

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
 Data File : BF116495.D
 Acq On : 23 Aug 2019 23:29
 Operator : HP/JU
 Sample : K4386-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T6-A1-A4-(0-2)

Manual Integrations
 APPROVED

Jagrut
 8/28/2019 8:10:51 AM

Quant Time: Aug 24 04:35:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	109275	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	398956	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	177315	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	256650	20.00	ng	0.00
76) Chrysene-d12	14.03	240	200153	20.00	ng	0.00
87) Perylene-d12	15.49	264	254118	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	530008	70.87	ng	0.00
7) Phenol-d6	6.50	99	694860	75.78	ng	0.00
23) Nitrobenzene-d5	7.44	82	431352	59.15	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	108134	71.02	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	608718	55.28	ng	0.00
79) Terphenyl-d14	12.97	244	460625	42.99	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.62	163	28183	2.278	ng	99
71) Phenanthrene	11.42	178	107881	7.716	ng	99
75) Fluoranthene	12.60	202	165800	11.470	ng	99
78) Pyrene	12.83	202	157196	9.821	ng	99
81) Benzo(a)anthracene	14.02	228	87148	6.723	ng	96
83) Chrysene	14.05	228	75495	5.746	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	60347	5.362	ng	97
88) Benzo(b)fluoranthene	15.06	252	106815m	6.804	ng	
89) Benzo(k)fluoranthene	15.09	252	37111m	2.609	ng	
90) Benzo(a)pyrene	15.43	252	84069	6.059	ng	97
92) Benzo(g,h,i)perylene	17.39	276	58862	5.416	ng	96

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

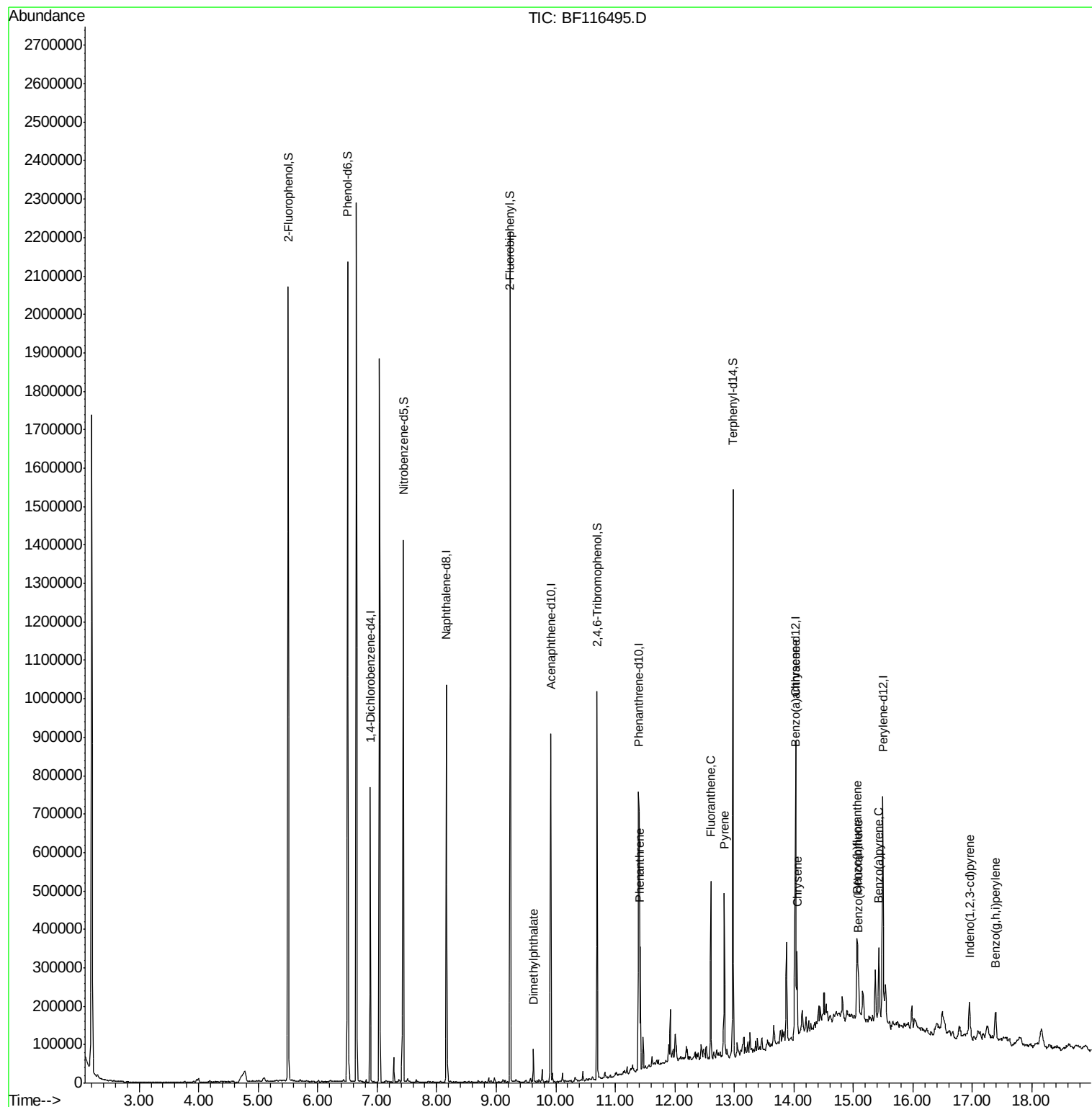
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116495.D
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Misc :
ALS Vial : 17 Sample Multiplier: 1

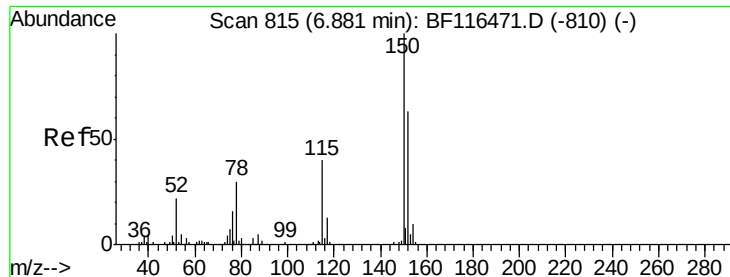
Instrument :
BNA_F
ClientSampleId :
T6-A1-A4-(0-2)

