

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
 Data File : BF113806.D
 Acq On : 16 Apr 2019 21:18
 Operator : JU/SJ
 Sample : K2203-09 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-041519-A

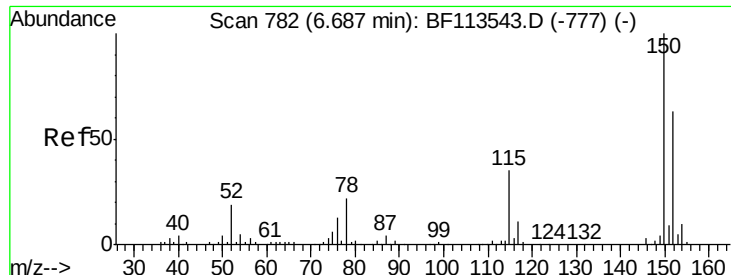
Manual Integrations
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Quant Time: Apr 17 04:38:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	59767	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	214886	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	88153	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	162422	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	168321	20.00	ng	-0.02
87) Perylene-d12	15.24	264	155388	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	339999	97.01	ng	0.00
7) Phenol-d6	6.33	99	455777	105.51	ng	0.00
23) Nitrobenzene-d5	7.24	82	248153	67.64	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	93460	88.26	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	467665	85.41	ng	-0.02
79) Terphenyl-d14	12.76	244	454370	54.96	ng	-0.03
Target Compounds						
50) Dimethylphthalate	9.43	163	51658	7.950	ng	Qvalue 100
52) Acenaphthene	9.74	154	12501	2.438	ng	93
58) Fluorene	10.26	166	22439	3.773	ng	96
71) Phenanthrene	11.22	178	178484	22.115	ng	97
72) Anthracene	11.27	178	71077	8.656	ng	98
75) Fluoranthene	12.40	202	390270	45.126	ng	99
78) Pyrene	12.63	202	358716	28.009	ng	99
81) Benzo(a)anthracene	13.82	228	196268	20.214	ng	99
83) Chrysene	13.85	228	169801	17.251	ng	99
86) Indeno(1,2,3-cd)pyrene	16.62	276	61855	6.806	ng	93
88) Benzo(b)fluoranthene	14.84	252	198561m	20.876	ng	
89) Benzo(k)fluoranthene	14.87	252	52828m	6.188	ng	
90) Benzo(a)pyrene	15.19	252	133449	15.789	ng	99
92) Benzo(g,h,i)perylene	17.03	276	53853	6.675	ng	94

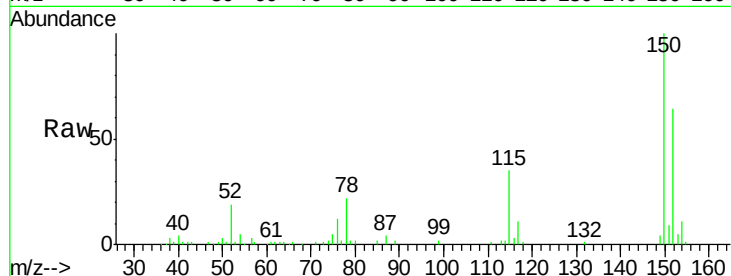
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.67 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: BF113806.D
 Acq: 16 Apr 2019 21:18

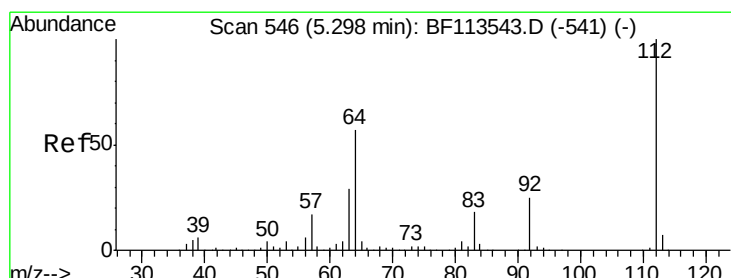
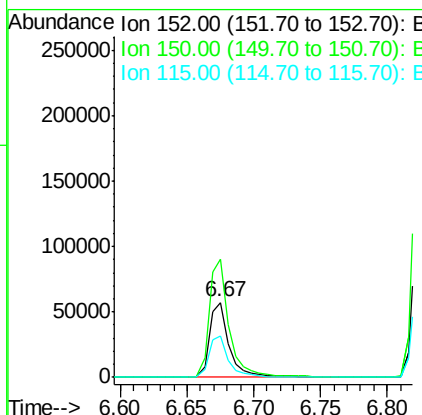
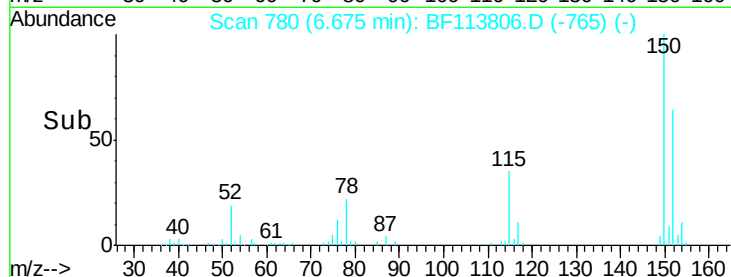
Instrument :
 BNA_F
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.7	187.1
115	54.8	46.0	69.0

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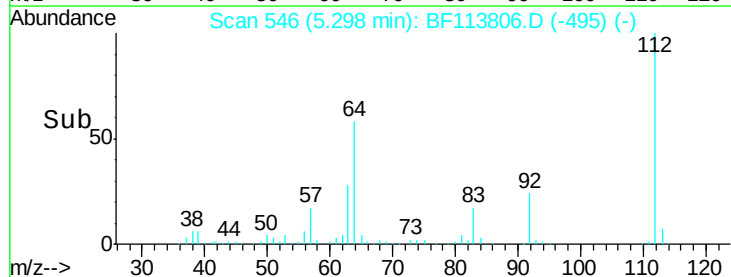
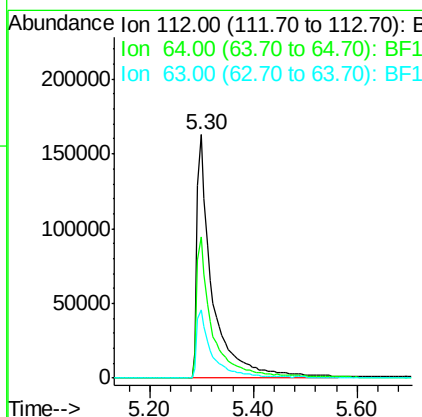
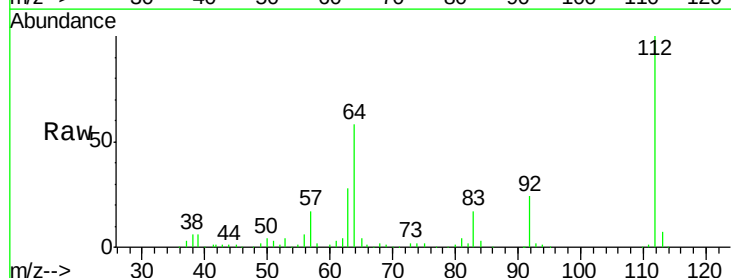
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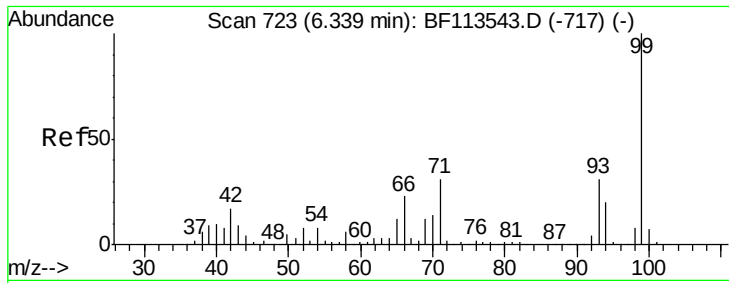


#5

2-Fluorophenol
 Concen: 97.006 ng
 RT: 5.30 min Scan# 546
 Delta R.T. 0.00 min
 Lab File: BF113806.D
 Acq: 16 Apr 2019 21:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	49.2	73.8
63	28.3	24.9	37.3





#7

Phenol-d6

Concen: 105.508 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113806.D

Acq: 16 Apr 2019 21:18

Instrument :

