

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
 Data File : BF114039.D
 Acq On : 30 Apr 2019 13:59
 Operator : JU/SJ
 Sample : K2199-17 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042919-A

Manual Integrations
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 5/1/2019 11:58:36 AM

Quant Time: May 01 04:39:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	128220	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	495870	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	248490	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	438287	20.00	ng	-0.01
76) Chrysene-d12	14.05	240	371455	20.00	ng	-0.02
87) Perylene-d12	15.56	264	381239	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	352634	47.04	ng	0.00
7) Phenol-d6	6.51	99	476424	50.65	ng	-0.01
23) Nitrobenzene-d5	7.45	82	278852	34.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	135241	44.68	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	572888	36.06	ng	-0.02
79) Terphenyl-d14	12.99	244	549821	30.35	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.19	128	47571	2.019	ng	98
37) 2-Methylnaphthalene	8.88	142	65630	4.132	ng	97
38) 1-Methylnaphthalene	8.98	142	67799	4.422	ng	94
50) Dimethylphthalate	9.63	163	88476	4.923	ng	98
52) Acenaphthene	9.95	154	38818	2.718	ng	99
58) Fluorene	10.47	166	73061	4.536	ng	99
71) Phenanthrene	11.43	178	450558	20.455	ng	99
72) Anthracene	11.48	178	103041	4.633	ng	97
75) Fluoranthene	12.62	202	483572	20.123	ng	98
78) Pyrene	12.85	202	494541	19.038	ng	99
81) Benzo(a)anthracene	14.04	228	244081	11.153	ng	95
83) Chrysene	14.08	228	250604	11.757	ng	97
86) Indeno(1,2,3-cd)pyrene	17.04	276	94247	4.668	ng	96
88) Benzo(b)fluoranthene	15.13	252	281135m	11.655	ng	
89) Benzo(k)fluoranthene	15.15	252	69330m	3.342	ng	
90) Benzo(a)pyrene	15.50	252	193678	9.283	ng	97
92) Benzo(a,h,i)perylene	17.50	276	89763	4.542	ng	96

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

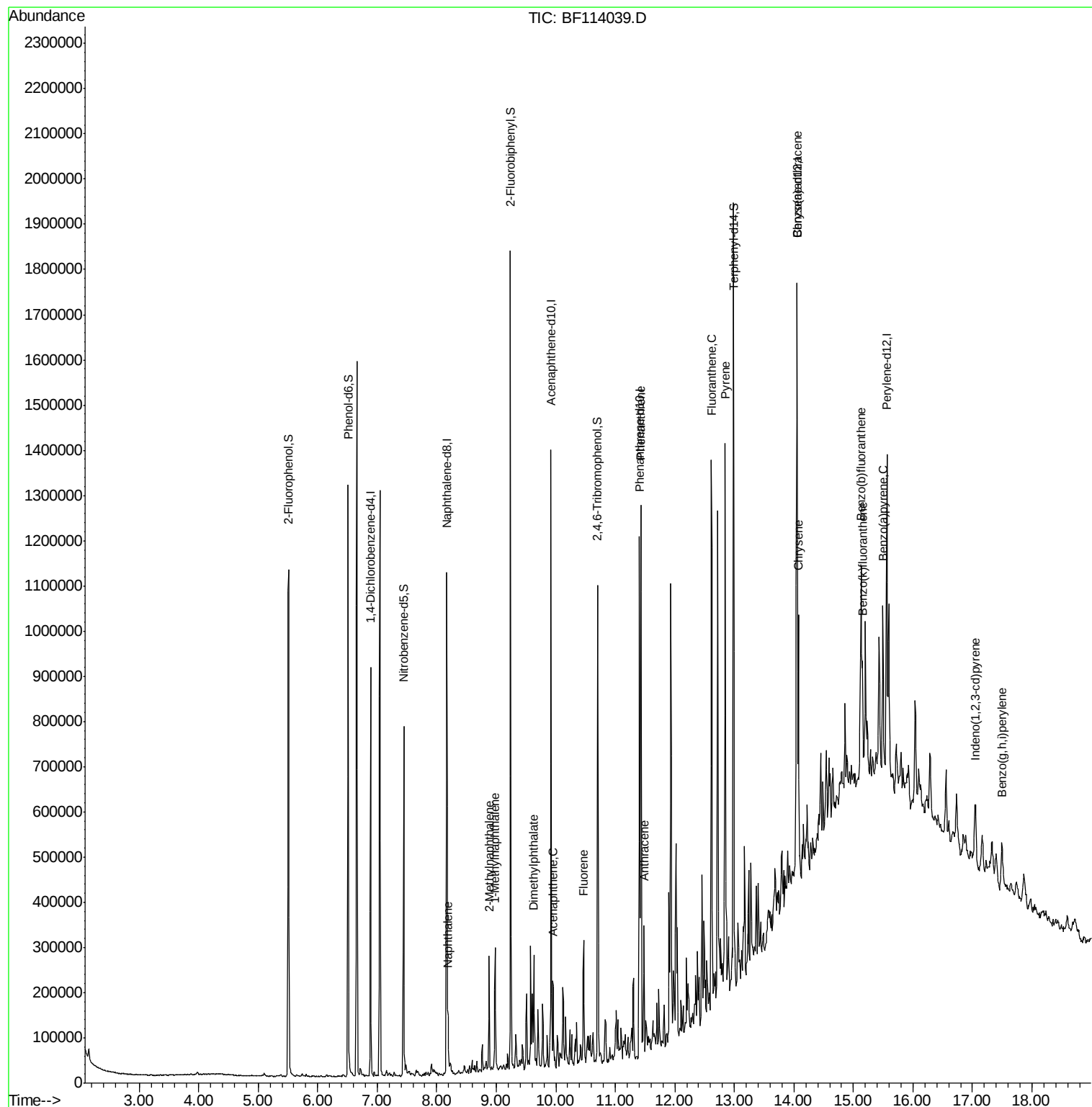
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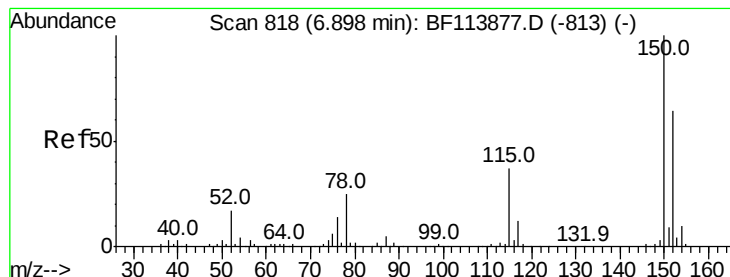
Instrument :
BNA_F
ClientSampled :
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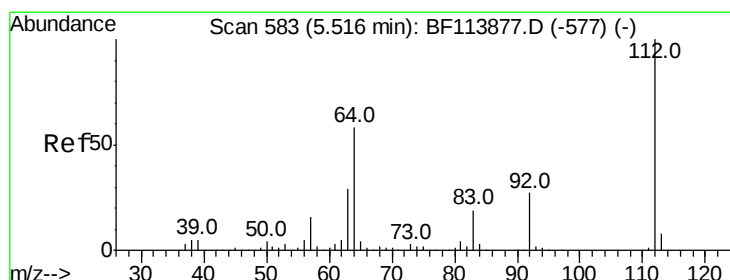
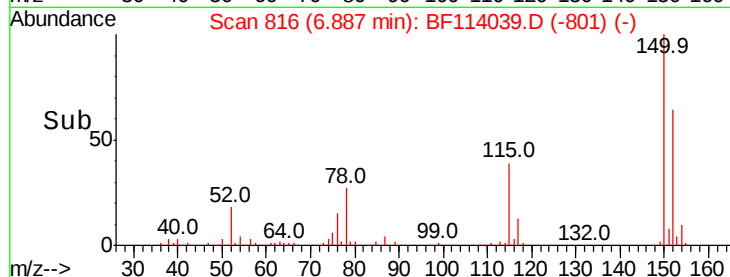
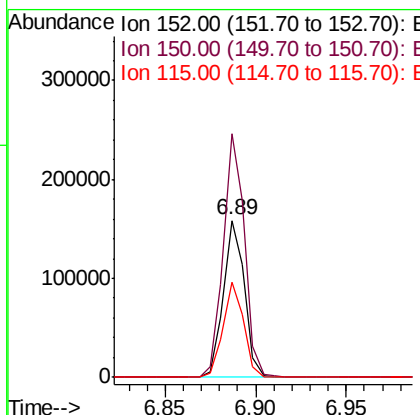
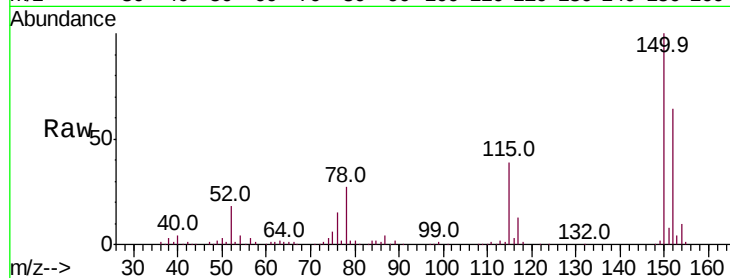
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF114039.D
 Acq: 30 Apr 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042919-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.9	188.9
115	61.0	45.9	68.9

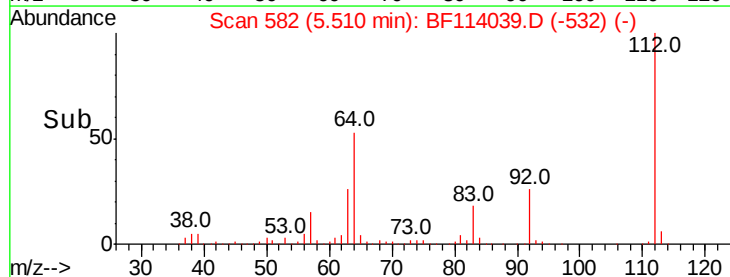
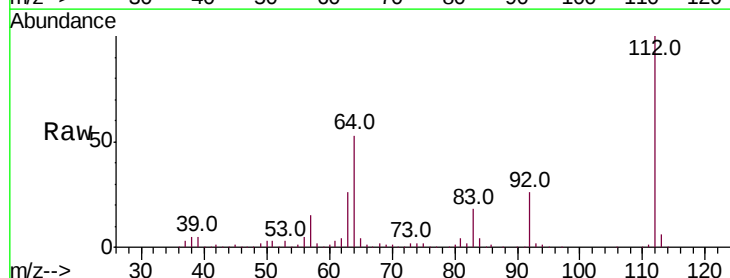
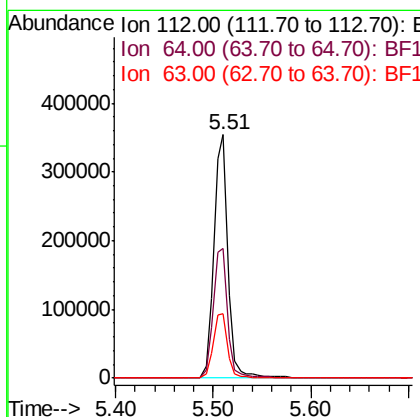
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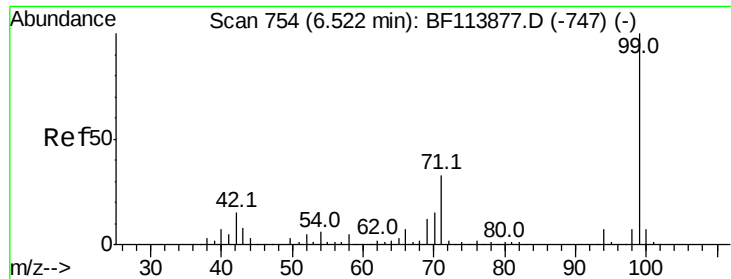
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#5
 2-Fluorophenol
 Concen: 47.039 ng
 RT: 5.51 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: BF114039.D
 Acq: 30 Apr 2019 13:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	46.6	69.8
63	26.4	23.1	34.7





