

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
 Data File : BF119287.D
 Acq On : 9 Mar 2020 15:06
 Operator : CG/JU
 Sample : L1778-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S1

Manual Integrations
 APPROVED

mohammad
 3/10/2020 2:44:13 PM

Quant Time: Mar 09 18:17:06 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	120223	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	472038	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	269014	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	497389	20.00	ng	0.00
76) Chrysene-d12	13.88	240	300629	20.00	ng	0.00
87) Perylene-d12	15.31	264	319719	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	620479	86.25	ng	0.00
7) Phenol-d6	6.38	99	771255	88.15	ng	0.00
23) Nitrobenzene-d5	7.29	82	519615	58.12	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	284600	80.87	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1044005	57.17	ng	0.00
79) Terphenyl-d14	12.82	244	1112433	63.71	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.03	128	107307	4.383	ng	97
37) 2-Methylnaphthalene	8.72	142	129171	7.841	ng	99
38) 1-Methylnaphthalene	8.82	142	43783	2.826	ng	97
50) Dimethylphthalate	9.47	163	89271	4.340	ng	98
71) Phenanthrene	11.26	178	147720	5.446	ng	97
75) Fluoranthene	12.46	202	291981	10.141	ng	97
78) Pyrene	12.68	202	267437	11.079	ng	98
81) Benzo(a)anthracene	13.87	228	133222	6.504	ng	98
83) Chrysene	13.91	228	141521	6.934	ng	97
86) Indeno(1,2,3-cd)pyrene	16.73	276	52555	2.659	ng	96
88) Benzo(b)fluoranthene	14.90	252	144643m	6.864	ng	
89) Benzo(k)fluoranthene	14.93	252	49254m	2.522	ng	
90) Benzo(a)pyrene	15.26	252	87173	4.583	ng	99
92) Benzo(a,h,i)perylene	17.15	276	52812	3.194	ng	94

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

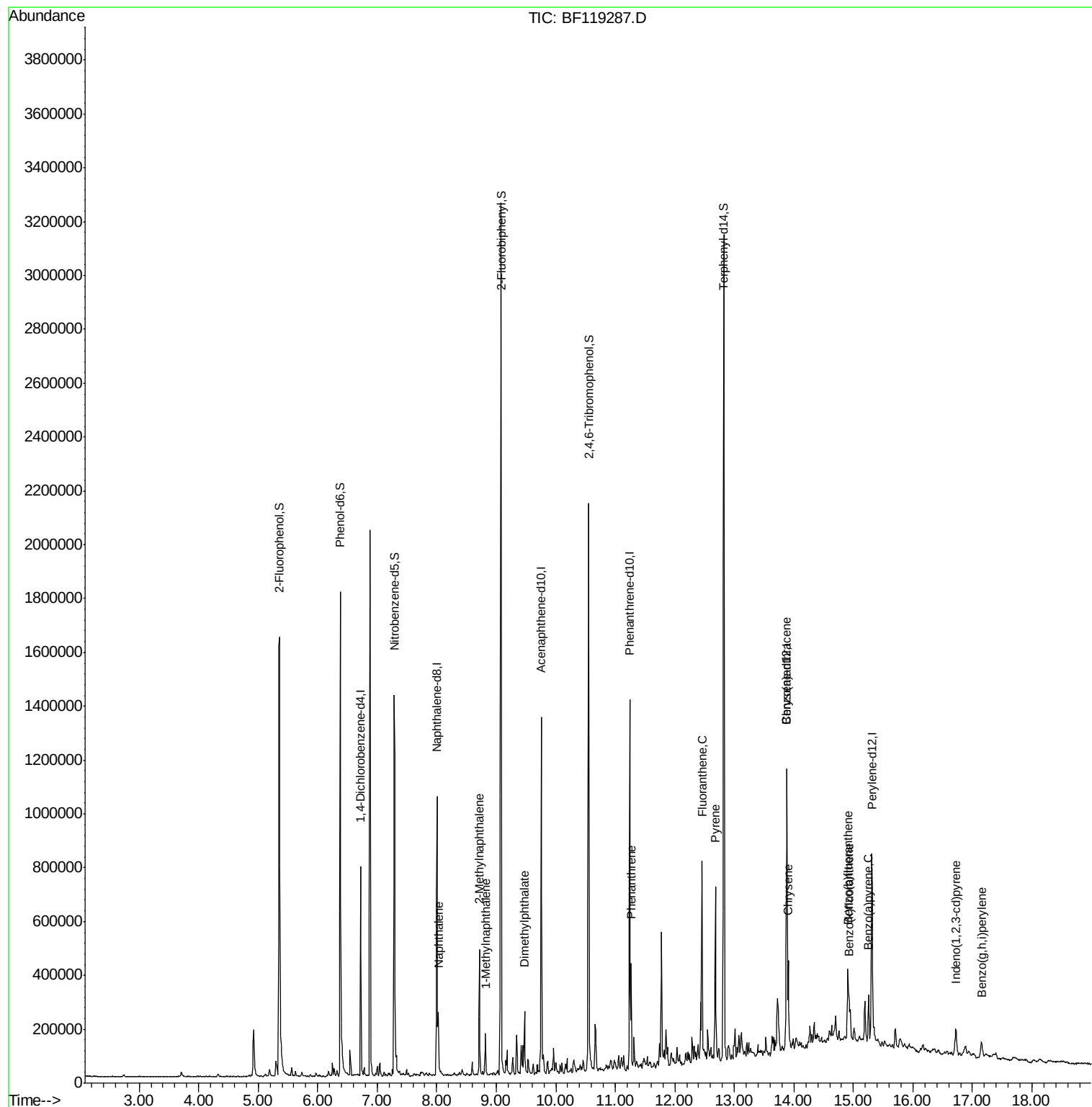
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
Data File : BF119287.D
Acq On : 9 Mar 2020 15:06
Operator : CG/JU
Sample : L1778-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

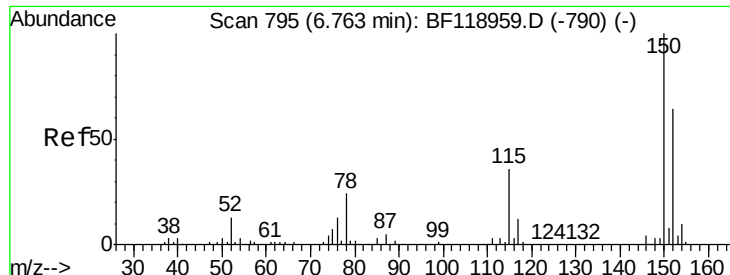
Instrument :
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ClientSampleId :
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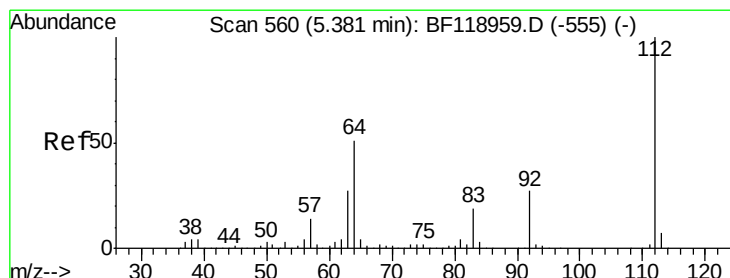
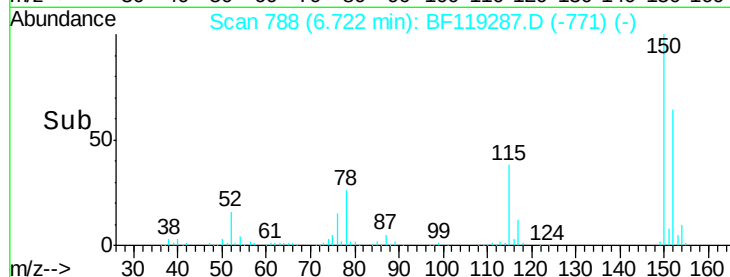
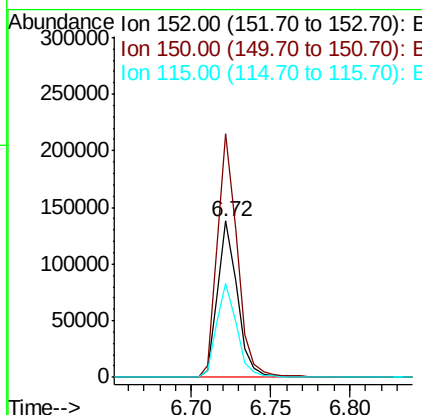
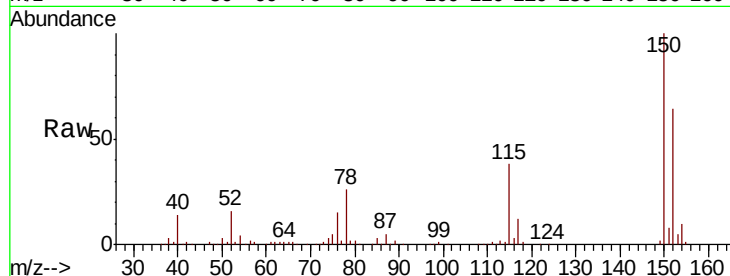
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF119287.D
 Acq: 9 Mar 2020 15:06