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#1

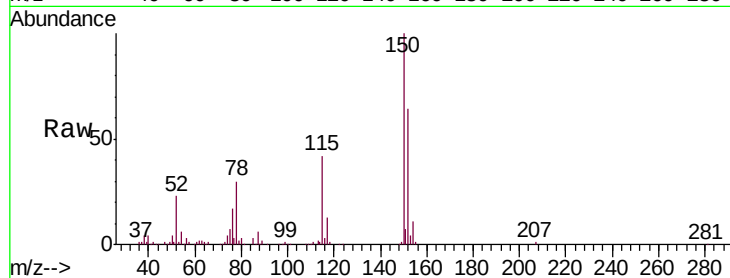
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

Instrument :
BNA_F
ClientSampleId :
T6-A1-A4-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.7	190.1
115	65.7	50.9	76.3

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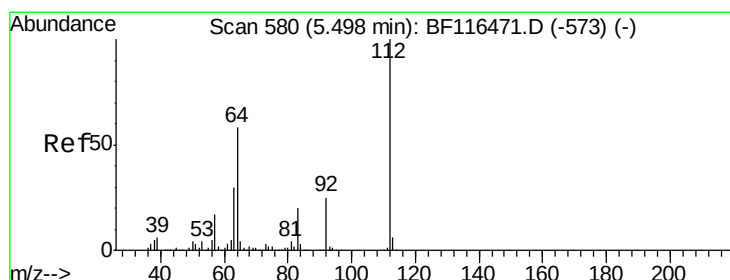
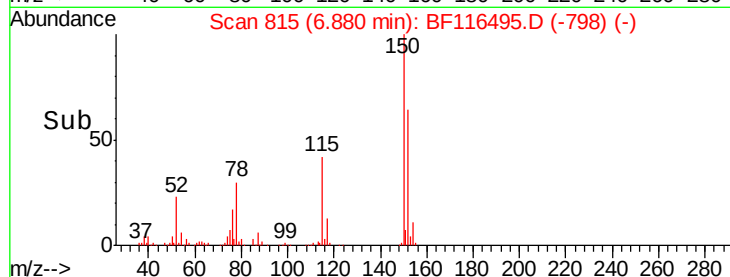
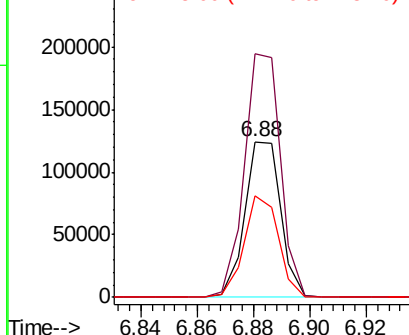


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

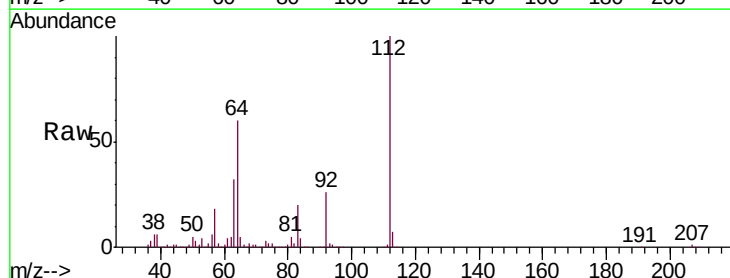
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 70.869 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	46.3	69.5
63	31.5	24.2	36.4

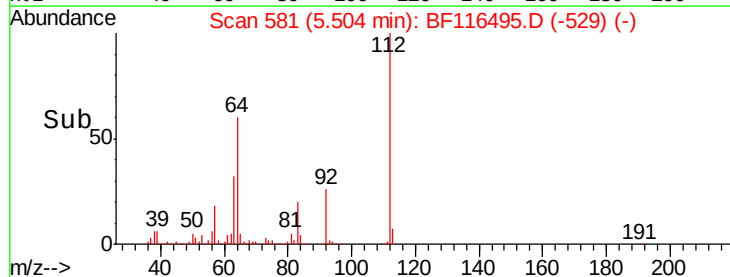
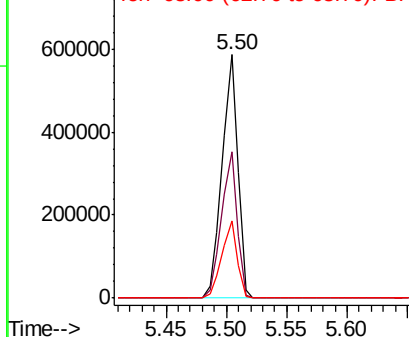


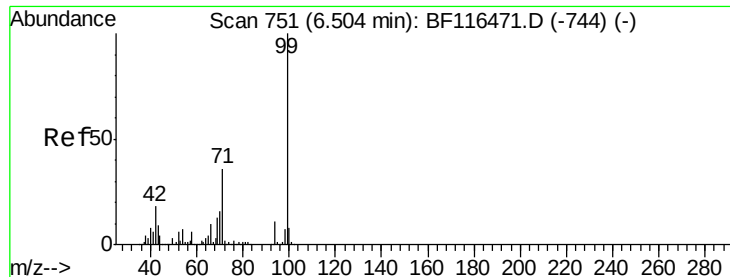
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 75.775 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Instrument :