BNA_F

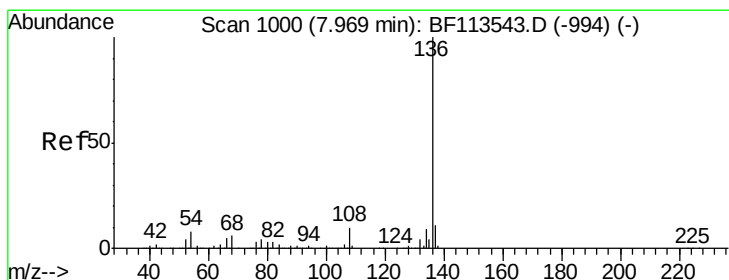
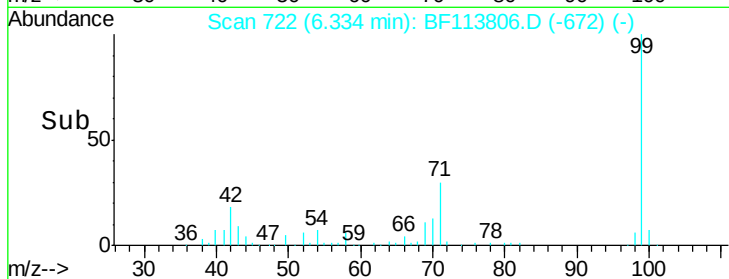
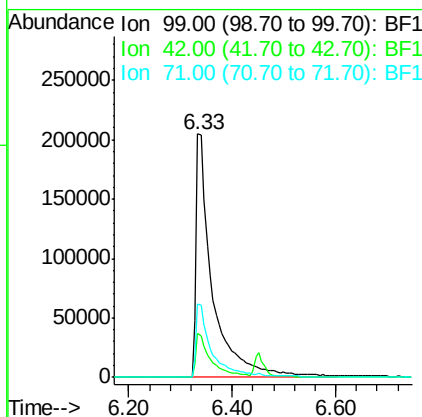
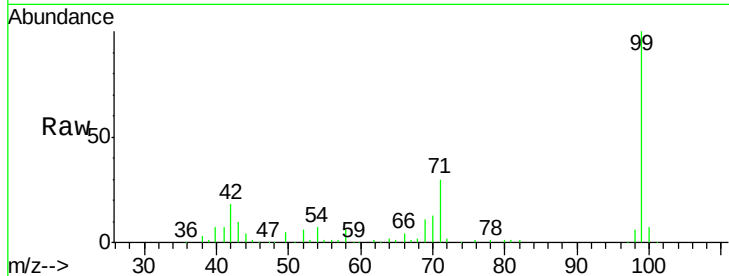
ClientSampleId :

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Tgt Ion:	99	Resp:	455777
Ion Ratio	Lower	Upper	
99	100		
42	18.0	14.8	22.2
71	30.4	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

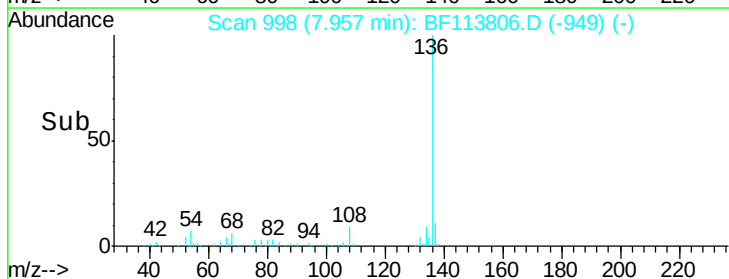
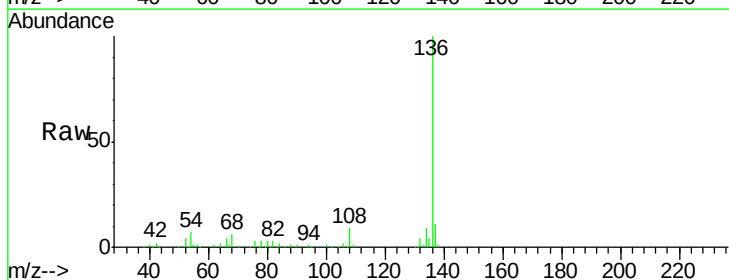
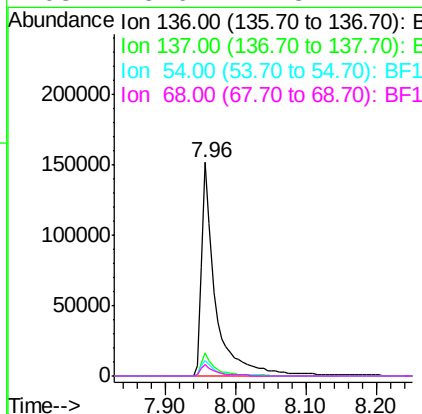
RT: 7.96 min Scan# 998

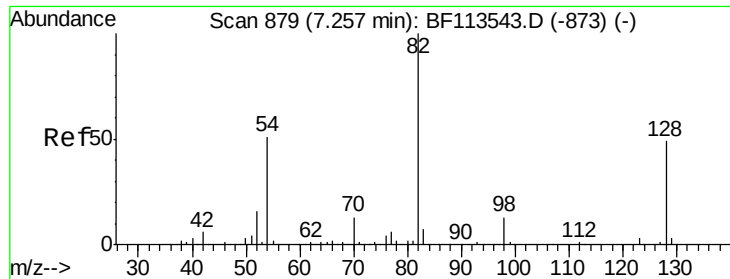
Delta R.T. -0.01 min

Lab File: BF113806.D

Acq: 16 Apr 2019 21:18

Tgt Ion:	136	Resp:	214886
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	7.5	7.0	10.6
68	5.6	4.8	7.2





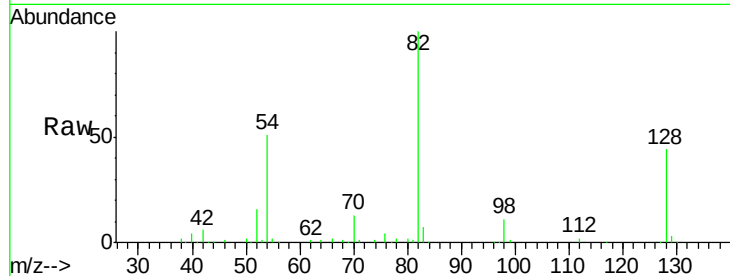
#23
 Nitrobenzene-d5
 Concen: 67.643 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.02 min
 Lab File: BF113806.D
 Acq: 16 Apr 2019 21:18

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-041519-A

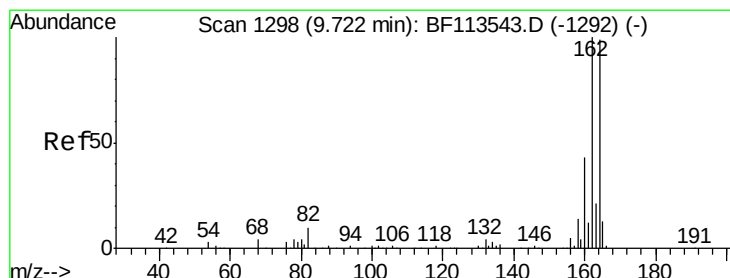
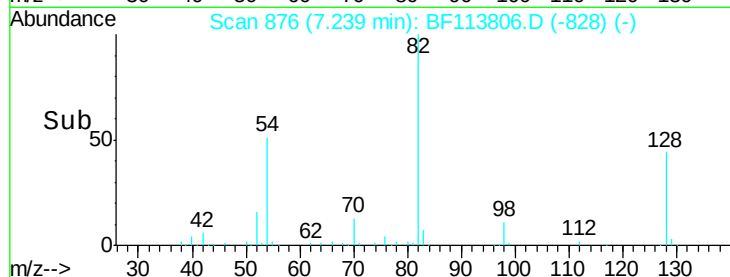
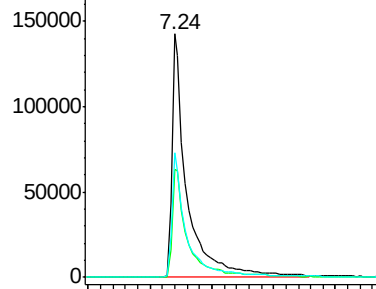
Tgt Ion: 82 Resp: 248153
 Ion Ratio Lower Upper
 82 100
 128 44.2 36.5 54.7
 54 51.2 42.2 63.2

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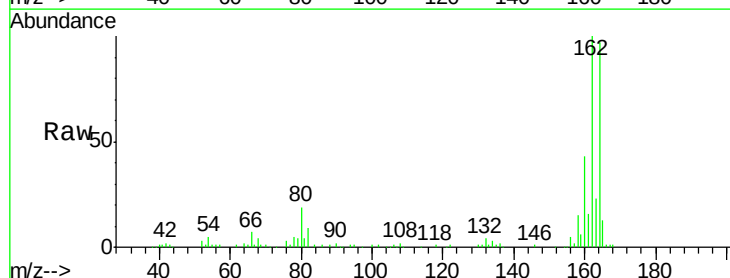


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

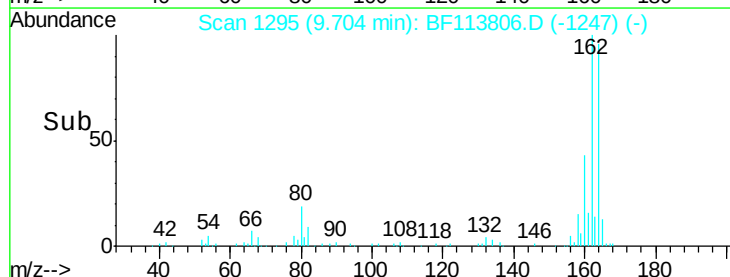
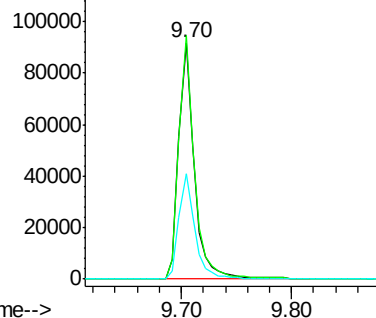


