

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
 Data File : BF119308.D
 Acq On : 10 Mar 2020 3:21
 Operator : CG/JU
 Sample : L1778-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4

Manual Integrations
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mohammad
 3/10/2020 2:44:51 PM

Quant Time: Mar 10 12:10:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	105166	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	393931	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	205006	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	334926	20.00	ng	0.00
76) Chrysene-d12	13.89	240	268419	20.00	ng	0.00
87) Perylene-d12	15.32	264	233149	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	480026	76.28	ng	0.00
7) Phenol-d6	6.38	99	589989	77.09	ng	0.00
23) Nitrobenzene-d5	7.29	82	370574	49.67	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	166556	62.11	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	699622	50.27	ng	0.00
79) Terphenyl-d14	12.82	244	651894	41.81	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.62	152	109236	5.665	ng	96
50) Dimethylphthalate	9.47	163	58914	3.758	ng	99
71) Phenanthrene	11.27	178	78396	4.292	ng	97
72) Anthracene	11.32	178	168732	9.246	ng	97
73) Carbazole	11.48	167	74635	4.591	ng	97
75) Fluoranthene	12.46	202	438130	22.598	ng	98
78) Pyrene	12.69	202	482992	22.409	ng	98
81) Benzo(a)anthracene	13.87	228	258522m	14.135	ng	
83) Chrysene	13.91	228	225824m	12.392	ng	
86) Indeno(1,2,3-cd)pyrene	16.74	276	201134	11.399	ng	94
88) Benzo(b)fluoranthene	14.92	252	664638m	43.248	ng	
89) Benzo(k)fluoranthene	14.94	252	142238m	9.987	ng	
90) Benzo(a)pyrene	15.26	252	231995	16.726	ng	97
91) Dibenzo(a,h)anthracene	16.73	278	40322	3.304	ng	# 73
92) Benzo(a,h,i)perylene	17.16	276	192954	16.002	ng	98

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

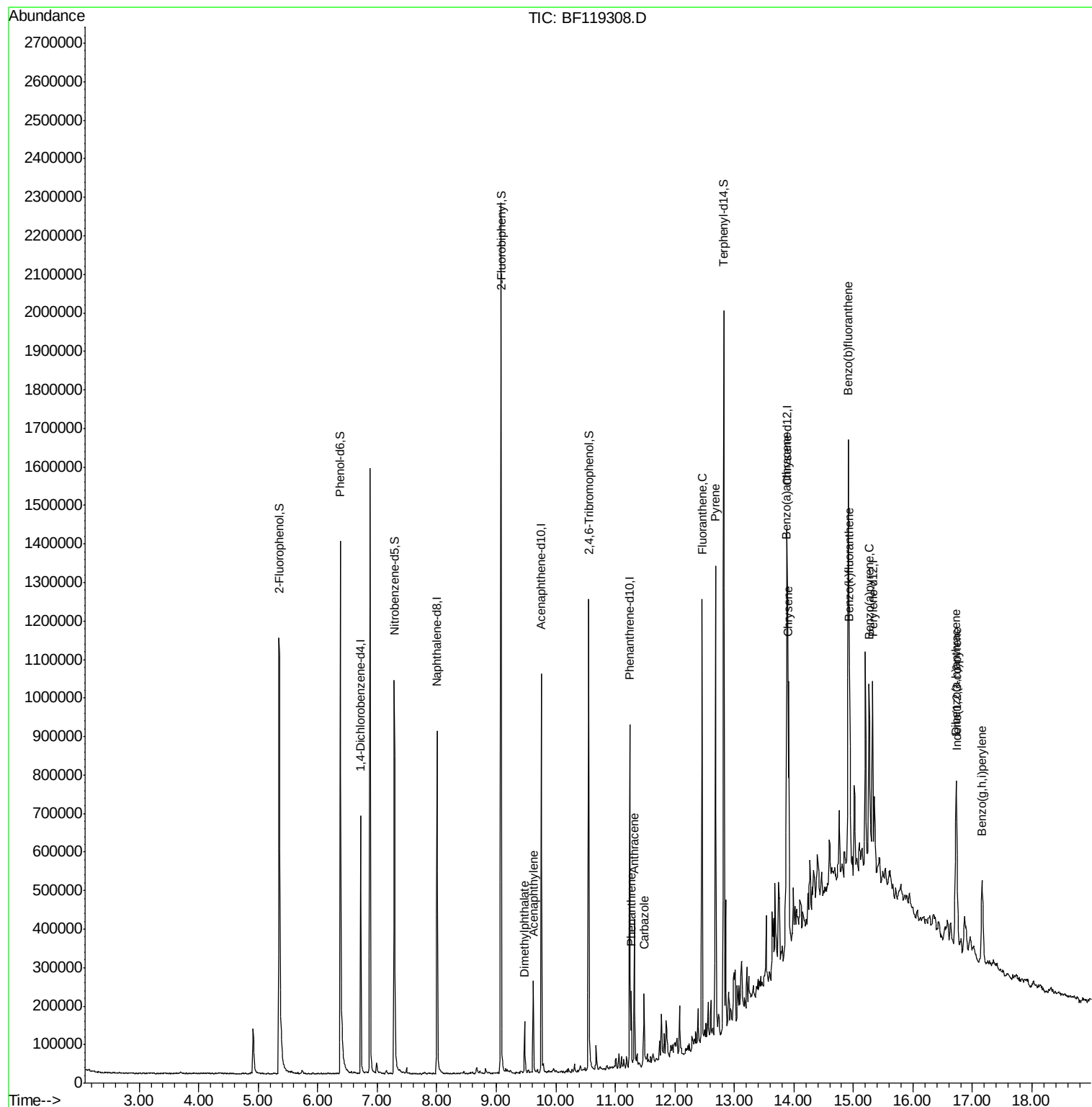
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
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Acq On : 10 Mar 2020 3:21
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Sample : L1778-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

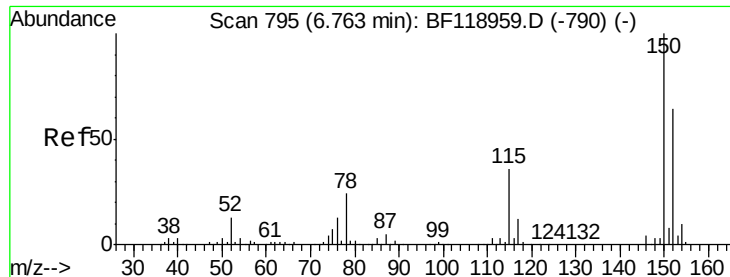
Instrument :
BNA_F
ClientSampled :
S4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

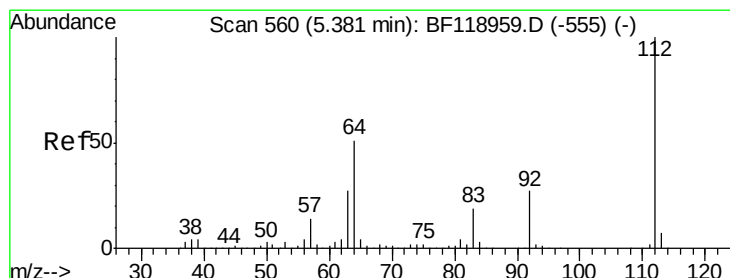
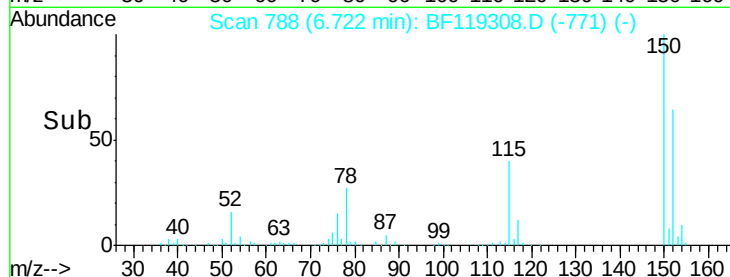
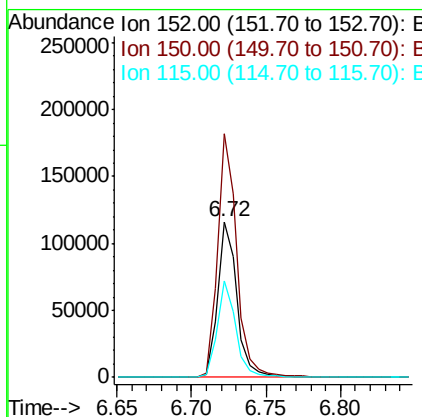
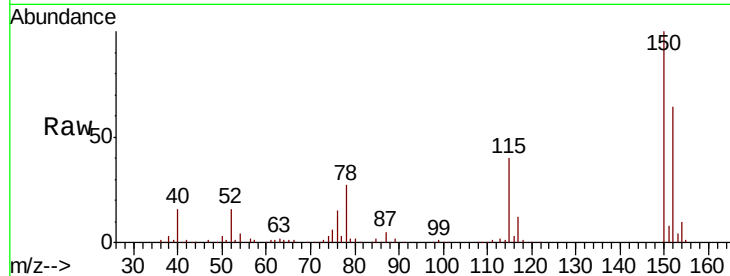
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Instrument :
BNA_F
ClientSampled :
S4

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	123.0	184.6
115	62.3	49.5	74.3