#7

Phenol-d6

Concen: 50.654 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF114039.D

Acq: 30 Apr 2019 13:59

Instrument :

BNA_F

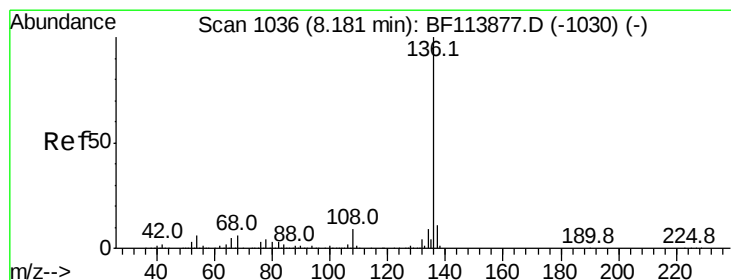
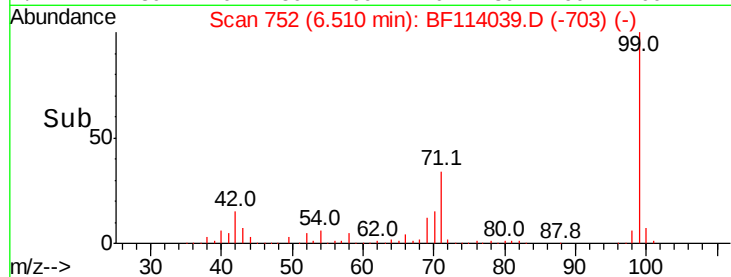
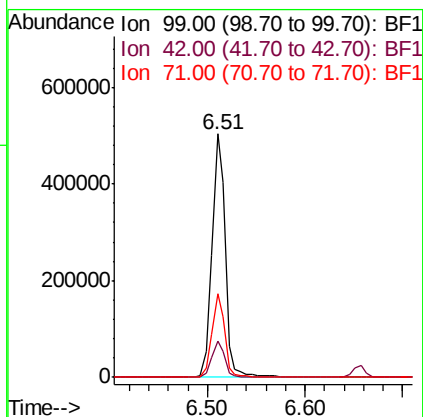
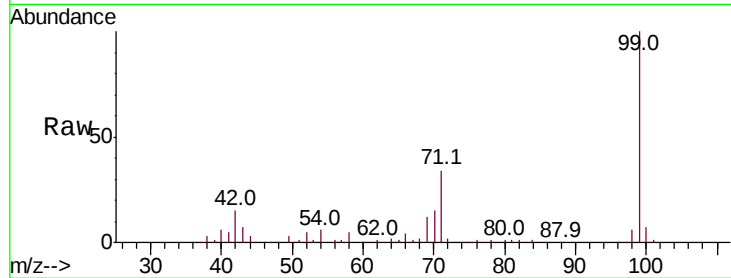
ClientSampleId :

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Tot Ion:	99	Resp:	476424
Ion	Ratio	Lower	Upper
99	100		
42	14.8	12.5	18.7
71	34.3	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

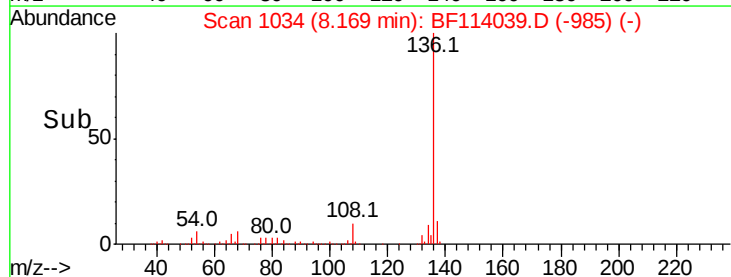
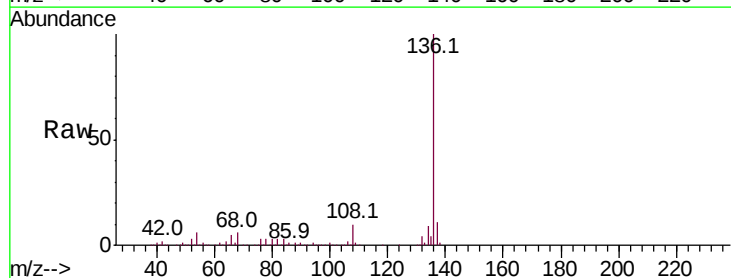
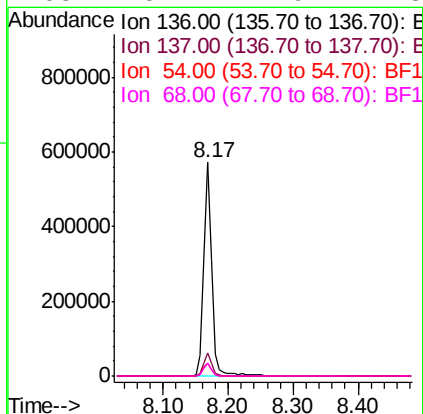
RT: 8.17 min Scan# 1034

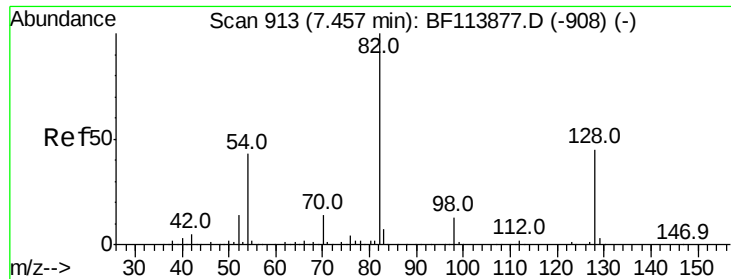
Delta R.T. -0.01 min

Lab File: BF114039.D

Acq: 30 Apr 2019 13:59

Tgt Ion:	136	Resp:	495870
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	6.1	5.0	7.6
68	6.1	4.9	7.3





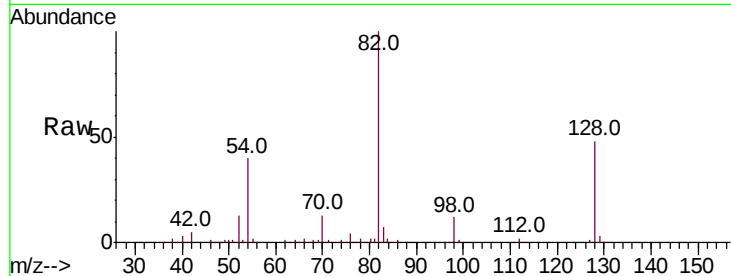
#23
 Nitrobenzene-d5
 Concen: 34.722 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF114039.D
 Acq: 30 Apr 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042919-A

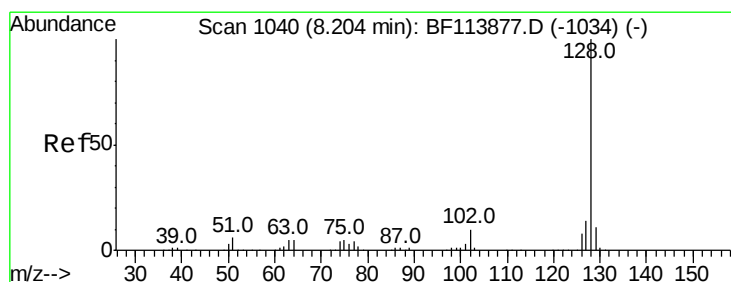
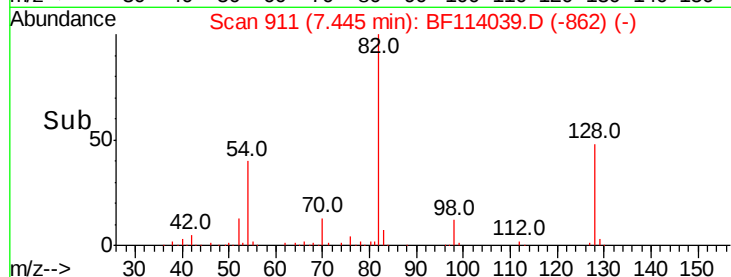
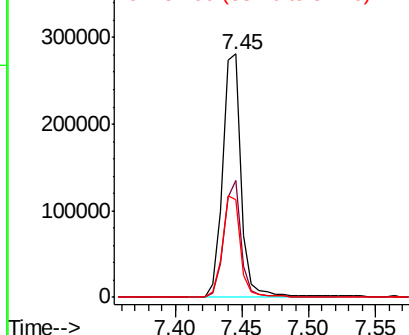
Tot Ion	Ratio	Resp	Lower	Upper
82	100	278852		
128	47.8		36.8	55.2
54	40.1		33.8	50.6

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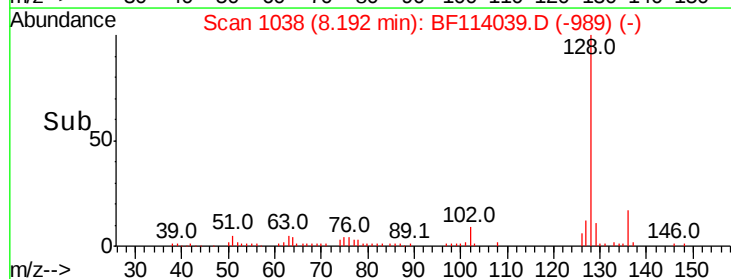
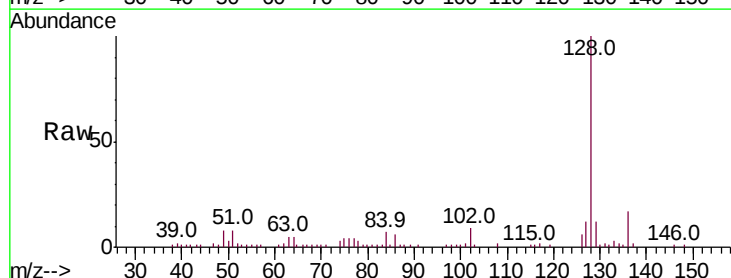
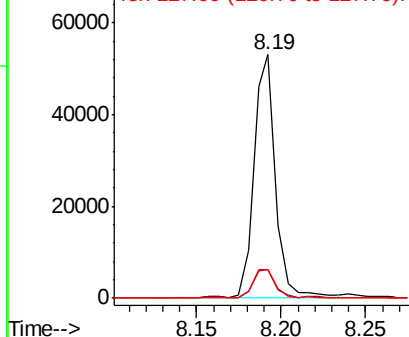
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 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