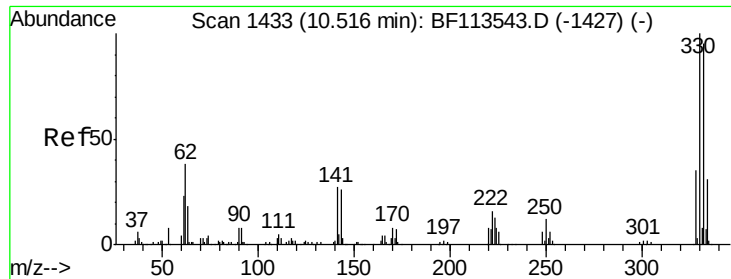
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.02 min
 Lab File: BF113806.D
 Acq: 16 Apr 2019 21:18

Tgt Ion: 164 Resp: 88153
 Ion Ratio Lower Upper
 164 100
 162 103.2 81.8 122.6
 160 44.6 36.4 54.6



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





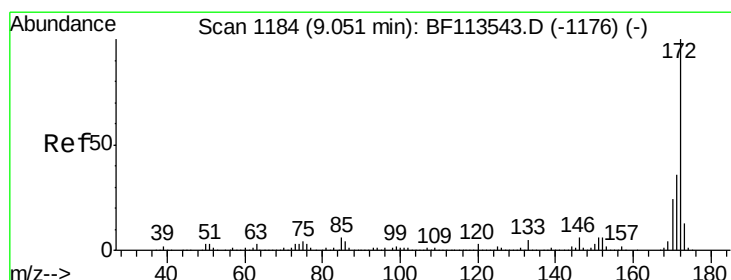
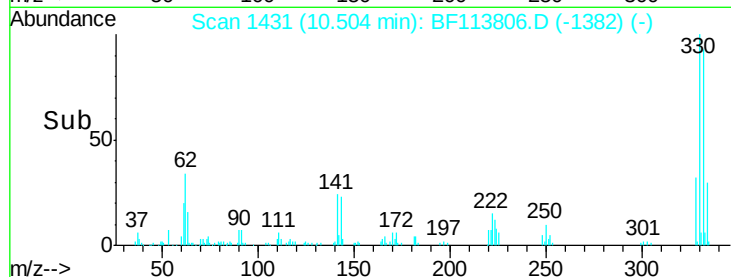
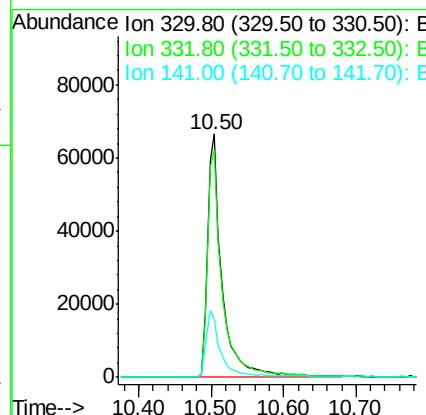
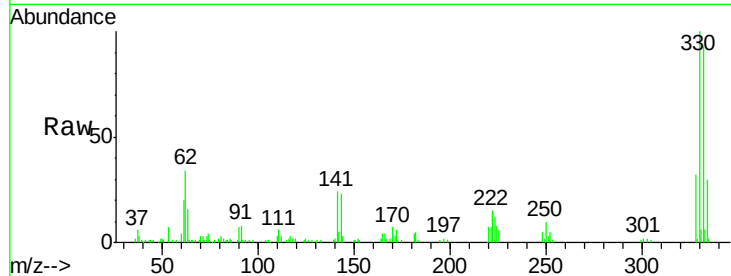
#42
 2,4,6-Tribromophenol
 Concen: 88.259 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF113806.D
 Acq: 16 Apr 2019 21:18

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-041519-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.8	116.6
141	27.4	22.7	34.1

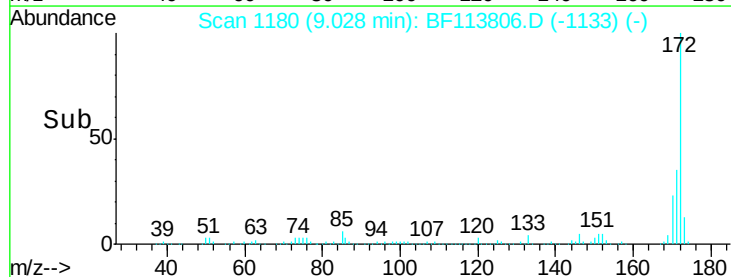
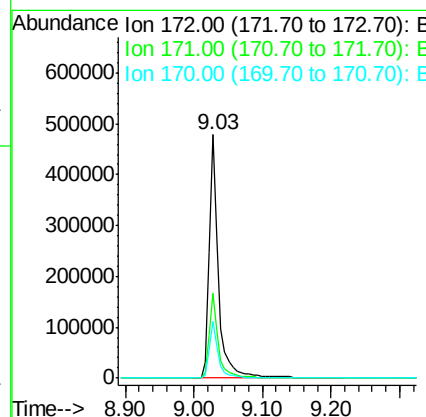
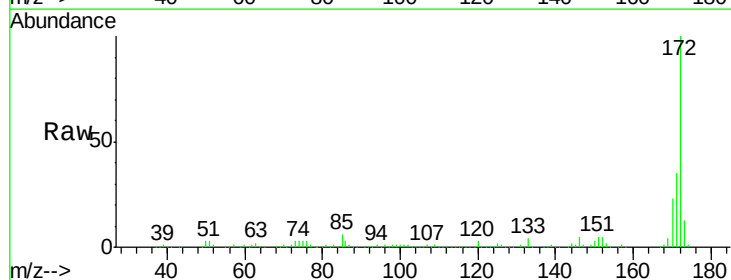
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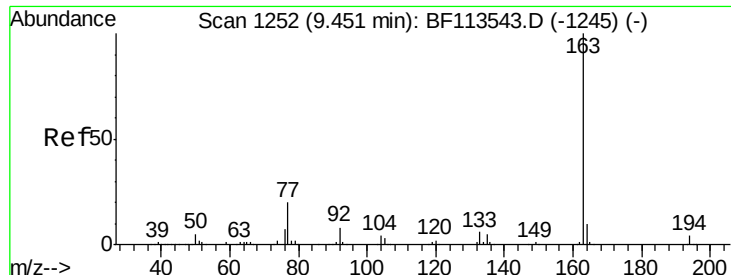
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#45
 2-Fluorobiphenyl
 Concen: 85.407 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113806.D
 Acq: 16 Apr 2019 21:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.0	43.6
170	23.2	19.5	29.3





#50

Dimethylphthalate

Concen: 7.950 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BF113806.D

Acq: 16 Apr 2019 21:18

Instrument :

BNA_F

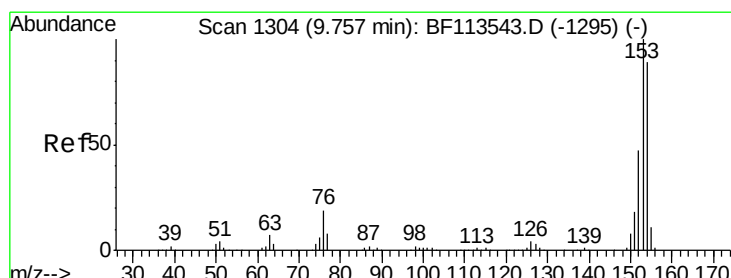
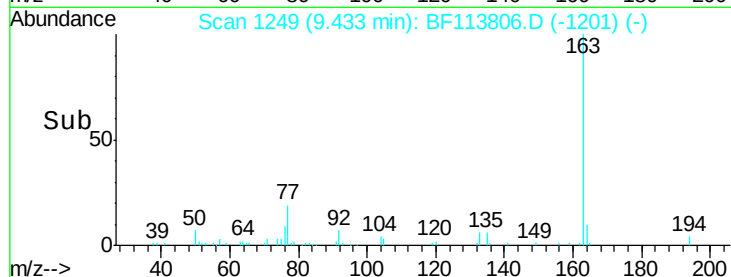
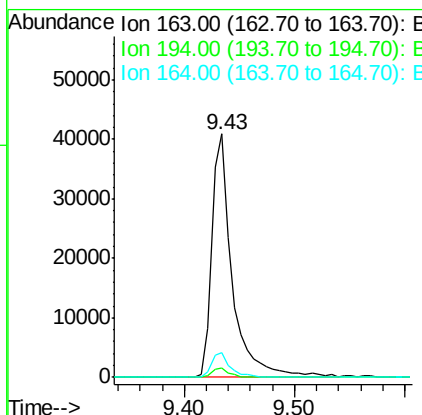
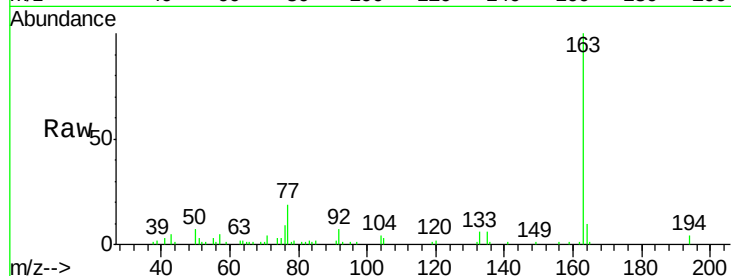
ClientSampled :

SU-01-041519-A

Tgt Ion:	163	Resp:	51658
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.0	4.6
164	10.0	8.1	12.1