Instrument :
 BNA_F
 ClientSampleId :
 S1

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.0	184.6
115	59.7	49.5	74.3

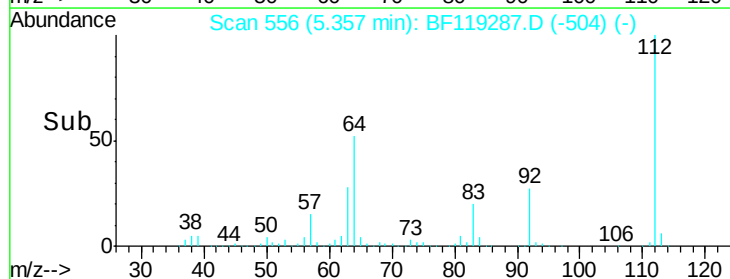
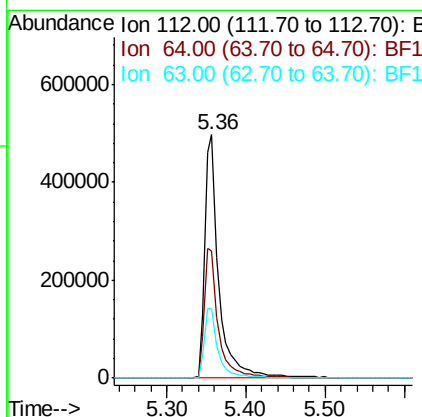
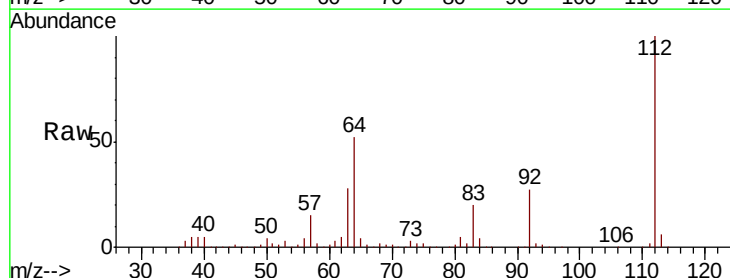
Manual Integrations
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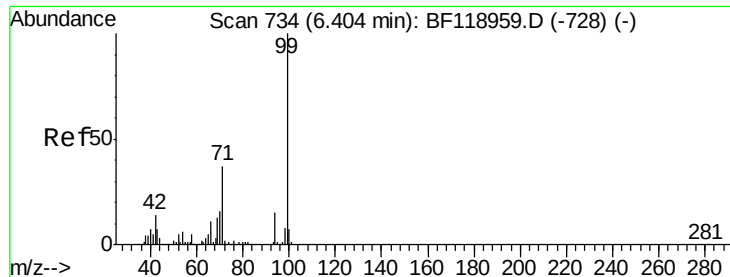
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#5
 2-Fluorophenol
 Concen: 86.251 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF119287.D
 Acq: 9 Mar 2020 15:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	45.0	67.4
63	28.4	24.2	36.4





#7

Phenol-d6

Concen: 88.152 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Instrument :

BNA_F

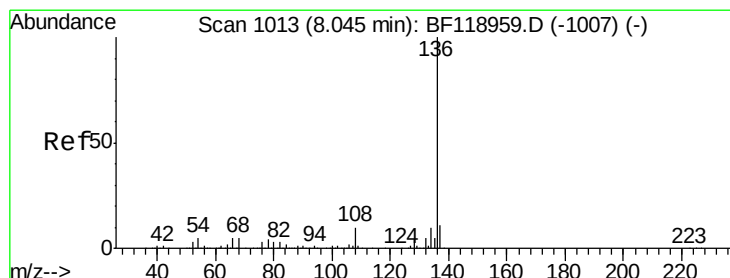
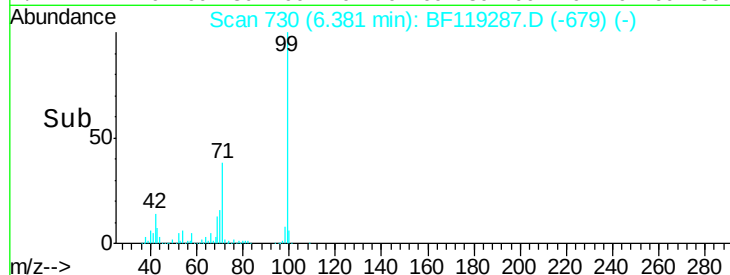
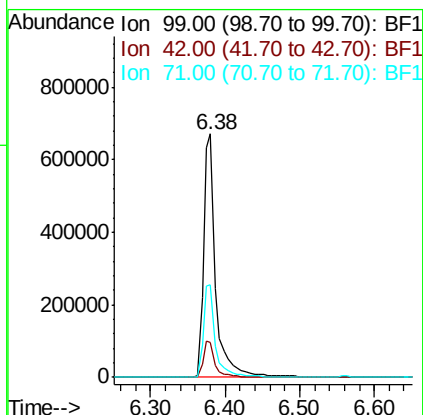
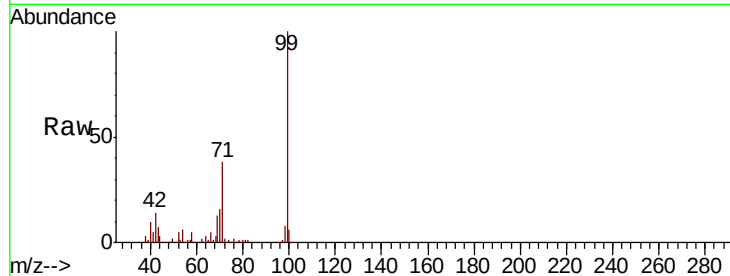
ClientSampleId :

S1

Tot Ion:	99	Resp:	771255
Ion	Ratio	Lower	Upper
99	100		
42	14.4	12.6	18.8
71	38.1	31.0	46.4

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#21

Naphthalene-d8

Concen: 20.000 ng

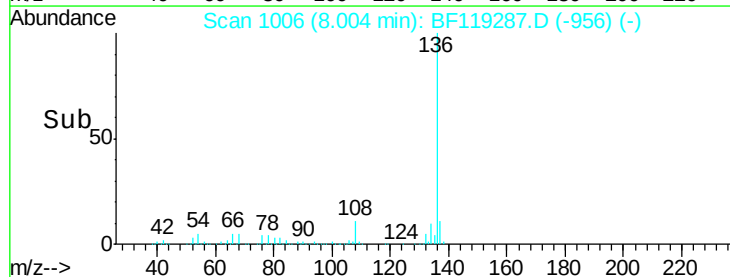
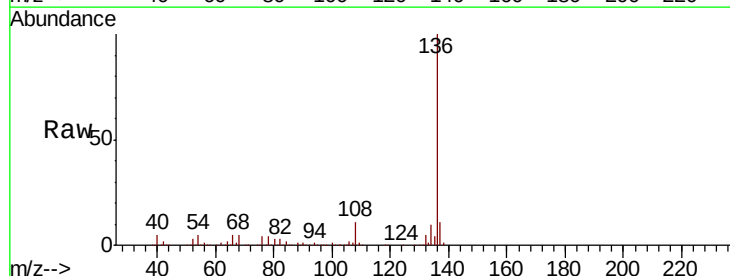
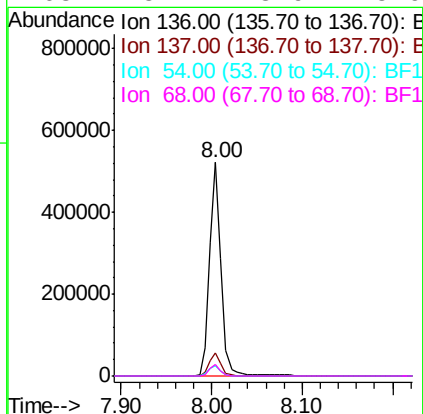
RT: 8.00 min Scan# 1006

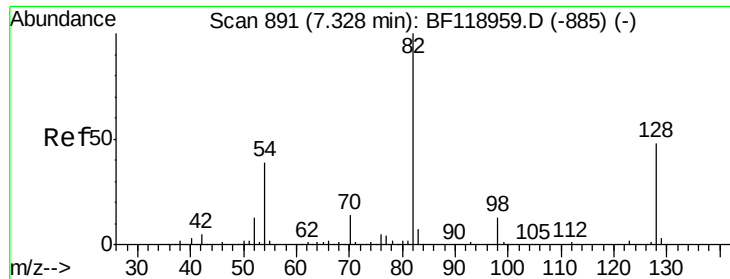
Delta R.T. -0.01 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Tgt Ion:	136	Resp:	472038
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	5.0	3.8	5.6
68	5.1	3.9	5.9





