

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
 Data File : BF103137.D
 Acq On : 21 Feb 2018 15:38
 Operator : SJ/JU
 Sample : J1623-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-8

Manual Integrations
 APPROVED

Sohil
 2/22/2018 9:05:02 AM

Quant Time: Feb 21 16:46:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	184644	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	747311	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	308461	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	445256	20.00	ng	0.00
75) Chrysene-d12	14.05	240	307790	20.00	ng	0.00
86) Perylene-d12	15.55	264	254533	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1209216	99.46	ng	0.01
7) Phenol-d6	6.52	99	1435407	98.05	ng	0.00
23) Nitrobenzene-d5	7.45	82	927333	86.08	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	244594	98.52	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1386607	74.59	ng	0.00
78) Terphenyl-d14	12.99	244	922538	70.97	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.63	163	69791	2.902	ng	97
51) Acenaphthene	9.95	154	40835	2.149	ng	97
57) Fluorene	10.46	166	46328	2.378	ng	97
70) Phenanthrene	11.43	178	570684	23.013	ng	98
71) Anthracene	11.48	178	132814	5.266	ng	99
72) Carbazole	11.64	167	58537	2.369	ng	99
74) Fluoranthene	12.62	202	611749	24.519	ng	99
77) Pyrene	12.85	202	573661	23.768	ng	99
80) Benzo(a)anthracene	14.04	228	285090	14.728	ng	97
82) Chrysene	14.08	228	275053	14.096	ng	97
85) Indeno(1,2,3-cd)pyrene	17.06	276	83002	5.129	ng	100
87) Benzo(b)fluoranthene	15.11	252	273779m	16.590	ng	
88) Benzo(k)fluoranthene	15.13	252	95652m	6.066	ng	
89) Benzo(a)pyrene	15.49	252	177162	11.927	ng	# 94
90) Dibenzo(a,h)anthracene	17.07	278	25639	2.127	ng	# 84
91) Benzo(g,h,i)perylene	17.52	276	80085	6.786	ng	94

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

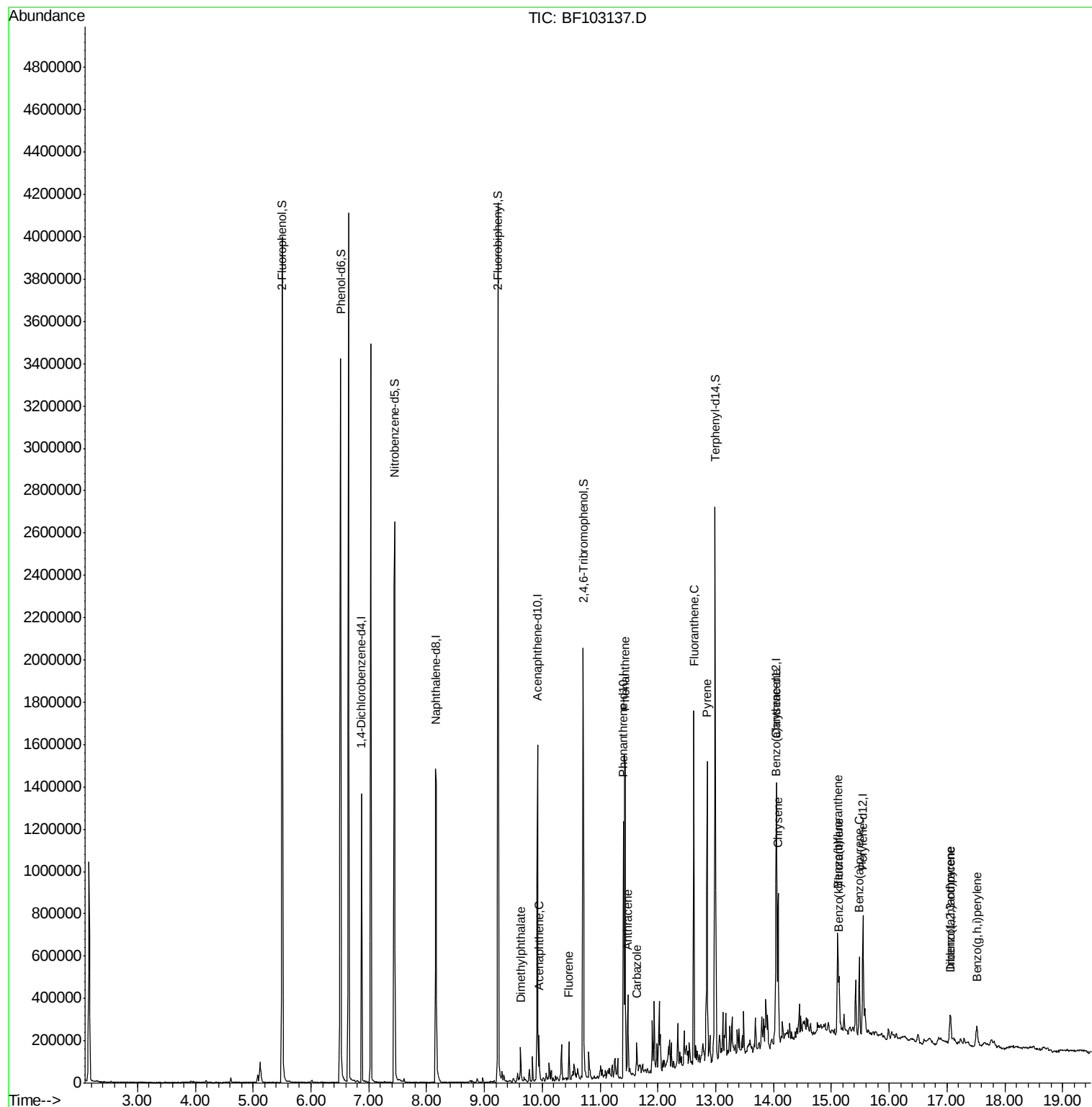
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
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#1

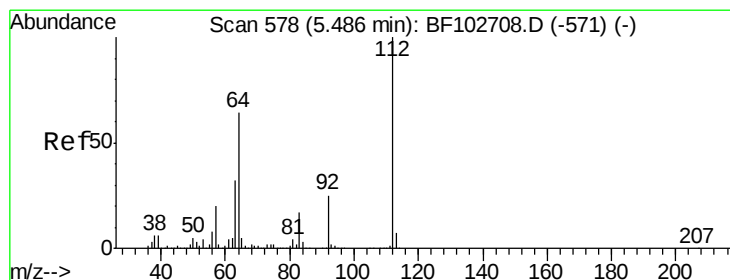
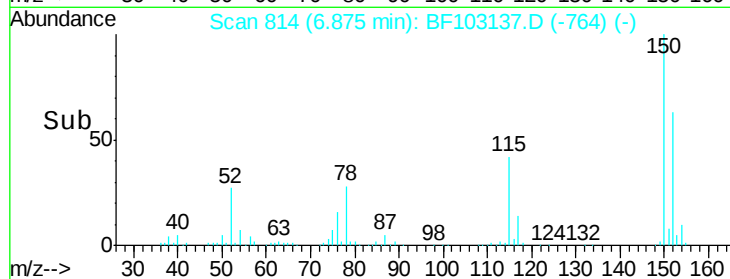
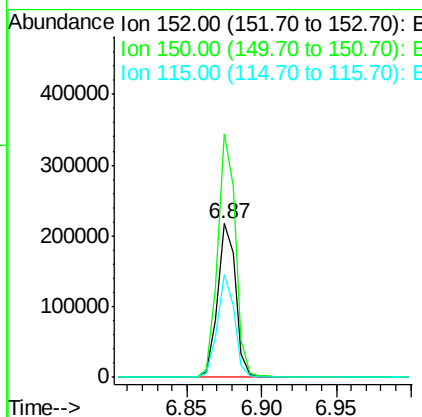
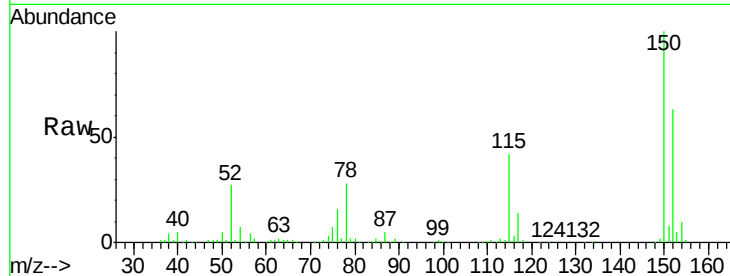
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103137.D
Acq: 21 Feb 2018 15:38

Instrument :
BNA_F
ClientSampleId :
TP-7-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	66.7	50.1	75.1

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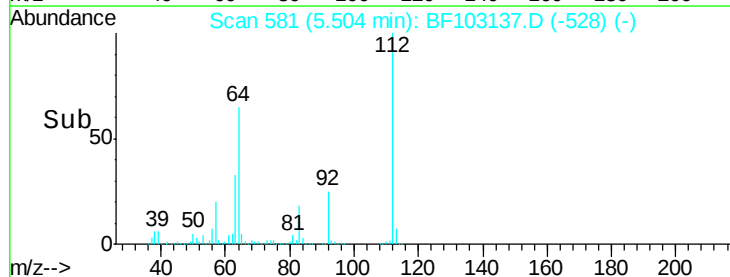
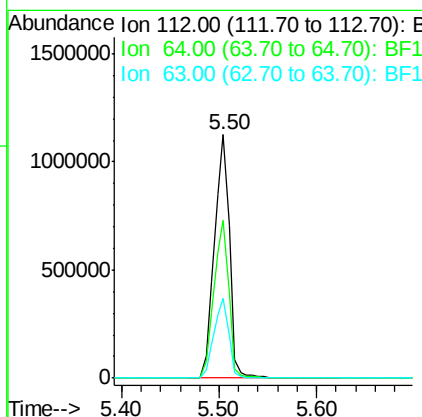
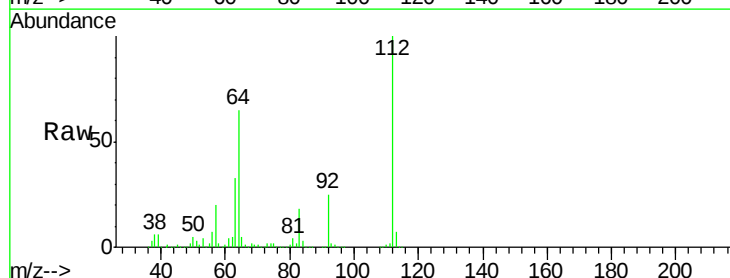
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#5