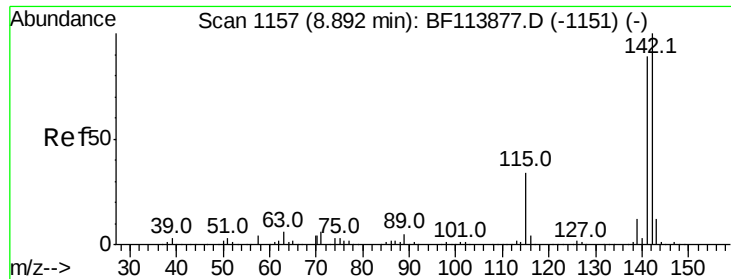


#31
 Naphthalene
 Concen: 2.019 ng
 RT: 8.19 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF114039.D
 Acq: 30 Apr 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	47571		
129	11.7		9.4	14.0
127	11.9		10.8	16.2

Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





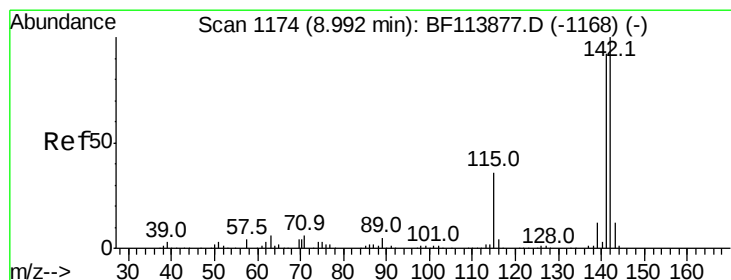
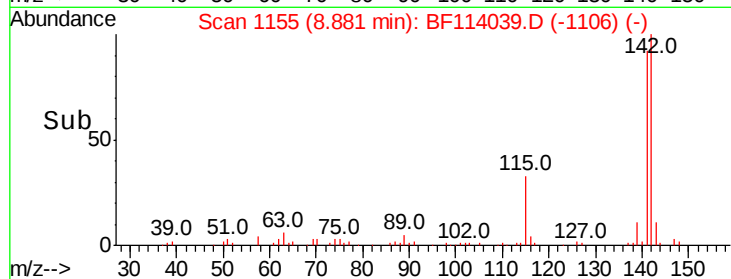
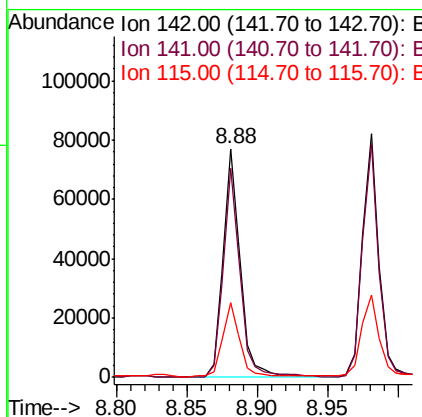
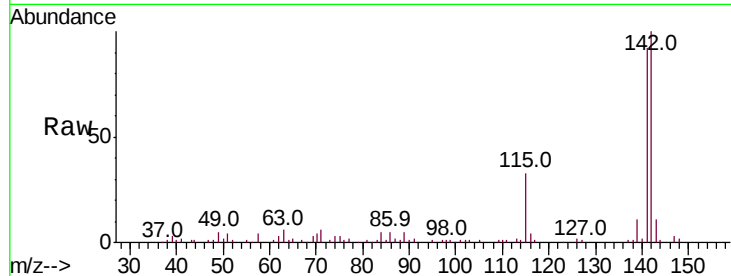
#37
2-Methylnaphthalene
Concen: 4.132 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF114039.D
Acq: 30 Apr 2019 13:59

Instrument :
BNA_F
ClientSampleId :
OR-02-042919-A

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.6	70.4	105.6
115	32.9	26.3	39.5

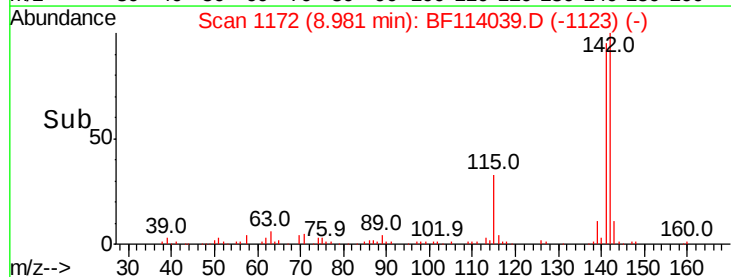
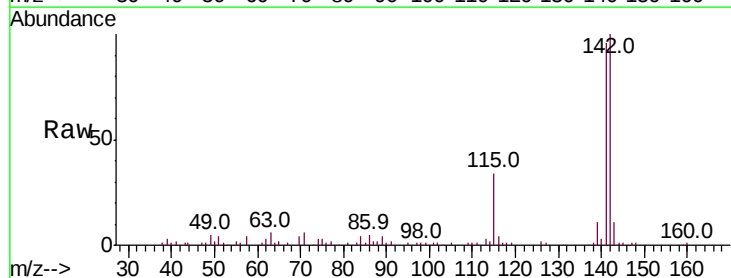
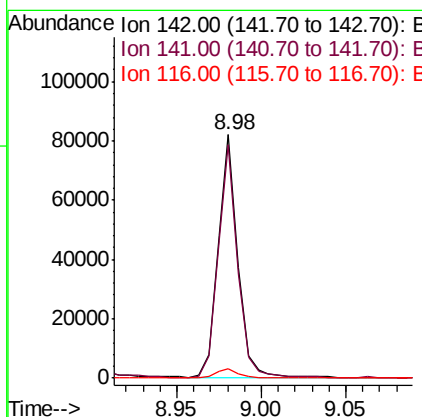
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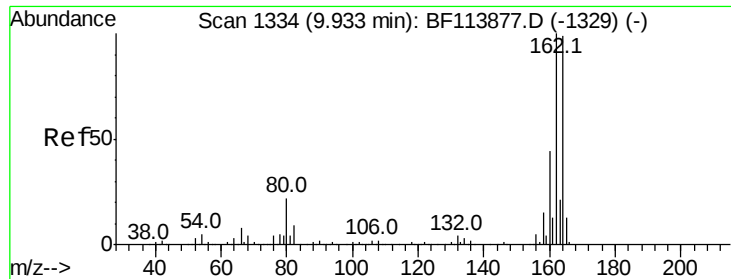
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#38
1-Methylnaphthalene
Concen: 4.422 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF114039.D
Acq: 30 Apr 2019 13:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.0	72.3	108.5
116	4.1	3.0	4.4





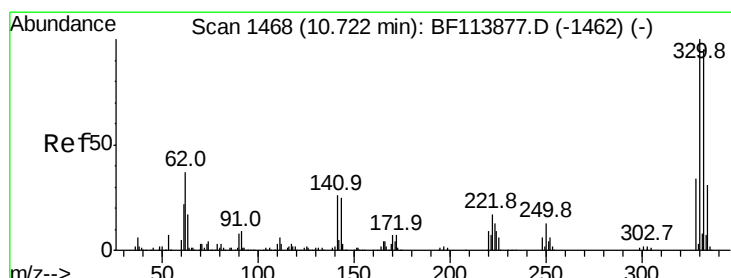
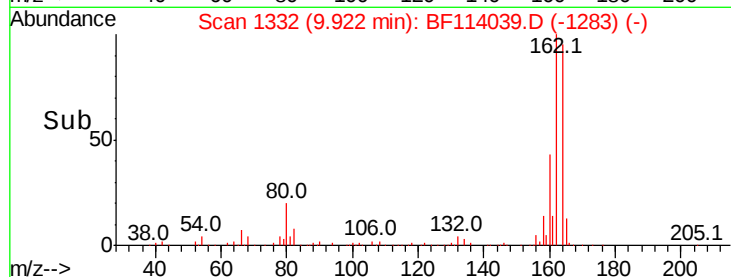
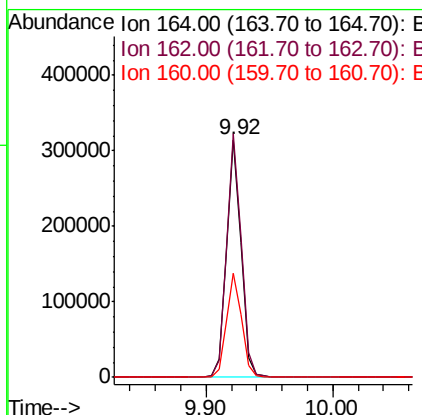
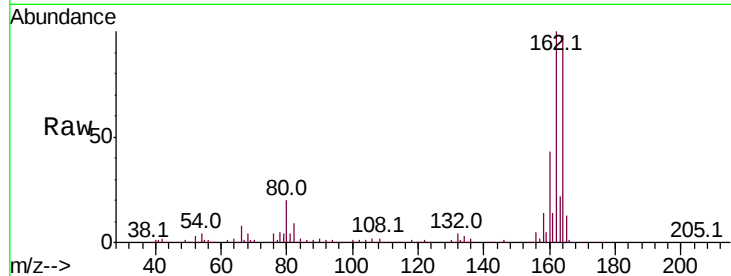
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF114039.D
Acq: 30 Apr 2019 13:59

Instrument :
BNA_F
ClientSampleId :
OR-02-042919-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100	248490		
162	102.5	81.1	121.7	
160	43.6	35.8	53.6	