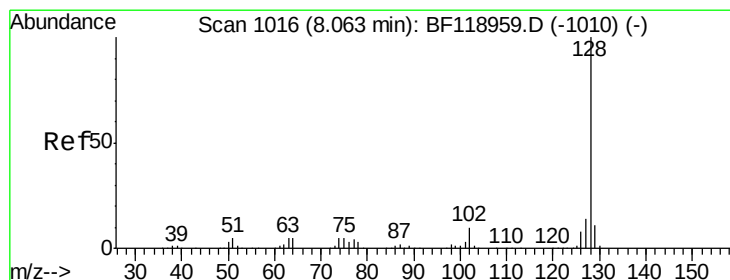
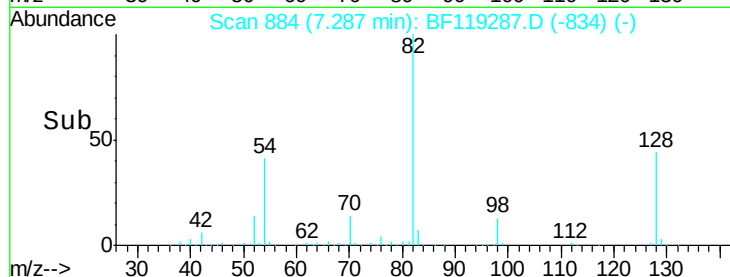
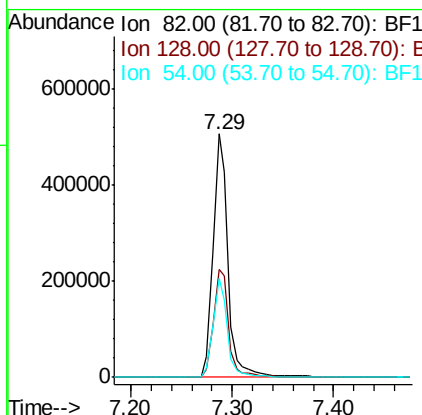
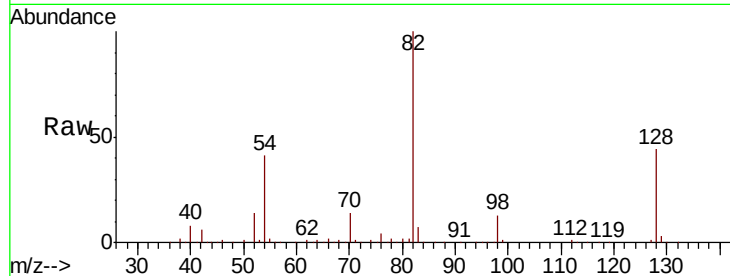
#23
Nitrobenzene-d5
Concen: 58.122 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Instrument :
BNA_F
ClientSampleId :
S1

Tot Ion	82	Resp	519615
Ion Ratio	100	Lower	Upper
128	44.4	37.9	56.9
54	40.9	33.4	50.2

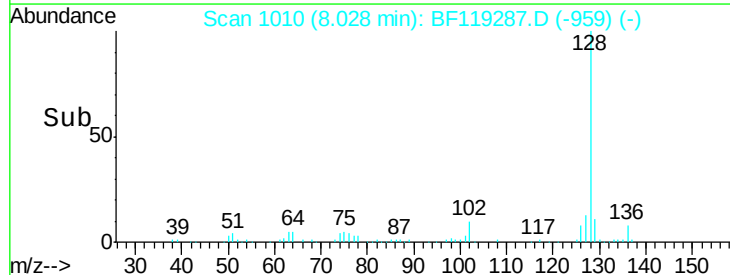
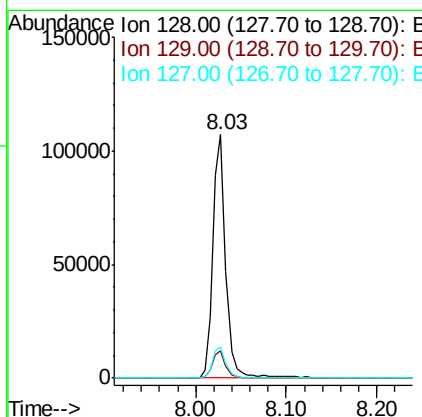
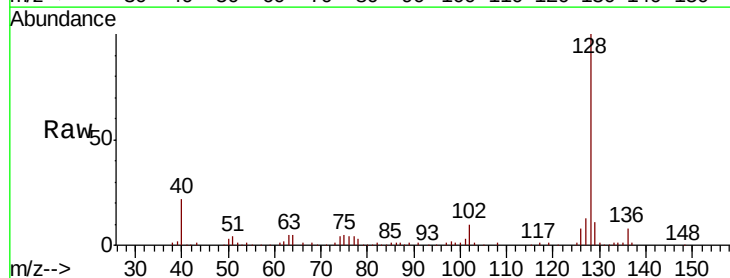
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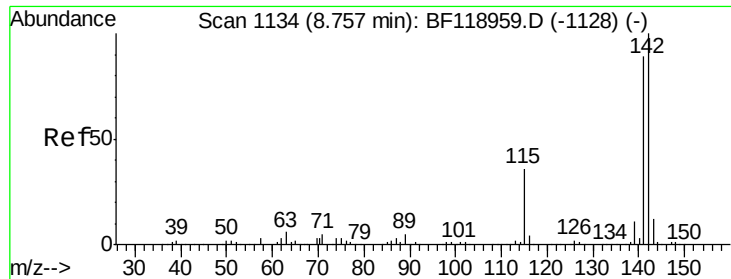
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#31
Naphthalene
Concen: 4.383 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Tgt Ion	128	Resp	107307
Ion Ratio	100	Lower	Upper
129	11.0	9.4	14.2
127	13.1	11.4	17.2





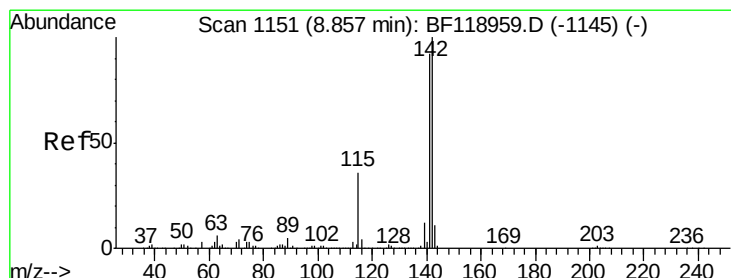
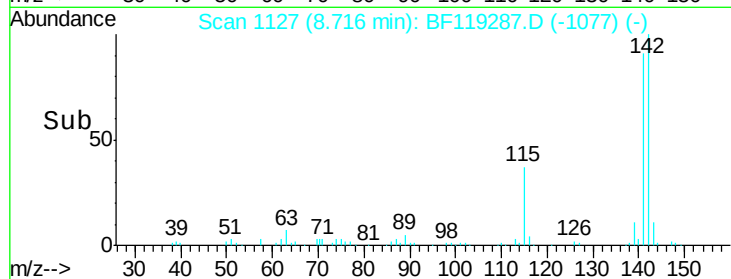
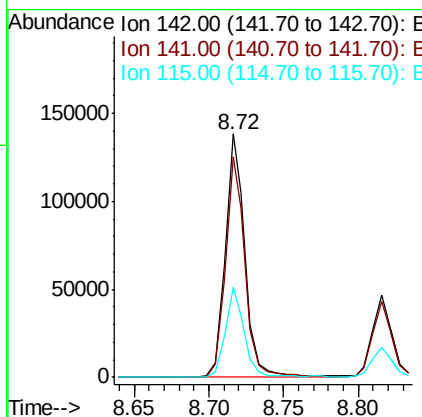
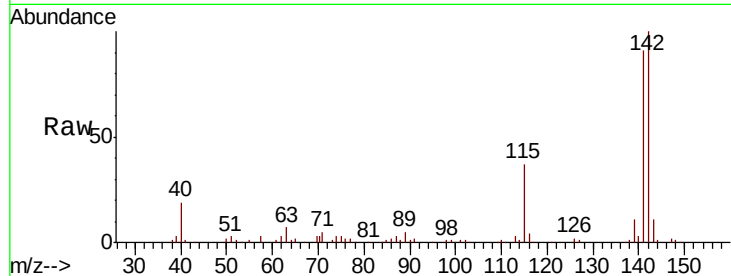
#37
2-Methylnaphthalene
Concen: 7.841 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Instrument :
BNA_F
ClientSampleId :
S1

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.3	108.5
115	36.9	30.6	45.8

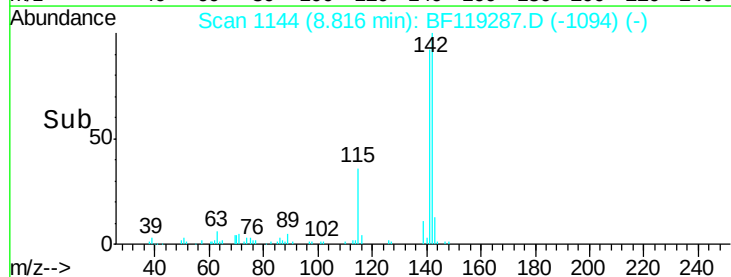
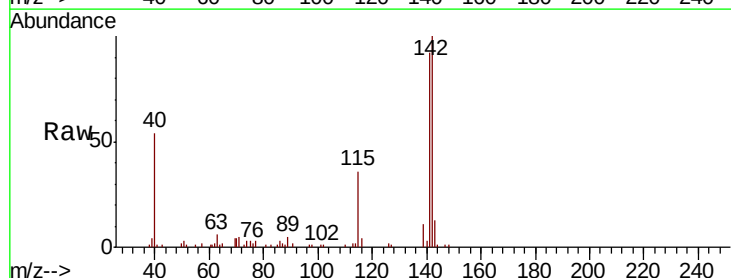
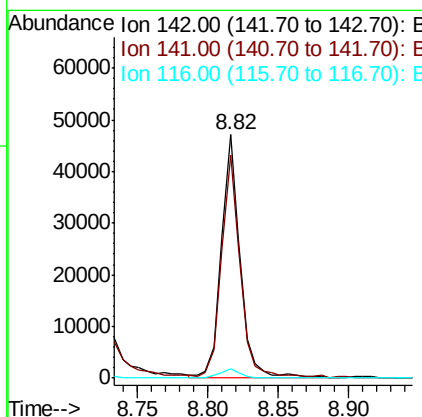
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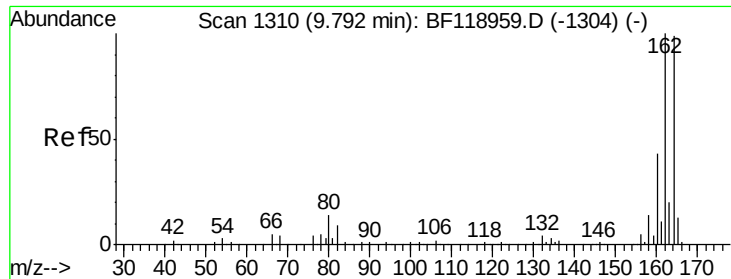
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#38
1-Methylnaphthalene
Concen: 2.826 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.6	75.8	113.6
116	3.7	3.1	4.7