2-Fluorophenol
Concen: 99.456 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103137.D
Acq: 21 Feb 2018 15:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	47.9	71.9
63	32.6	23.7	35.5





#7

Phenol-d6

Concen: 98.051 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103137.D

Acq: 21 Feb 2018 15:38

Instrument :

BNA_F

ClientSampleId :

TP-7-8

Tot Ion: 99 Resp: 1435407

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

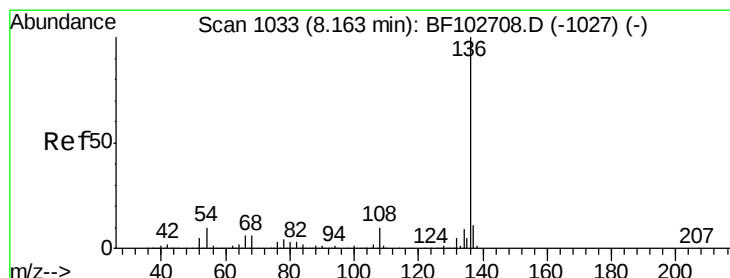
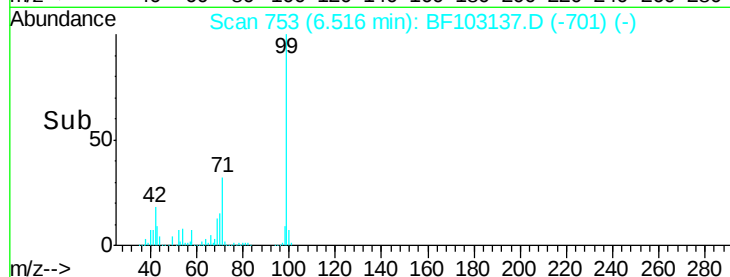
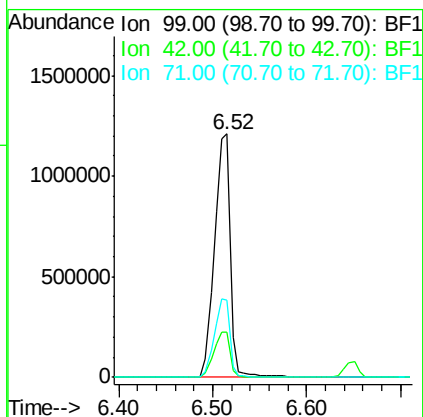
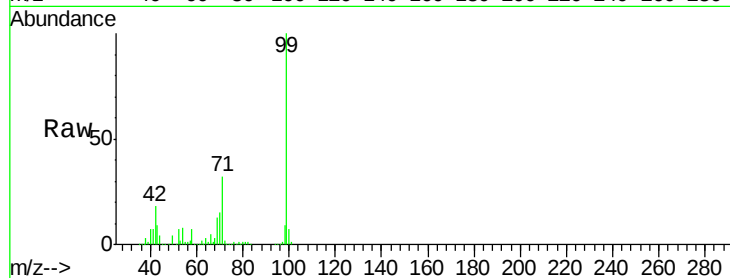
71 31.8 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103137.D

Acq: 21 Feb 2018 15:38

Tgt Ion: 136 Resp: 747311

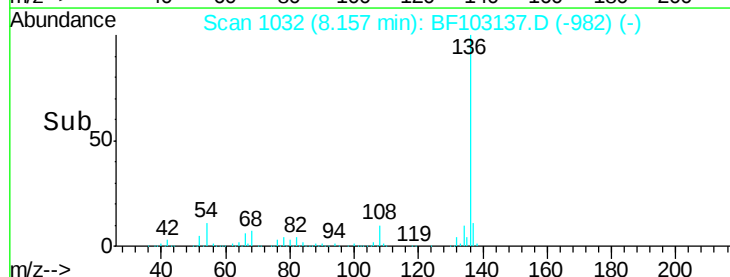
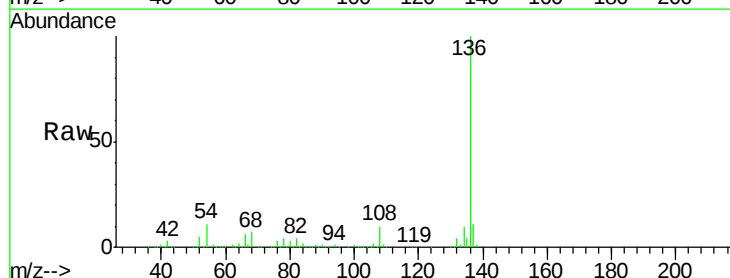
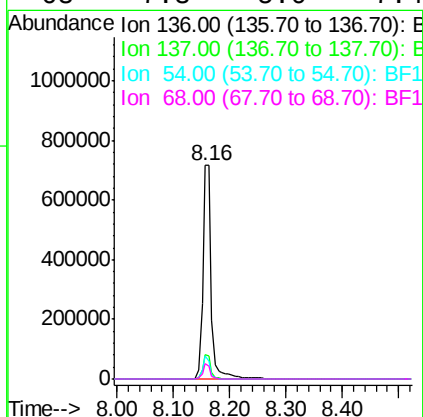
Ion Ratio Lower Upper

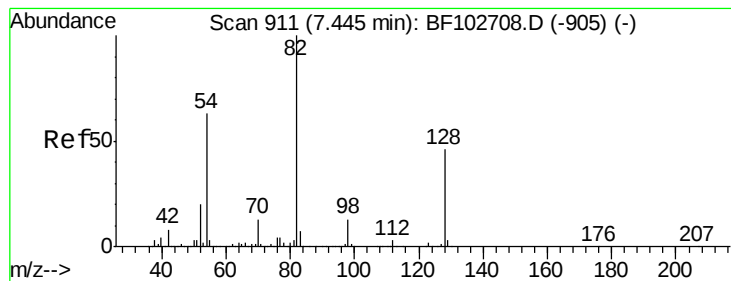
136 100

137 11.4 8.9 13.3

54 10.6 6.6 9.8#

68 7.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 86.081 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF103137.D

Acq: 21 Feb 2018 15:38

Instrument :

BNA_F

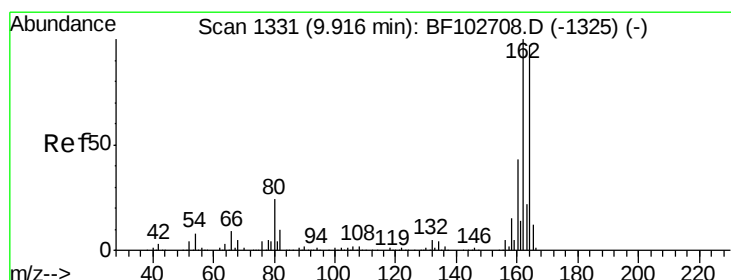
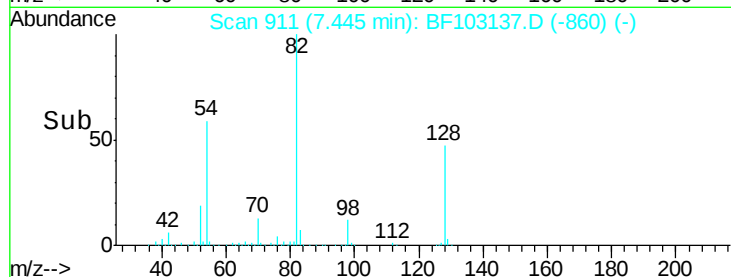
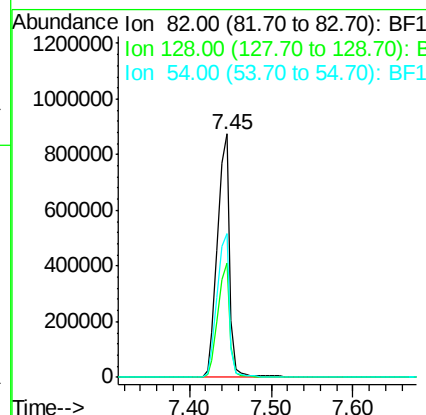
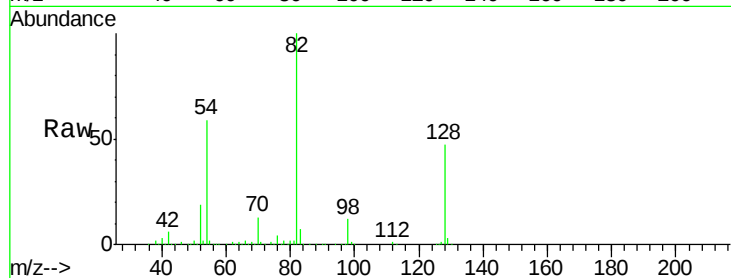
ClientSampled :

TP-7-8

Tot Ion:	82	Resp:	927333
Ion Ratio	Lower	Upper	
82	100		
128	47.2	36.1	54.1
54	58.9	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

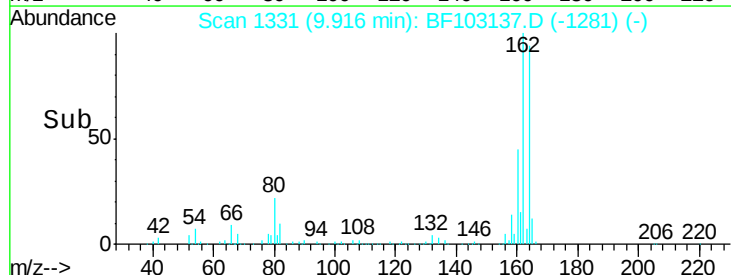
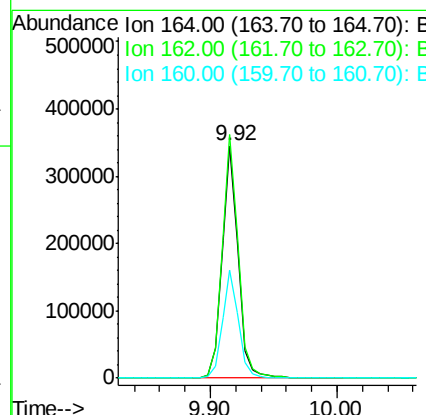
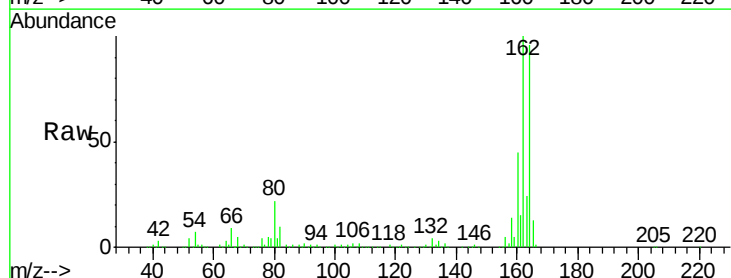
RT: 9.92 min Scan# 1331