BNA_F

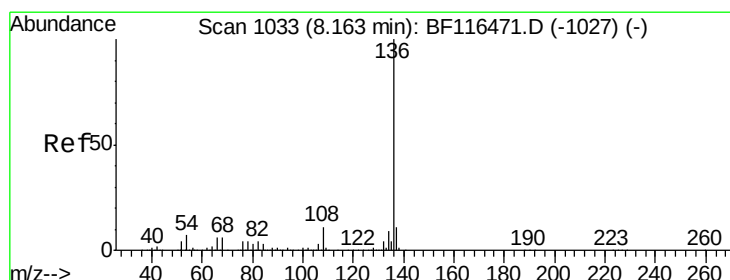
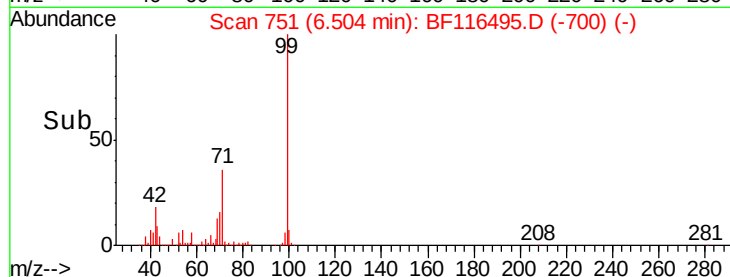
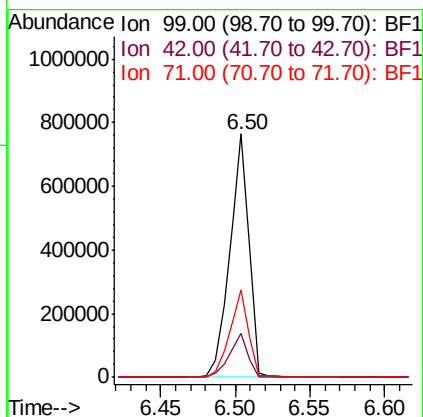
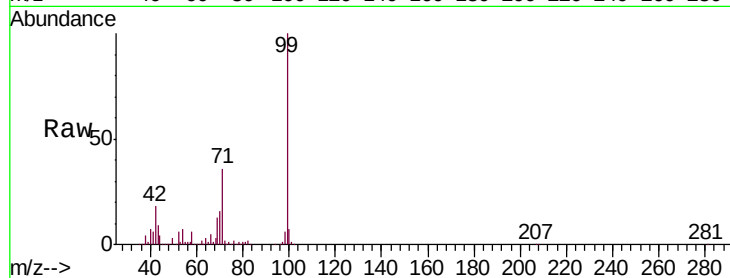
ClientSampleId :

T6-A1-A4-(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		694860		
42	18.1	14.6	21.8		
71	36.0	28.5	42.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

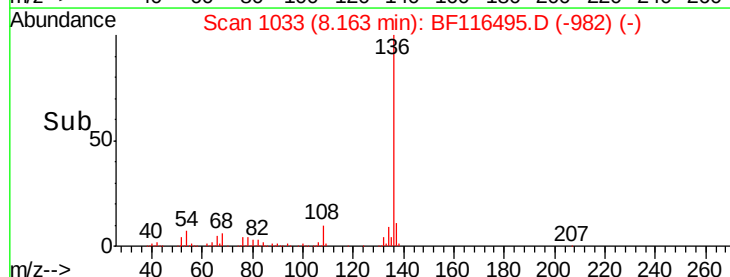
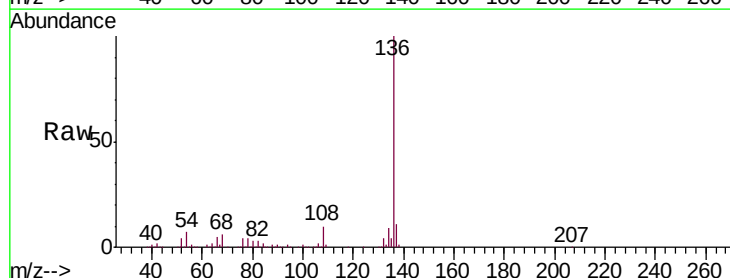
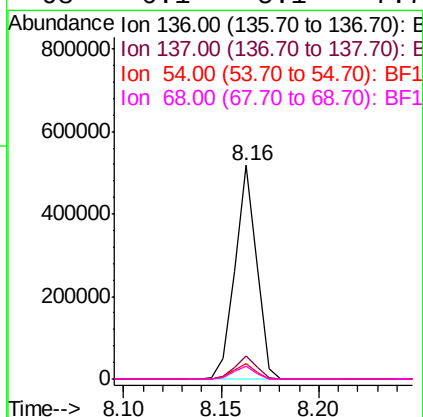
RT: 8.16 min Scan# 1033

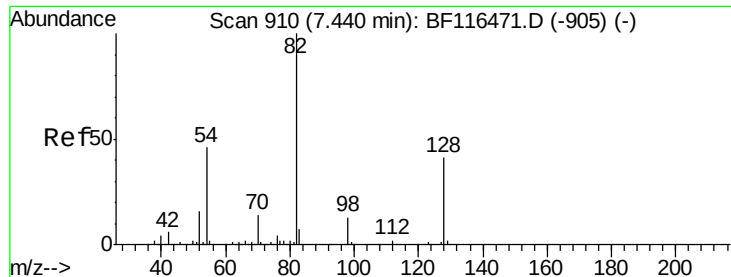
Delta R.T. -0.00 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		398956		
137	10.7	9.0	13.4		
54	7.1	5.8	8.6		
68	6.1	5.1	7.7		





#23

Nitrobenzene-d5

Concen: 59.153 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Instrument :