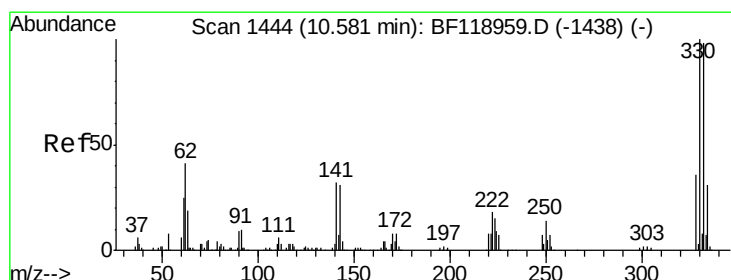
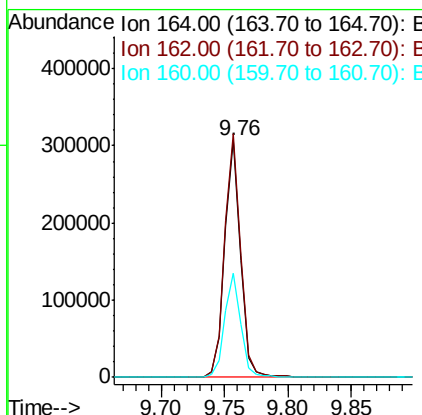
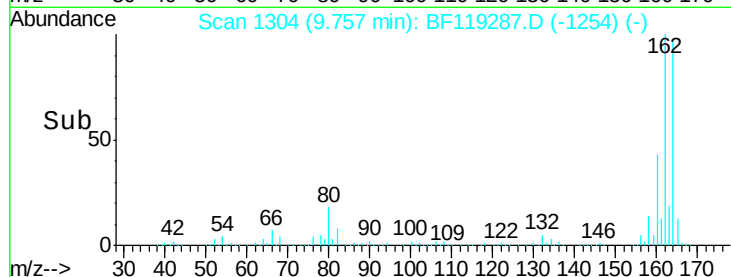
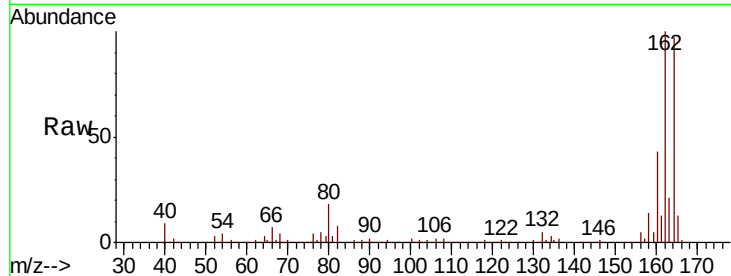
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Instrument :
BNA_F
ClientSampleId :
S1

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.8
160	43.9	36.0	54.0

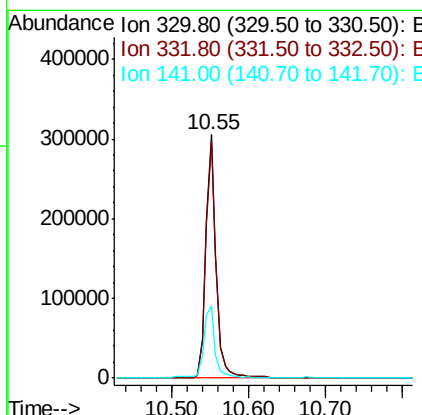
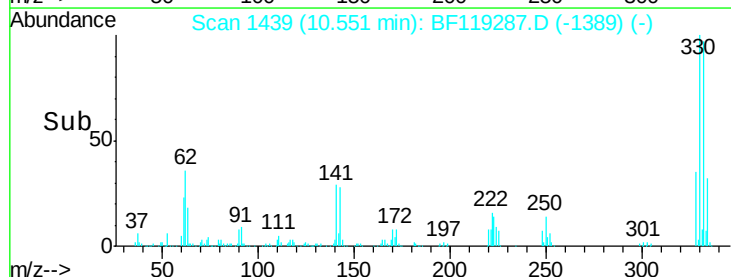
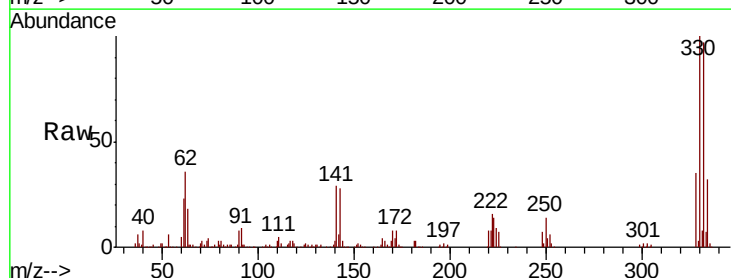
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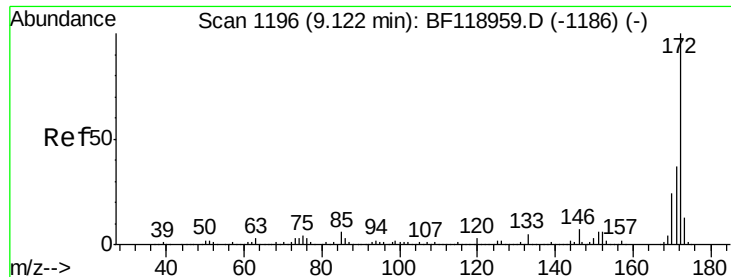
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#42
2,4,6-Tribromophenol
Concen: 80.872 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.0	114.0
141	31.6	22.9	34.3





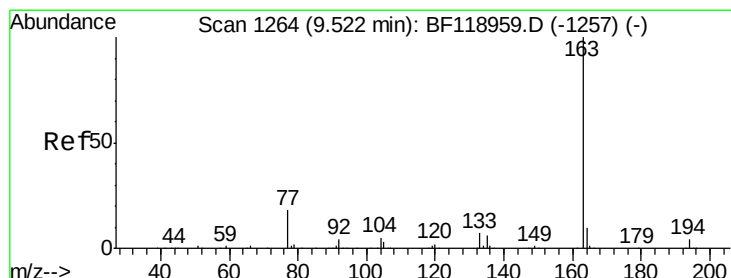
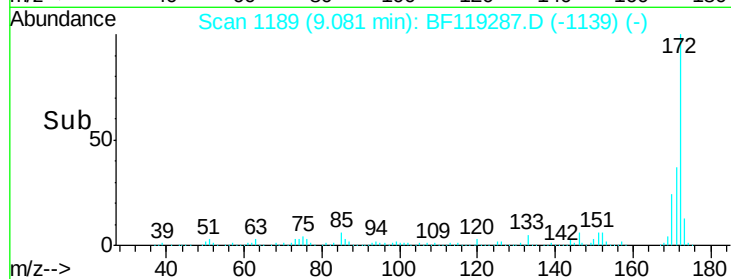
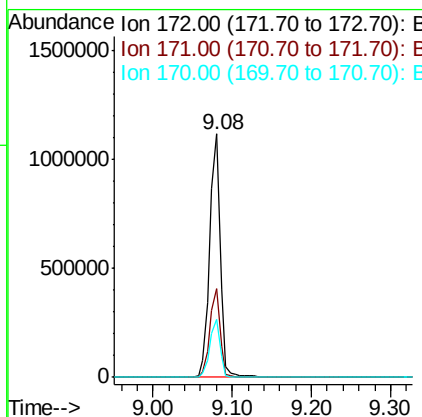
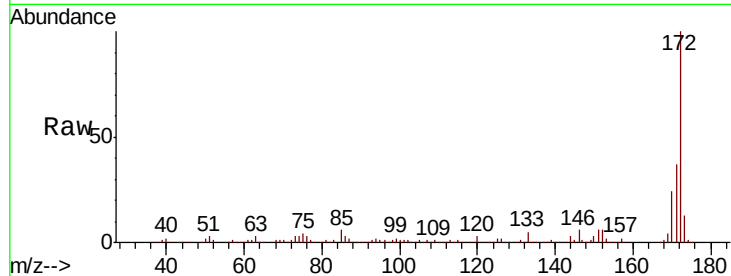
#45
2-Fluorobiphenyl
Concen: 57.172 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Instrument :
BNA_F
ClientSampled :
S1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.6	45.8
170	23.9	20.2	30.2