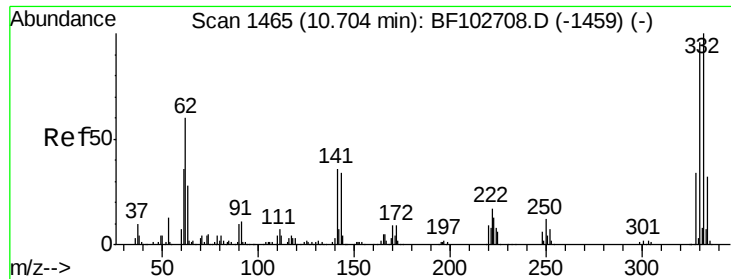
Delta R.T. -0.01 min

Lab File: BF103137.D

Acq: 21 Feb 2018 15:38

Tgt Ion:	164	Resp:	308461
Ion Ratio	Lower	Upper	
164	100		
162	104.7	86.1	129.1
160	46.6	38.3	57.5





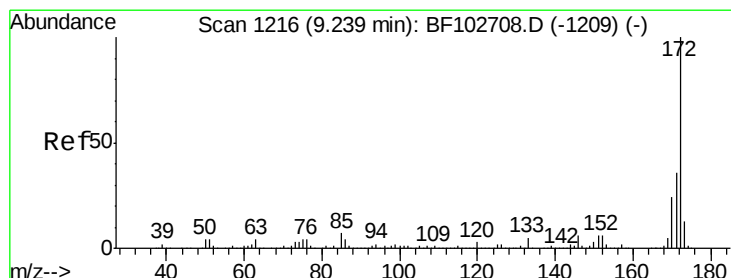
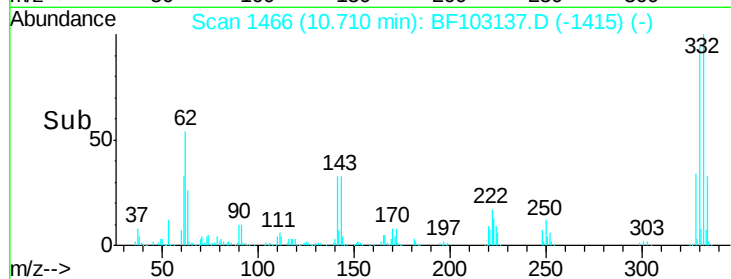
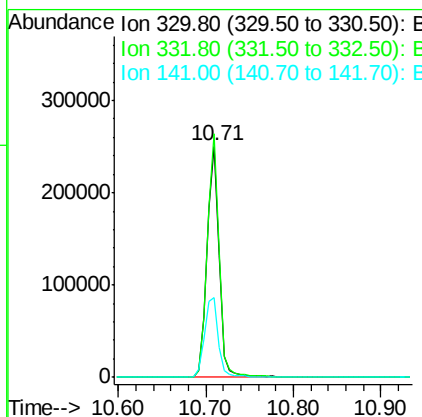
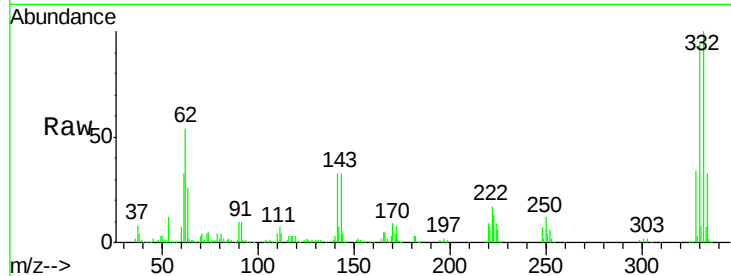
#41
 2,4,6-Tribromophenol
 Concen: 98.517 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103137.D
 Acq: 21 Feb 2018 15:38

Instrument :
 BNA_F
 ClientSampled :
 TP-7-8

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.4	244594	77.0	115.6
141	39.1		29.9	44.9

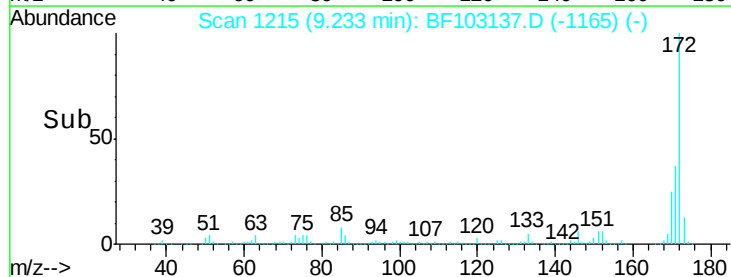
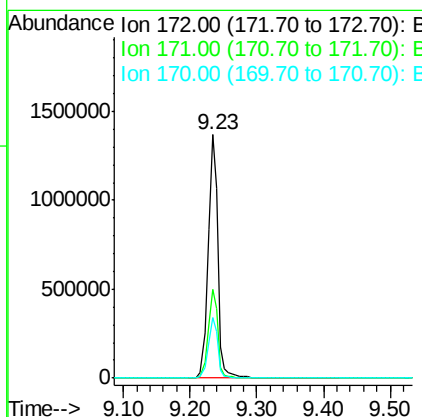
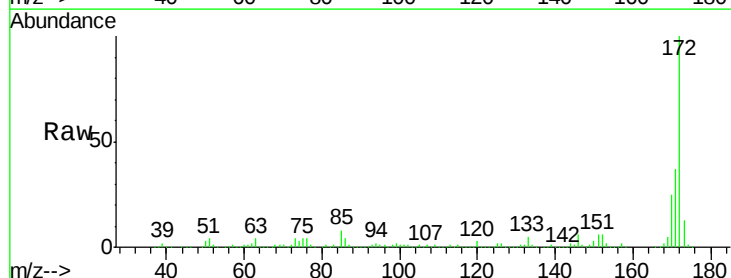
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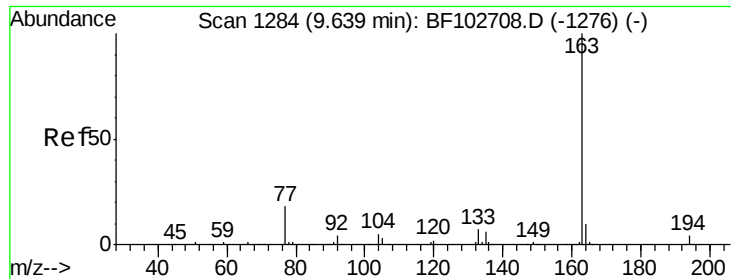
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#44
 2-Fluorobiphenyl
 Concen: 74.592 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103137.D
 Acq: 21 Feb 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1386607		
171	36.5		29.7	44.5
170	24.8		19.6	29.4





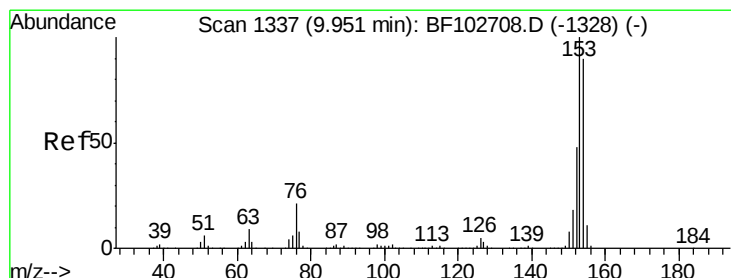
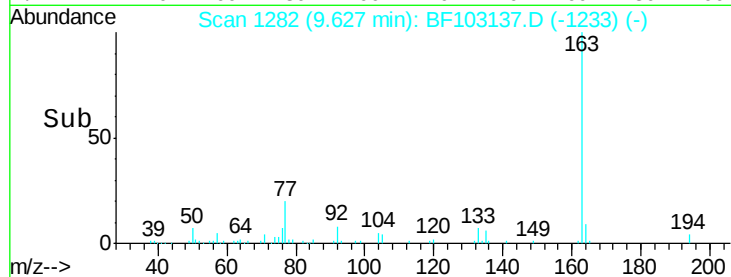
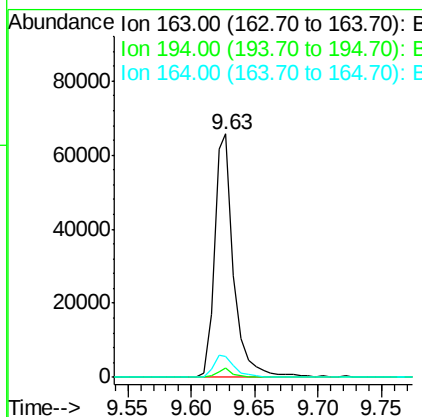
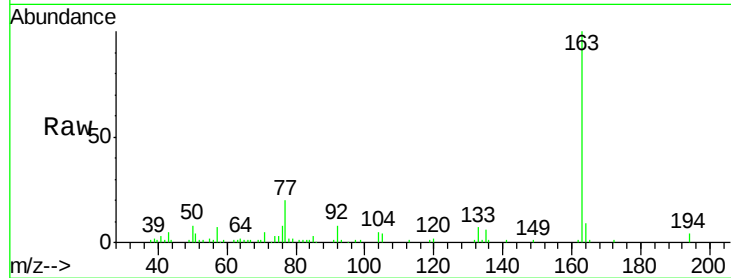
#49
 Dimethylphthalate
 Concen: 2.902 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: BF103137.D
 Acq: 21 Feb 2018 15:38