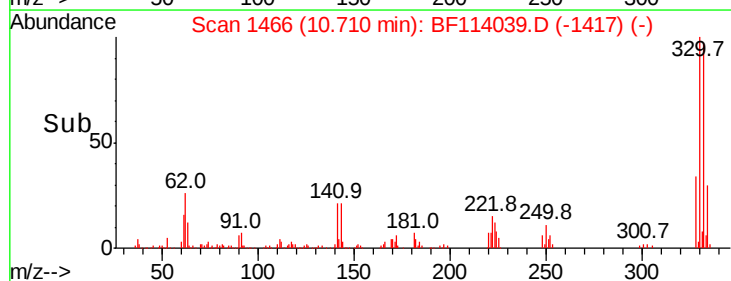
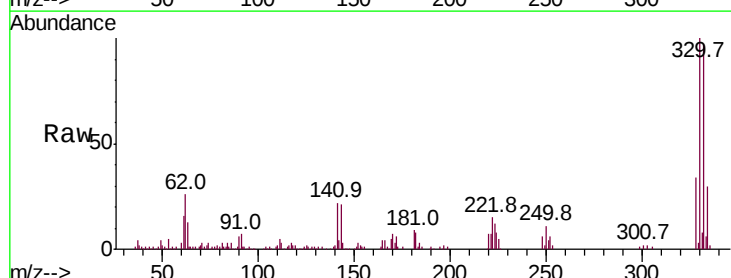
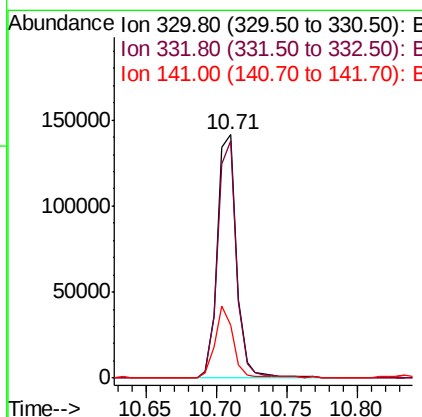
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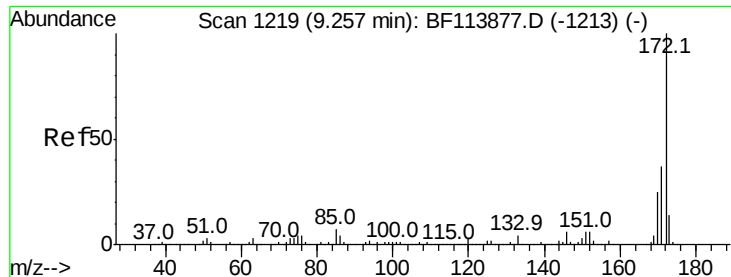
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#42
2,4,6-Tribromophenol
Concen: 44.677 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF114039.D
Acq: 30 Apr 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	135241		
332	95.5	77.5	116.3	
141	27.7	22.2	33.2	





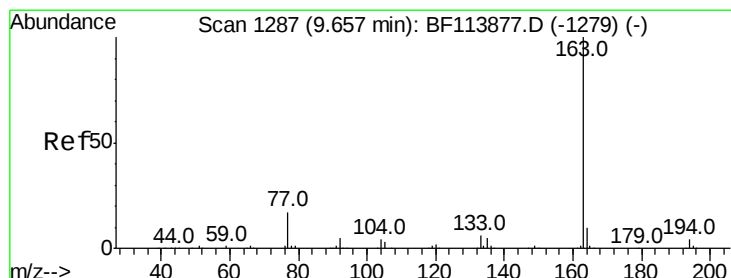
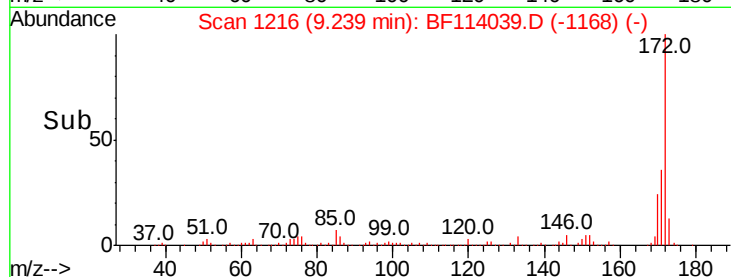
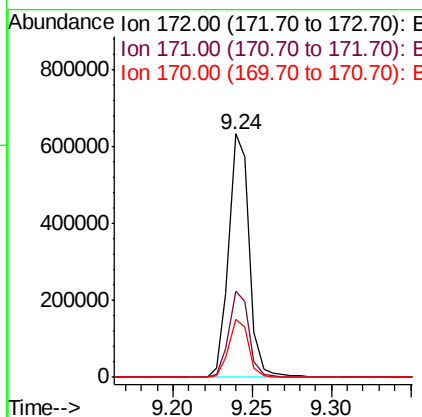
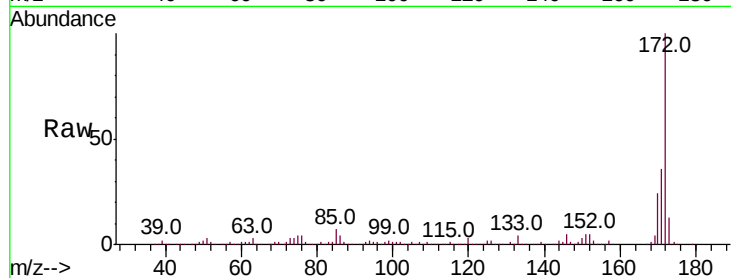
#45
2-Fluorobiphenyl
Concen: 36.058 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.02 min
Lab File: BF114039.D
Acq: 30 Apr 2019 13:59

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100	572888		
171	35.5		29.4	44.0
170	23.7		19.9	29.9

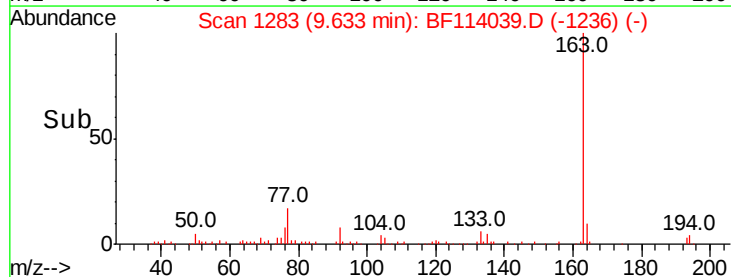
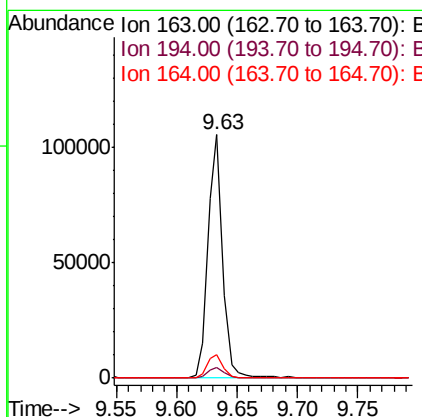
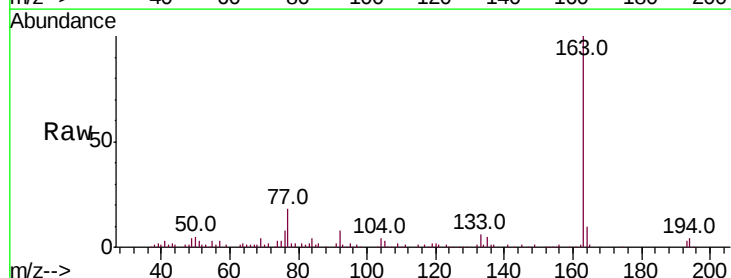
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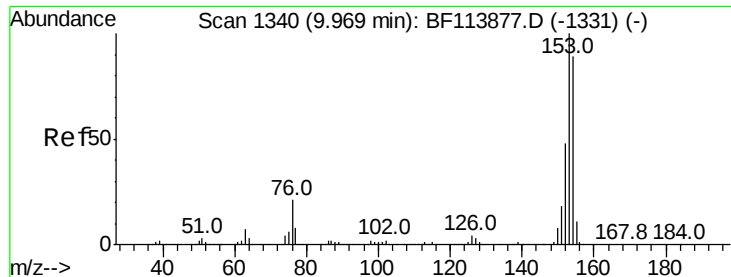
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#50
Dimethylphthalate
Concen: 4.923 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF114039.D
Acq: 30 Apr 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	88476		
194	4.4		3.4	5.2
164	9.7		8.5	12.7





#52

Acenaphthene

Concen: 2.718 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF114039.D

Acq: 30 Apr 2019 13:59

Instrument :

BNA_F

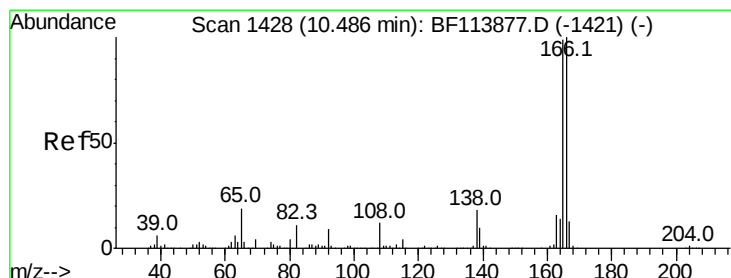
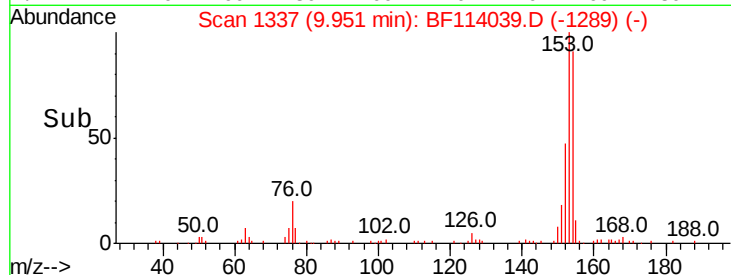
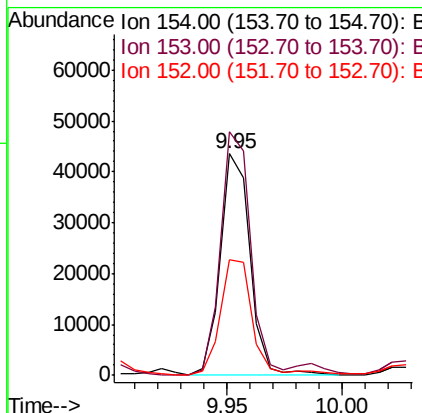
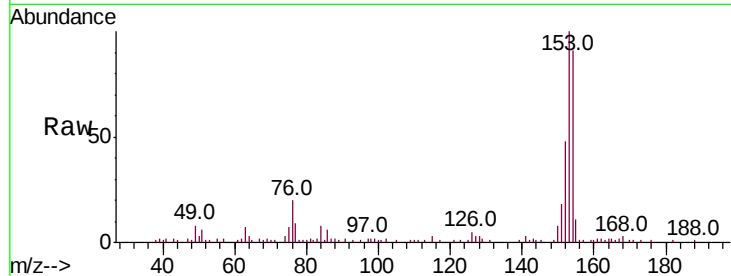
ClientSampleId :

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Tot Ion:	154	Resp:	38818
Ion Ratio	Lower	Upper	
154	100		
153	109.8	87.2	130.8
152	52.4	42.3	63.5