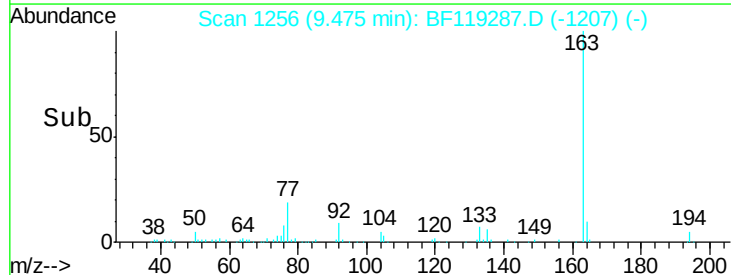
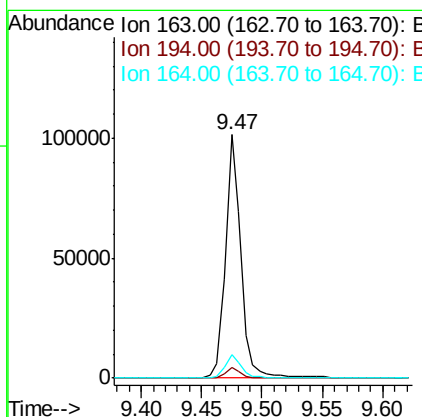
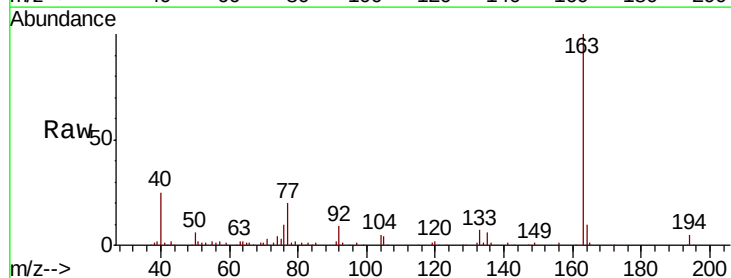
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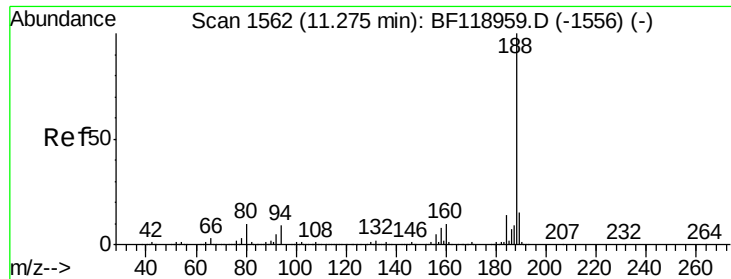
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#50
Dimethylphthalate
Concen: 4.340 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	9.6	8.4	12.6





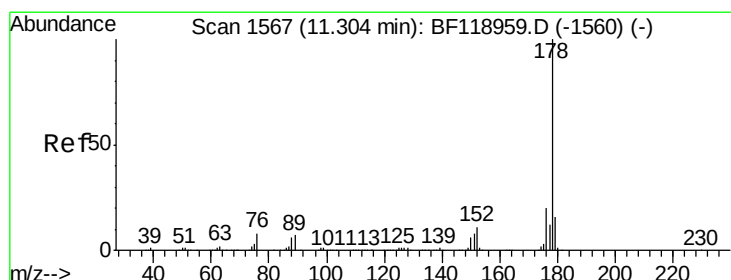
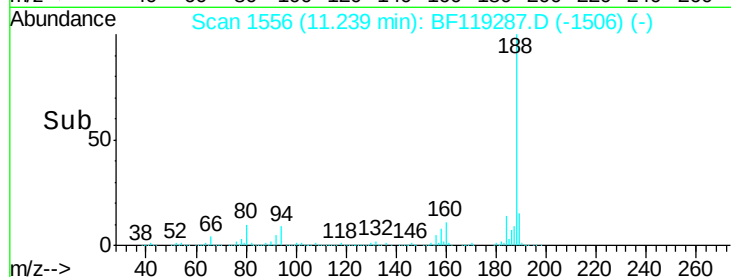
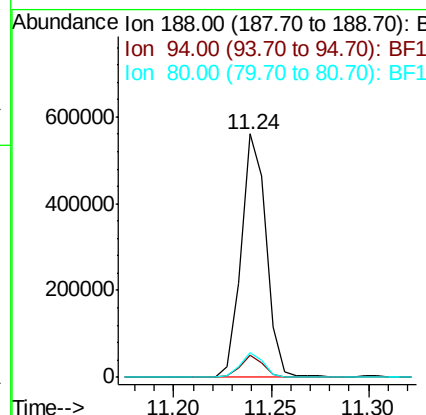
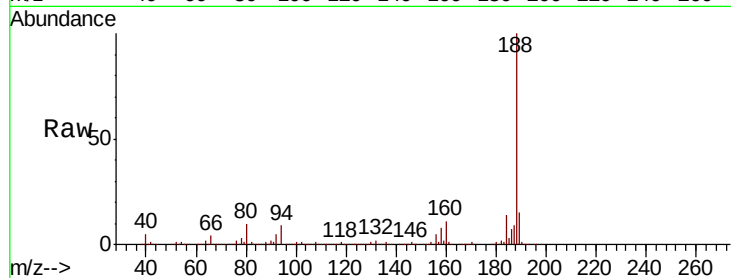
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Instrument :
BNA_F
ClientSampleId :
S1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	497389		
94	8.9		7.1	10.7
80	10.0		7.8	11.8

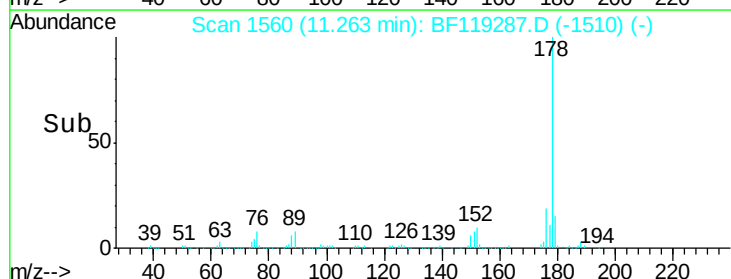
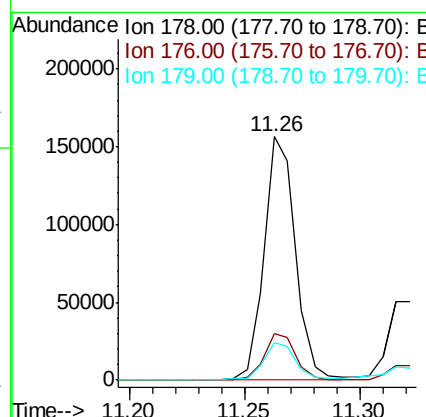
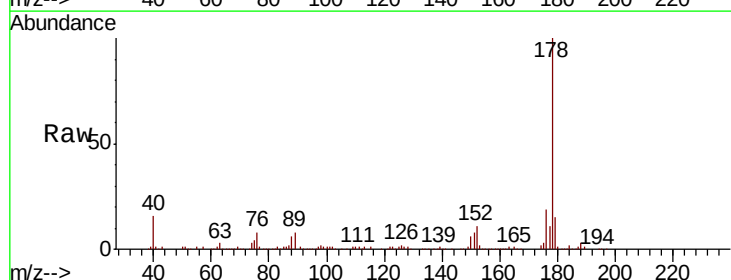
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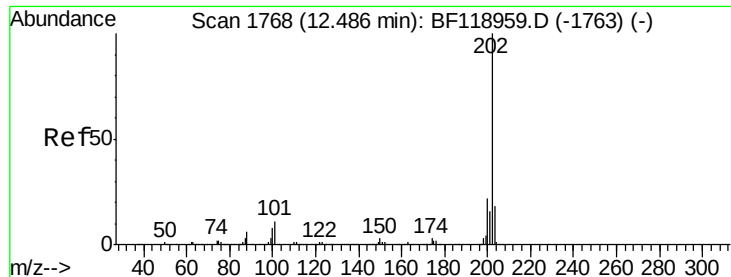
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#71
Phenanthrene
Concen: 5.446 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	147720		
176	19.0		16.5	24.7
179	15.4		13.0	19.6





#75

Fluoranthene

Concen: 10.141 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Instrument :

BNA_F

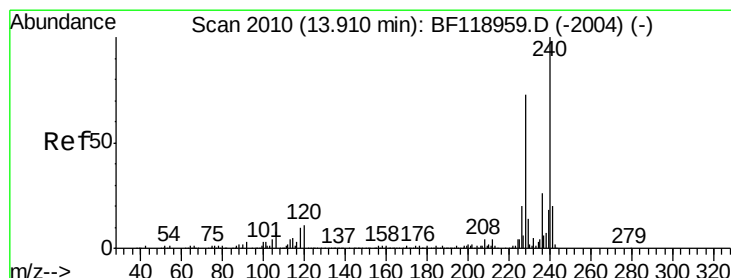
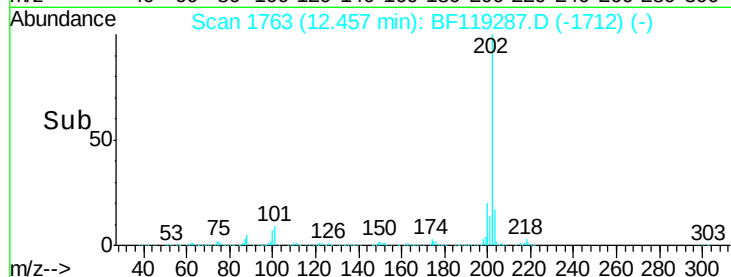
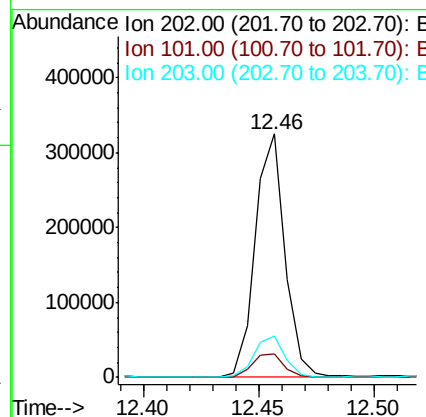
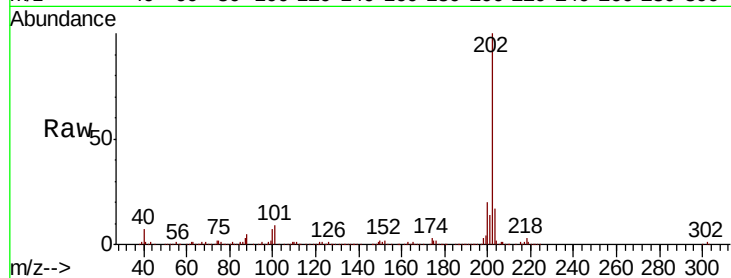
ClientSampled :