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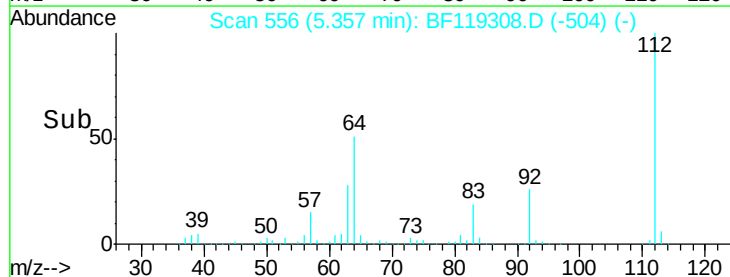
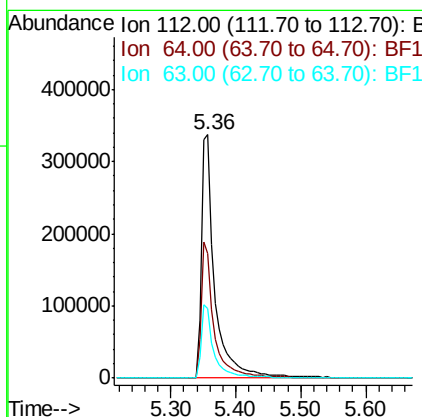
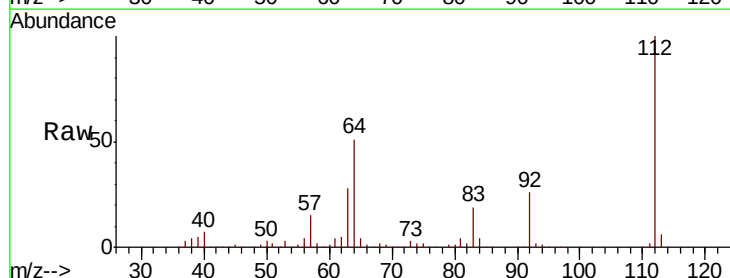
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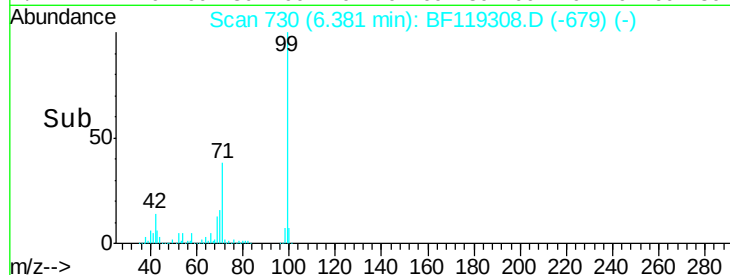
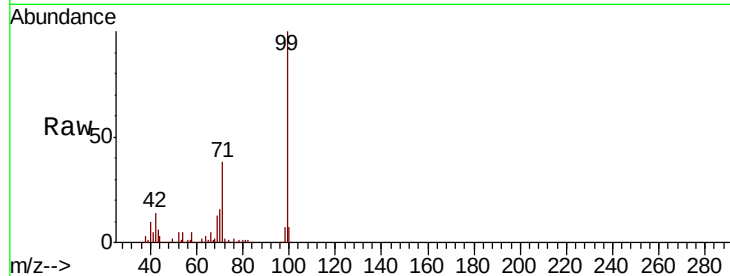
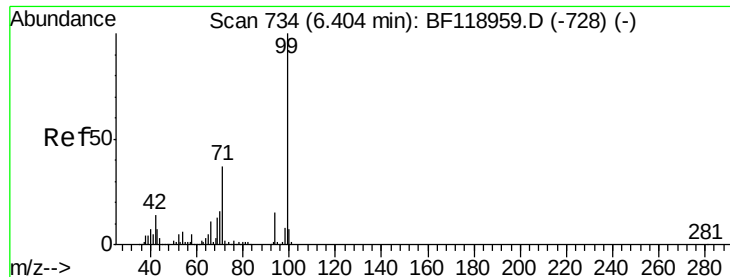


#5

2-Fluorophenol
Concen: 76.280 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	45.0	67.4
63	28.4	24.2	36.4





#7

Phenol-d6

Concen: 77.089 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119308.D

Acq: 10 Mar 2020 3:21

Tot Ion:	99	Resp:	589989
Ion Ratio	Lower	Upper	
99	100		
42	14.4	12.6	18.8
71	38.4	31.0	46.4

Instrument :

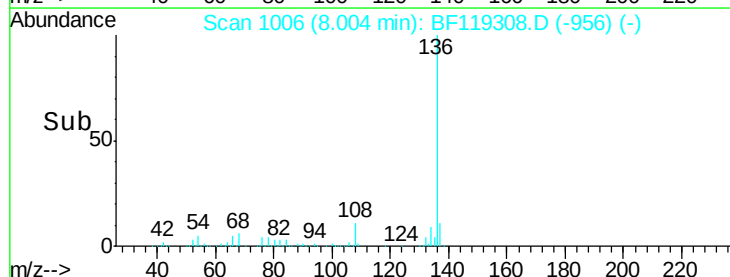
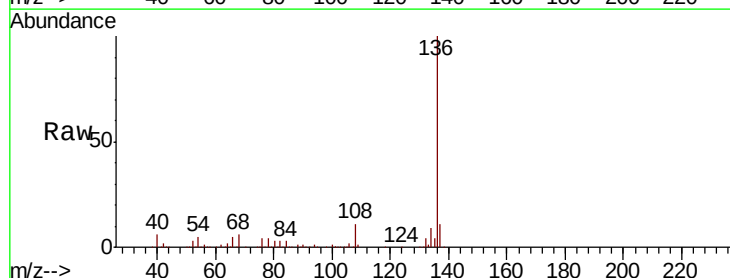
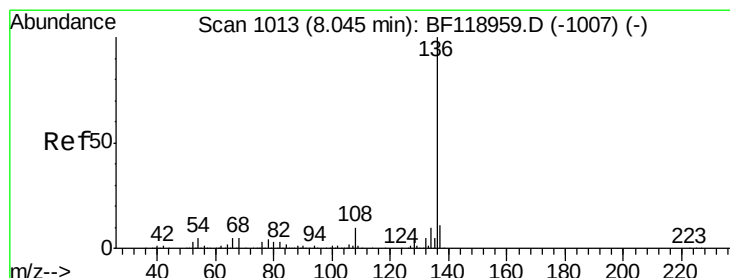
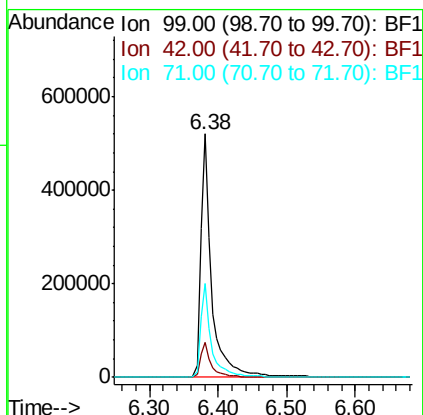
BNA_F

ClientSampleId :

S4

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#21

Naphthalene-d8

Concen: 20.000 ng

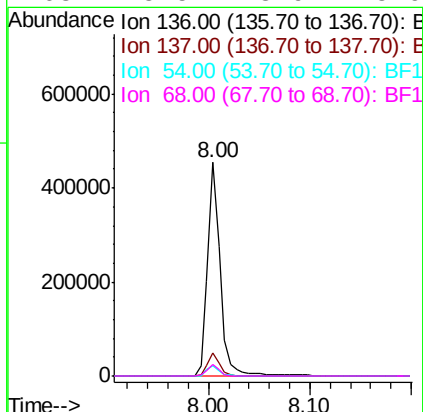
RT: 8.00 min Scan# 1006

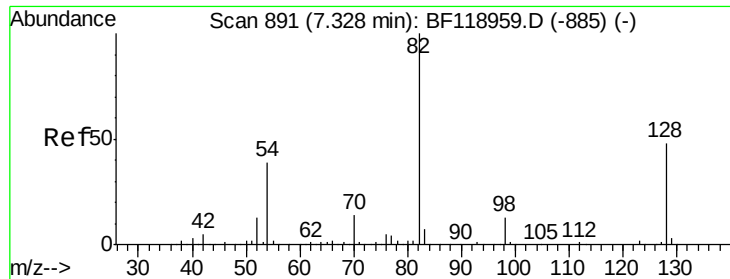
Delta R.T. -0.01 min

Lab File: BF119308.D

Acq: 10 Mar 2020 3:21

Tgt Ion:	136	Resp:	393931
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	4.9	3.8	5.6
68	5.5	3.9	5.9





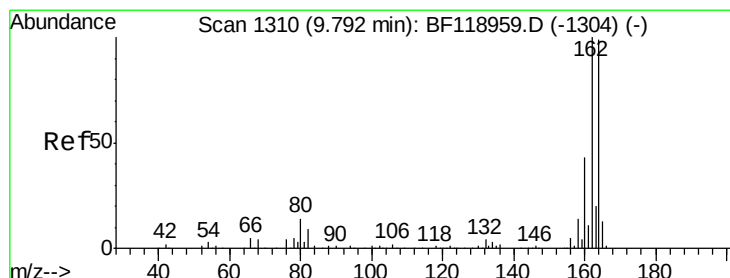
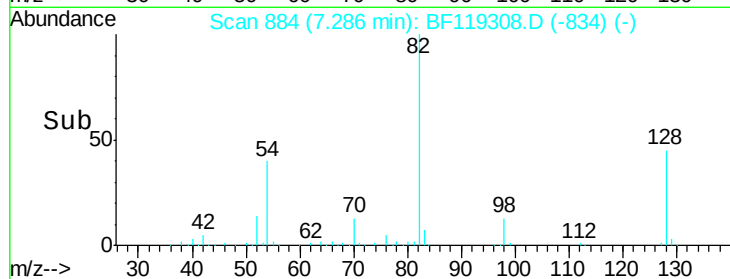
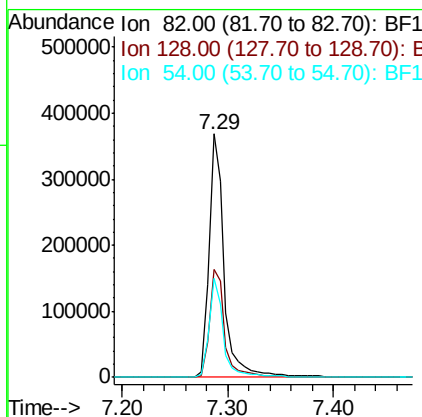
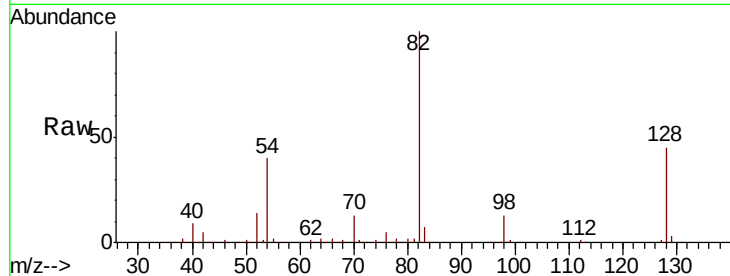
#23
 Nitrobenzene-d5
 Concen: 49.669 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF119308.D
 Acq: 10 Mar 2020 3:21