Instrument :
 BNA_F
 ClientSampled :
 TP-7-8

Tot Ion:	163	Resp:	69791
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	8.7	8.2	12.2

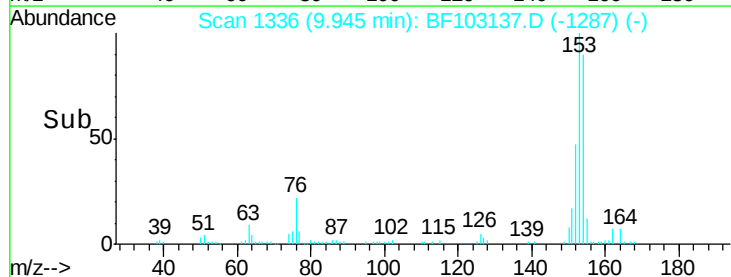
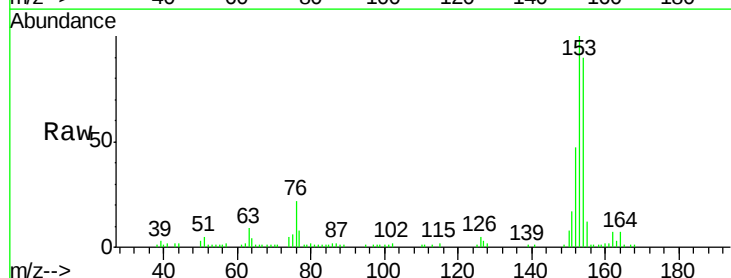
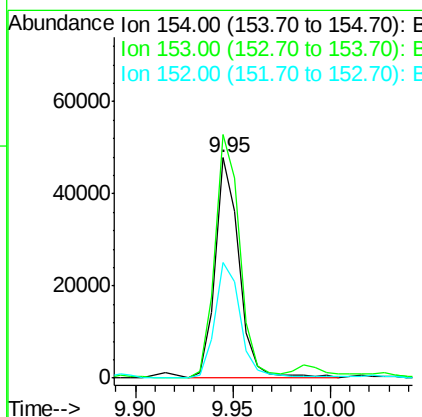
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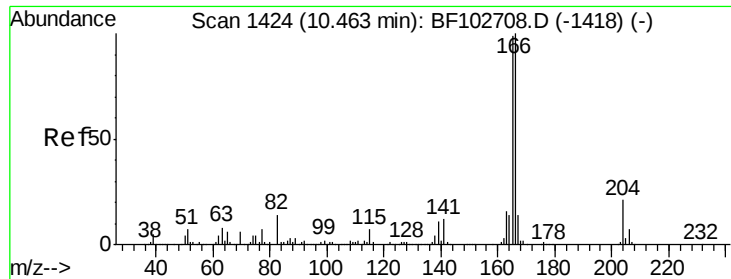
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#51
 Acenaphthene
 Concen: 2.149 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: BF103137.D
 Acq: 21 Feb 2018 15:38

Tgt Ion:	154	Resp:	40835
Ion Ratio	Lower	Upper	
154	100		
153	110.7	91.2	136.8
152	52.4	43.8	65.8





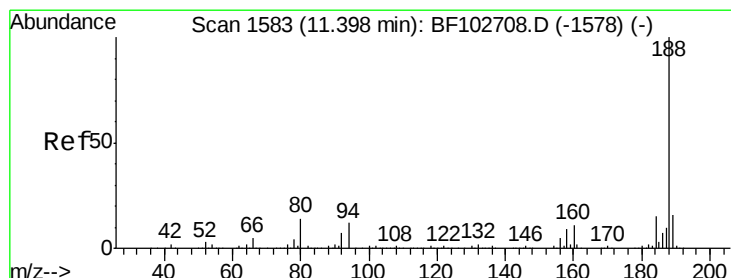
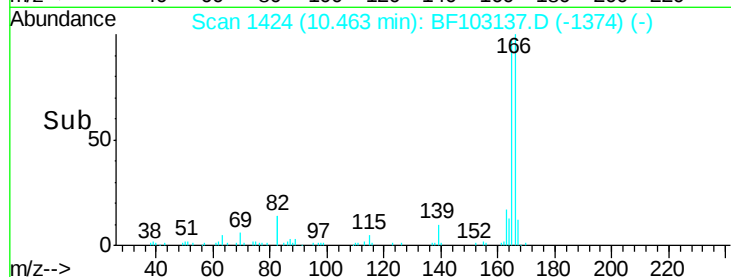
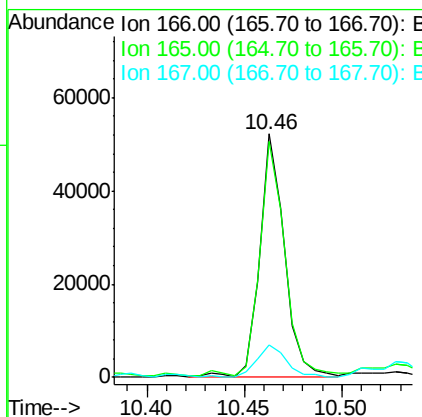
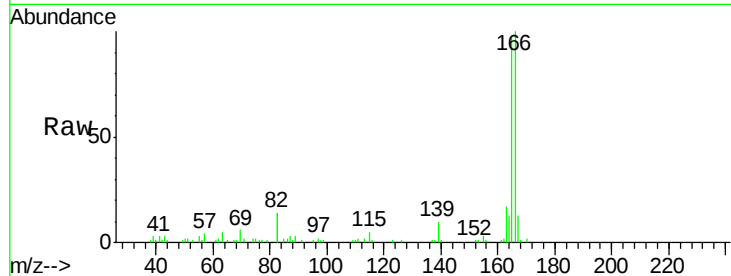
#57
Fluorene
 Concen: 2.378 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF103137.D
 Acq: 21 Feb 2018 15:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-8

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.9	79.8	119.8
167	13.2	10.6	16.0

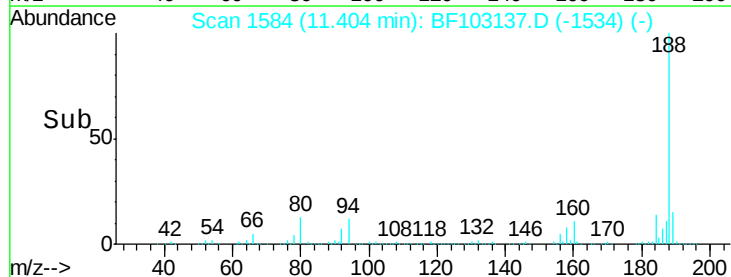
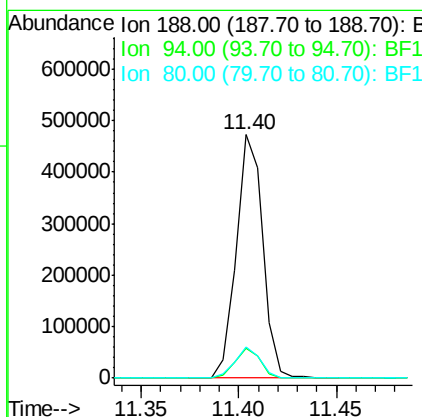
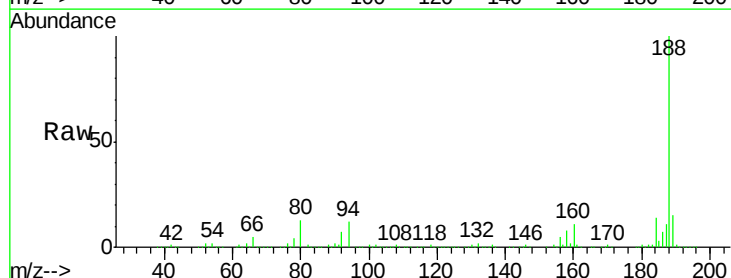
Manual Integrations
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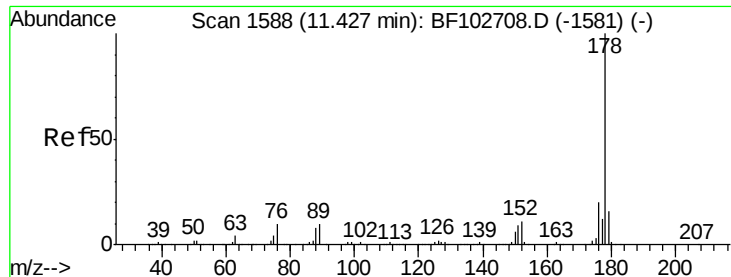
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103137.D
 Acq: 21 Feb 2018 15:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.1	8.5	12.7
80	12.9	9.2	13.8





#70

Phenanthrene

Concen: 23.013 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BF103137.D

Acq: 21 Feb 2018 15:38

Instrument :

BNA_F

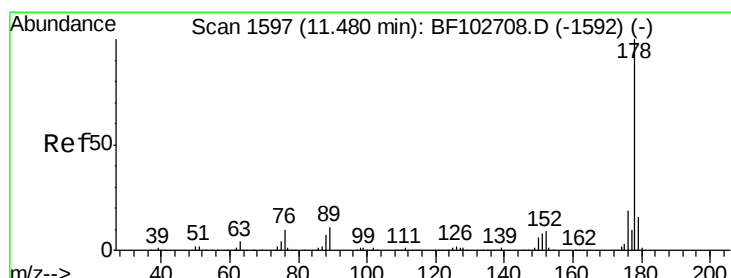
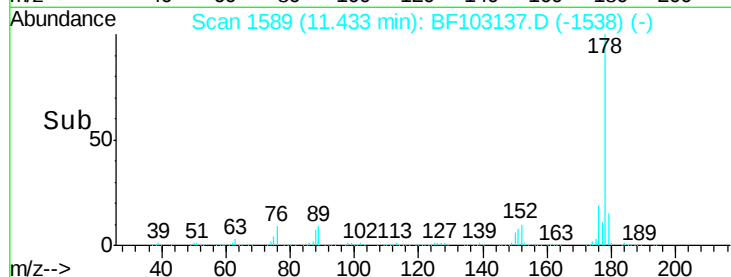
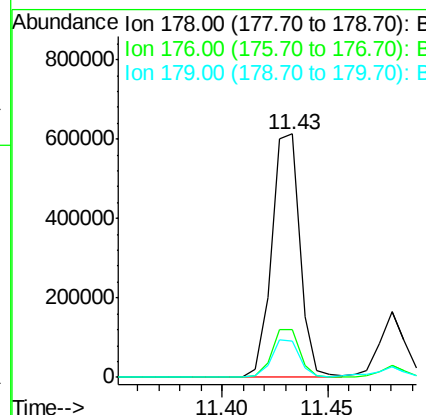
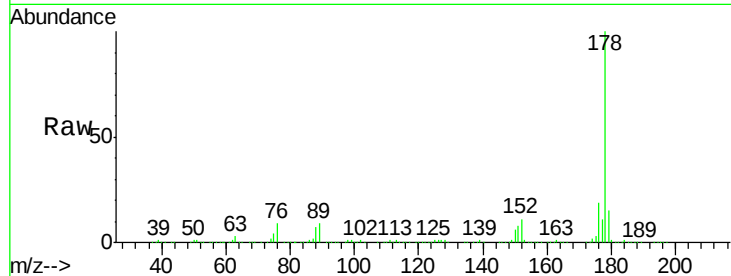
ClientSampled :