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#52

Acenaphthene

Concen: 2.438 ng

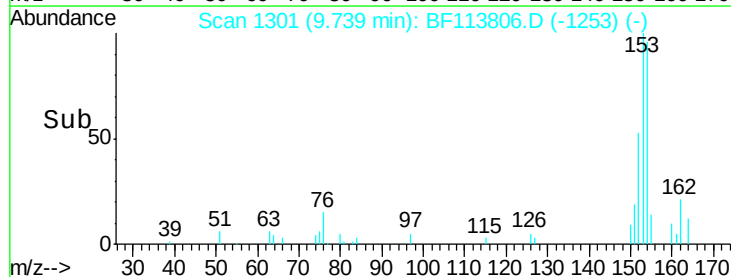
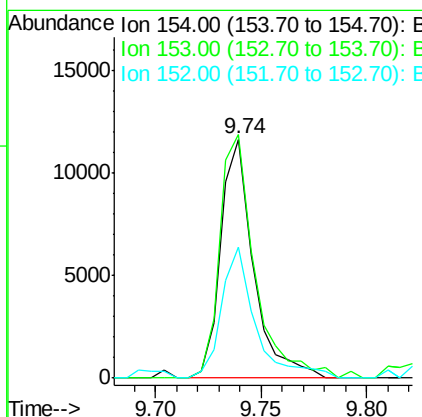
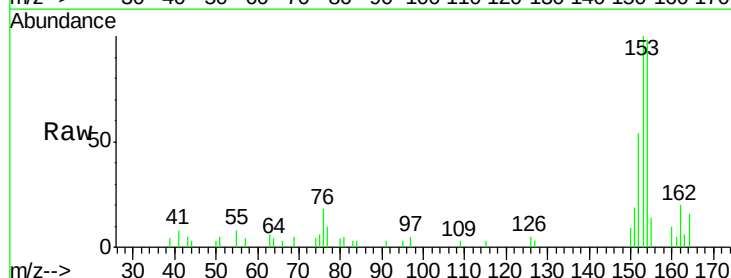
RT: 9.74 min Scan# 1301

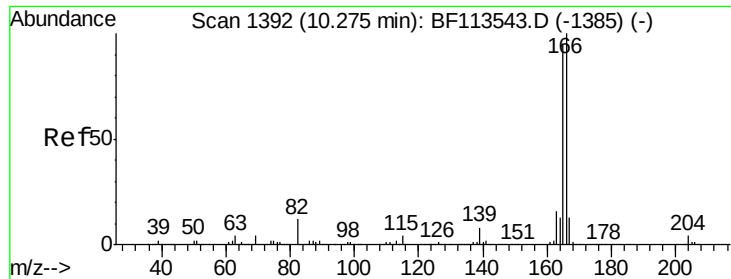
Delta R.T. -0.02 min

Lab File: BF113806.D

Acq: 16 Apr 2019 21:18

Tgt Ion:	154	Resp:	12501
Ion Ratio	Lower	Upper	
154	100		
153	101.9	89.5	134.3
152	54.7	43.3	64.9





#58

Fluorene

Concen: 3.773 ng

RT: 10.26 min Scan# 1389

Delta R.T. -0.02 min

Lab File: BF113806.D

Acq: 16 Apr 2019 21:18

Instrument :

BNA_F

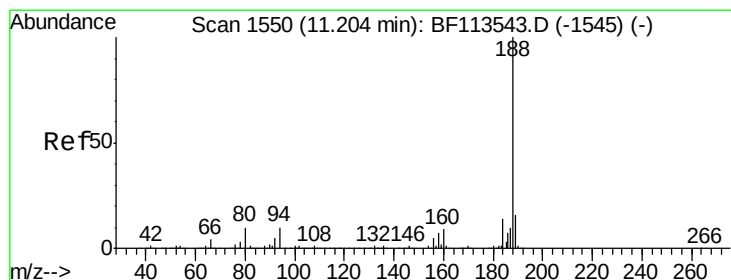
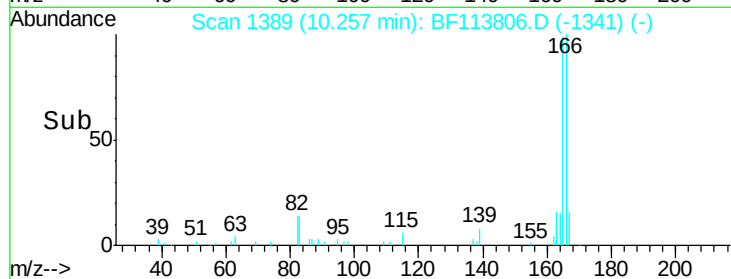
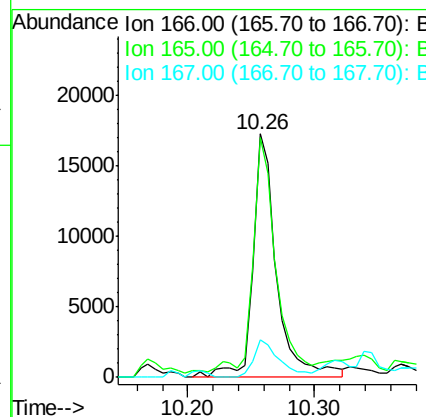
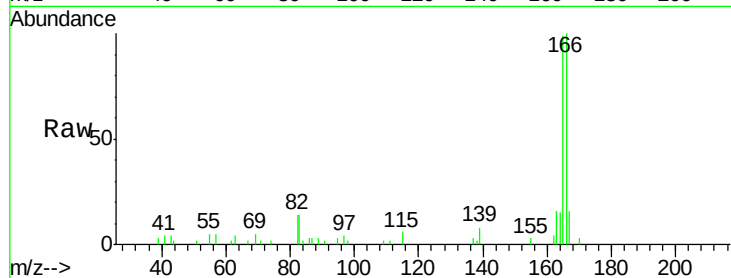
ClientSampleId :

SU-01-041519-A

Tgt Ion:	166	Resp:	22439
Ion Ratio	Lower	Upper	
166	100		
165	98.6	76.2	114.2
167	15.7	10.7	16.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

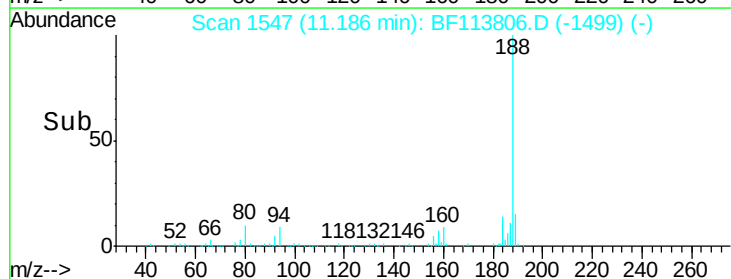
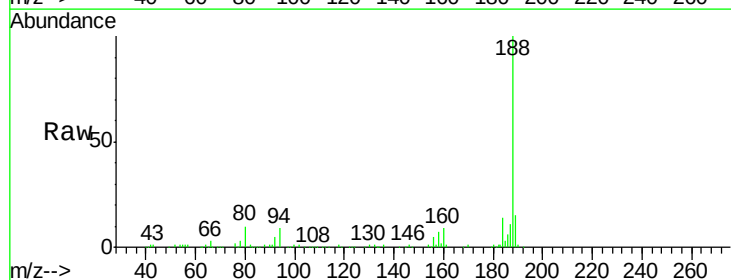
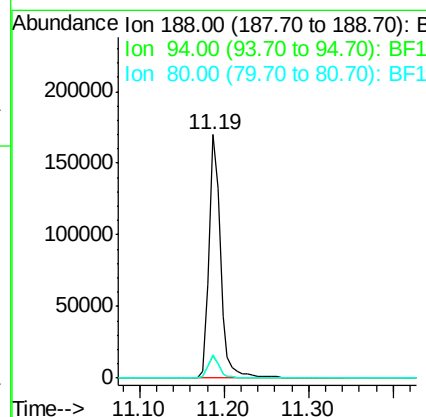
RT: 11.19 min Scan# 1547

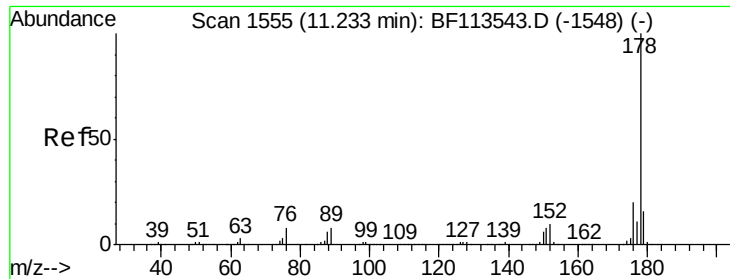
Delta R.T. -0.02 min

Lab File: BF113806.D

Acq: 16 Apr 2019 21:18

Tgt Ion:	188	Resp:	162422
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.0	10.6
80	9.8	7.7	11.5