Instrument :
 BNA_F
 ClientSampled :
 S4

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	37.9	56.9
54	40.5	33.4	50.2

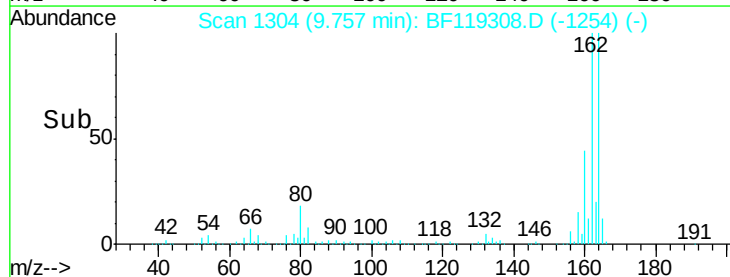
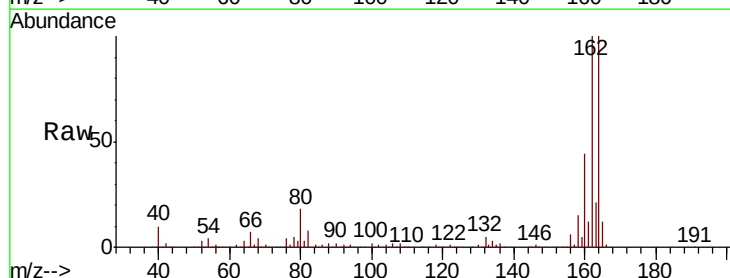
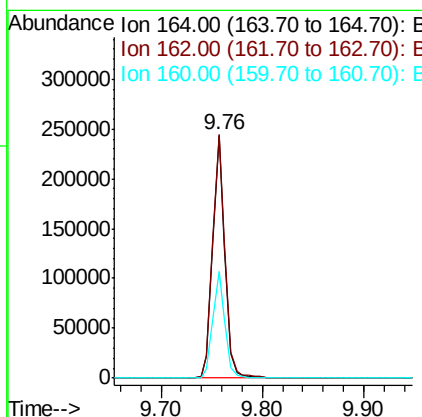
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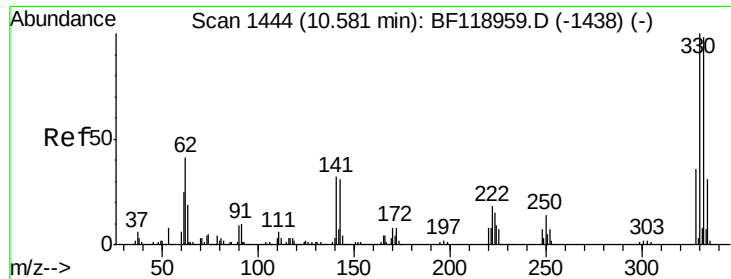
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF119308.D
 Acq: 10 Mar 2020 3:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.8	122.8
160	43.7	36.0	54.0





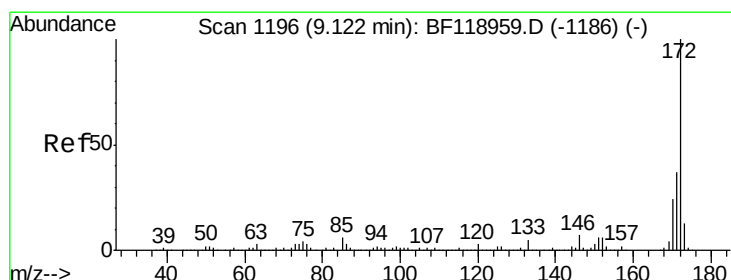
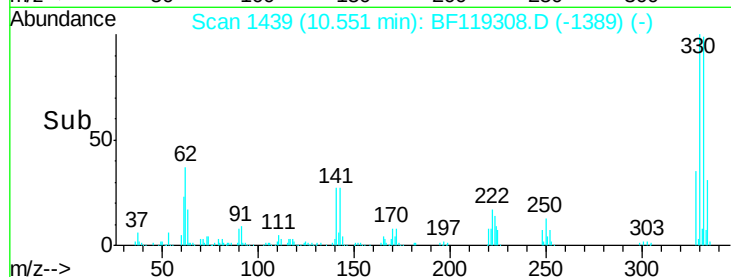
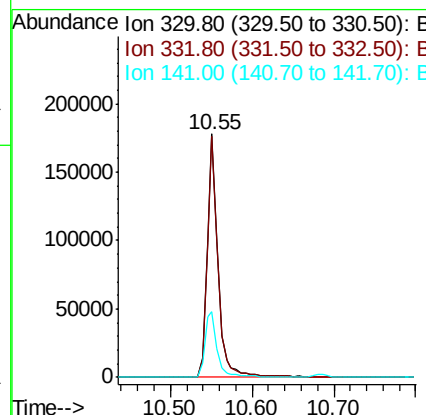
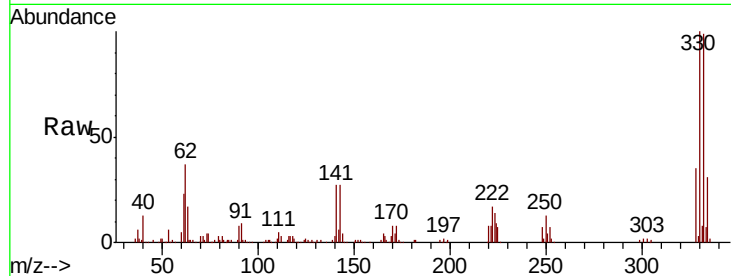
#42
 2,4,6-Tribromophenol
 Concen: 62.105 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119308.D
 Acq: 10 Mar 2020 3:21

Instrument :
 BNA_F
 ClientSampled :
 S4

Tot Ion	Ratio	Resp	Lower	Upper
330	100	166556		
332	98.1	76.0	114.0	
141	31.3	22.9	34.3	

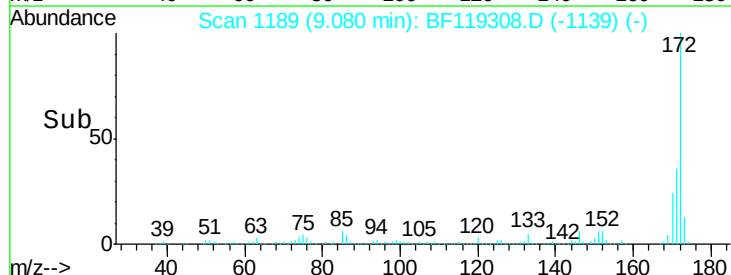
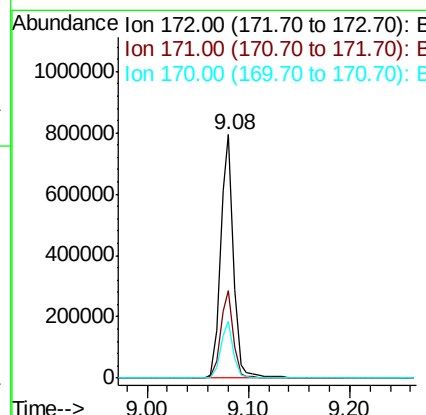
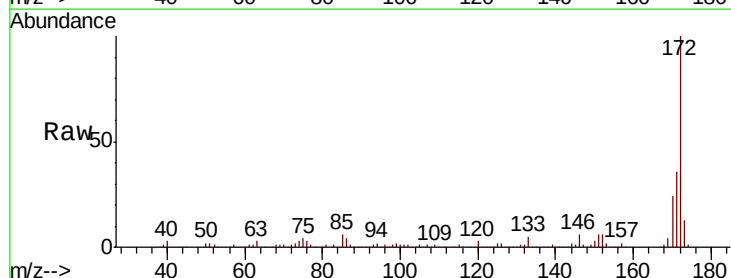
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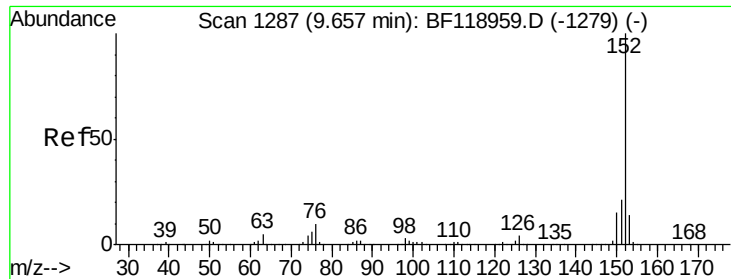
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#45
 2-Fluorobiphenyl
 Concen: 50.275 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119308.D
 Acq: 10 Mar 2020 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	699622		
171	35.8	30.6	45.8	
170	23.6	20.2	30.2	