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#58

Fluorene

Concen: 4.536 ng

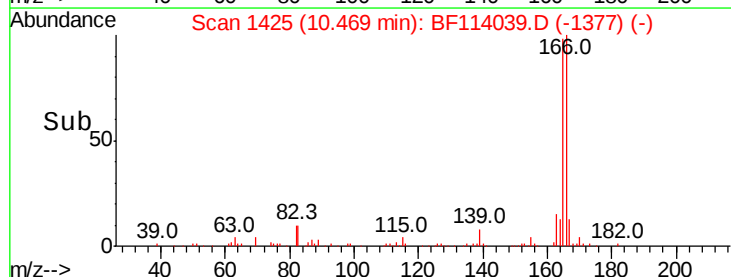
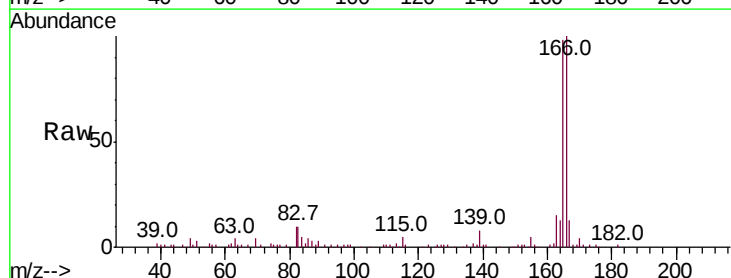
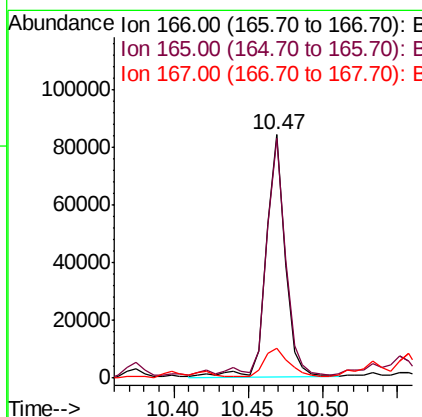
RT: 10.47 min Scan# 1425

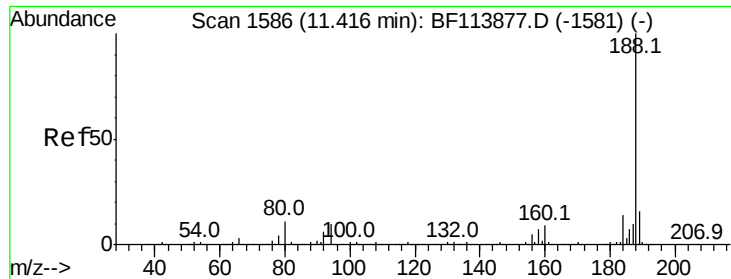
Delta R.T. -0.02 min

Lab File: BF114039.D

Acq: 30 Apr 2019 13:59

Tgt Ion:	166	Resp:	73061
Ion Ratio	Lower	Upper	
166	100		
165	98.4	78.4	117.6
167	12.5	10.9	16.3





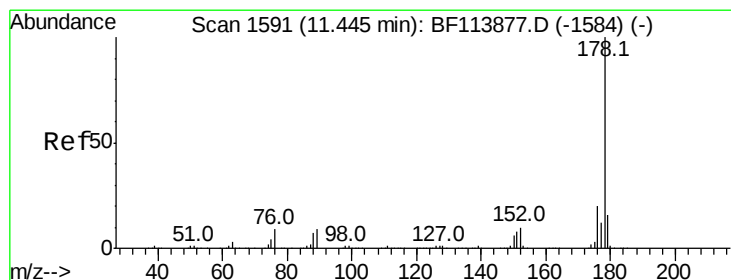
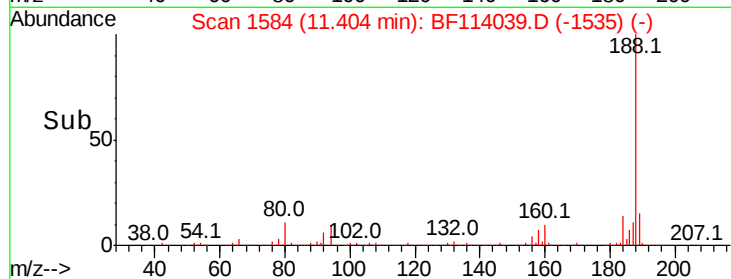
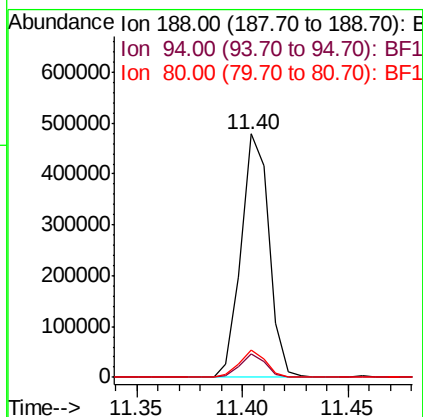
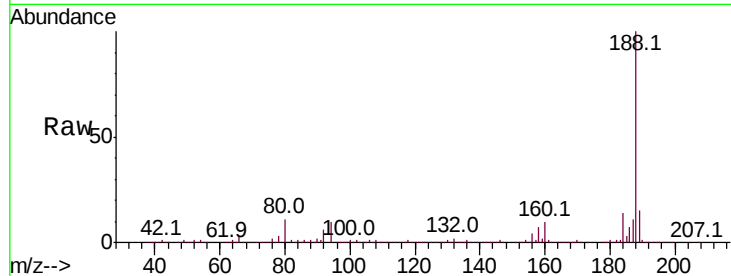
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF114039.D
Acq: 30 Apr 2019 13:59

Instrument :
BNA_F
ClientSampleId :
OR-02-042919-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	438287		
94	9.7	8.2	12.4	
80	11.0	9.0	13.6	

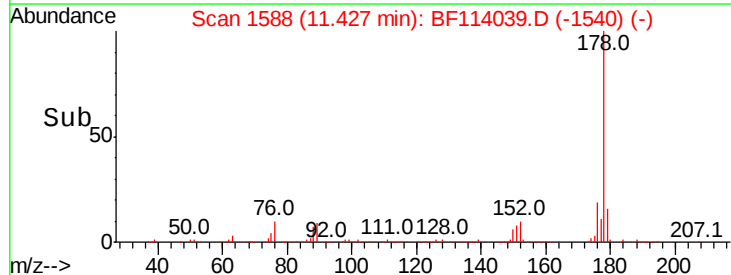
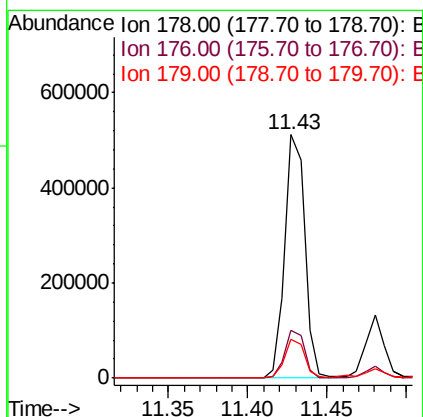
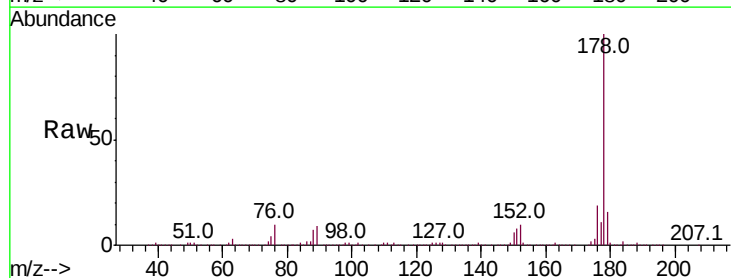
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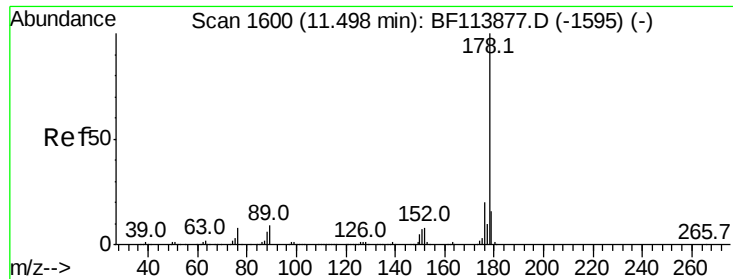
Sohil
5/1/2019 11:58:36 AM



#71
Phenanthrene
Concen: 20.455 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF114039.D
Acq: 30 Apr 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	450558		
176	19.5	16.1	24.1	
179	15.7	12.8	19.2	





#72

Anthracene

Concen: 4.633 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.02 min

Lab File: BF114039.D

Acq: 30 Apr 2019 13:59

Instrument :

BNA_F

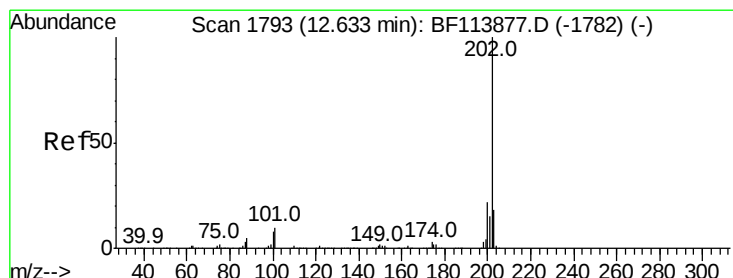
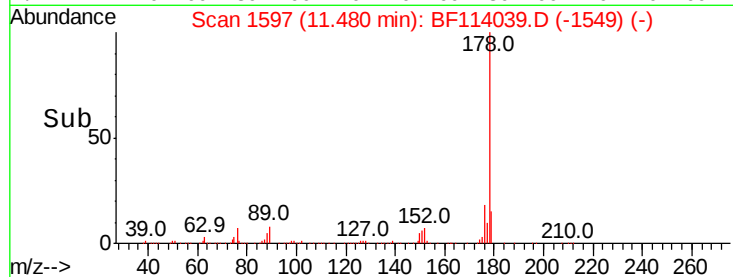
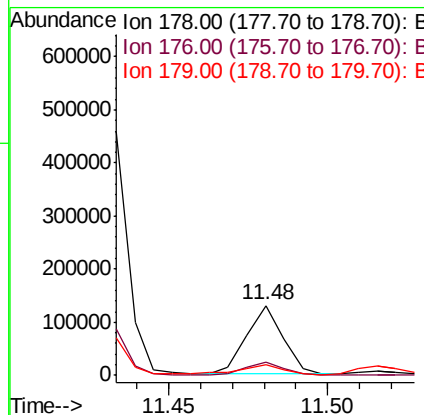
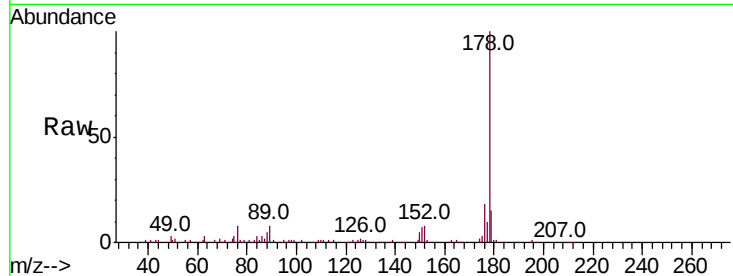
ClientSampleId :