S1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		291981		
101	9.4	0.0	30.3		
203	16.8	0.0	38.4		

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#76

Chrysene-d12

Concen: 20.000 ng

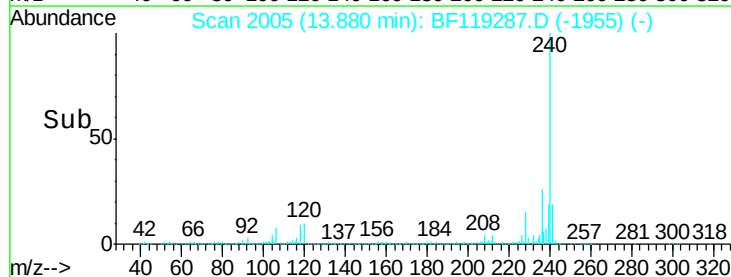
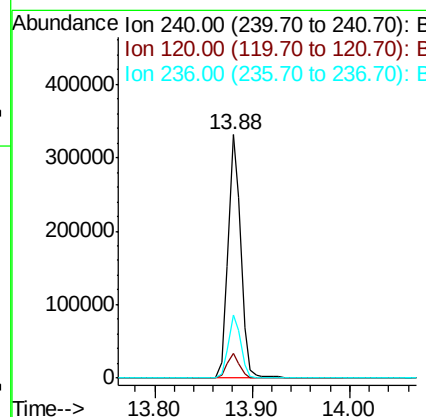
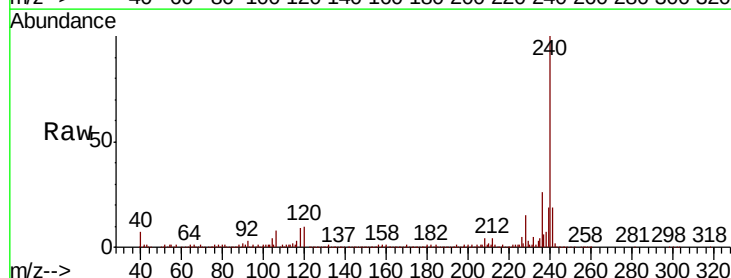
RT: 13.88 min Scan# 2005

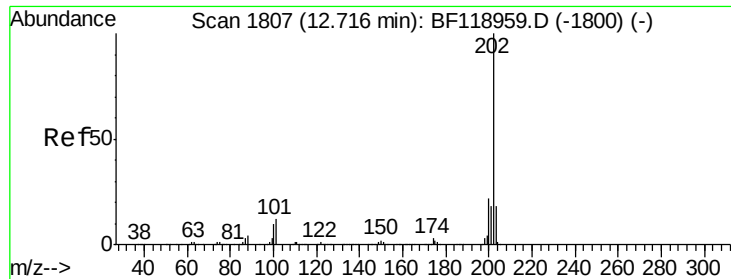
Delta R.T. -0.01 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		300629		
120	10.2	8.4	12.6		
236	26.0	21.0	31.4		





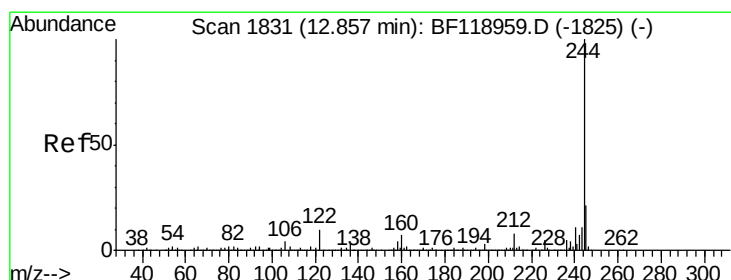
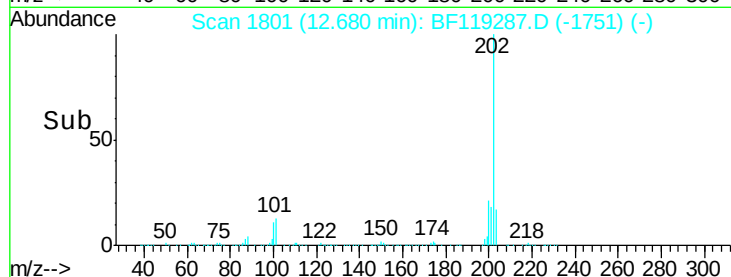
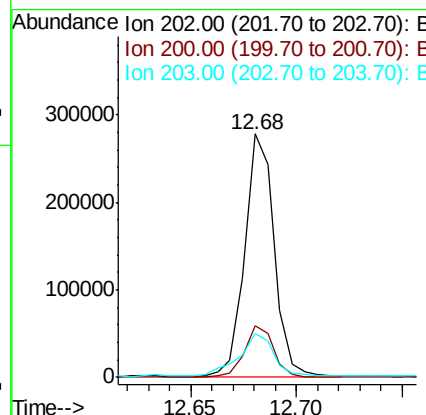
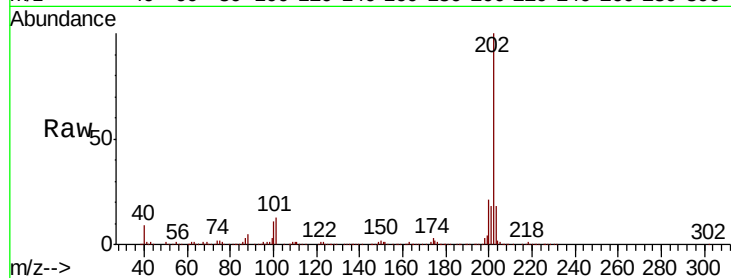
#78
Pvrene
Concen: 11.079 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Instrument :
BNA_F
ClientSampleId :
S1

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.0	27.0
203	17.9	14.6	22.0

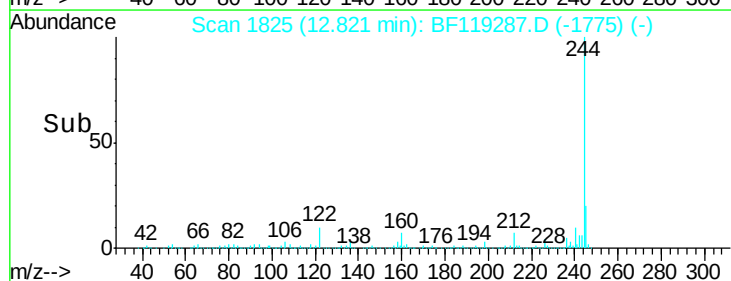
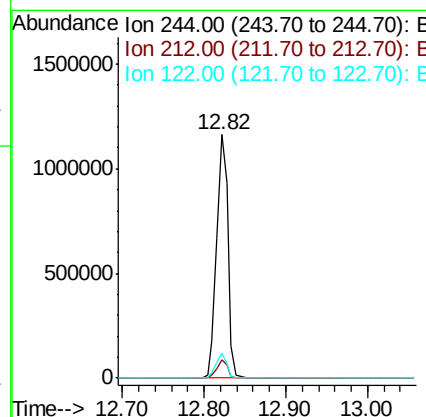
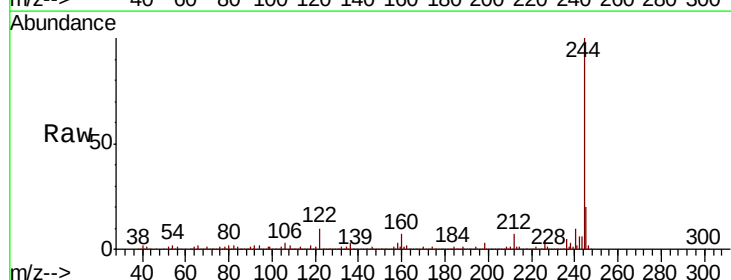
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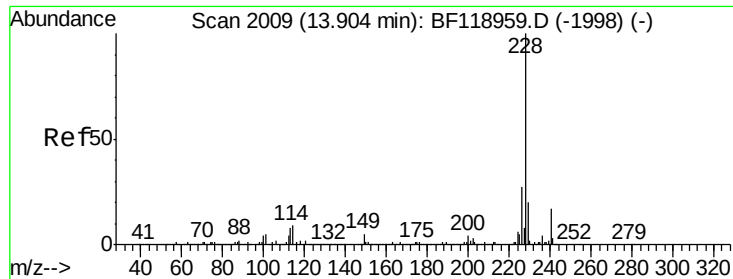
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#79
Terphenyl-d14
Concen: 63.708 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.6	10.0
122	10.1	8.2	12.2





#81

Benzo(a)anthracene

Concen: 6.504 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Instrument :