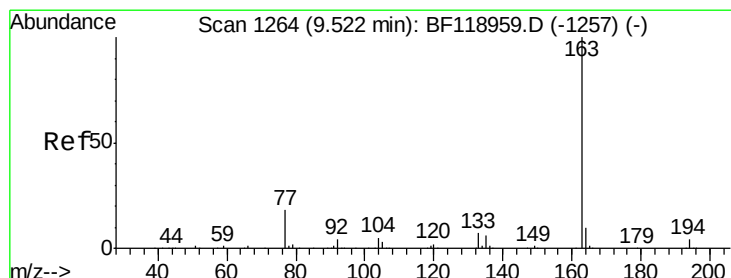
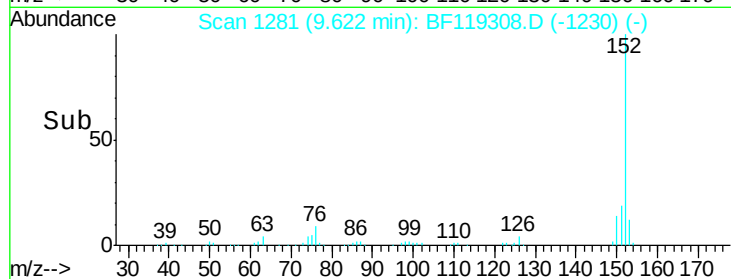
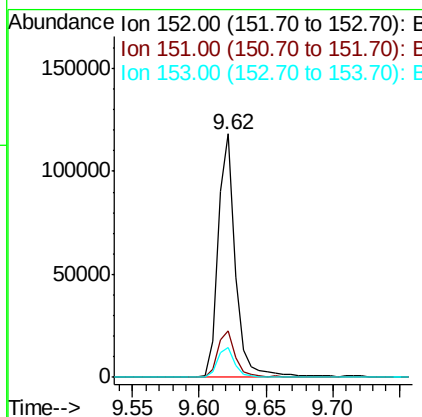
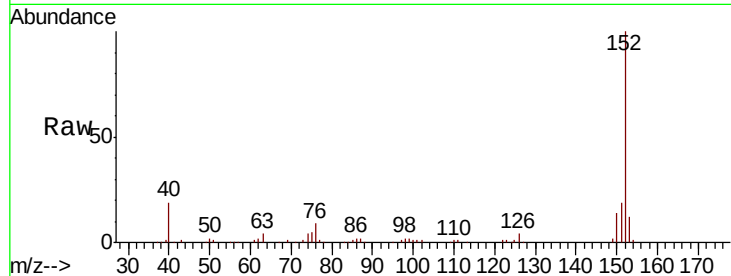
#49
Acenaphthylene
Concen: 5.665 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Instrument :
BNA_F
ClientSampleId :
S4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		109236		
151	18.9	16.9	25.3		
153	12.4	11.0	16.6		

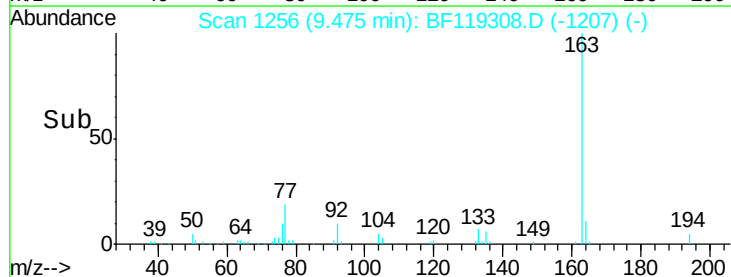
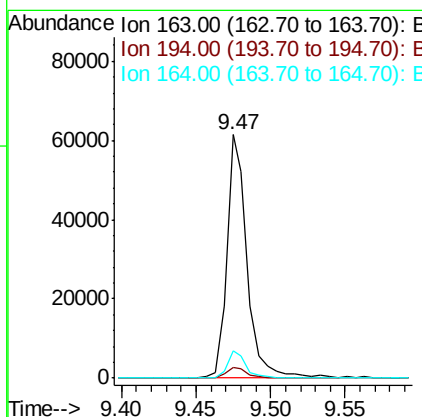
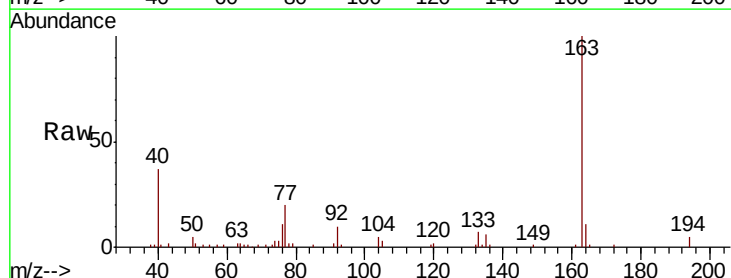
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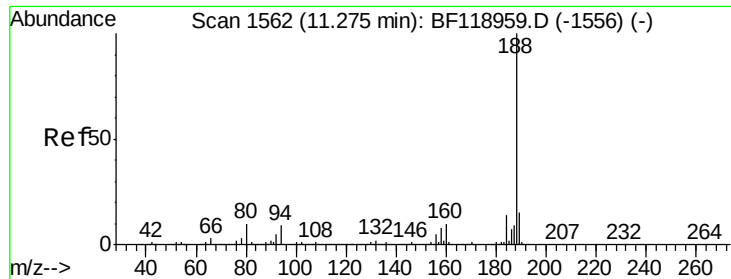
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#50
Dimethylphthalate
Concen: 3.758 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		58914		
194	4.6	3.5	5.3		
164	11.0	8.4	12.6		





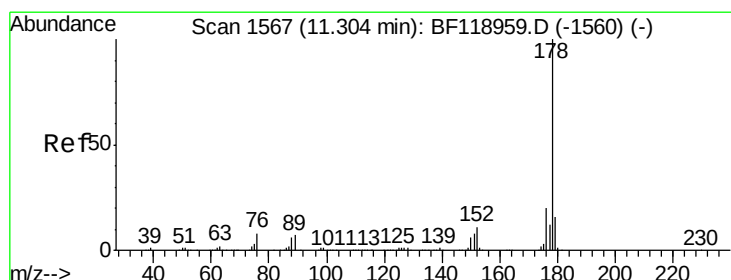
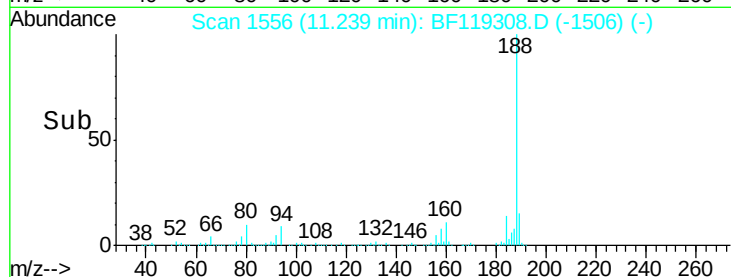
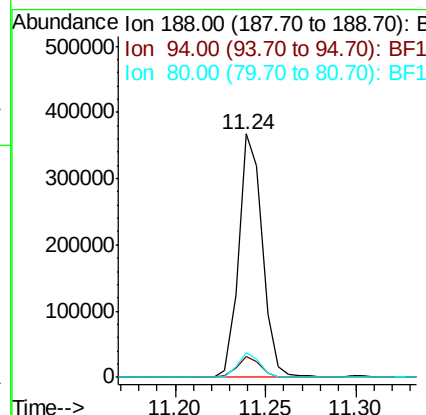
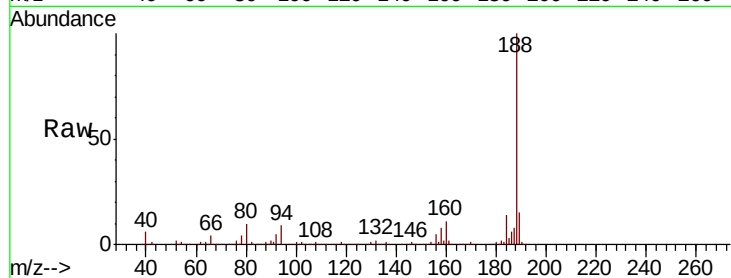
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Instrument :
BNA_F
ClientSampled :
S4

Tot Ion	Ratio	Resp	Lower	Upper
188	100	334926		
94	8.7		7.1	10.7
80	10.0		7.8	11.8

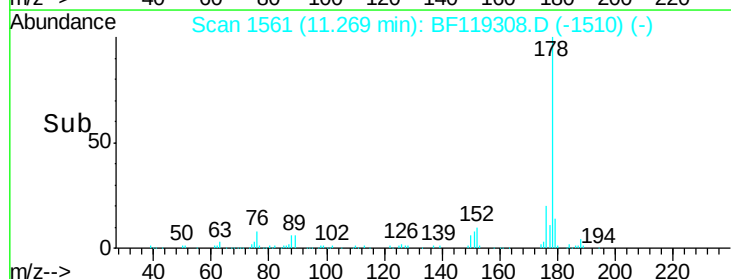
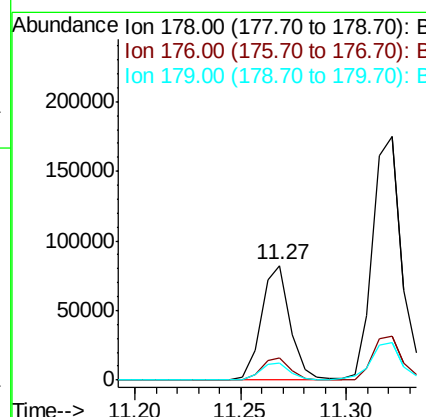
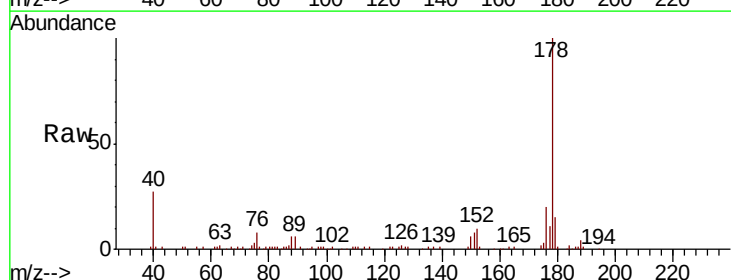
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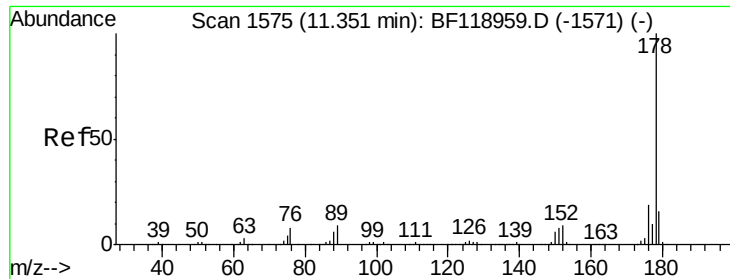
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#71
Phenanthrene
Concen: 4.292 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	78396		
176	19.5		16.5	24.7
179	14.7		13.0	19.6





#72

Anthracene

Concen: 9.246 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF119308.D

Acq: 10 Mar 2020 3:21

Instrument :