TP-7-8

Tot Ion:178	Resp:	570684
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.8 23.8
179	14.9	13.0 19.6

Manual Integrations
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#71

Anthracene

Concen: 5.266 ng

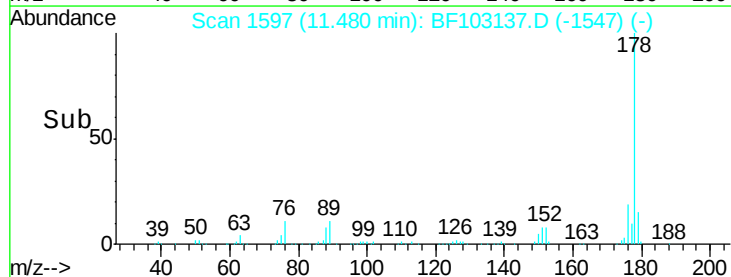
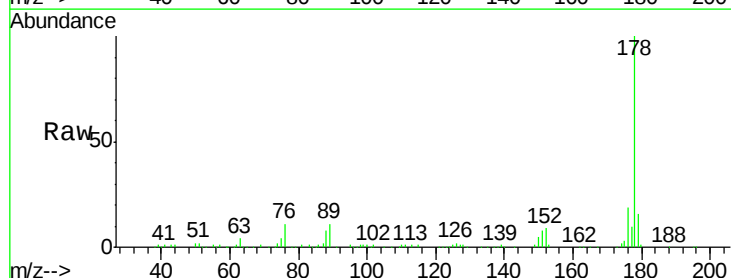
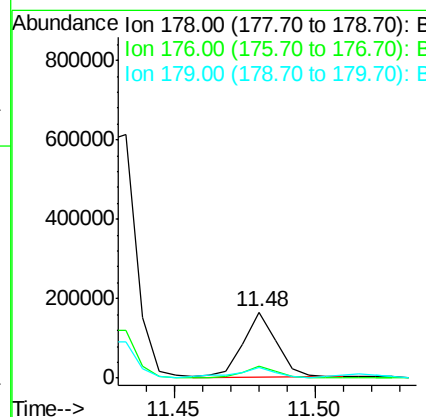
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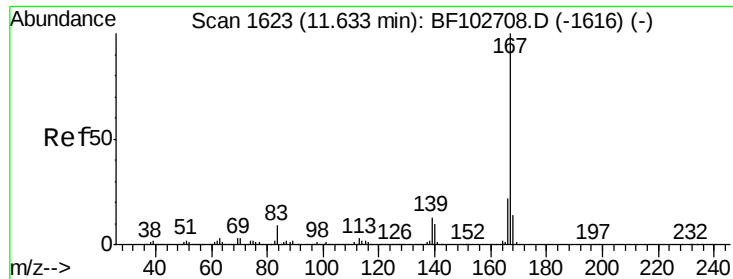
Delta R.T. -0.01 min

Lab File: BF103137.D

Acq: 21 Feb 2018 15:38

Tgt Ion:178	Resp:	132814
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.4 23.2
179	15.5	12.6 19.0





#72

Carbazole

Concen: 2.369 ng

RT: 11.64 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BF103137.D

Acq: 21 Feb 2018 15:38

Instrument :

BNA_F

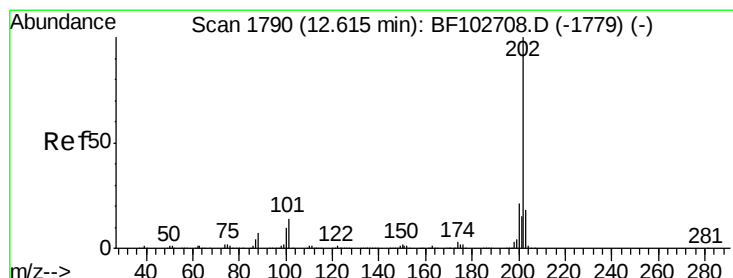
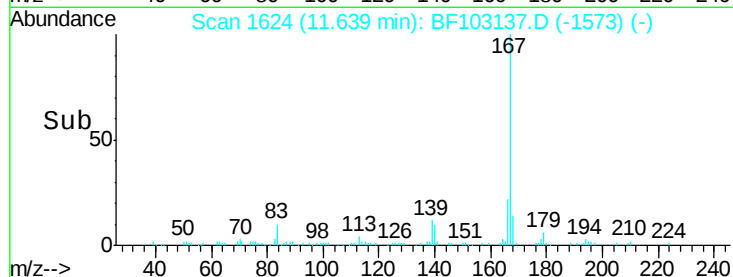
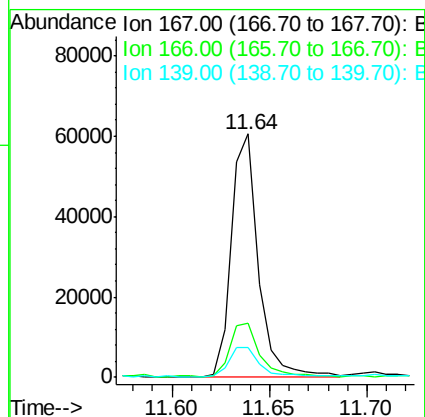
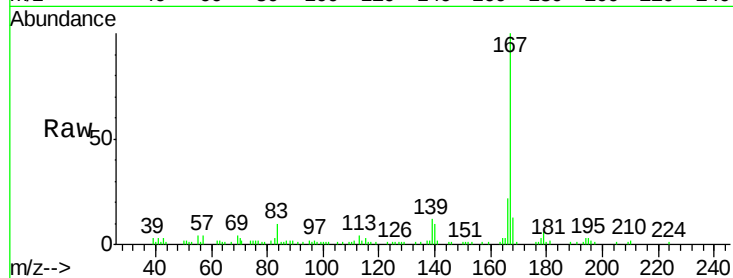
ClientSampled :

TP-7-8

Tot Ion:	167	Resp:	58537
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.6	26.4
139	12.2	10.9	16.3

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#74

Fluoranthene

Concen: 24.519 ng

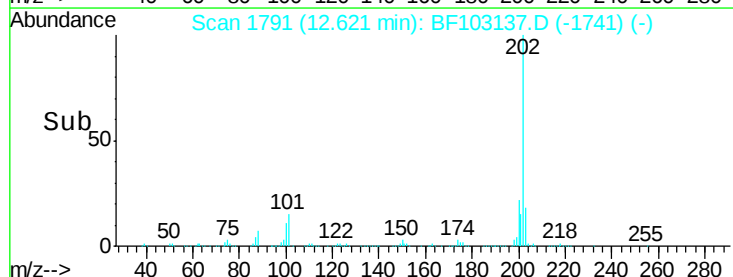
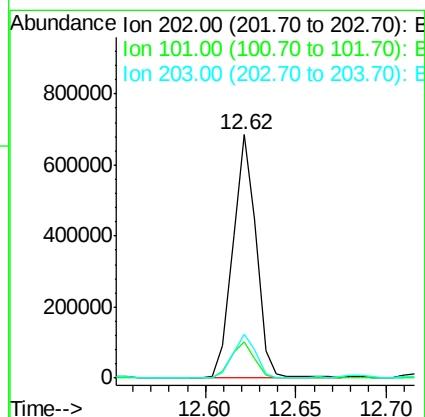
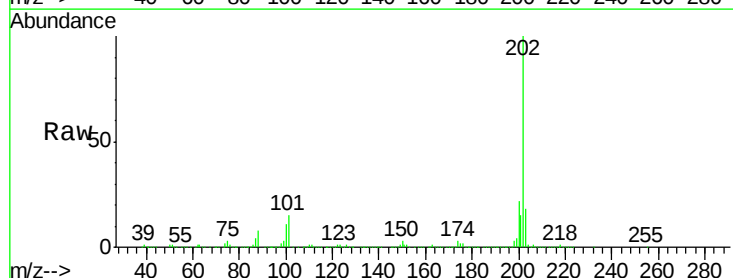
RT: 12.62 min Scan# 1791

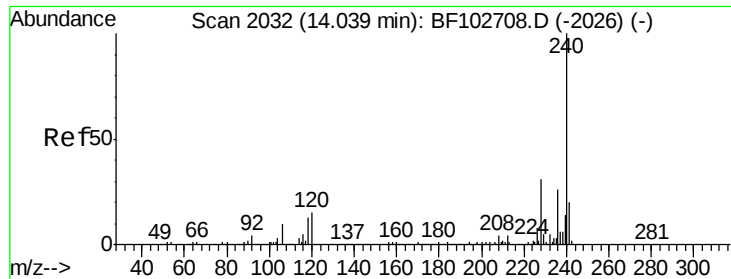
Delta R.T. -0.01 min

Lab File: BF103137.D

Acq: 21 Feb 2018 15:38

Tgt Ion:	202	Resp:	611749
Ion Ratio	Lower	Upper	
202	100		
101	15.1	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103137.D

Acq: 21 Feb 2018 15:38

Instrument :