BNA_F

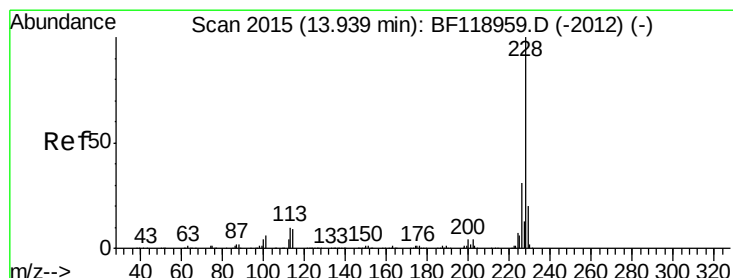
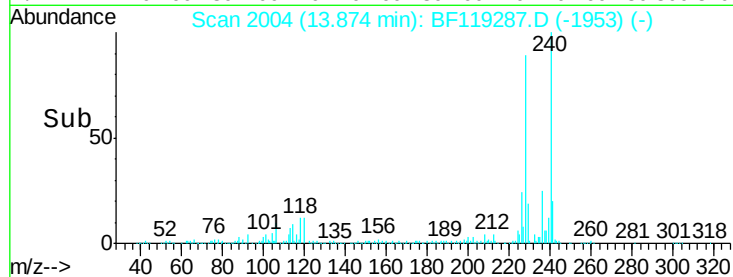
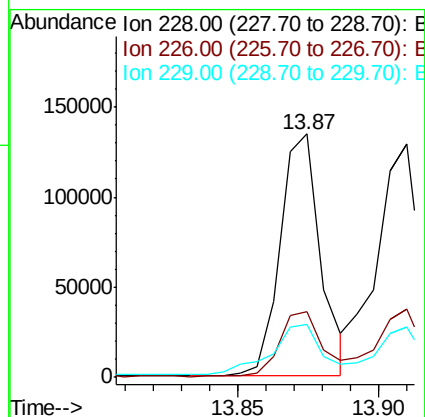
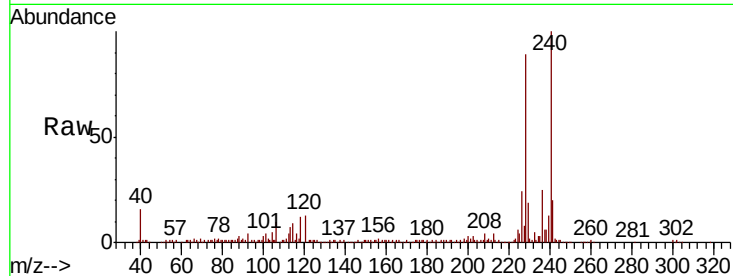
ClientSampleId :

S1

Tot Ion:	228	Resp:	133222
Ion Ratio	Lower	Upper	
228	100		
226	27.2	22.6	33.8
229	21.8	16.6	24.8

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#83

Chrysene

Concen: 6.934 ng

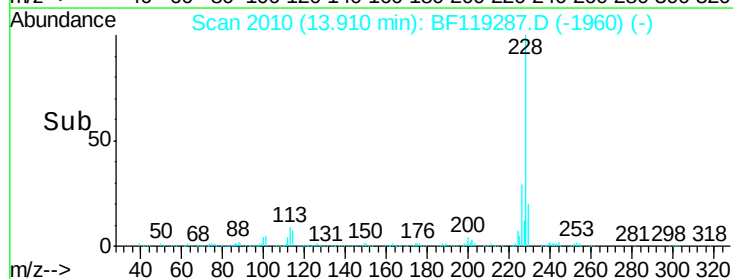
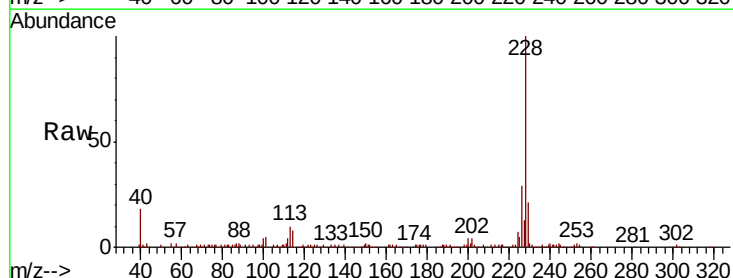
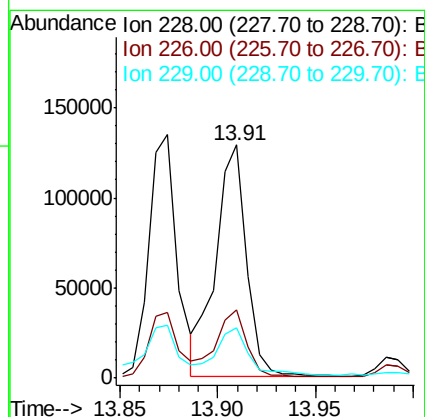
RT: 13.91 min Scan# 2010

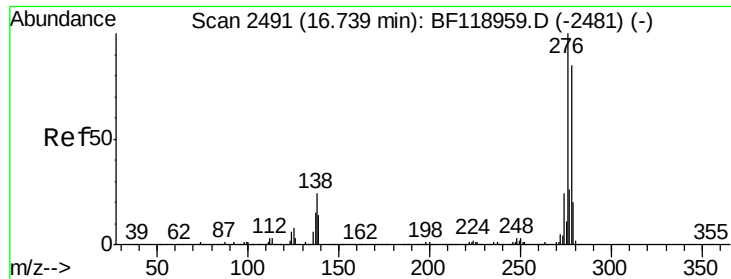
Delta R.T. -0.01 min

Lab File: BF119287.D

Acq: 9 Mar 2020 15:06

Tgt Ion:	228	Resp:	141521
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.1	37.7
229	21.4	16.3	24.5





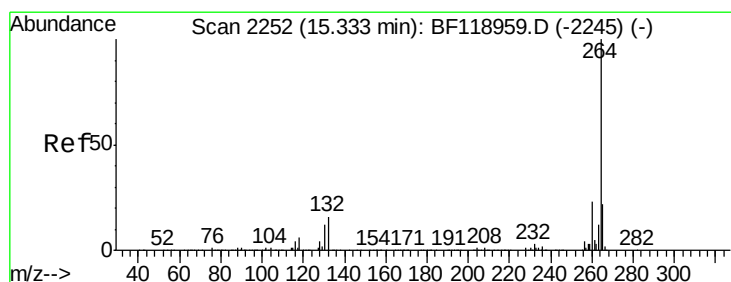
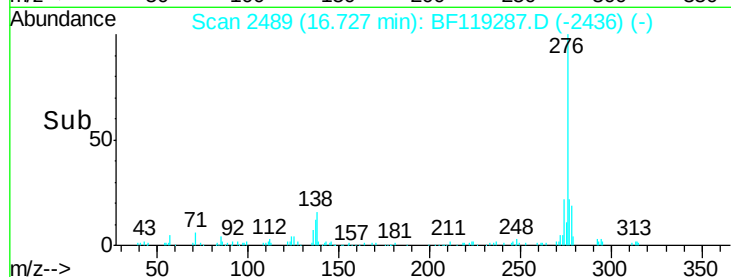
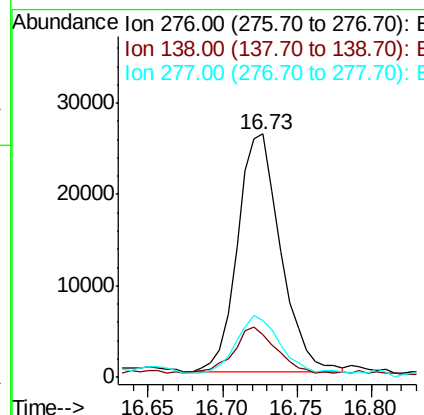
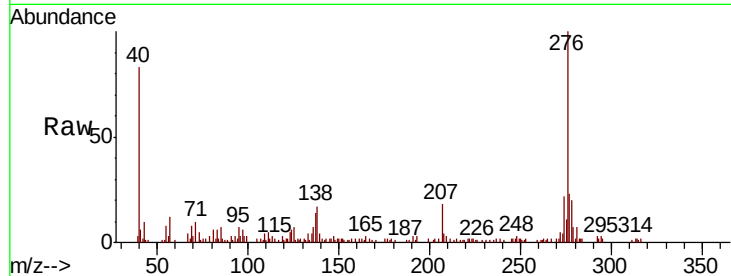
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.659 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Instrument :
BNA_F
ClientSampled :
S1

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	17.4	26.0
277	24.3	20.3	30.5