BNA_F

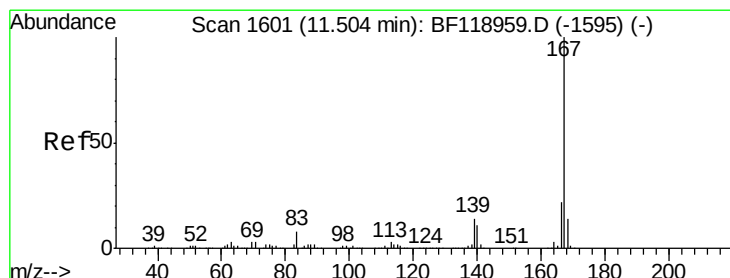
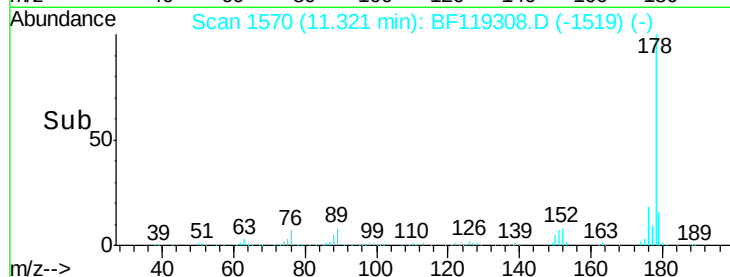
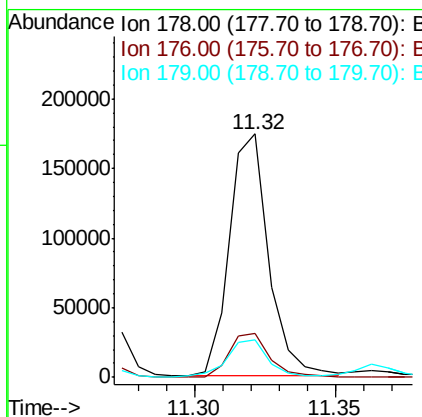
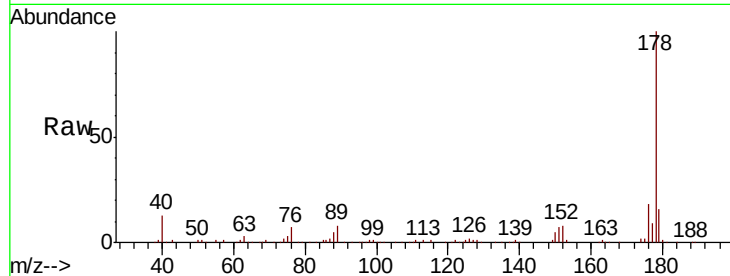
ClientSampleId :

S4

Tot Ion:	178	Resp:	168732
Ion Ratio	Lower	Upper	
178	100		
176	18.1	16.0	24.0
179	15.6	13.1	19.7

Manual Integrations
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#73

Carbazole

Concen: 4.591 ng

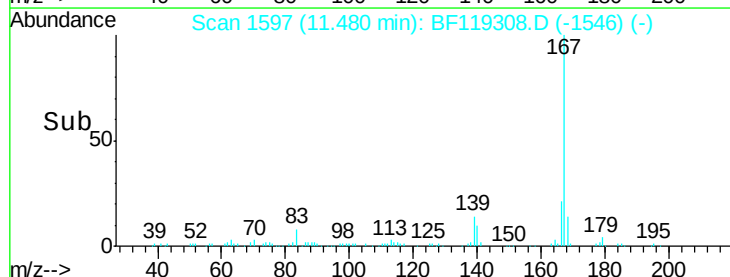
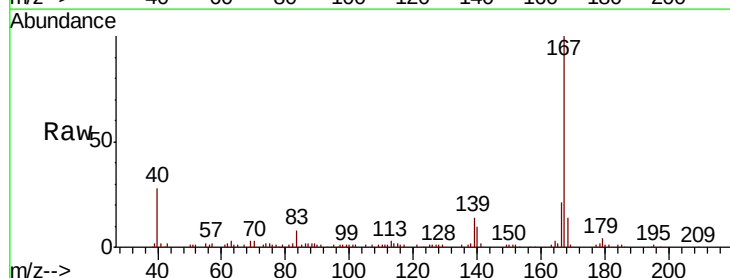
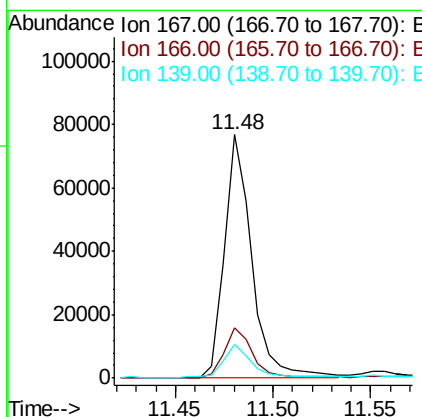
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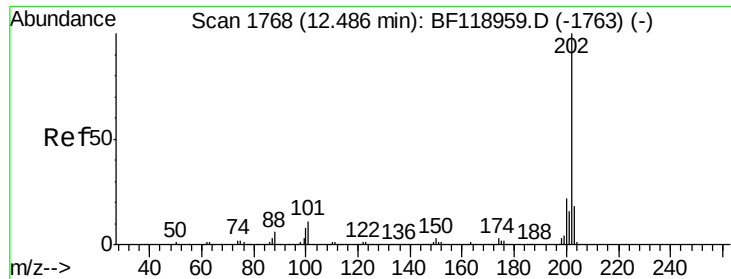
Delta R.T. 0.00 min

Lab File: BF119308.D

Acq: 10 Mar 2020 3:21

Tgt Ion:	167	Resp:	74635
Ion Ratio	Lower	Upper	
167	100		
166	20.9	18.2	27.4
139	14.1	11.7	17.5





#75

Fluoranthene

Concen: 22.598 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BF119308.D

Acq: 10 Mar 2020 3:21

Instrument :

BNA_F

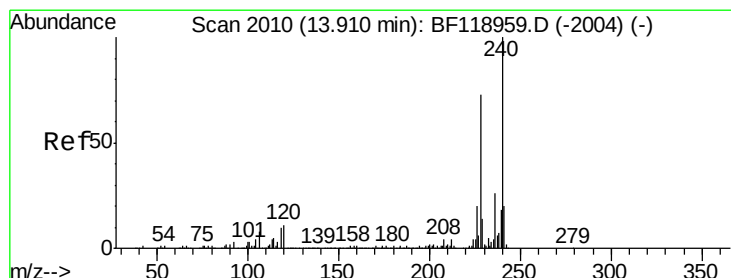
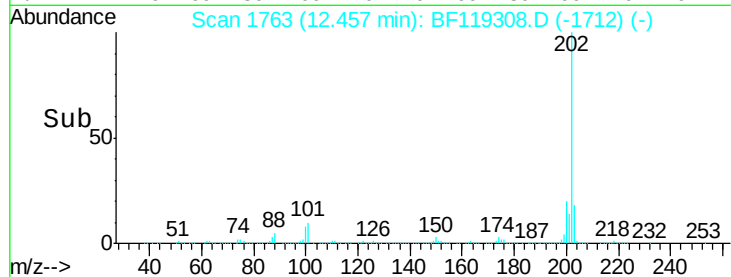
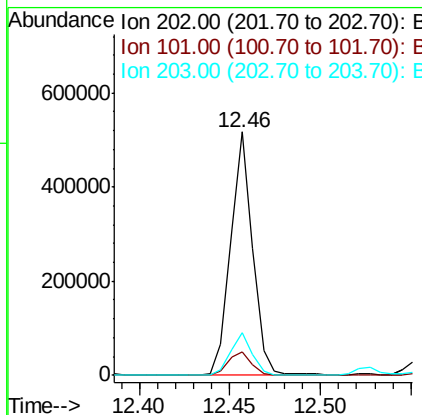
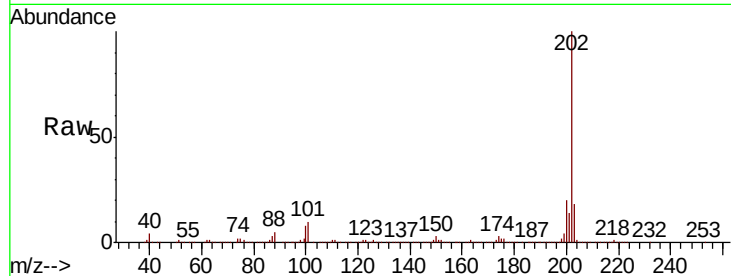
ClientSampleId :

S4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.5	0.0	30.3
203	17.8	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

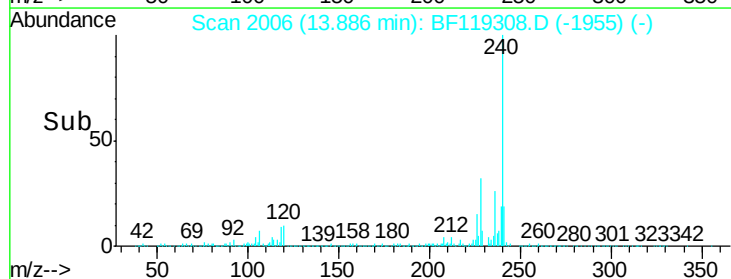
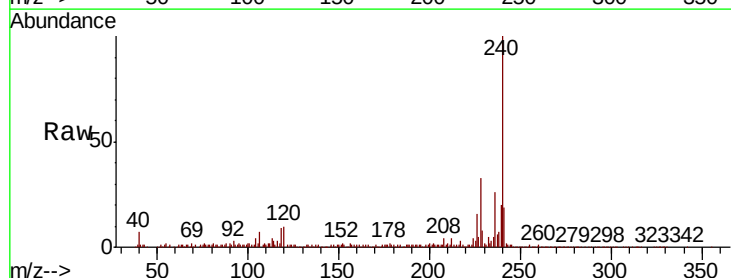
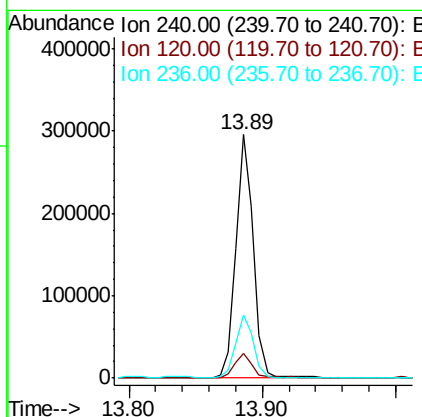
RT: 13.89 min Scan# 2006

