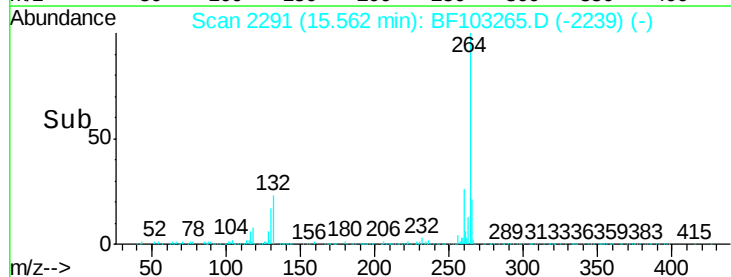
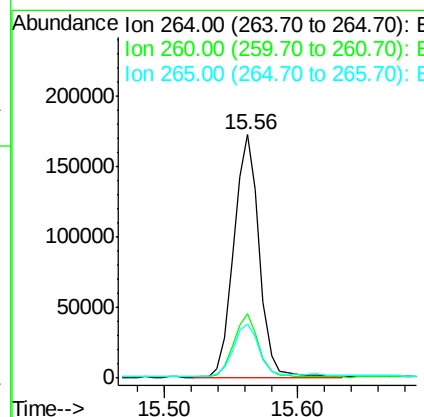
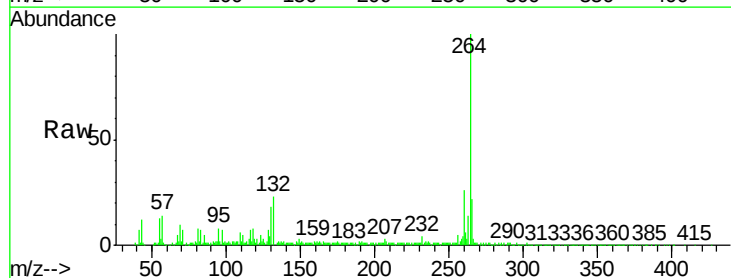
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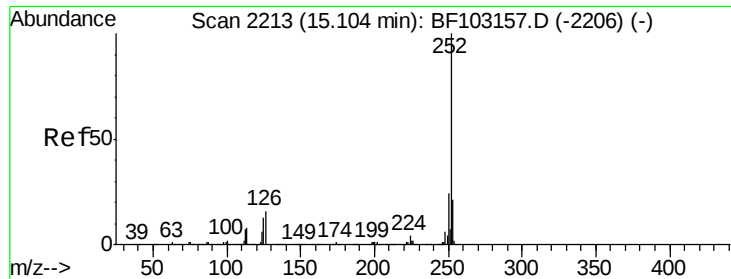
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BF103265.D
Acq: 27 Feb 2018 16:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.4	19.2	28.8
265	22.0	17.5	26.3