OR-02-042919-A

Tot Ion:	178	Resp:	103041
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.7	23.5
179	15.3	13.0	19.4

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#75

Fluoranthene

Concen: 20.123 ng

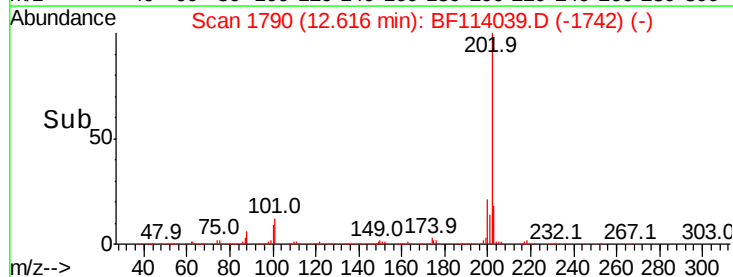
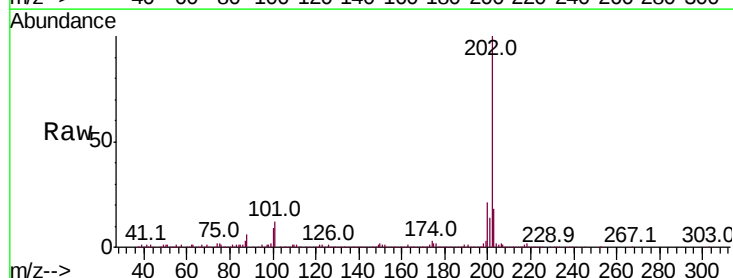
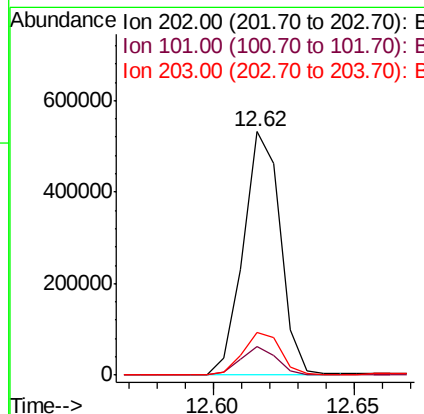
RT: 12.62 min Scan# 1790

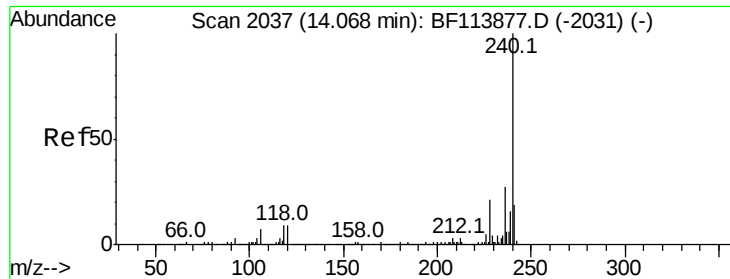
Delta R.T. -0.02 min

Lab File: BF114039.D

Acq: 30 Apr 2019 13:59

Tgt Ion:	202	Resp:	483572
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	32.9
203	17.7	0.0	38.2





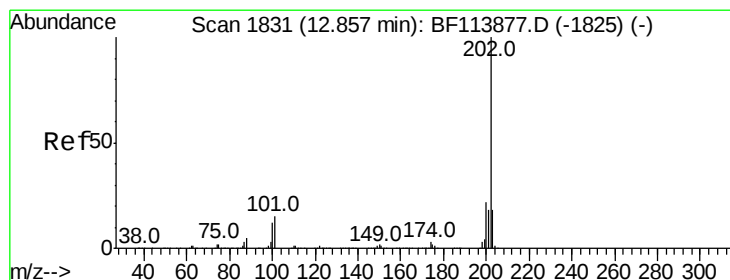
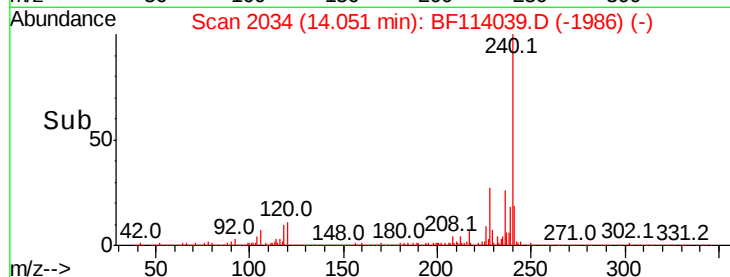
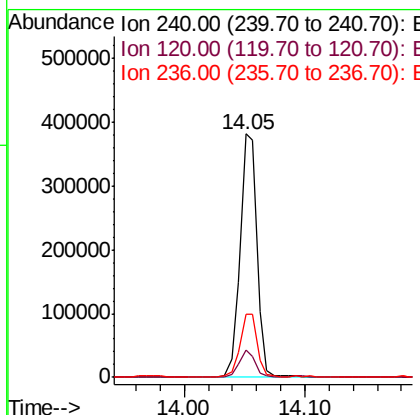
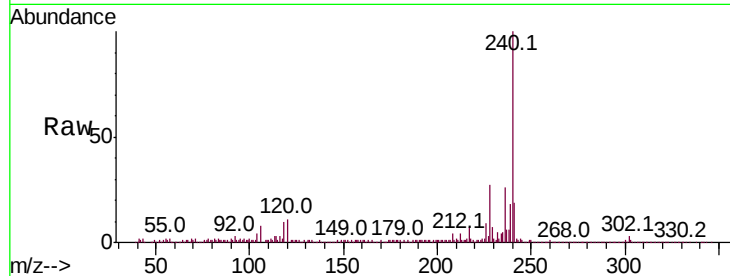
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF114039.D
 Acq: 30 Apr 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042919-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.3	13.9
236	25.9	21.2	31.8

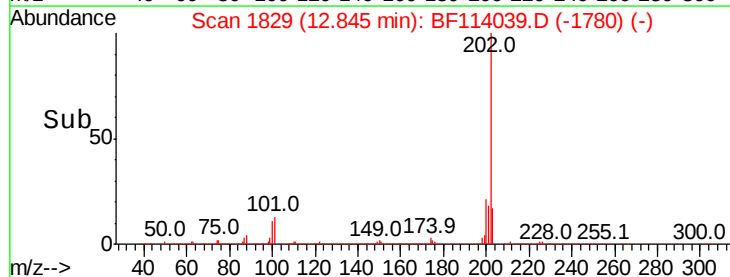
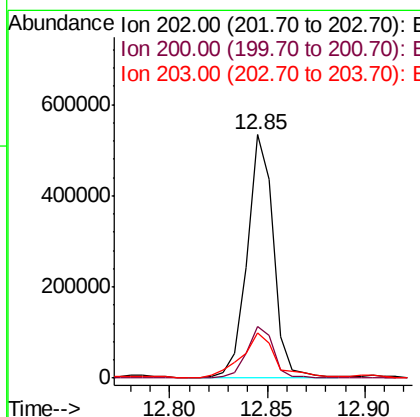
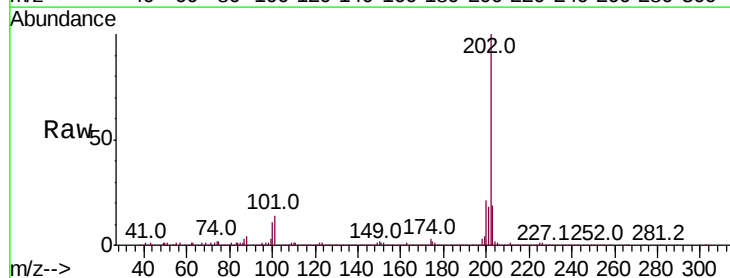
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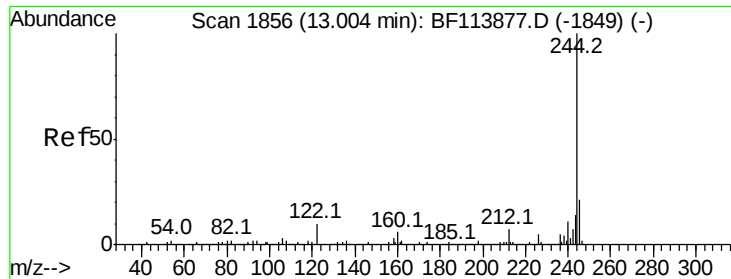
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#78
 Pyrene
 Concen: 19.038 ng
 RT: 12.85 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF114039.D
 Acq: 30 Apr 2019 13:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.7	26.5
203	18.6	15.0	22.6





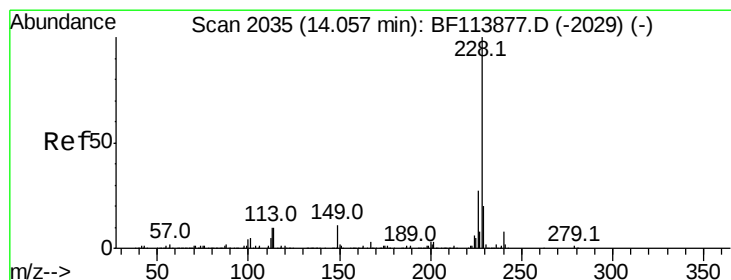
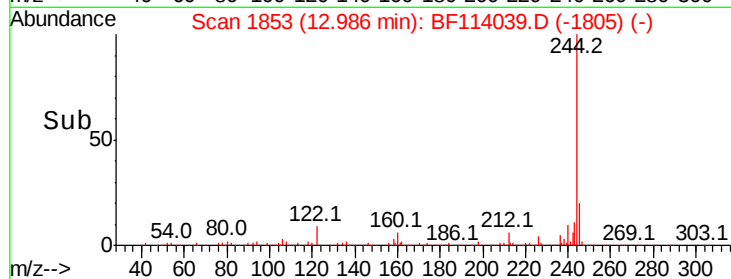
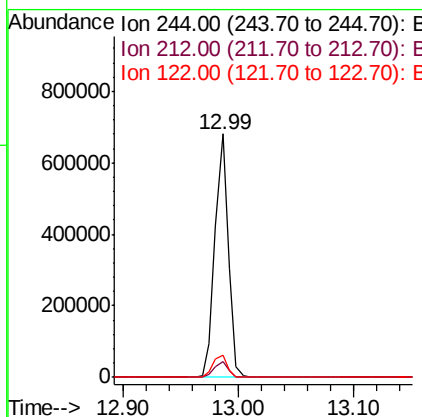
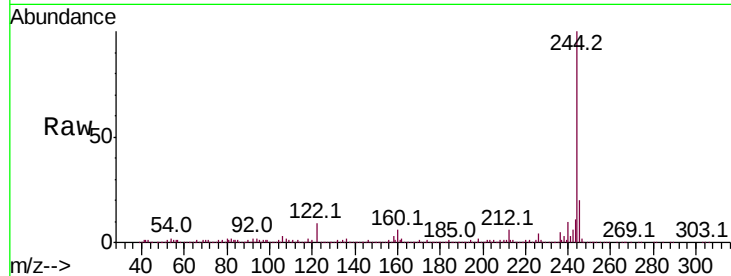
#79
 Terphenyl-d14
 Concen: 30.346 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.02 min
 Lab File: BF114039.D
 Acq: 30 Apr 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042919-A