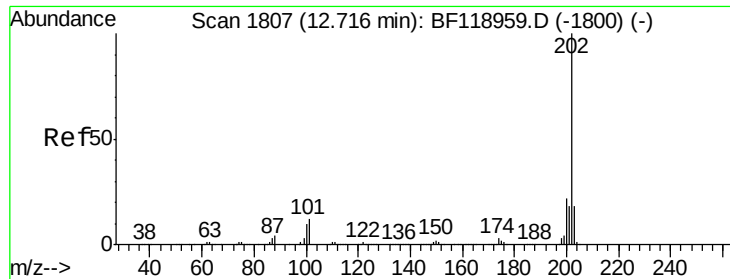
Delta R.T. 0.00 min

Lab File: BF119308.D

Acq: 10 Mar 2020 3:21

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.3	8.4	12.6
236	26.1	21.0	31.4





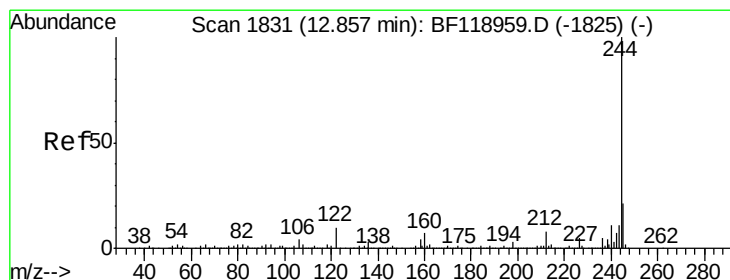
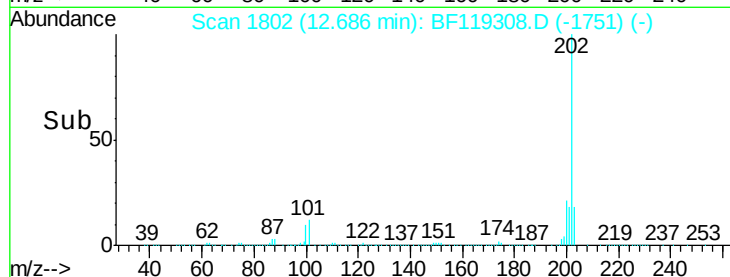
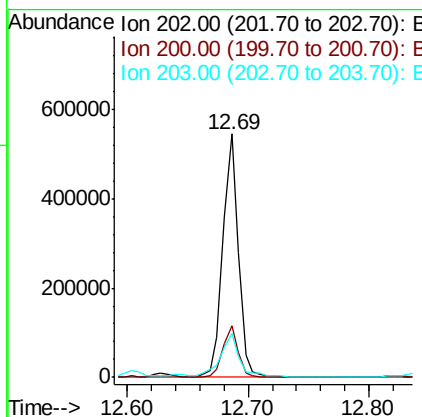
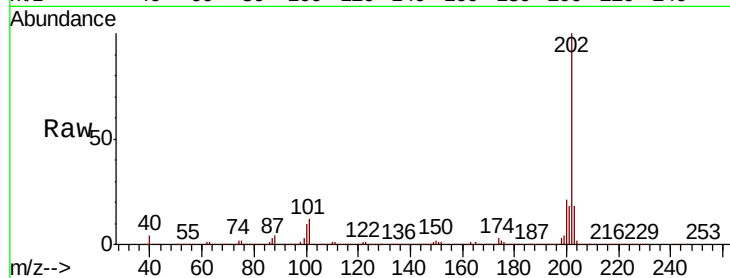
#78
Pvrene
Concen: 22.409 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.00 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Instrument :
BNA_F
ClientSampleId :
S4

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	18.0	27.0
203	18.0	14.6	22.0

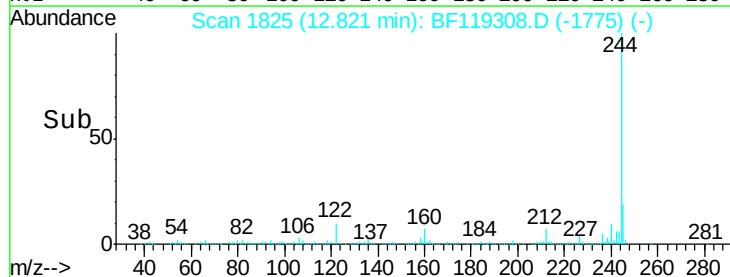
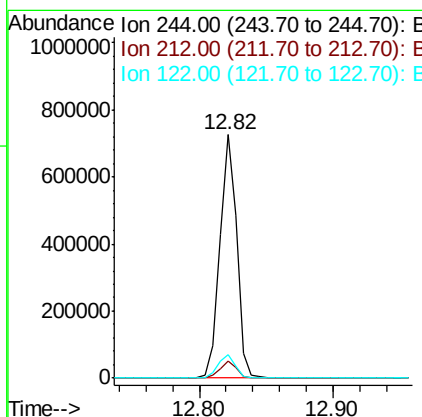
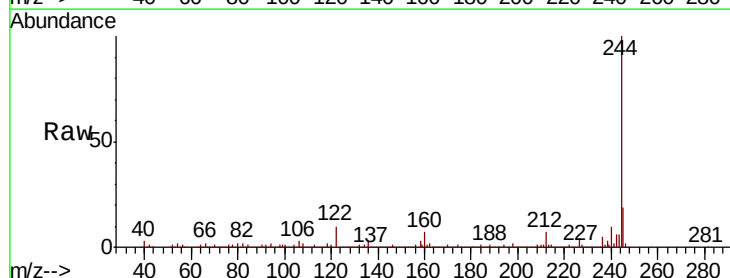
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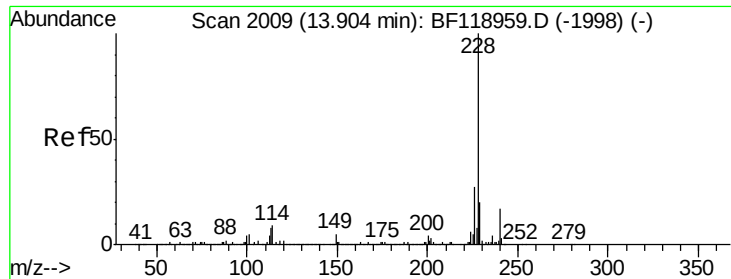
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#79
Terphenyl-d14
Concen: 41.813 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.6	10.0
122	9.8	8.2	12.2





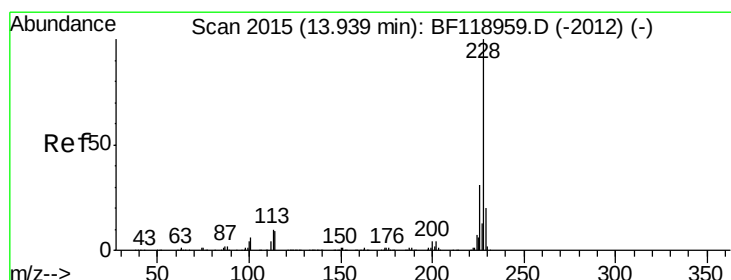
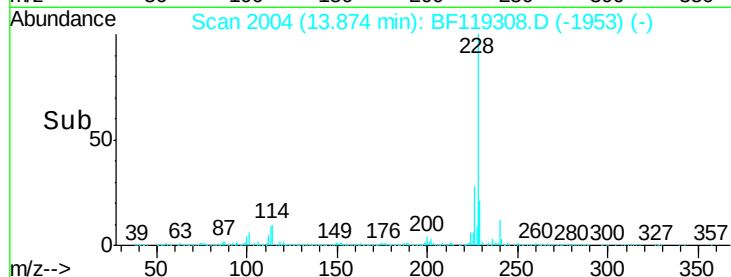
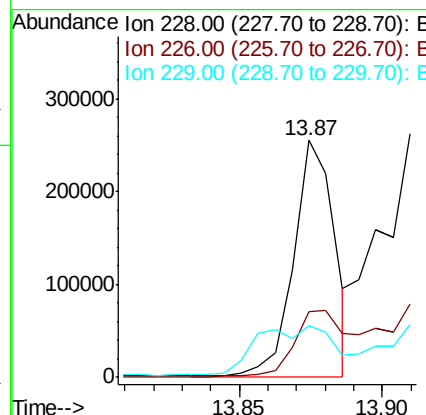
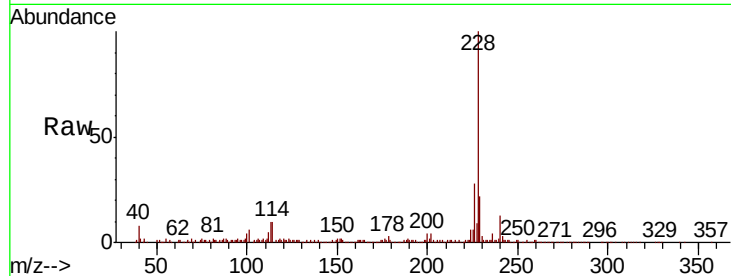
#81
Benzo(a)anthracene
Concen: 14.135 ng m
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Instrument :
BNA_F
ClientSampleId :
S4