BNA_F

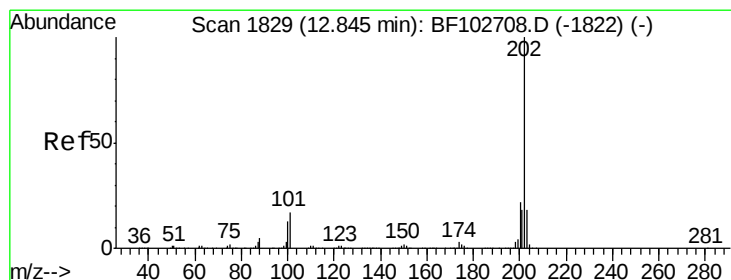
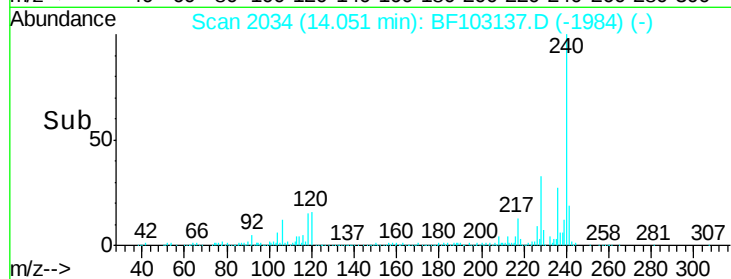
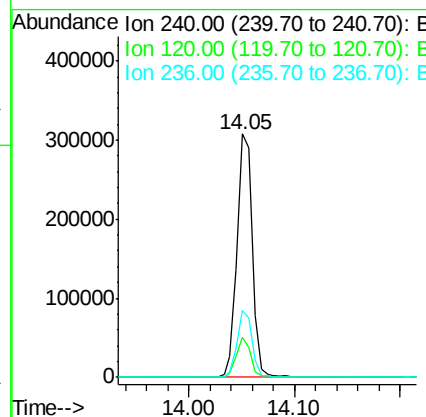
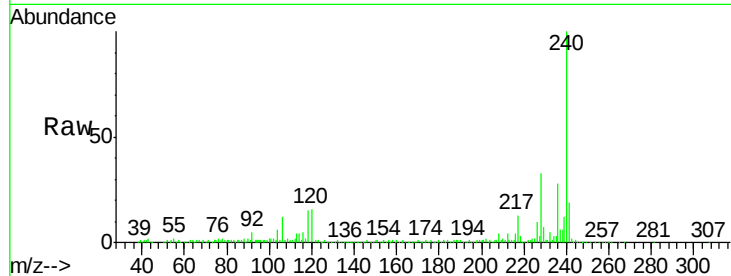
ClientSampled :

TP-7-8

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.4	9.5	14.3#
236	27.6	20.7	31.1

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#77

Pyrene

Concen: 23.768 ng

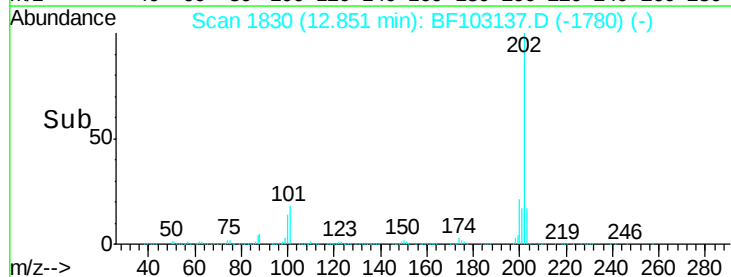
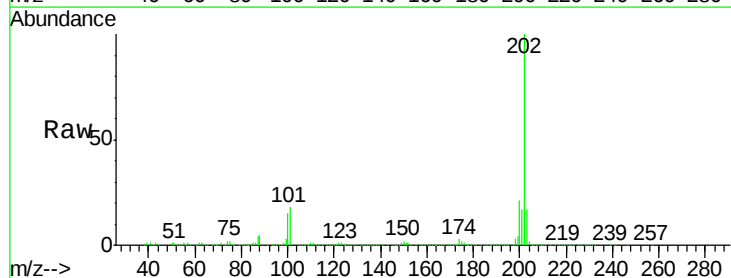
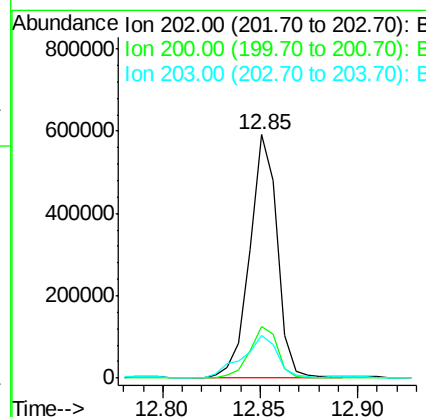
RT: 12.85 min Scan# 1830

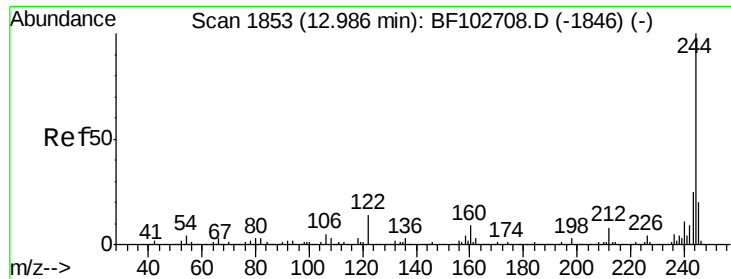
Delta R.T. -0.01 min

Lab File: BF103137.D

Acq: 21 Feb 2018 15:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.5	14.3	21.5





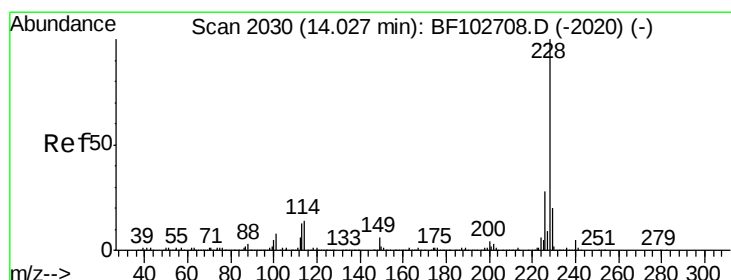
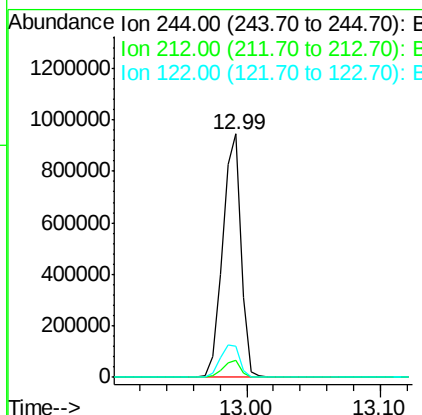
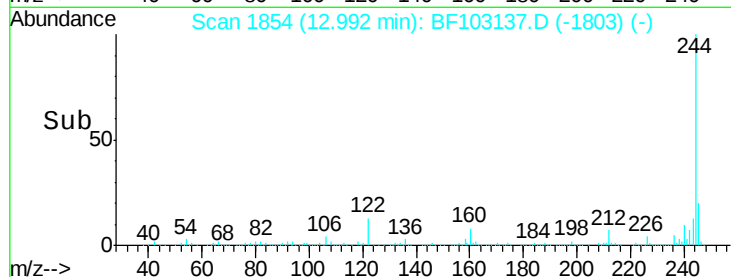
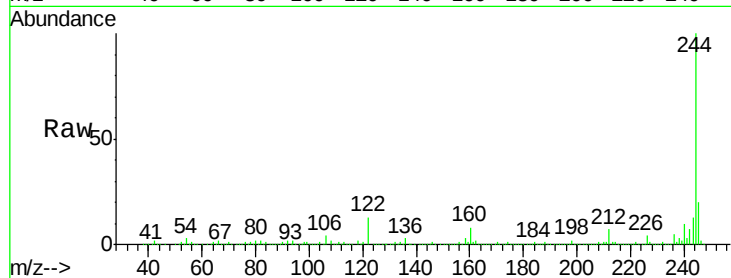
#78
 Terphenyl-d14
 Concen: 70.969 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: BF103137.D
 Acq: 21 Feb 2018 15:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-8

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.9	11.0	16.4

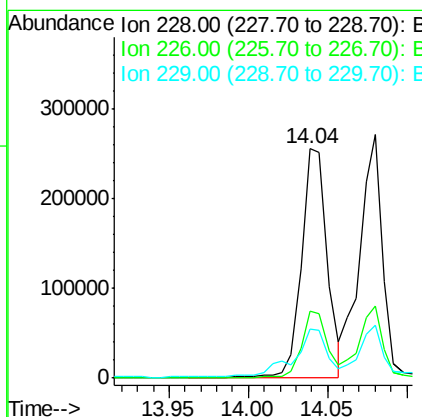
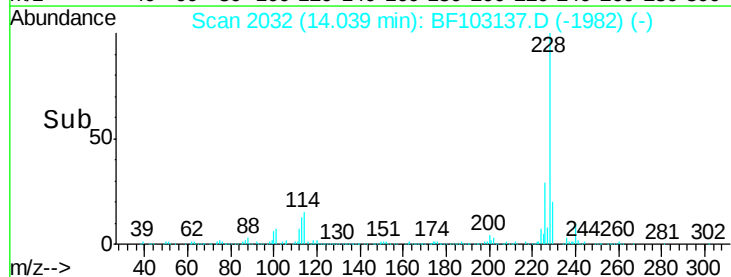
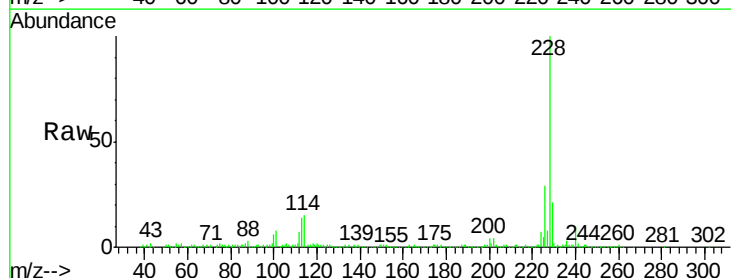
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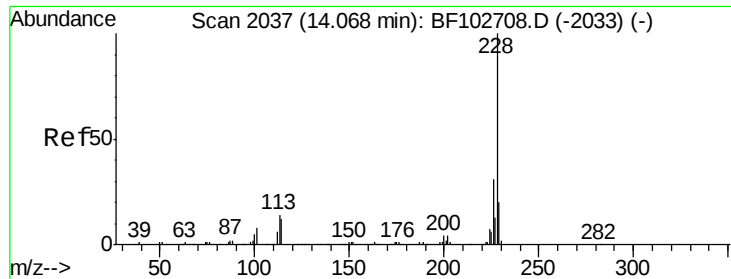
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#80
 Benzo(a)anthracene
 Concen: 14.728 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF103137.D
 Acq: 21 Feb 2018 15:38