BNA_F

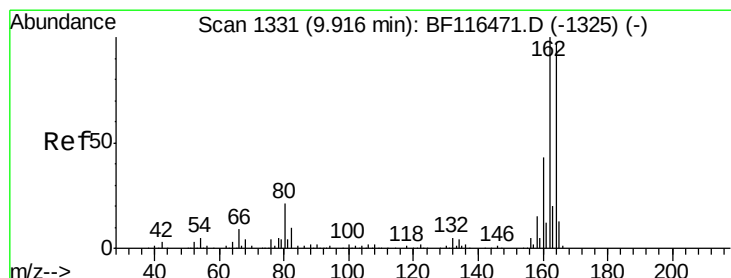
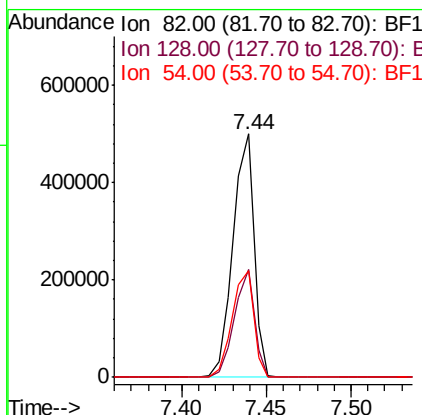
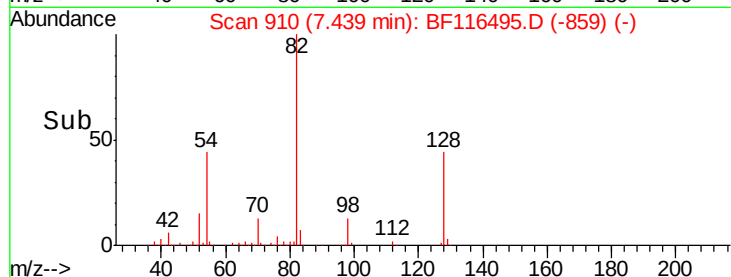
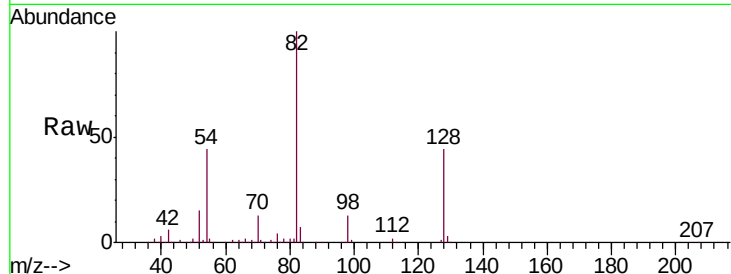
ClientSampleId :

T6-A1-A4-(0-2)

Tot Ion	82	Resp	431352
Ion Ratio	Lower	Upper	
82	100		
128	44.1	32.2	48.4
54	43.9	36.5	54.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

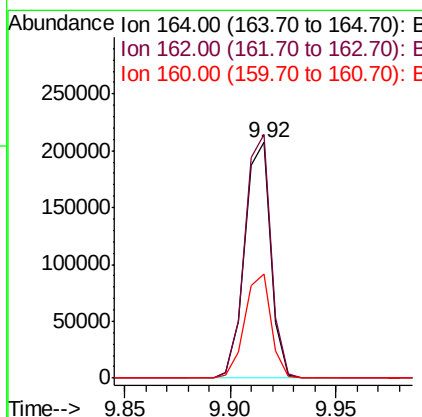
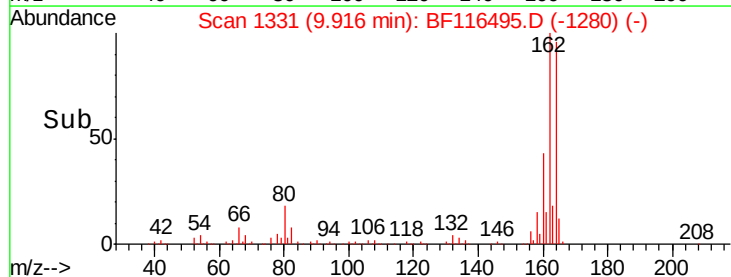
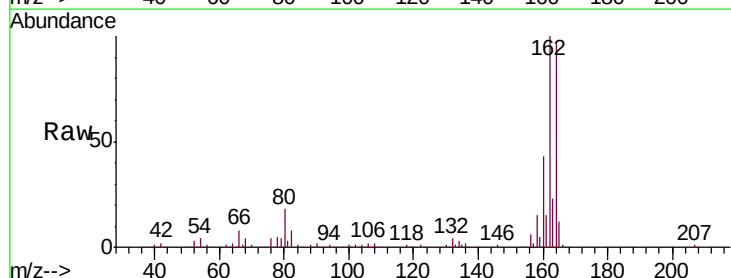
RT: 9.92 min Scan# 1331

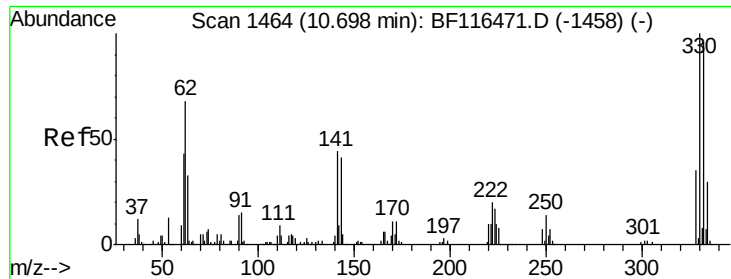
Delta R.T. -0.00 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Tgt Ion	164	Resp	177315
Ion Ratio	Lower	Upper	
164	100		
162	103.3	82.6	123.8
160	44.3	35.8	53.8





#42

2,4,6-Tribromophenol

Concen: 71.021 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Instrument :

BNA_F

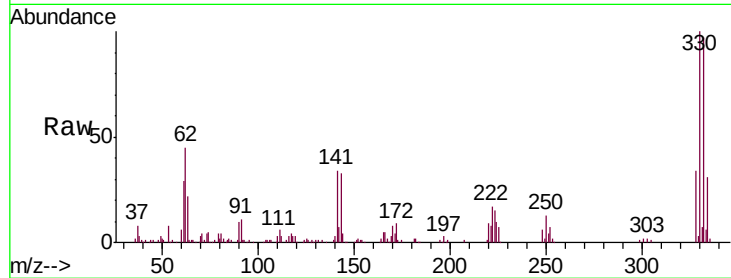
ClientSampleId :

T6-A1-A4-(0-2)