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	21.9	16.6	24.8

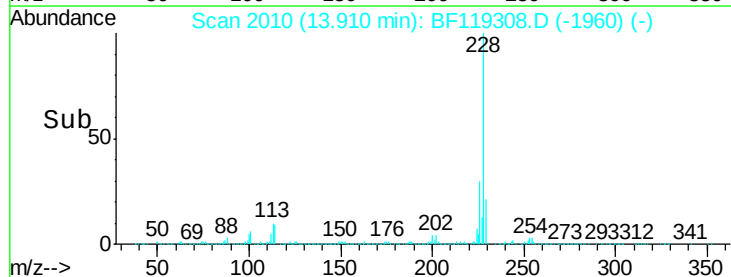
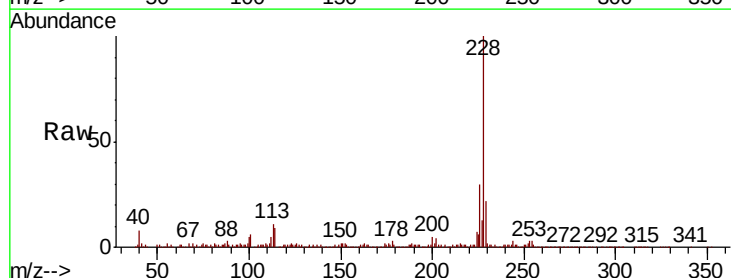
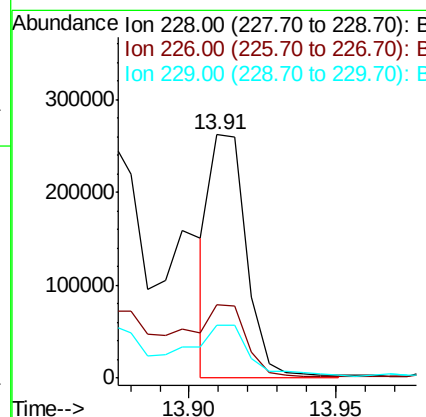
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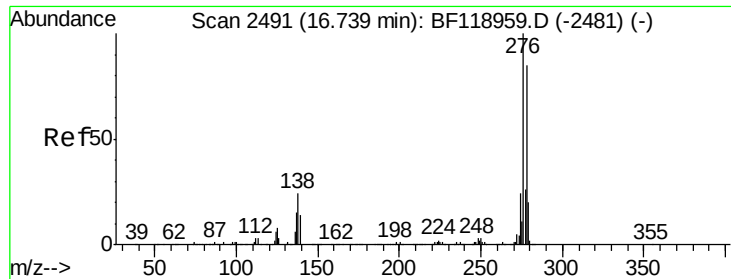
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#83
Chrysene
Concen: 12.392 ng m
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.1	37.7
229	21.5	16.3	24.5





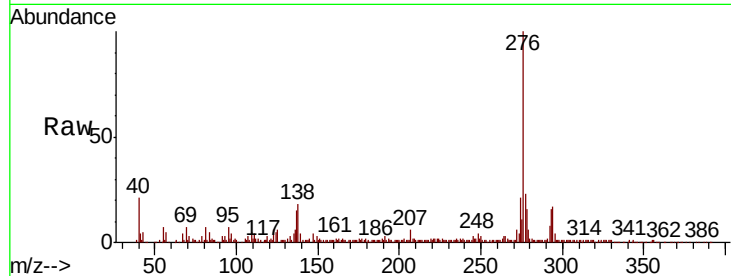
#86
Indeno(1,2,3-cd)pyrene
Concen: 11.399 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.02 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Instrument :
BNA_F
ClientSampled :
S4

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.5	17.4	26.0
277	23.4	20.3	30.5

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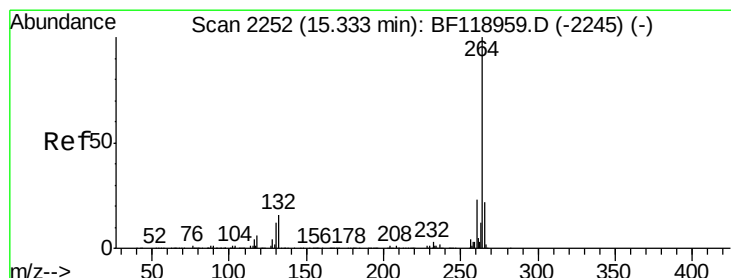
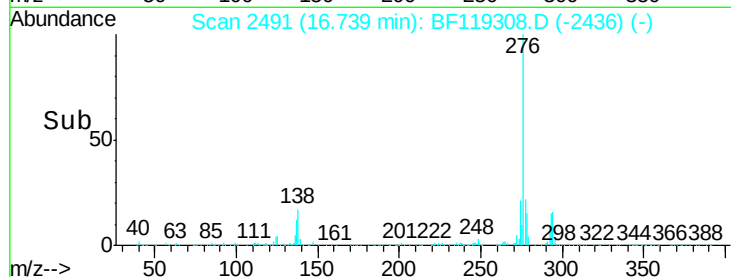
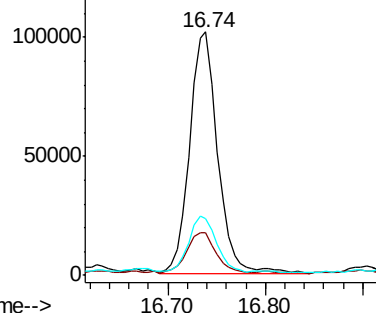


Abundance

Ion 276.00 (275.70 to 276.70): E

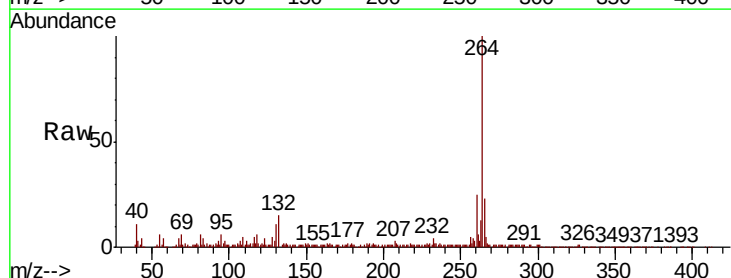
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	23.3	17.7	26.5

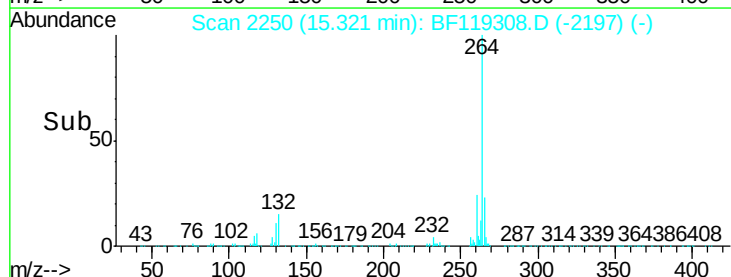
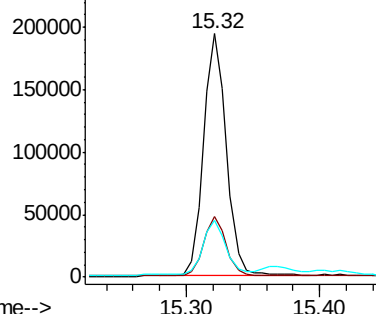


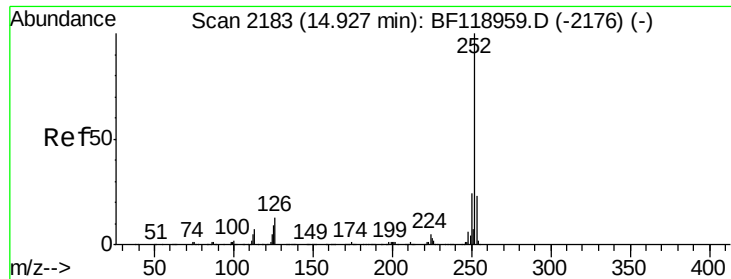
Abundance

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





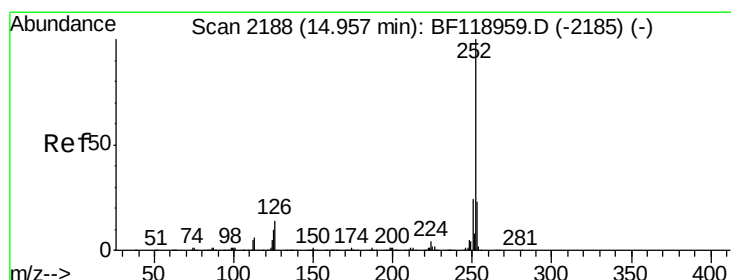
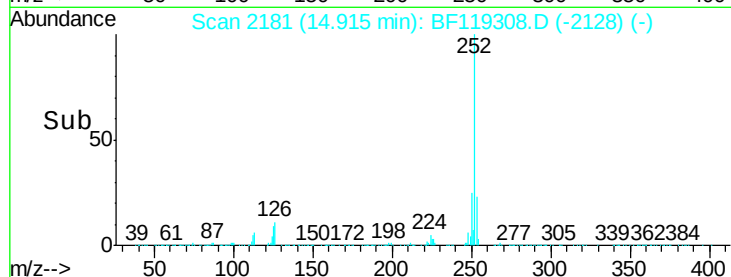
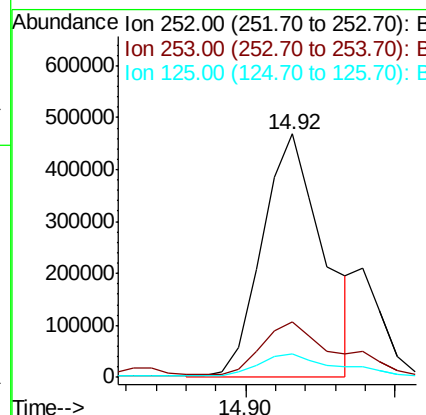
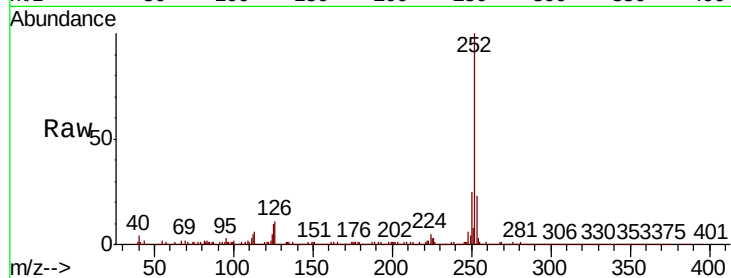
#88
Benzo(b)fluoranthene
Concen: 43.248 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Instrument :
BNA_F
ClientSampleId :
S4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	9.5	7.4	11.0