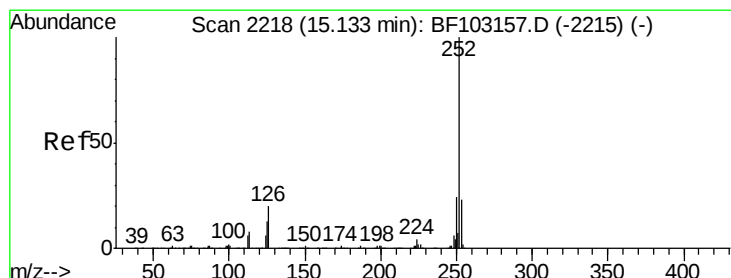
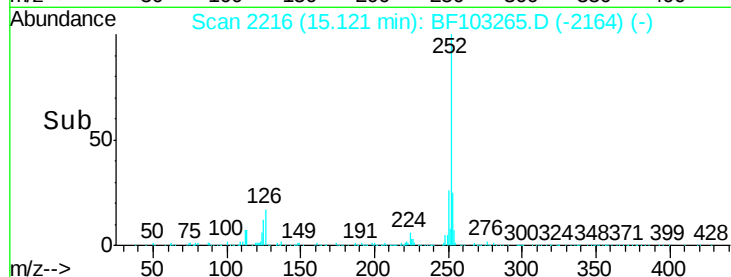
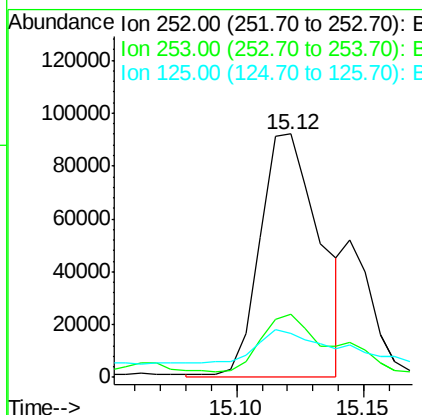
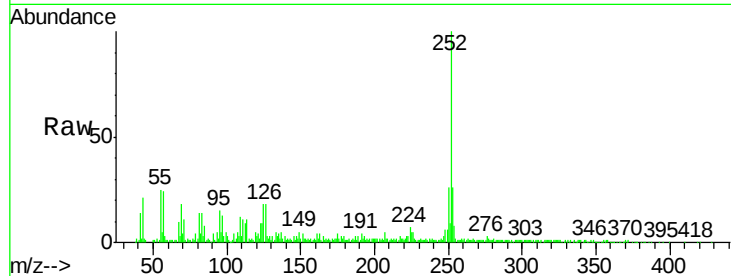
#87
Benzo(b)fluoranthene
Concen: 9.957 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF103265.D
Acq: 27 Feb 2018 16:15

Instrument :
BNA_F
ClientSampleId :
EO-02-022618-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.0	25.6#
125	17.8	9.0	13.6#

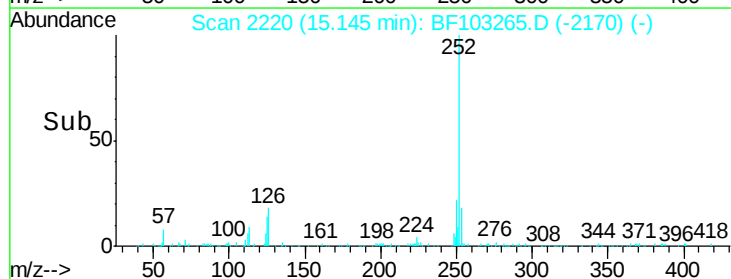
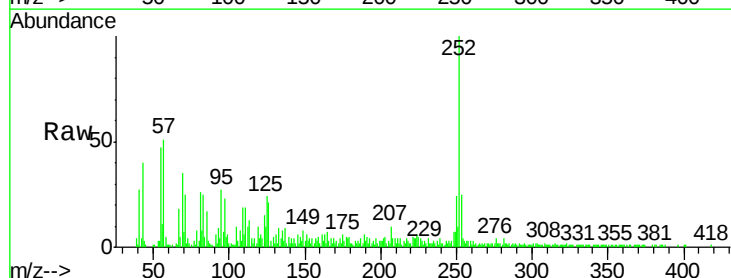
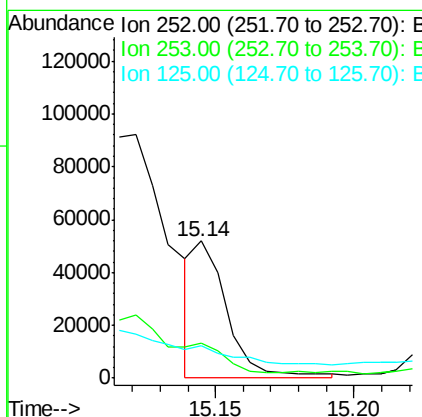
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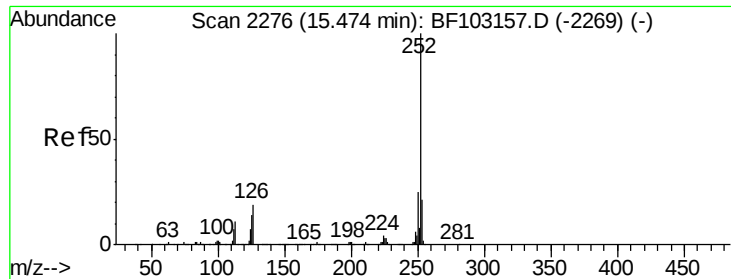
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#88
Benzo(k)fluoranthene
Concen: 3.058 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF103265.D
Acq: 27 Feb 2018 16:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	23.6	10.2	15.2#