Tot Ion:	330	Resp:	108134
Ion Ratio	Lower	Upper	
330	100		
332	96.6	77.2	115.8
141	40.6	33.3	49.9

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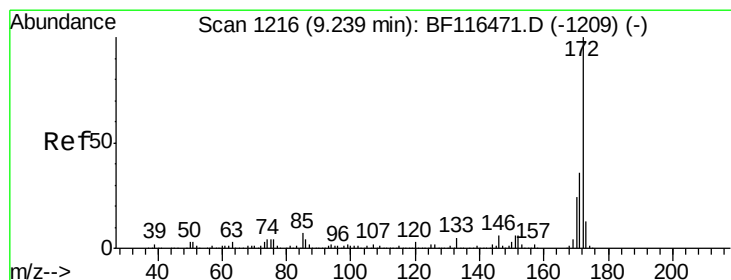
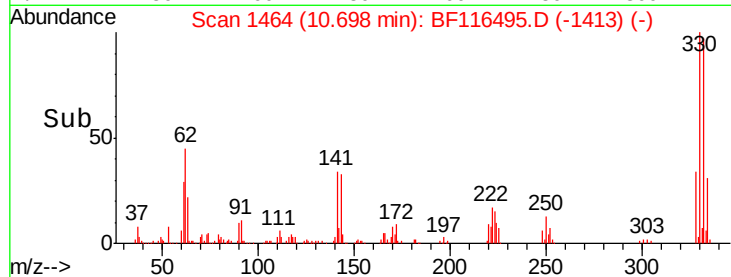
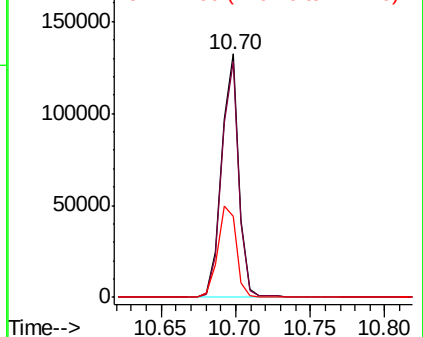


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 55.285 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

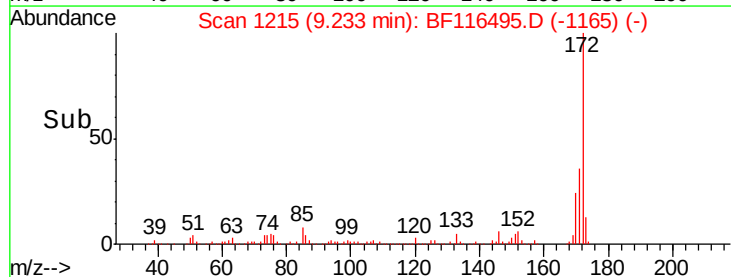
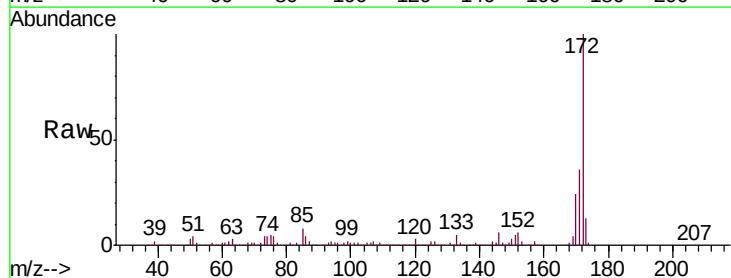
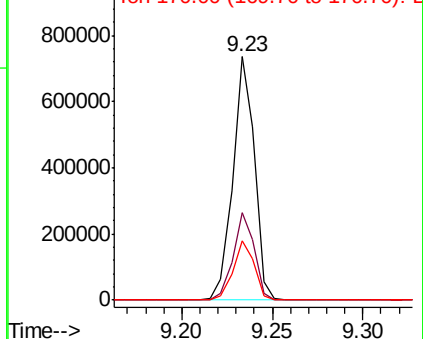
Tgt Ion:	172	Resp:	608718
Ion Ratio	Lower	Upper	
172	100		
171	35.8	28.9	43.3
170	24.1	19.4	29.0

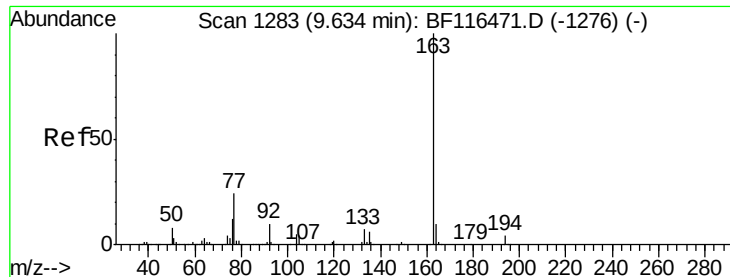
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





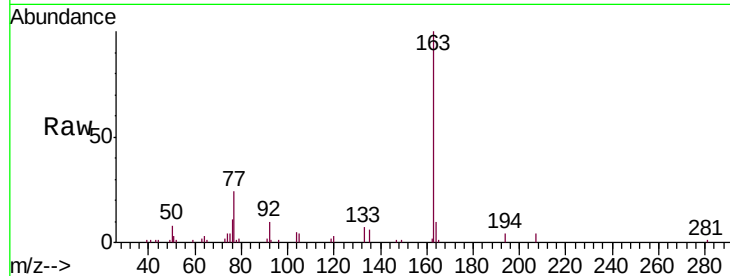
#50
Dimethylphthalate
Concen: 2.278 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

Instrument :
BNA_F
ClientSampleId :
T6-A1-A4-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	28183		
194	3.7		2.9	4.3
164	9.5		8.2	12.2