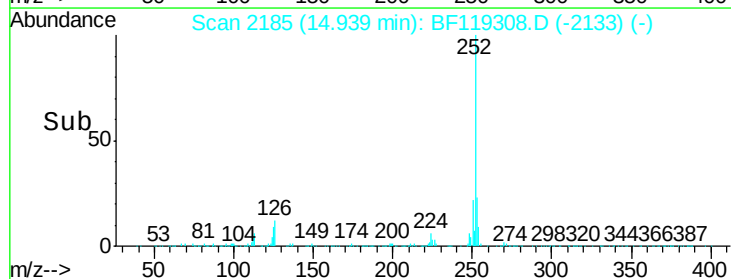
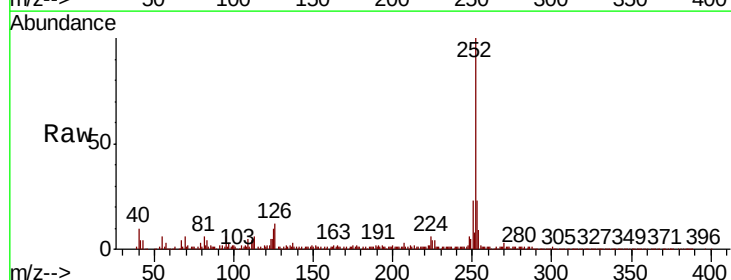
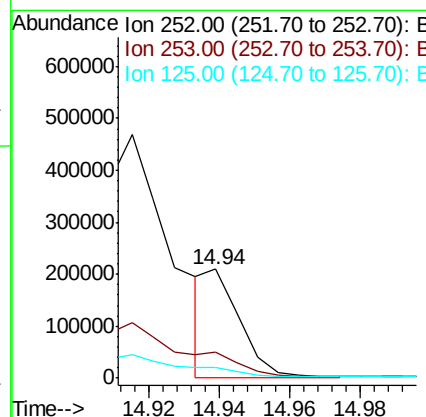
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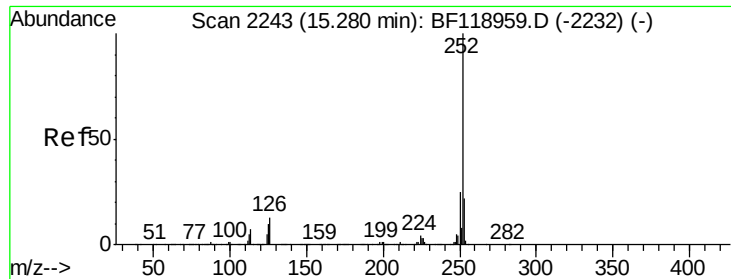
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#89
Benzo(k)fluoranthene
Concen: 9.987 ng m
RT: 14.94 min Scan# 2185
Delta R.T. 0.01 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	9.9	7.5	11.3





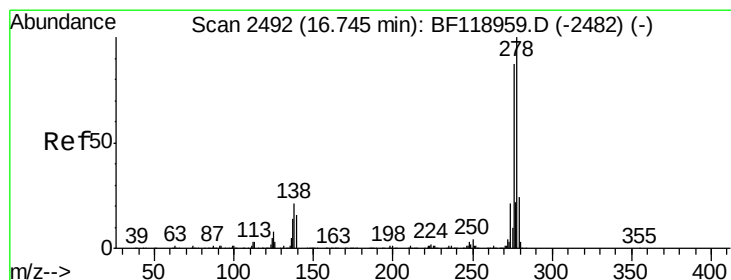
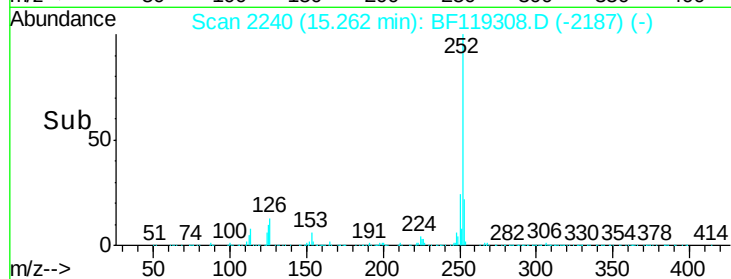
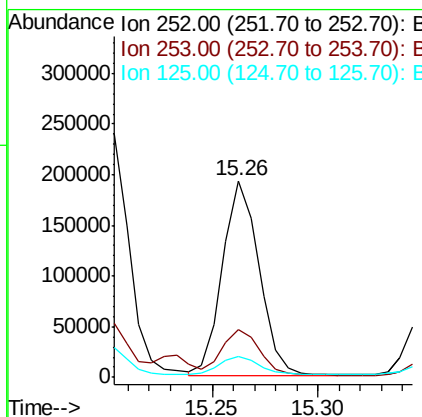
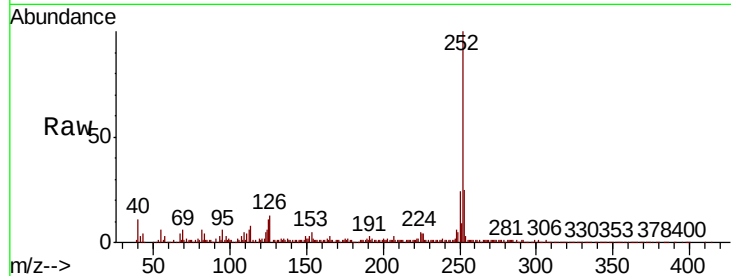
#90
Benzo(a)pyrene
Concen: 16.726 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Instrument :
BNA_F
ClientSampleId :
S4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	10.8	8.6	12.8

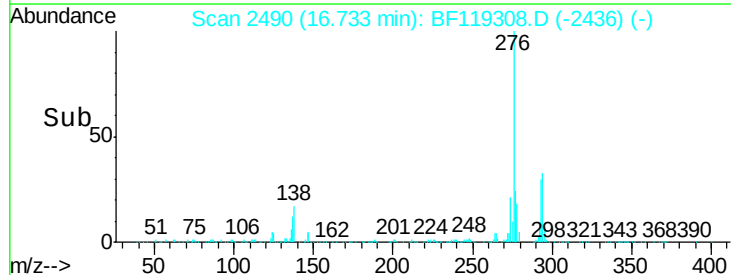
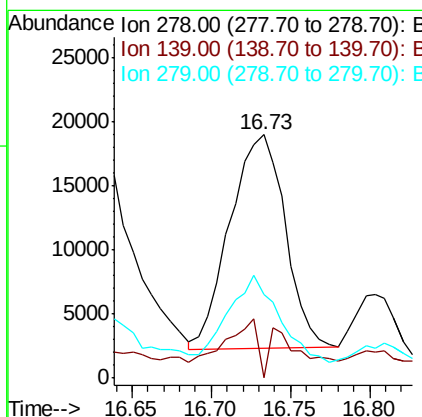
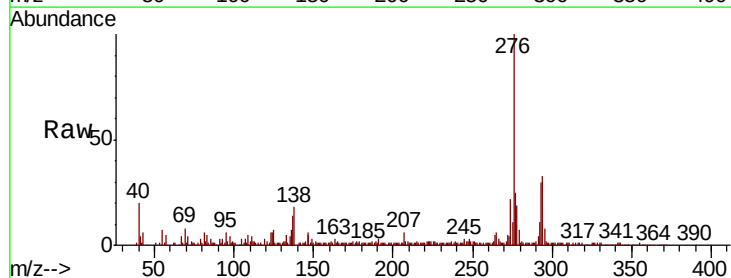
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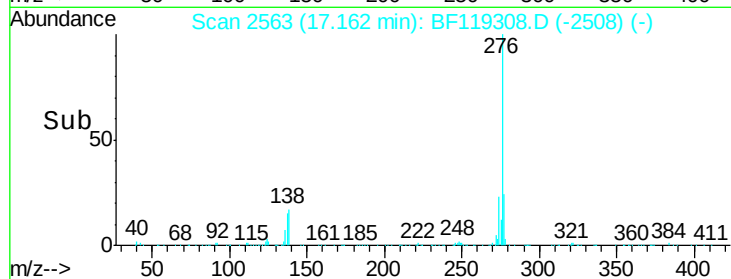
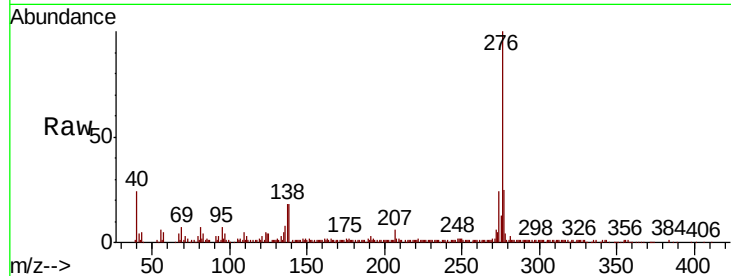
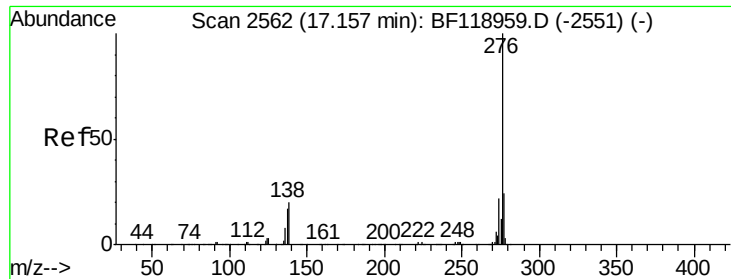
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#91
Dibenzo(a,h)anthracene
Concen: 3.304 ng
RT: 16.73 min Scan# 2490
Delta R.T. 0.02 min
Lab File: BF119308.D
Acq: 10 Mar 2020 3:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.0	16.4#
279	34.6	18.6	28.0#





#92

Benzo(a,h,i)perylene

Concen: 16.002 ng

RT: 17.16 min Scan# 2563

Delta R.T. 0.02 min

Lab File: BF119308.D

Acq: 10 Mar 2020 3:21

Instrument :

BNA_F

ClientSampleId :

S4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
192954	276	100			
	277	24.7	18.7	28.1	
	138	18.0	14.3	21.5	

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