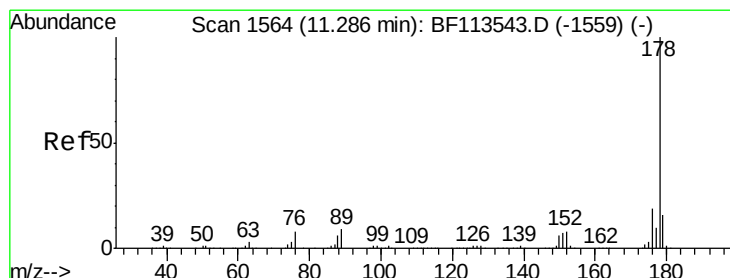
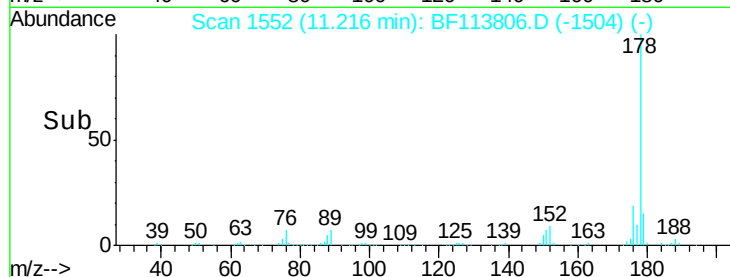
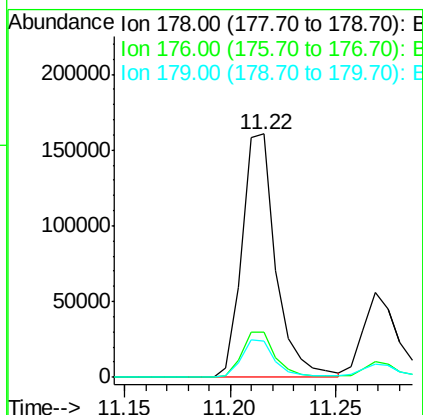
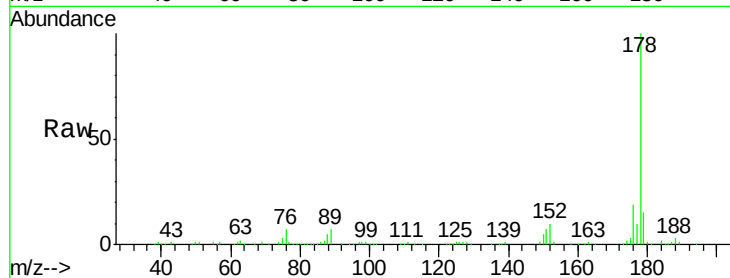
#71
 Phenanthrene
 Concen: 22.115 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.02 min
 Lab File: BF113806.D
 Acq: 16 Apr 2019 21:18

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-041519-A

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.2	24.2
179	15.2	12.7	19.1

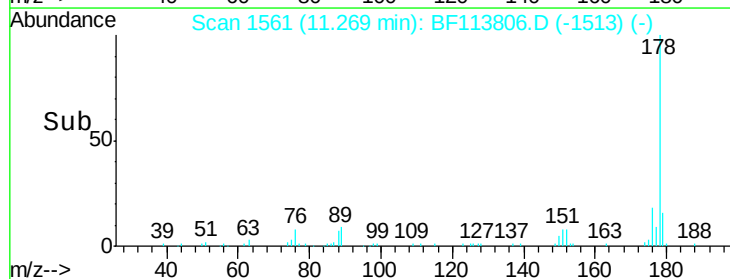
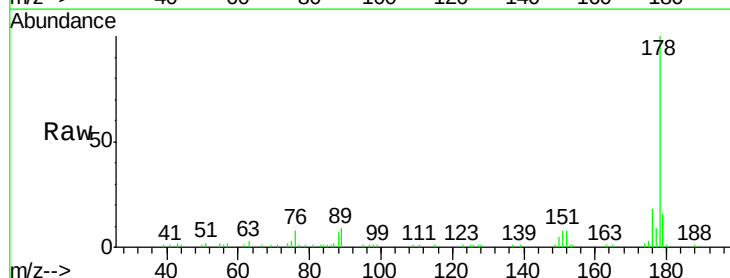
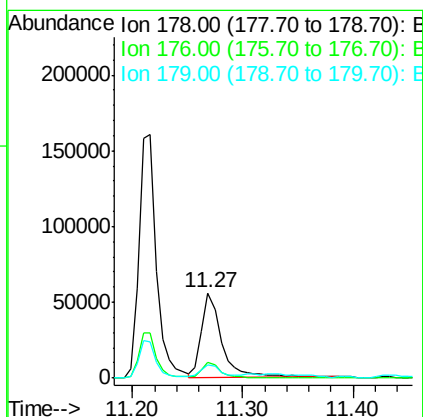
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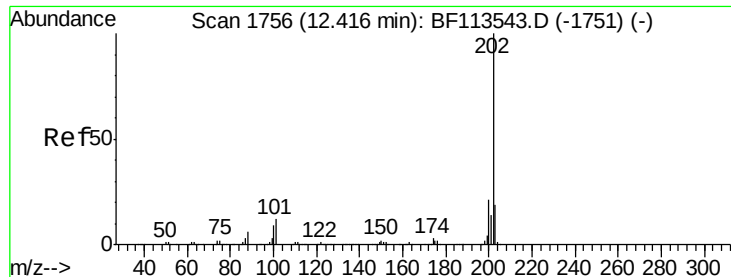
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#72
 Anthracene
 Concen: 8.656 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.02 min
 Lab File: BF113806.D
 Acq: 16 Apr 2019 21:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	16.2	12.8	19.2





#75

Fluoranthene

Concen: 45.126 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113806.D

Acq: 16 Apr 2019 21:18

Instrument :

BNA_F

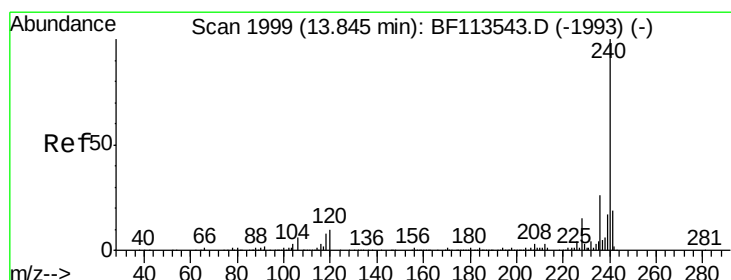
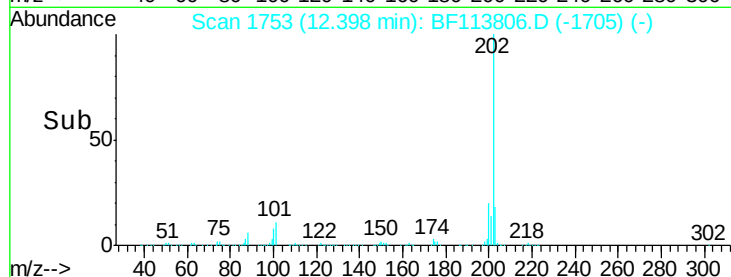
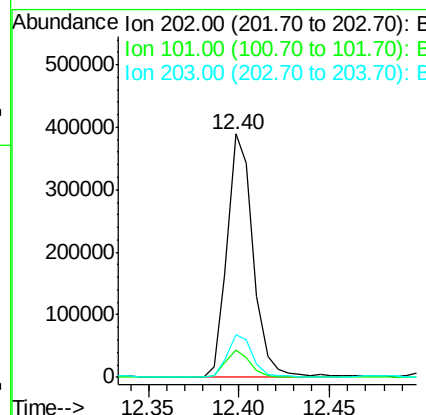
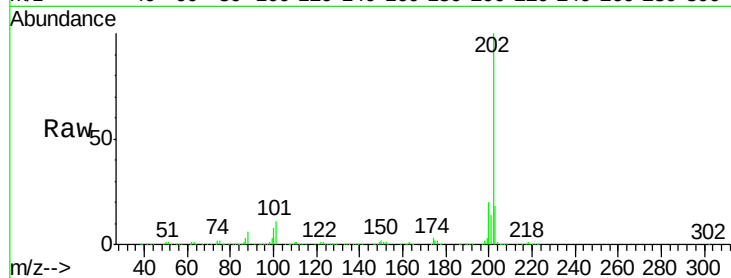
ClientSampleId :

SU-01-041519-A

Tgt Ion:	202	Resp:	390270
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	31.4
203	17.5	0.0	38.0

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4/17/2019 3:45:52 PM



#76

Chrysene-d12

Concen: 20.000 ng

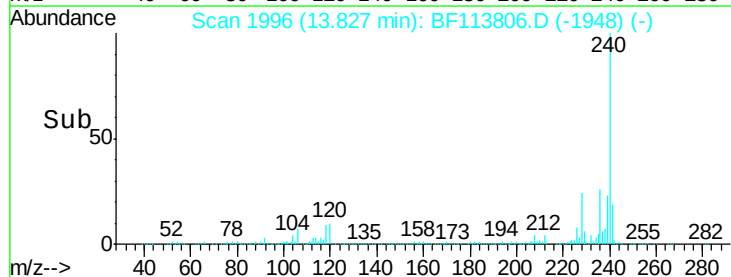
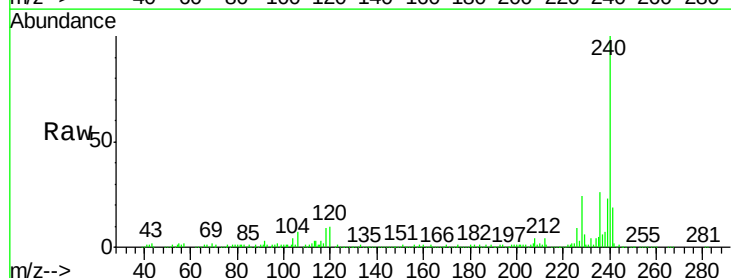
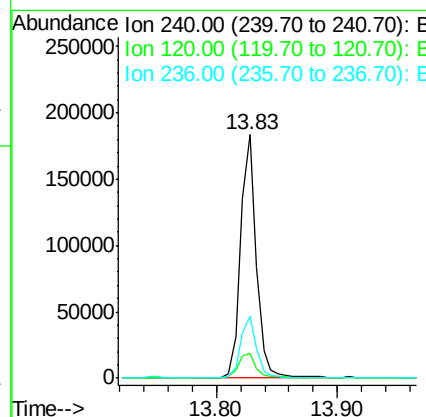
RT: 13.83 min Scan# 1996