Tot Ion:	244	Resp:	549821
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.2
122	9.2	7.6	11.4

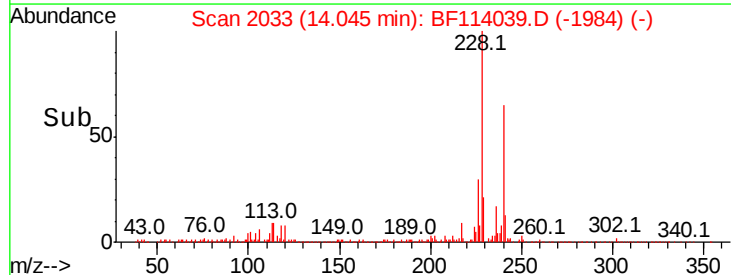
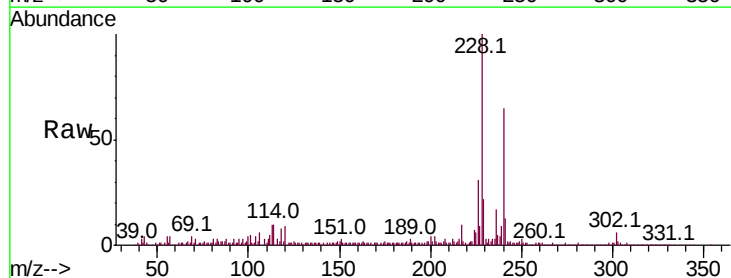
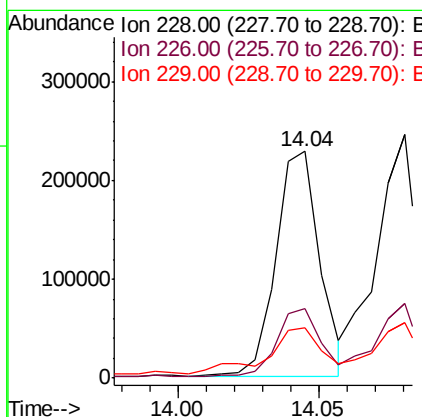
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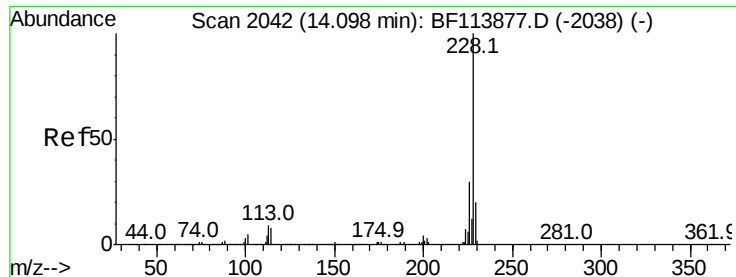
Sohil
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#81
 Benzo(a)anthracene
 Concen: 11.153 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF114039.D
 Acq: 30 Apr 2019 13:59

Tgt Ion:	228	Resp:	244081
Ion Ratio	Lower	Upper	
228	100		
226	30.7	22.2	33.2
229	22.0	16.0	24.0





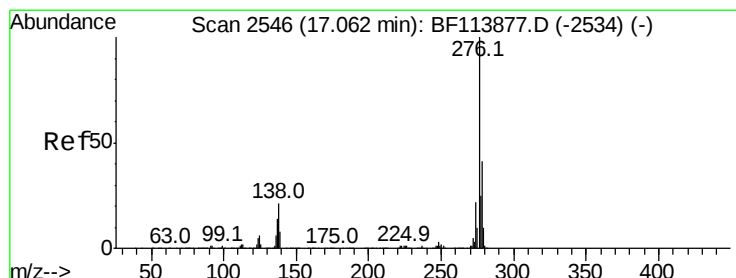
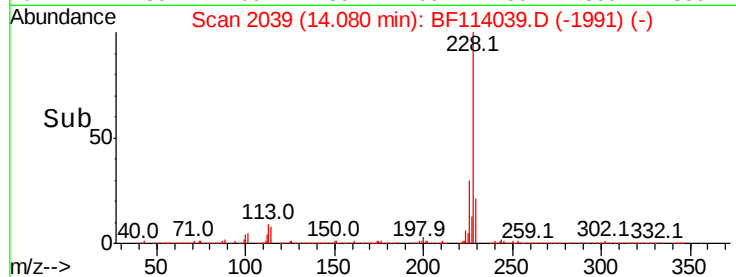
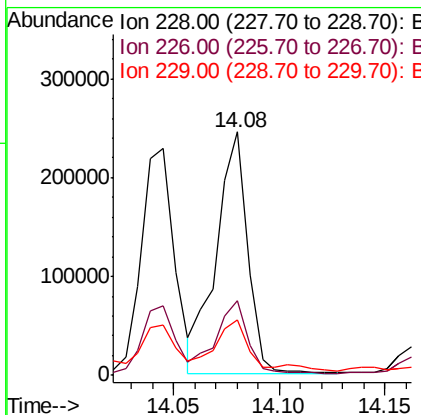
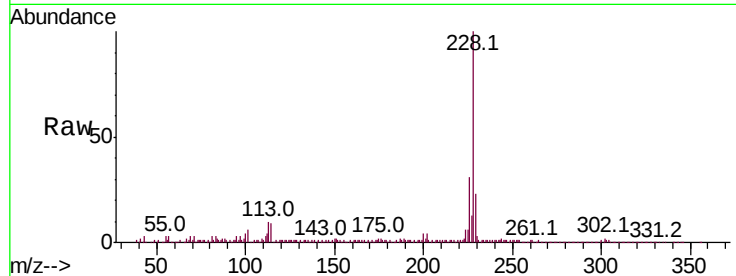
#83
Chrysene
Concen: 11.757 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.02 min
Lab File: BF114039.D
Acq: 30 Apr 2019 13:59

Instrument :
BNA_F
ClientSampleId :
OR-02-042919-A

Tot Ion:	228	Resp:	250604
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.2	37.8
229	22.9	16.7	25.1

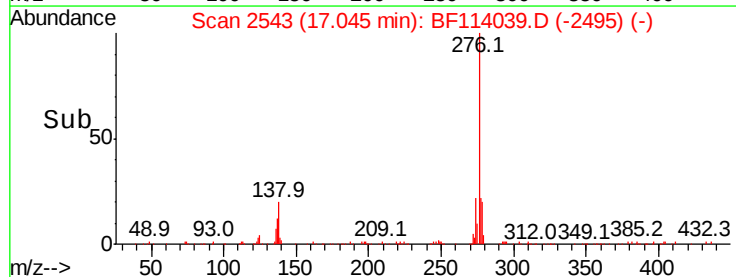
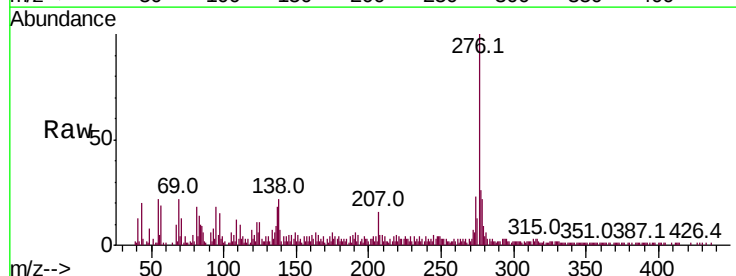
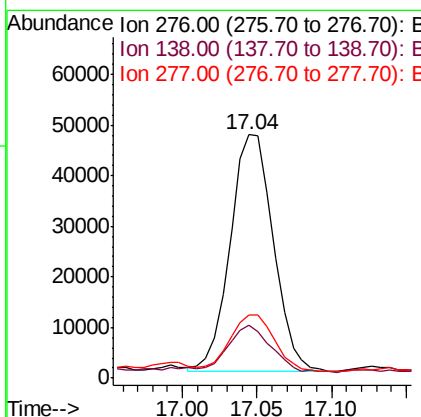
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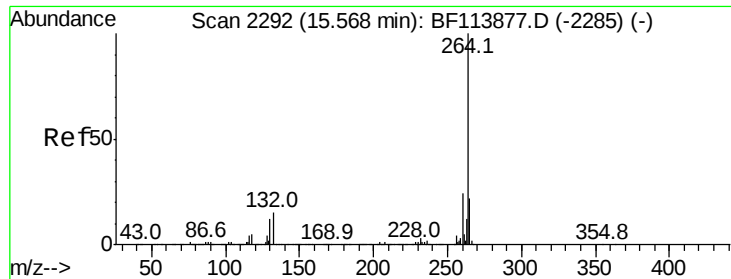
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.668 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.02 min
Lab File: BF114039.D
Acq: 30 Apr 2019 13:59

Tgt Ion:	276	Resp:	94247
Ion Ratio	Lower	Upper	
276	100		
138	20.8	19.6	29.4
277	25.0	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF114039.D

Acq: 30 Apr 2019 13:59

Instrument :

BNA_F

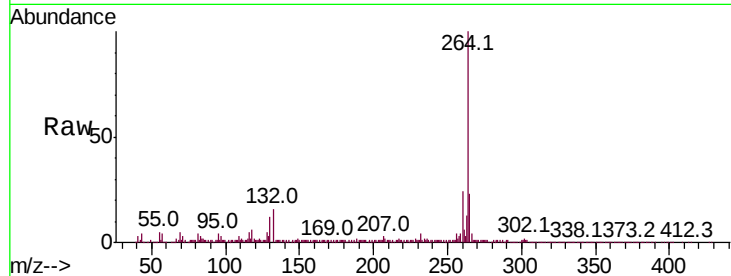
ClientSampleId :

OR-02-042919-A

Tot Ion:	264	Resp:	381239
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.9	28.3
265	22.5	17.3	25.9

Manual Integrations
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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