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





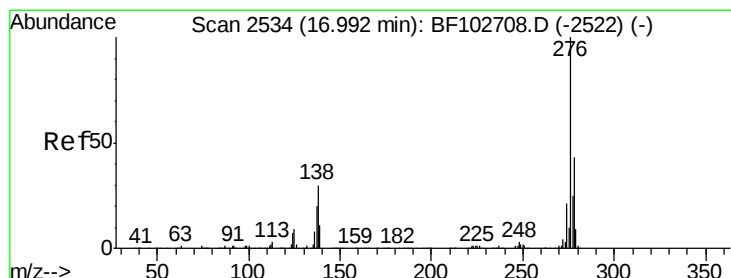
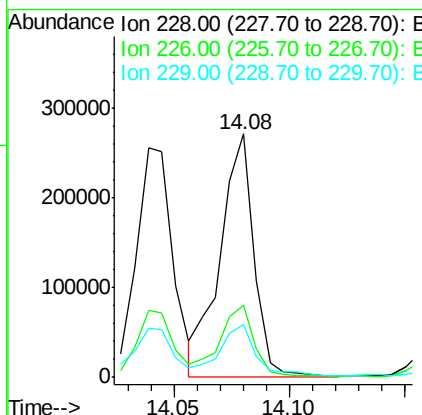
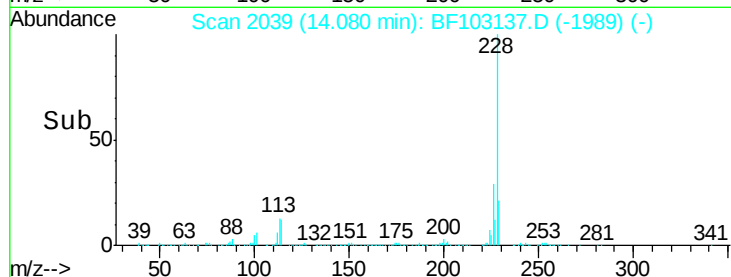
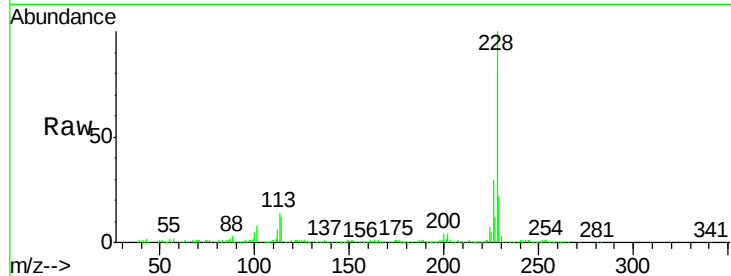
#82
Chrysene
Concen: 14.096 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103137.D
Acq: 21 Feb 2018 15:38

Instrument :
BNA_F
ClientSampled :
TP-7-8

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	21.6	16.2	24.4

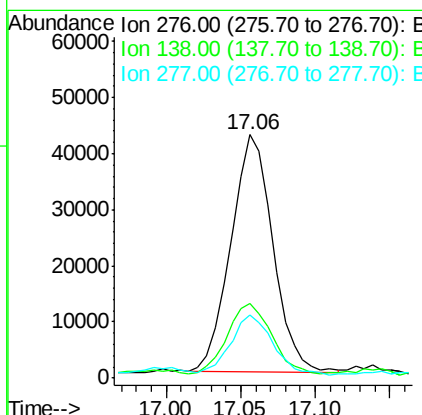
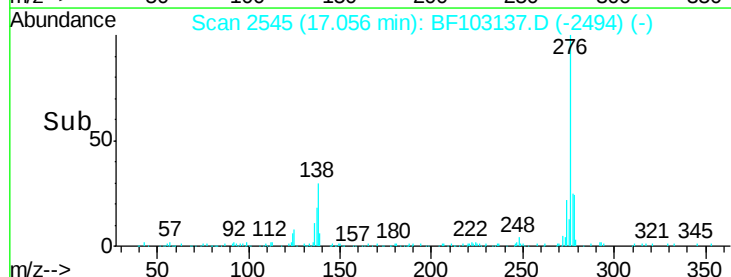
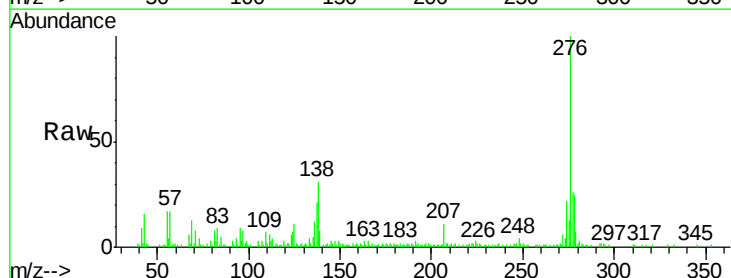
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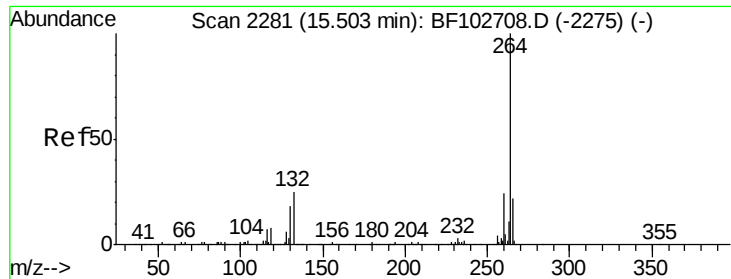
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.129 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.00 min
Lab File: BF103137.D
Acq: 21 Feb 2018 15:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.2	25.0	37.6
277	25.2	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. 0.01 min

Lab File: BF103137.D

Acq: 21 Feb 2018 15:38

Instrument :

BNA_F

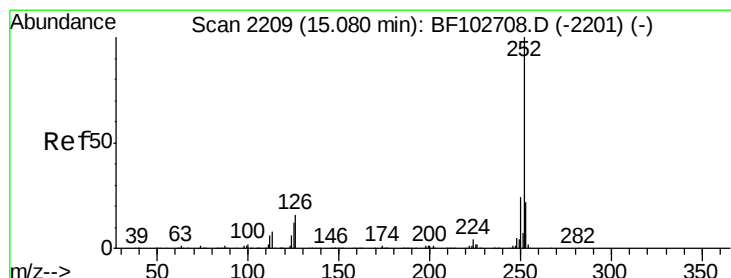
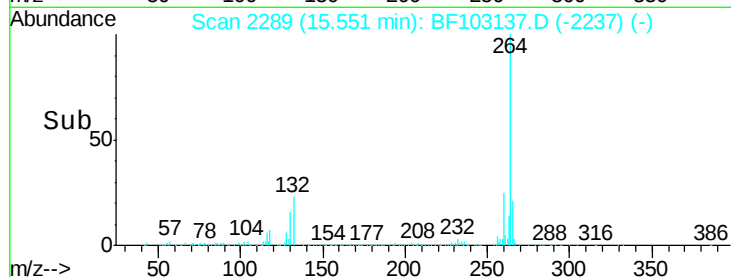
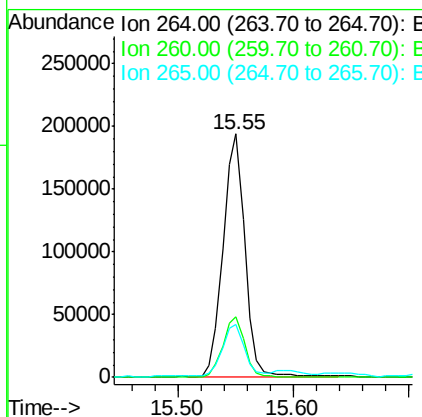
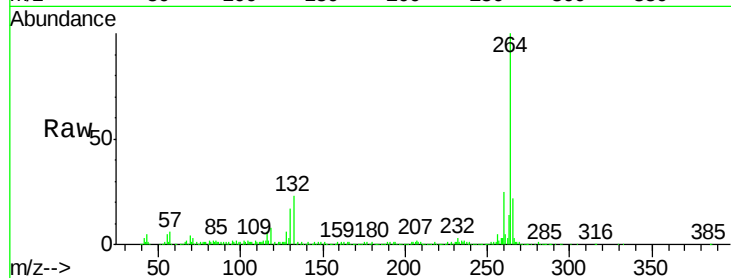
ClientSampled :

TP-7-8

Tot Ion:	264	Resp:	254533
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.2	28.8
265	21.8	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 16.590 ng m

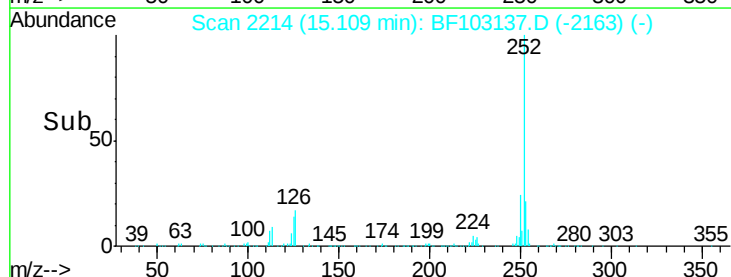
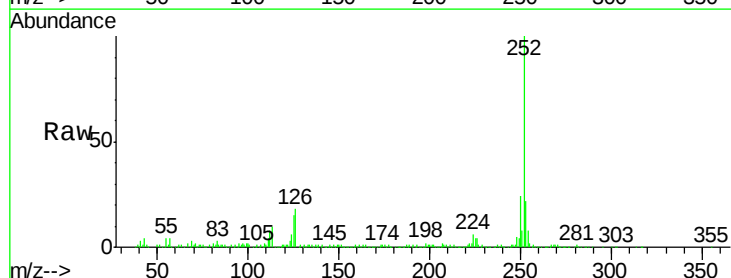
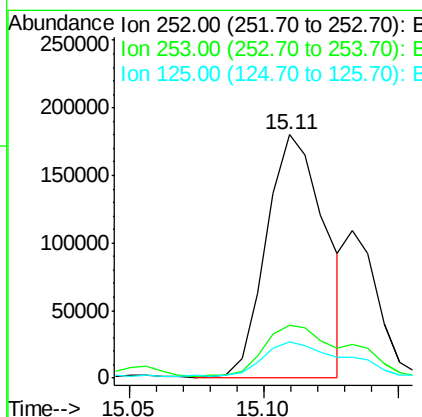
RT: 15.11 min Scan# 2214