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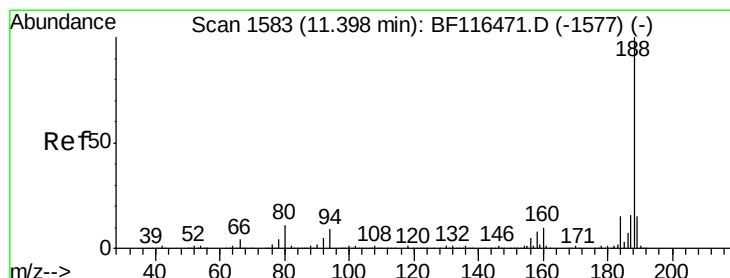
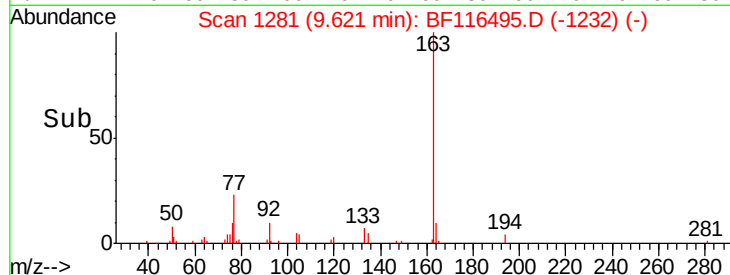
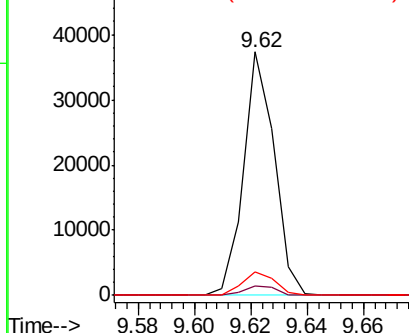


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

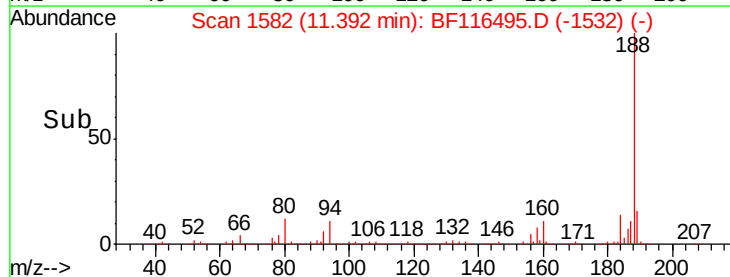
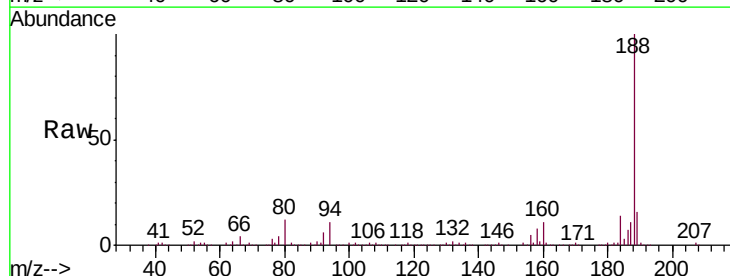
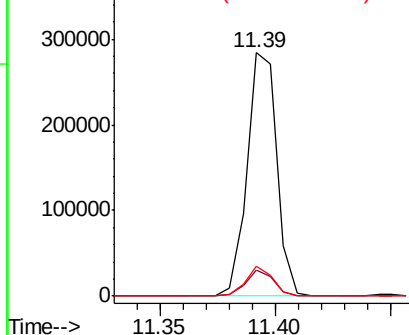
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	256650		
94	10.8		7.4	11.2
80	12.0		8.6	12.8

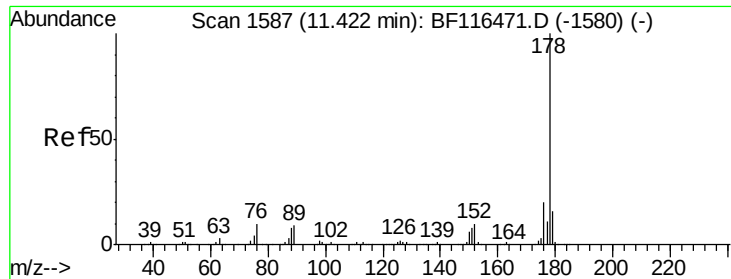
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 7.716 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Instrument :

BNA_F

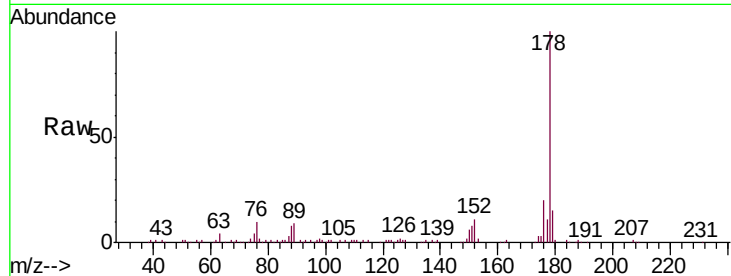
ClientSampleId :

T6-A1-A4-(0-2)

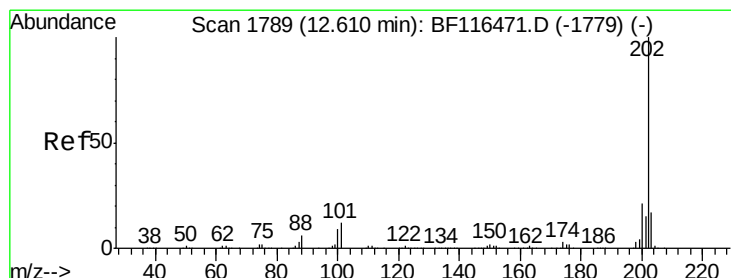
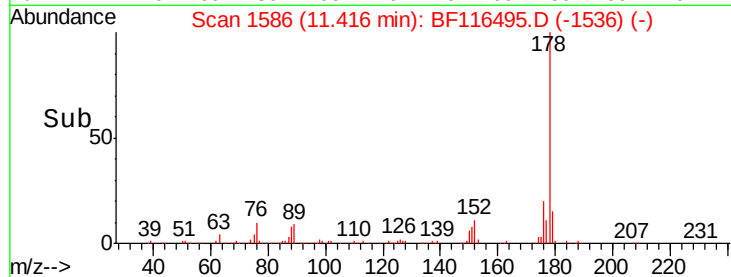
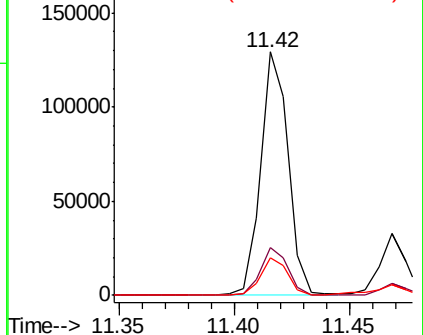
Tot Ion:	178	Resp:	107881
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.6
179	15.2	12.8	19.2