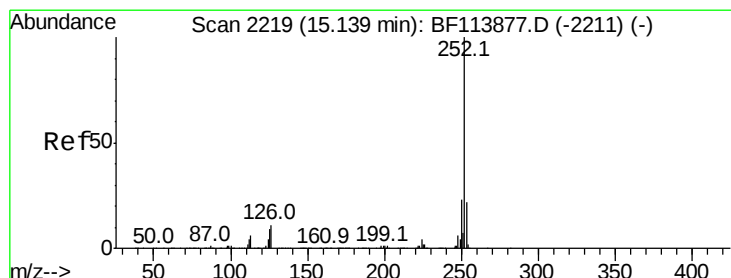
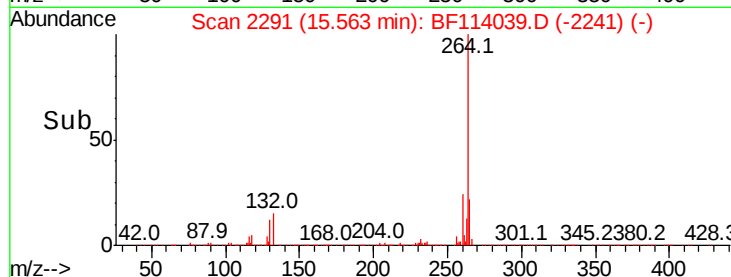
15.56

300000

200000

100000

Time-->



#88

Benzo(b)fluoranthene

Concen: 11.655 ng m

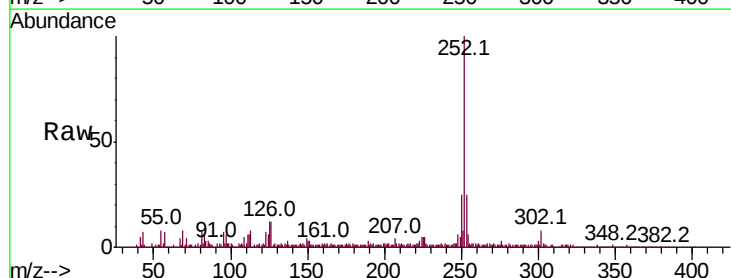
RT: 15.13 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF114039.D

Acq: 30 Apr 2019 13:59

Tgt Ion:	252	Resp:	281135
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.8	26.6
125	11.8	7.0	10.6#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

15.13

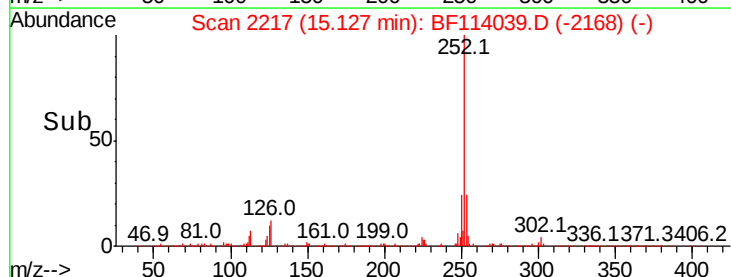
200000

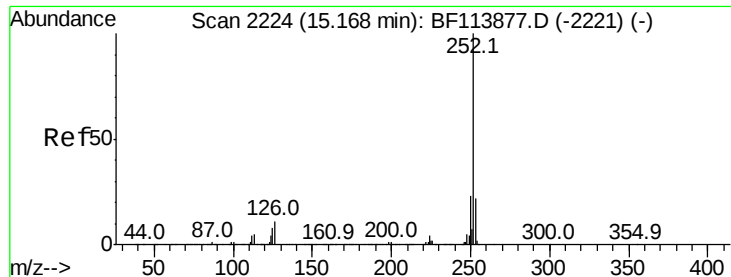
150000

100000

50000

Time-->





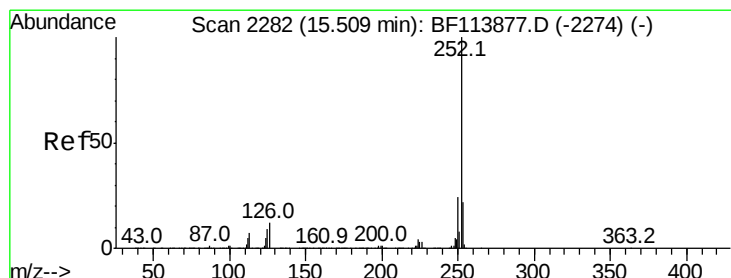
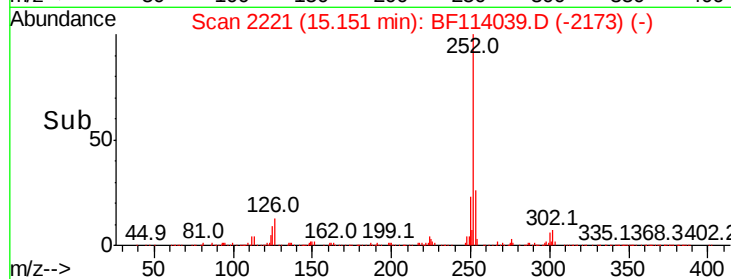
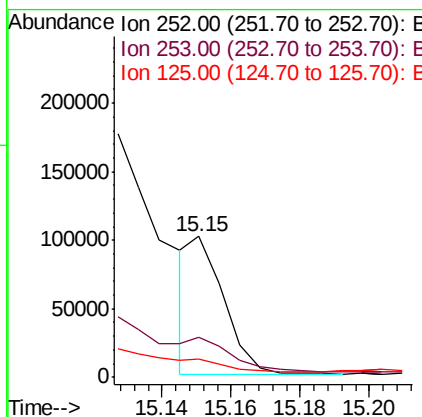
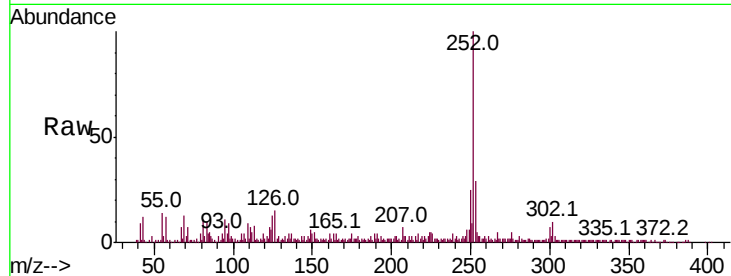
#89
Benzo(k)fluoranthene
Concen: 3.342 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF114039.D
Acq: 30 Apr 2019 13:59

Instrument :
BNA_F
ClientSampleId :
OR-02-042919-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.5	18.2	27.2#
125	13.3	7.4	11.2#

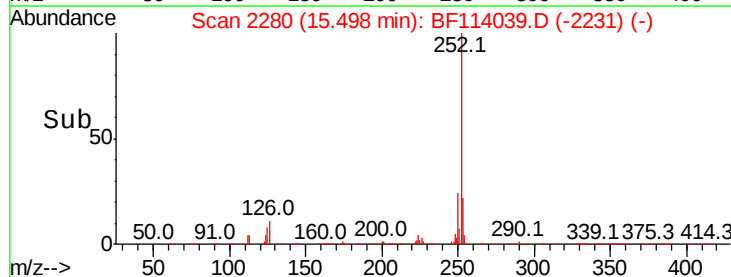
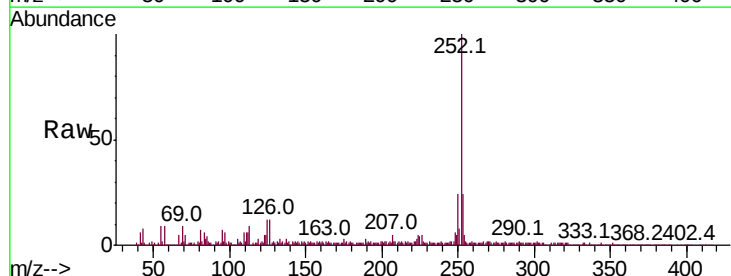
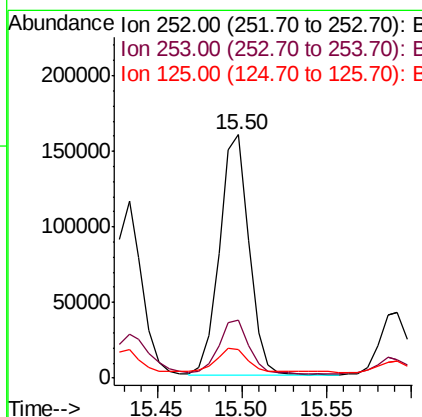
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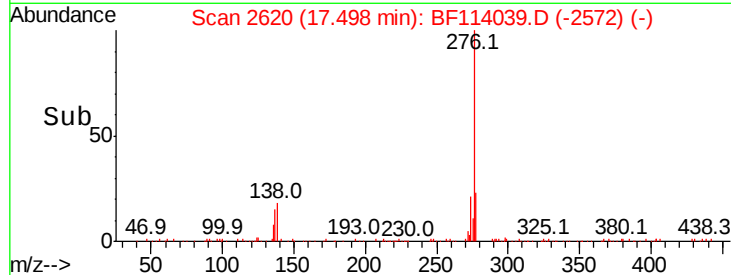
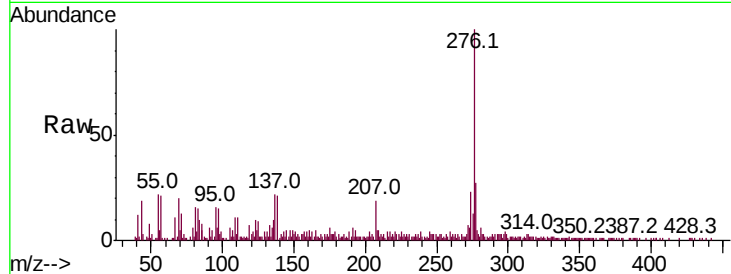
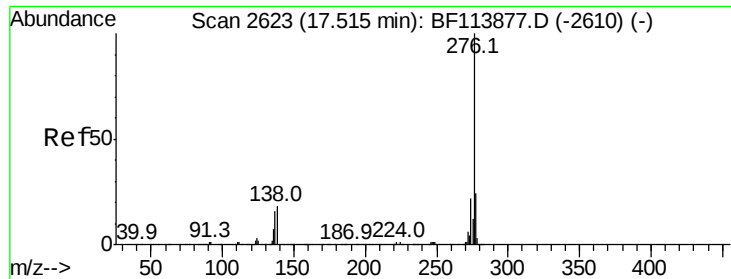
Sohil
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#90
Benzo(a)pyrene
Concen: 9.283 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF114039.D
Acq: 30 Apr 2019 13:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	11.7	8.5	12.7





#92
 Benzo(a,h,i)perylene
 Concen: 4.542 ng
 RT: 17.50 min Scan# 2620
 Delta R.T. -0.02 min
 Lab File: BF114039.D
 Acq: 30 Apr 2019 13:59

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-042919-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.0	28.4
138	21.4	16.6	25.0

Manual Integrations
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