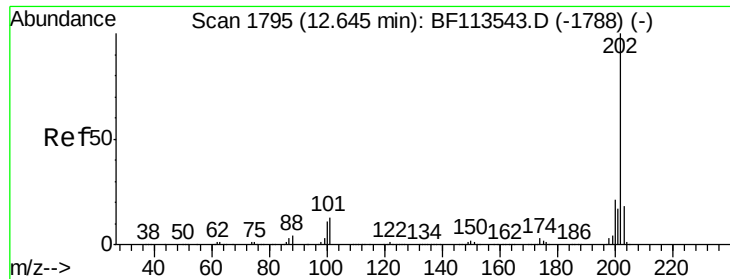
Delta R.T. -0.02 min

Lab File: BF113806.D

Acq: 16 Apr 2019 21:18

Tgt Ion:	240	Resp:	168321
Ion Ratio	Lower	Upper	
240	100		
120	10.2	8.8	13.2
236	25.6	20.9	31.3





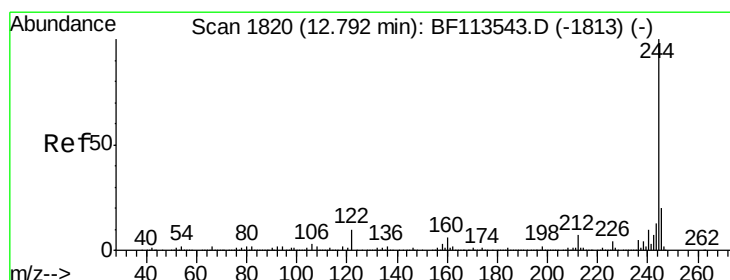
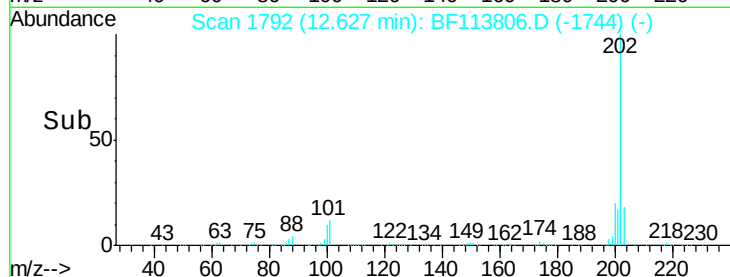
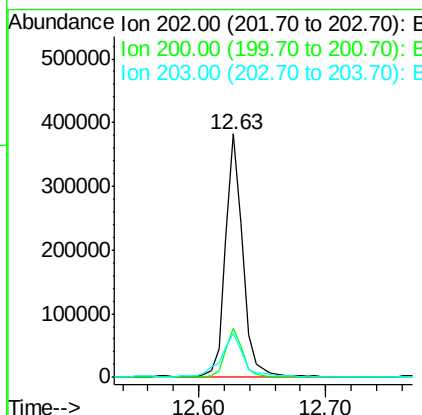
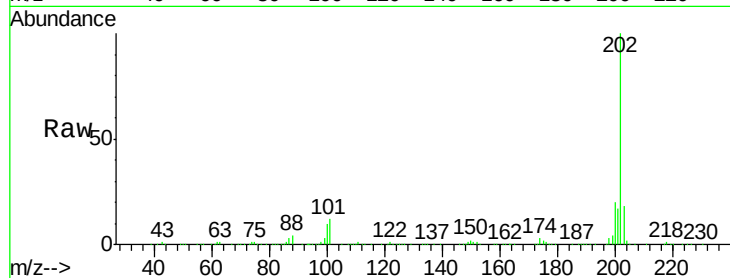
#78
 Pyrene
 Concen: 28.009 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.02 min
 Lab File: BF113806.D
 Acq: 16 Apr 2019 21:18

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-041519-A

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.2	16.8	25.2
203	18.0	14.4	21.6

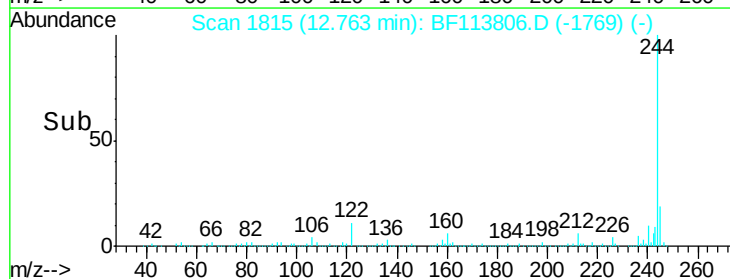
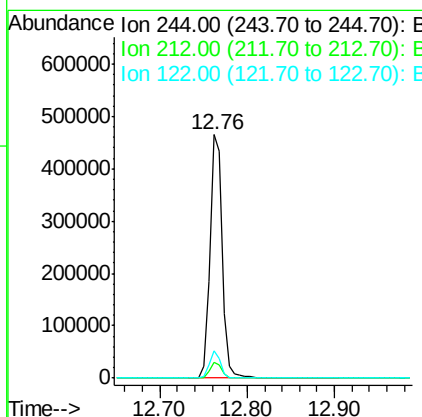
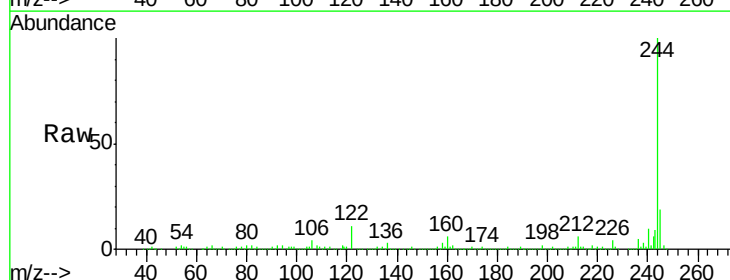
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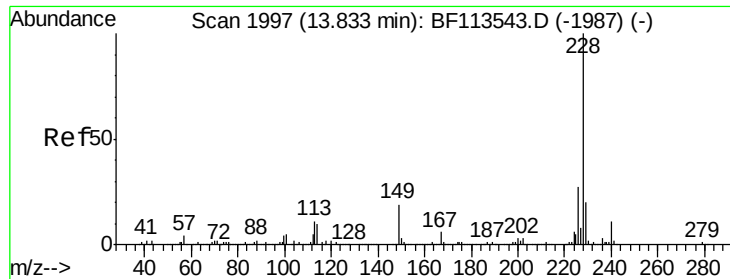
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#79
 Terphenyl-d14
 Concen: 54.961 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.03 min
 Lab File: BF113806.D
 Acq: 16 Apr 2019 21:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.5	5.5	8.3
122	11.4	8.6	13.0





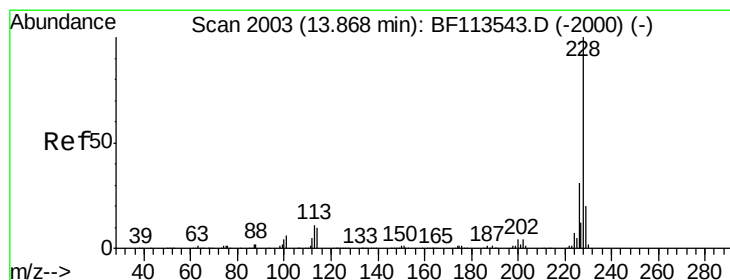
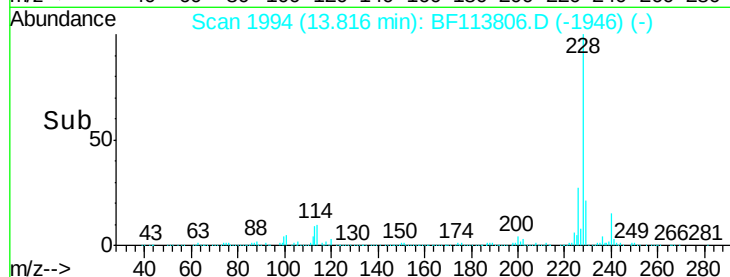
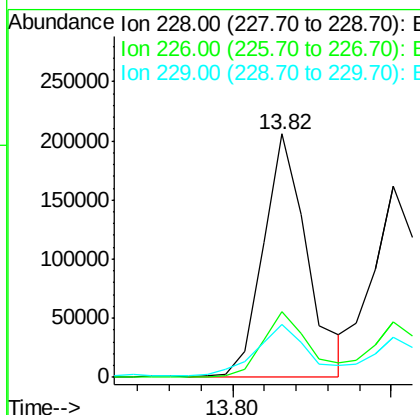
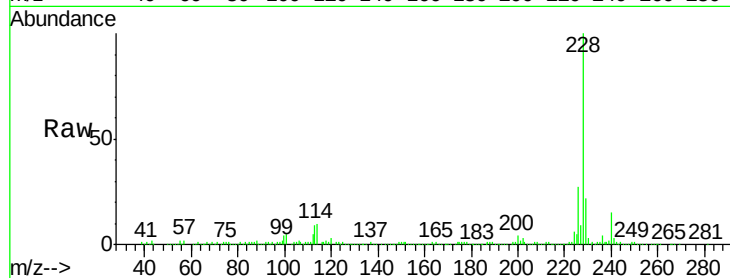
#81
Benzo(a)anthracene
Concen: 20.214 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.02 min
Lab File: BF113806.D
Acq: 16 Apr 2019 21:18