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 11.470 ng

RT: 12.60 min Scan# 1788

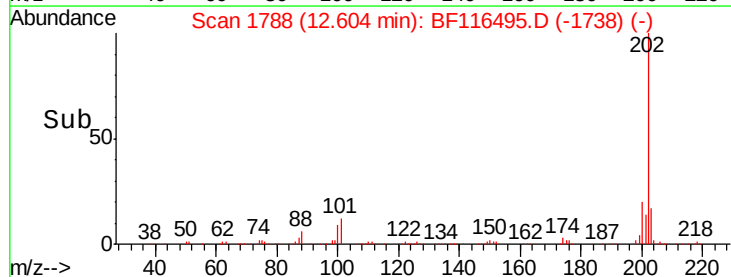
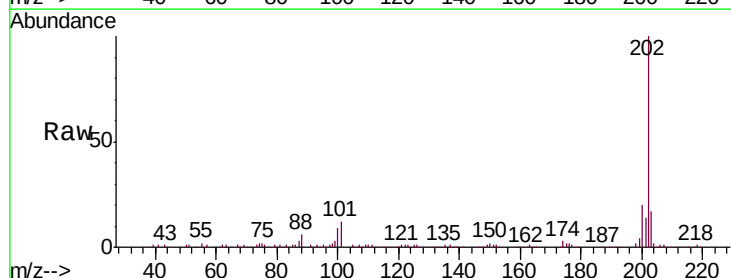
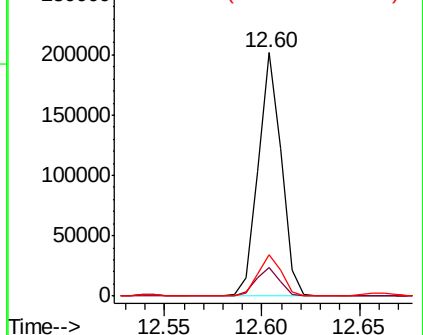
Delta R.T. -0.01 min

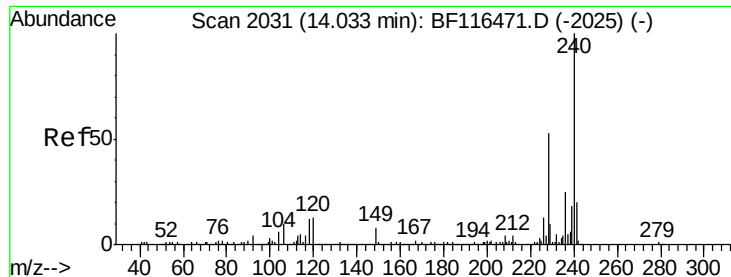
Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Tgt Ion:	202	Resp:	165800
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	31.5
203	17.1	0.0	37.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





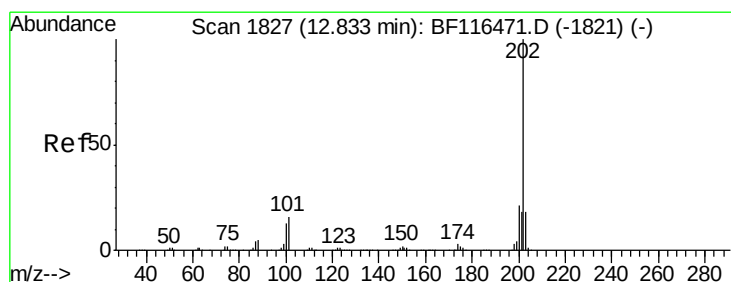
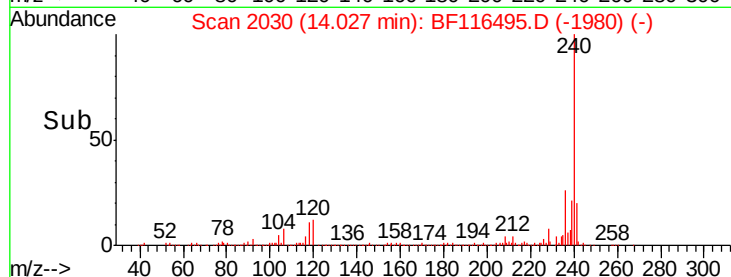
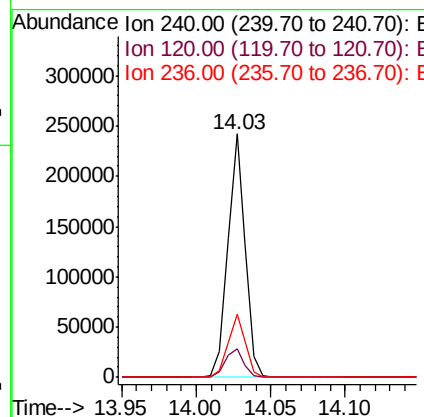
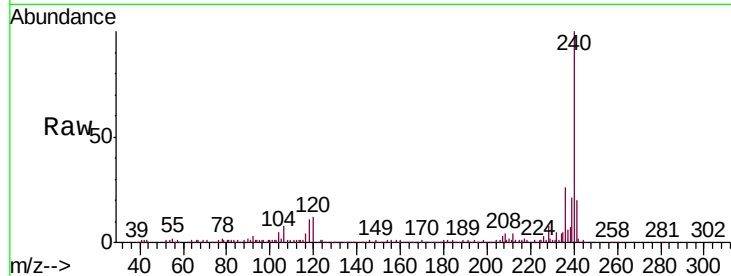
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