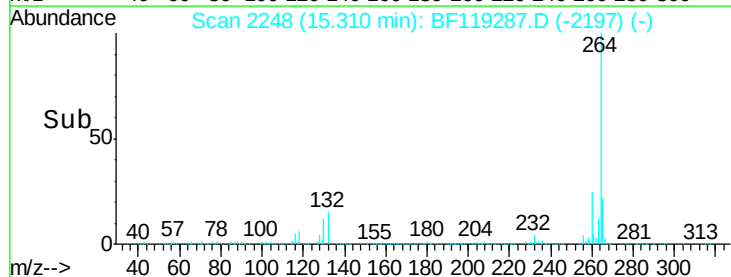
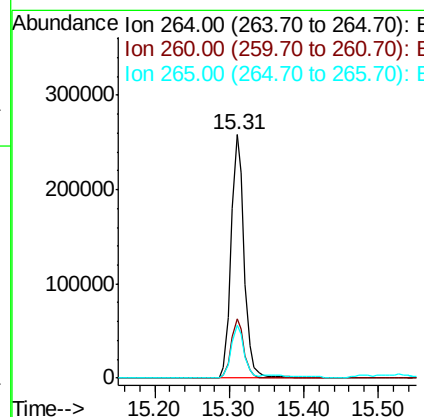
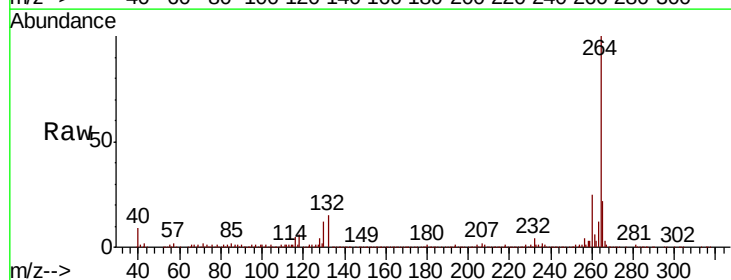
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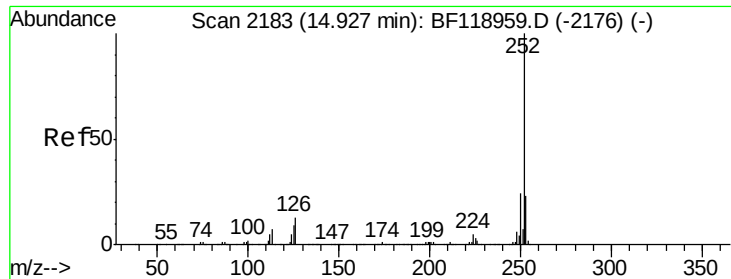
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.00 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	21.9	17.7	26.5





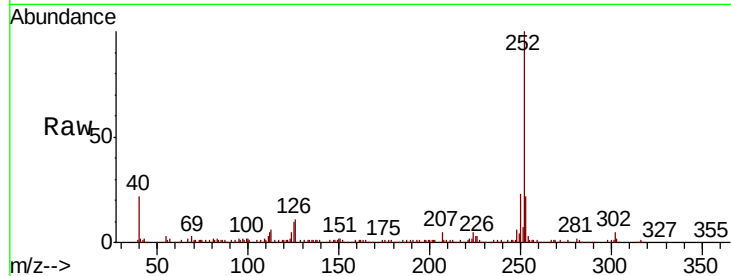
#88
Benzo(b)fluoranthene
Concen: 6.864 ng m
RT: 14.90 min Scan# 2179
Delta R.T. 0.00 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Instrument :
BNA_F
ClientSampleId :
S1

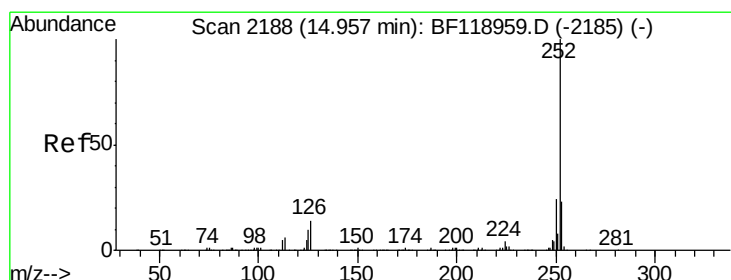
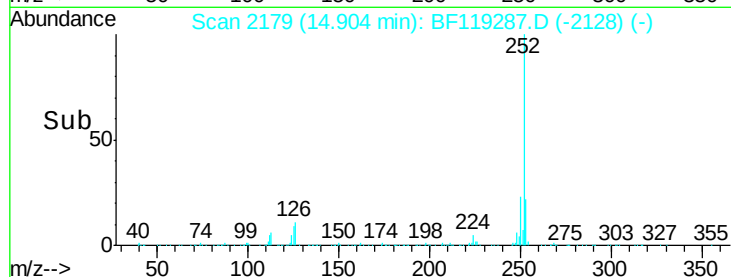
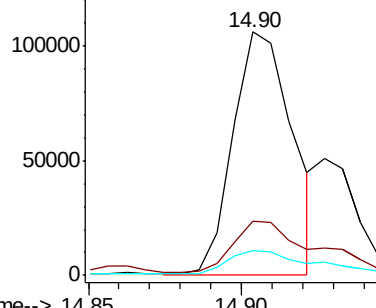
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	10.0	7.4	11.0

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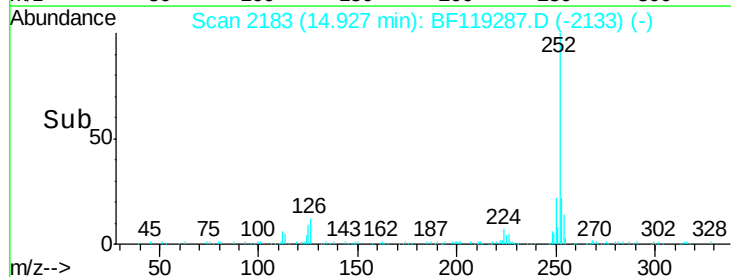
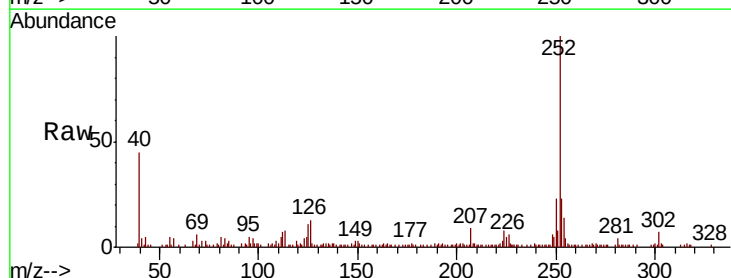
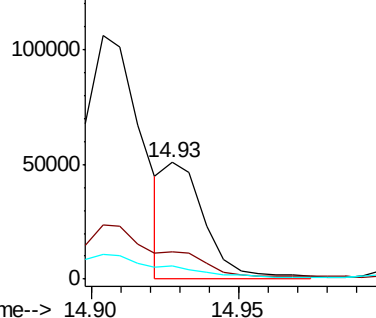
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

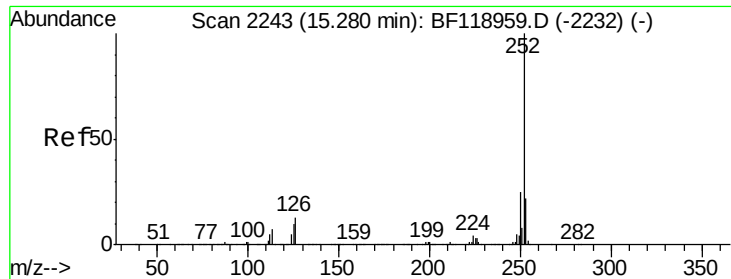


#89
Benzo(k)fluoranthene
Concen: 2.522 ng m
RT: 14.93 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	11.2	7.5	11.3

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





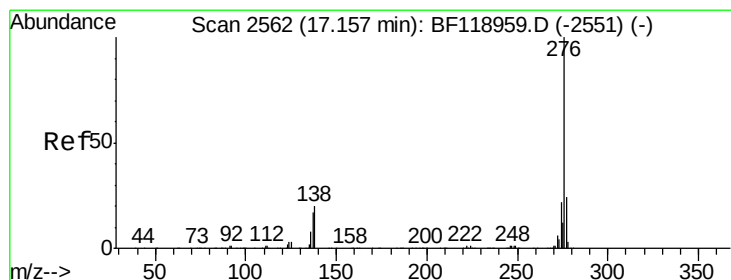
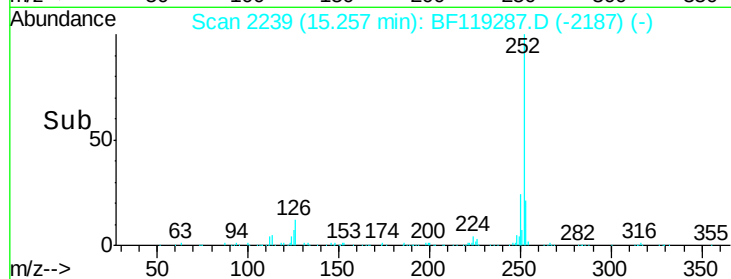
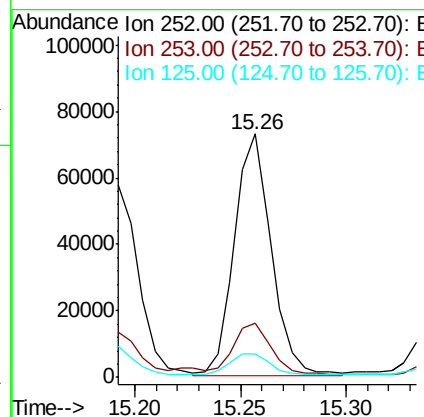
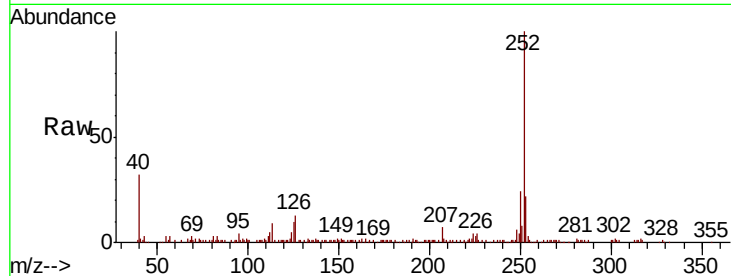
#90
Benzo(a)pyrene
Concen: 4.583 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Instrument :
BNA_F
ClientSampled :
S1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	9.7	8.6	12.8

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#92
Benzo(g,h,i)perylene
Concen: 3.194 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.01 min
Lab File: BF119287.D
Acq: 9 Mar 2020 15:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.7	28.1
138	20.9	14.3	21.5