Instrument :
BNA_F
ClientSampleId :
SU-01-041519-A

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	196268		
226	27.0	21.8	32.8	
229	21.6	16.2	24.4	

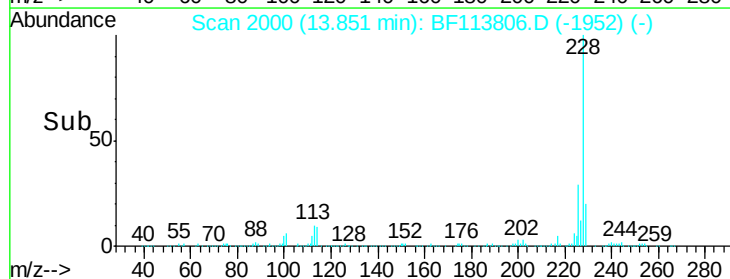
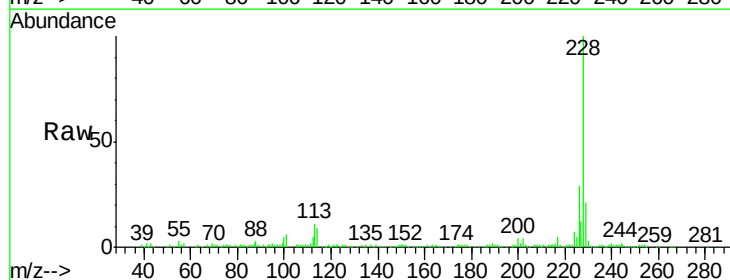
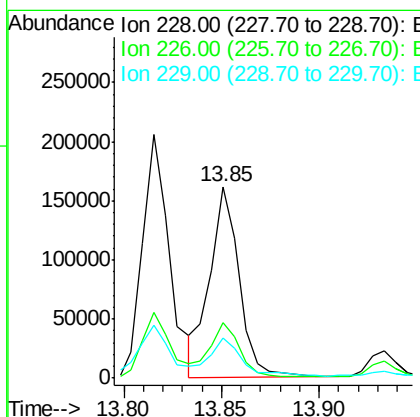
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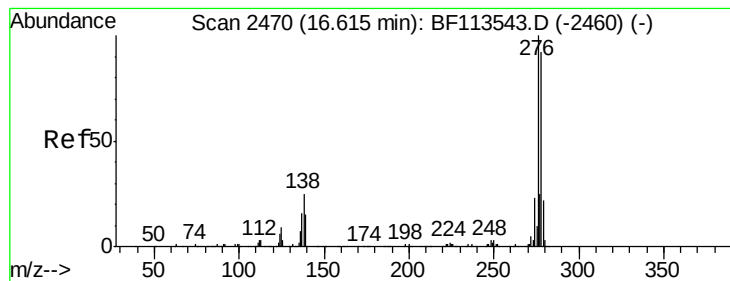
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4/17/2019 3:45:52 PM



#83
Chrysene
Concen: 17.251 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF113806.D
Acq: 16 Apr 2019 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	169801		
226	29.3	24.3	36.5	
229	20.7	16.3	24.5	





#86

Indeno(1,2,3-cd)pyrene

Concen: 6.806 ng

RT: 16.62 min Scan# 2470

Delta R.T. 0.00 min

Lab File: BF113806.D

Acq: 16 Apr 2019 21:18

Instrument :

BNA_F

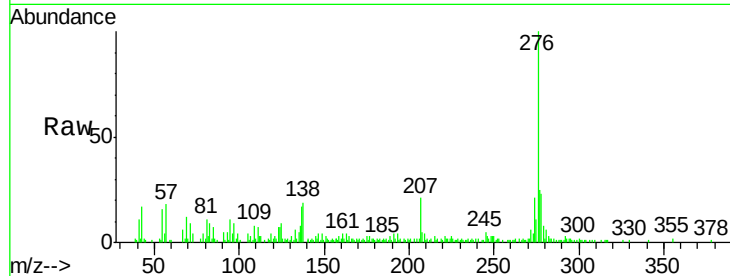
ClientSampleId :

SU-01-041519-A

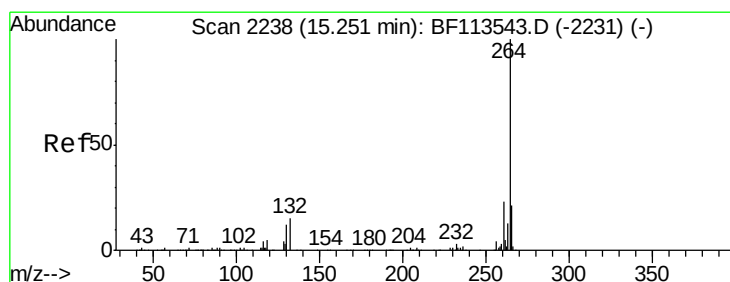
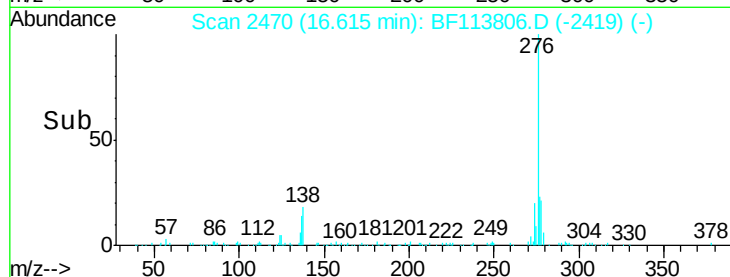
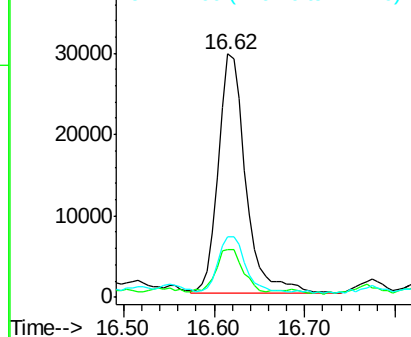
Tgt Ion:	276	Resp:	61855
Ion Ratio	Lower	Upper	
276	100		
138	18.4	18.1	27.1
277	22.6	20.2	30.4

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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



#87

Perylene-d12

Concen: 20.000 ng

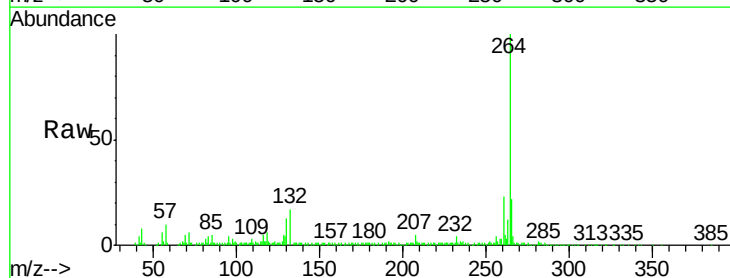
RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

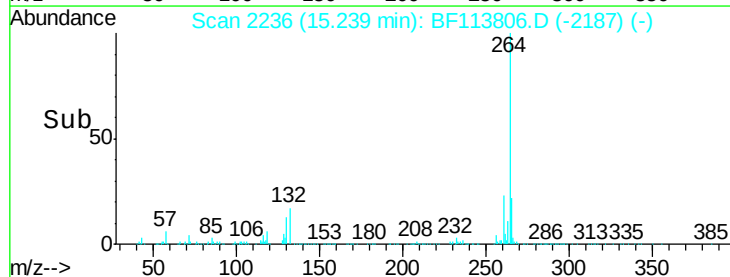
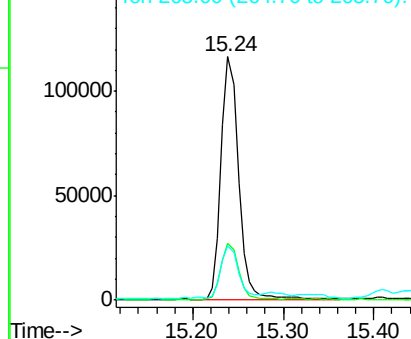
Lab File: BF113806.D