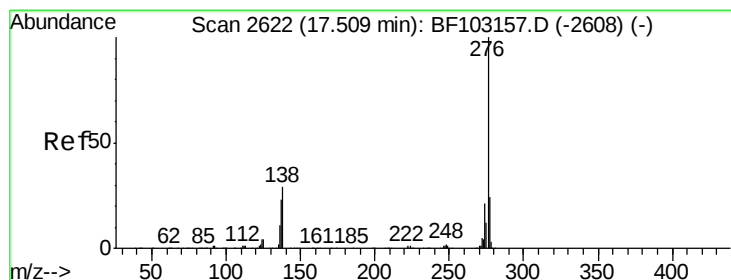
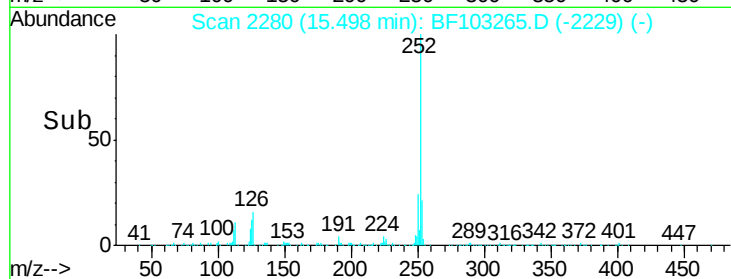
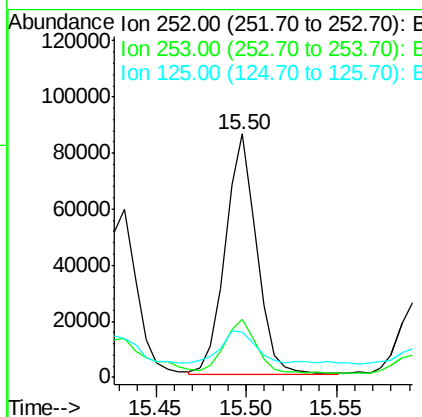
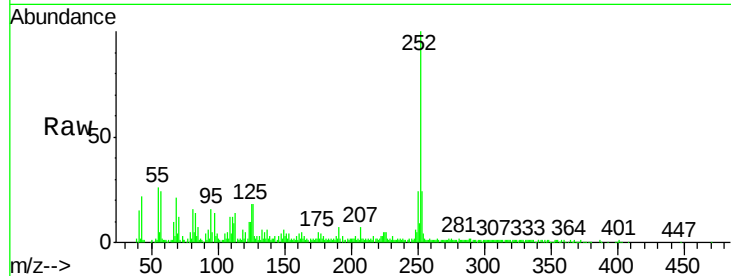
#89
Benzo(a)pyrene
Concen: 7.633 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF103265.D
Acq: 27 Feb 2018 16:15

Instrument :
BNA_F
ClientSampleId :
EO-02-022618-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	18.5	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 5.185 ng
RT: 17.54 min Scan# 2628
Delta R.T. 0.01 min
Lab File: BF103265.D
Acq: 27 Feb 2018 16:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	33.2	21.8	32.8