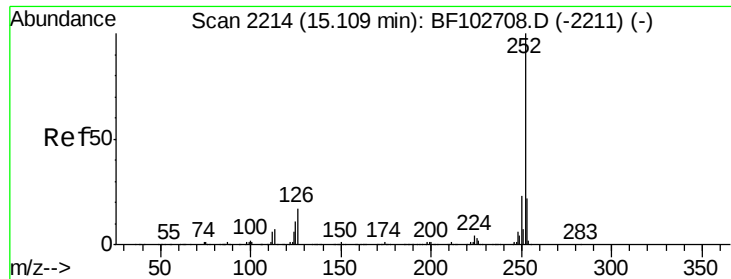
Delta R.T. -0.00 min

Lab File: BF103137.D

Acq: 21 Feb 2018 15:38

Tgt Ion:	252	Resp:	273779
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.0	25.6
125	15.0	9.0	13.6#





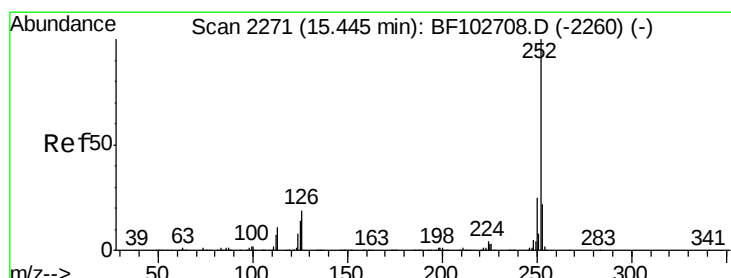
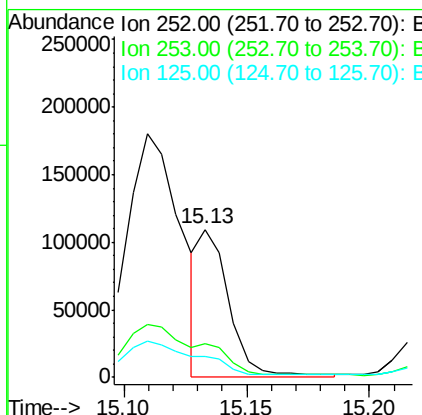
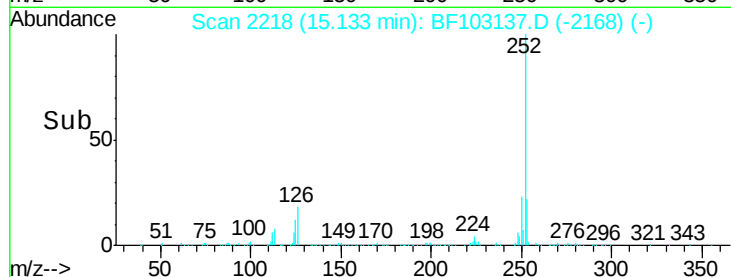
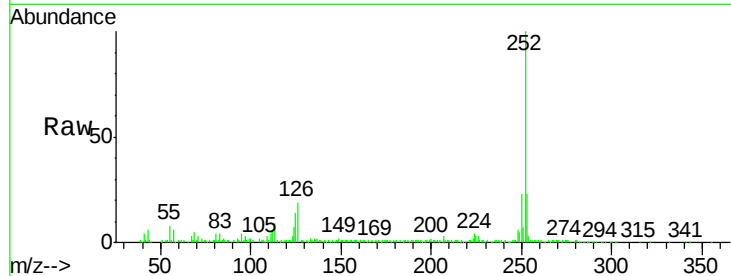
#88
Benzo(k)fluoranthene
Concen: 6.066 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF103137.D
Acq: 21 Feb 2018 15:38

Instrument :
BNA_F
ClientSampled :
TP-7-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	14.1	10.2	15.2

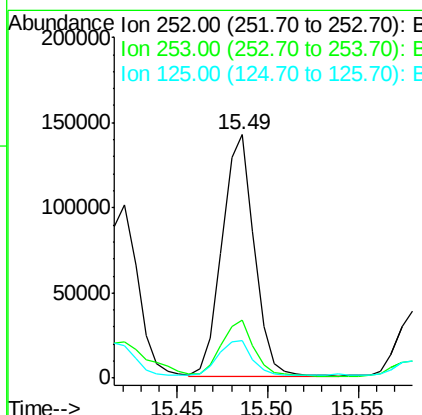
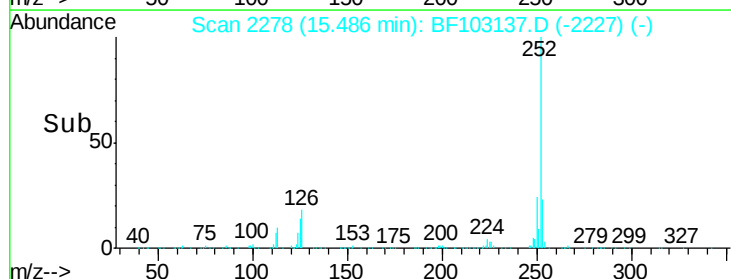
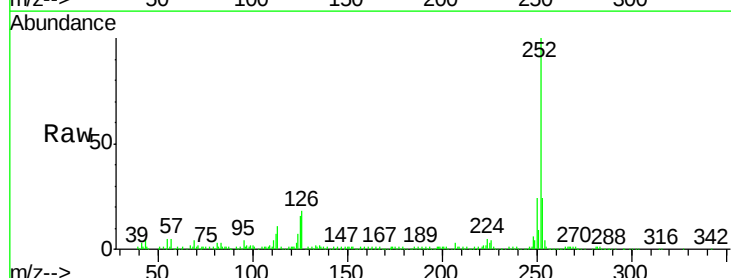
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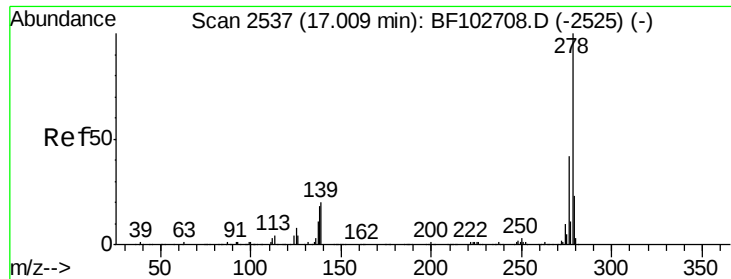
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#89
Benzo(a)pyrene
Concen: 11.927 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.00 min
Lab File: BF103137.D
Acq: 21 Feb 2018 15:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	15.6	9.8	14.6





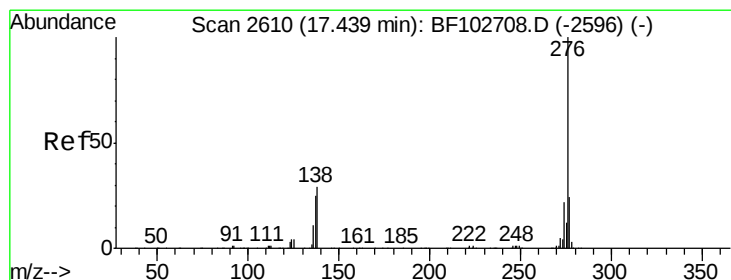
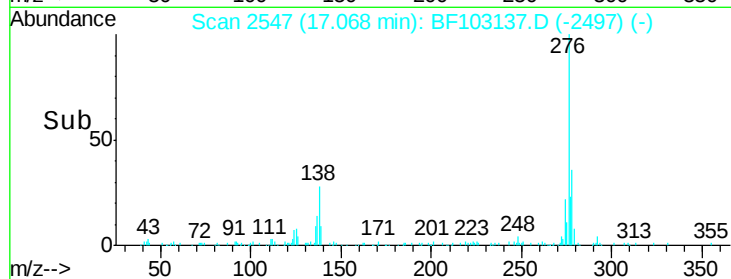
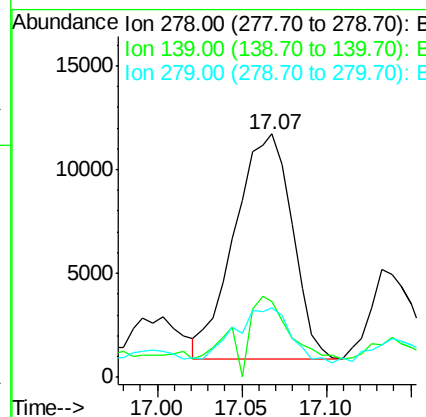
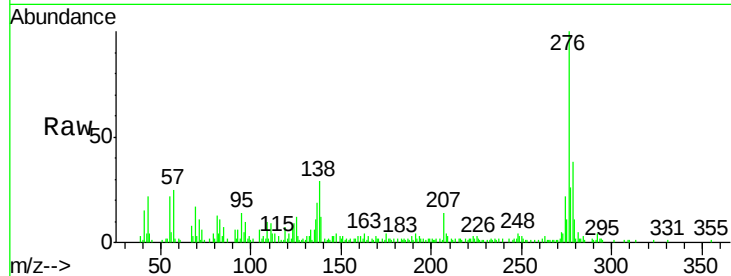
#90
Dibenzo(a,h)anthracene
Concen: 2.127 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BF103137.D
Acq: 21 Feb 2018 15:38

Instrument :
BNA_F
ClientSampled :
TP-7-8

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.1	15.9	23.9#
279	28.5	19.0	28.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.786 ng
RT: 17.52 min Scan# 2623
Delta R.T. -0.01 min
Lab File: BF103137.D
Acq: 21 Feb 2018 15:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	30.7	21.8	32.8