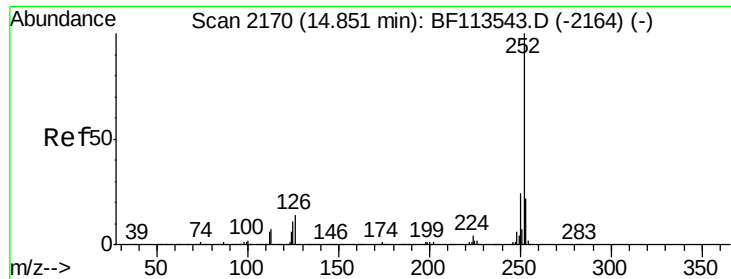
Acq: 16 Apr 2019 21:18

Tgt Ion:	264	Resp:	155388
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.1	28.7
265	22.4	17.1	25.7



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





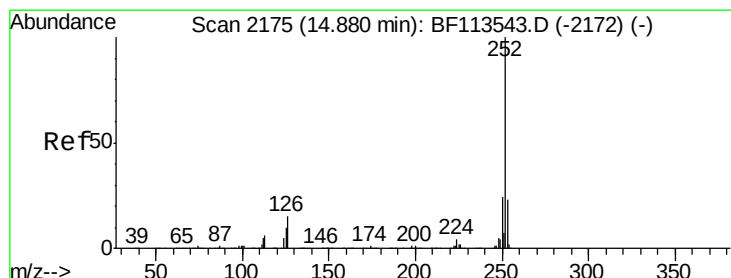
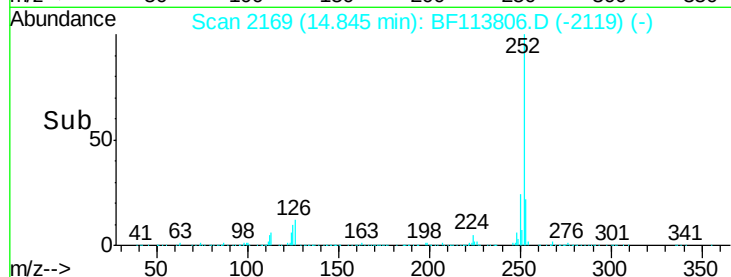
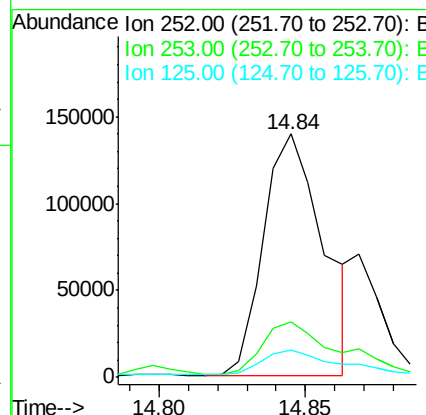
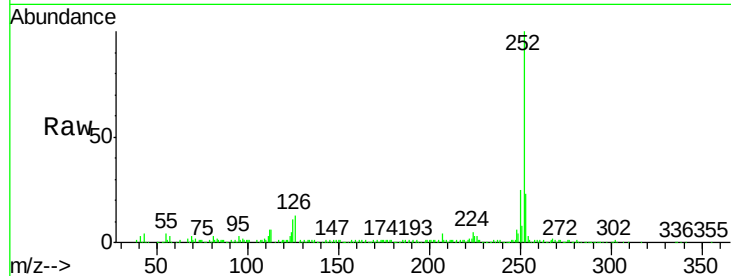
#88
Benzo(b)fluoranthene
Concen: 20.876 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113806.D
Acq: 16 Apr 2019 21:18

Instrument :
BNA_F
ClientSampleId :
SU-01-041519-A

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.0	18.0	27.0
125	11.5	7.6	11.4

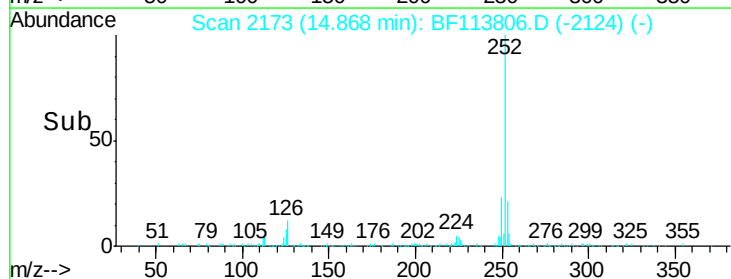
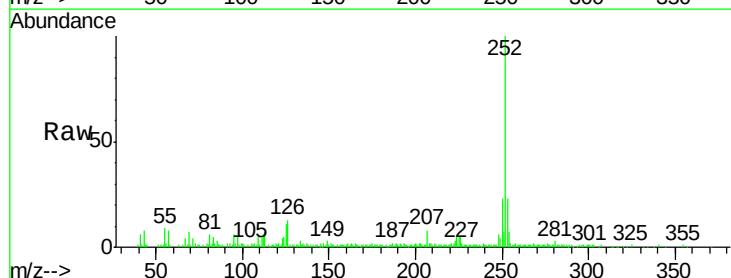
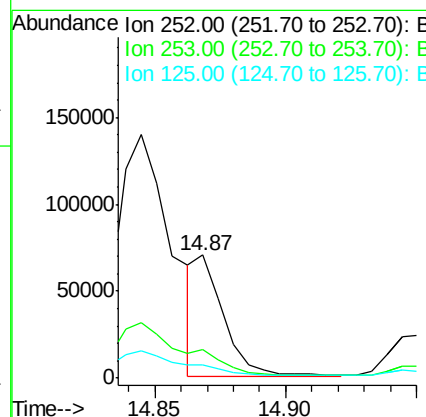
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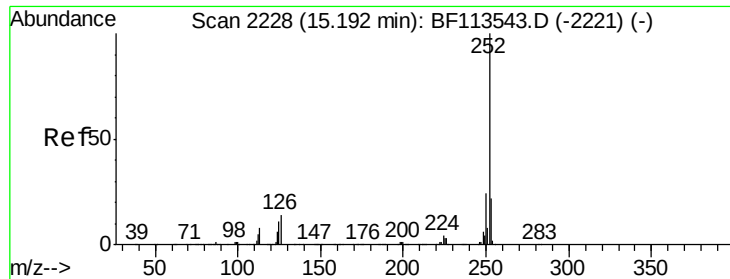
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4/17/2019 3:45:52 PM



#89
Benzo(k)fluoranthene
Concen: 6.188 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113806.D
Acq: 16 Apr 2019 21:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.0	17.7	26.5
125	11.0	7.3	10.9





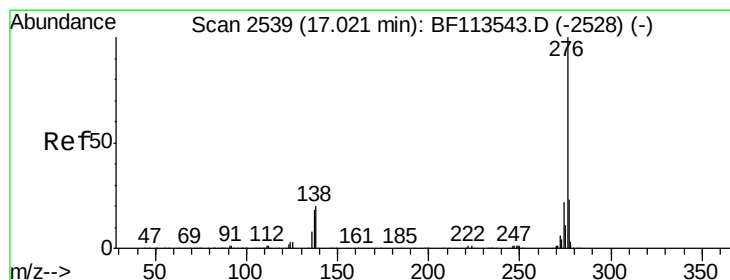
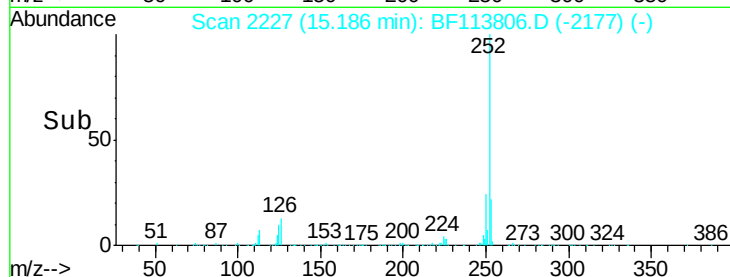
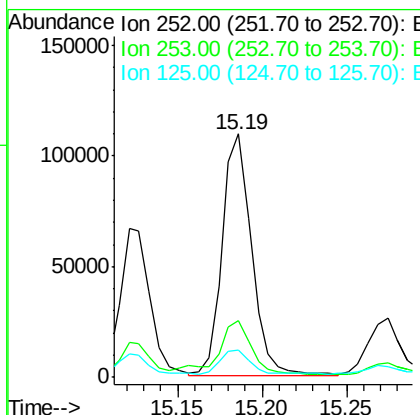
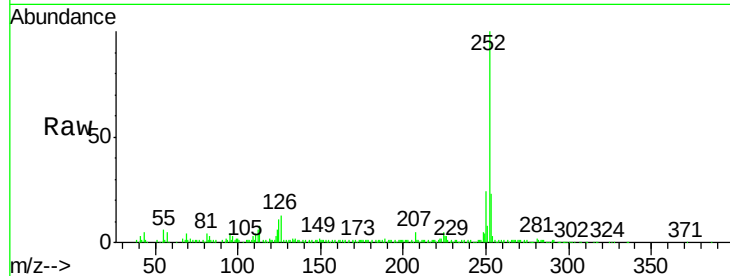
#90
Benzo(a)pyrene
Concen: 15.789 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF113806.D
Acq: 16 Apr 2019 21:18

Instrument :
BNA_F
ClientSampleId :
SU-01-041519-A

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	133449		
253	23.3	17.9	26.9	
125	11.0	8.8	13.2	

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.675 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.01 min
Lab File: BF113806.D
Acq: 16 Apr 2019 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	53853		
277	26.6	18.8	28.2	
138	21.6	15.6	23.4	