Instrument :
BNA_F
ClientSampleId :
T6-A1-A4-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	200153		
120	11.7		10.5	15.7
236	25.8		20.2	30.2

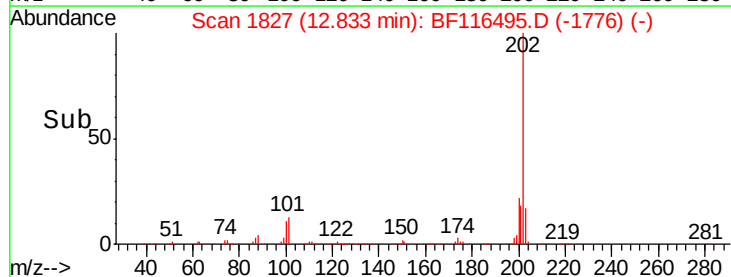
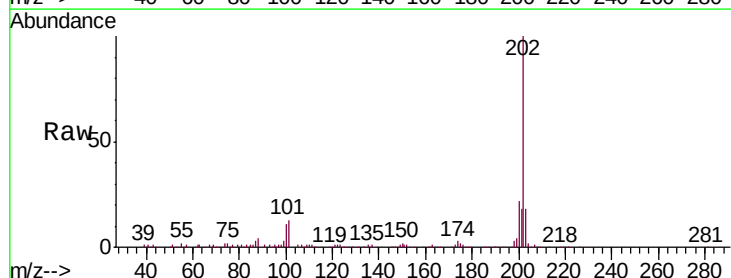
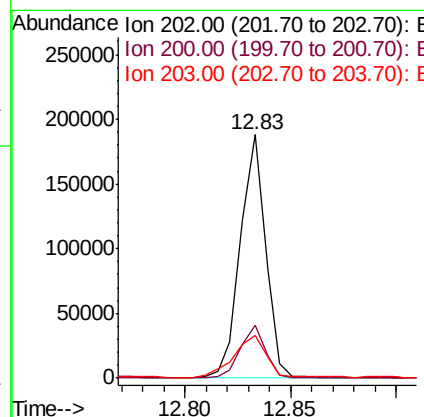
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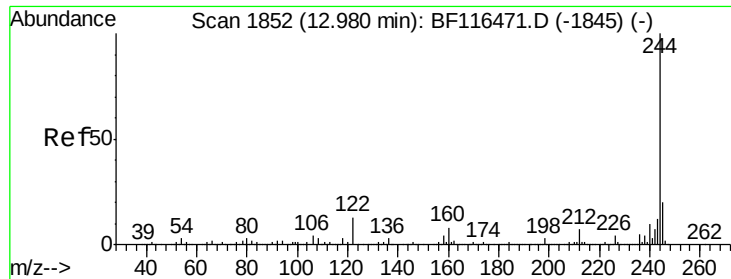
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#78
Pyrene
Concen: 9.821 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	157196		
200	21.6		17.0	25.4
203	17.6		14.2	21.4





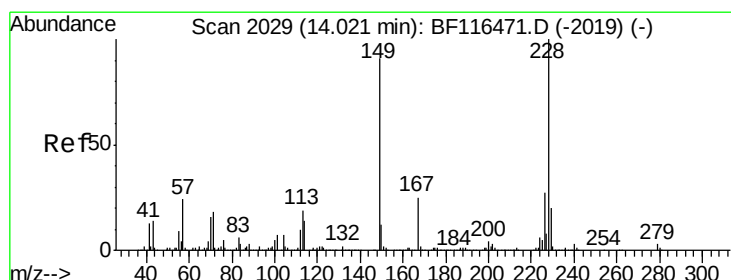
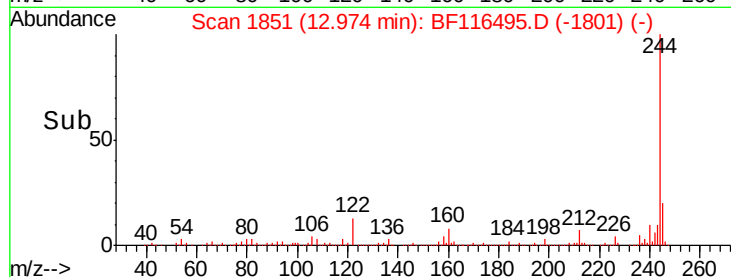
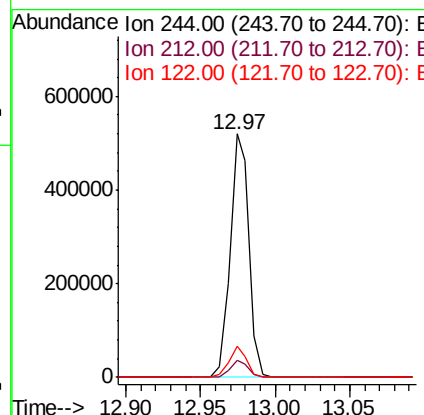
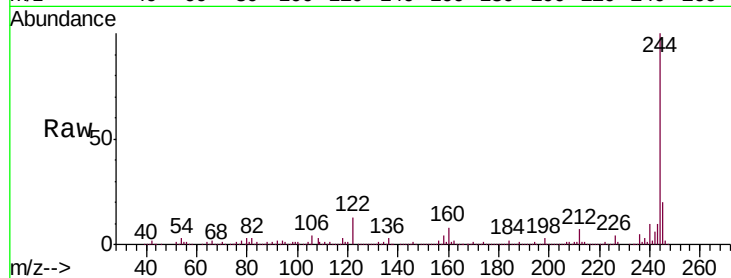
#79
 Terphenyl-d14
 Concen: 42.987 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF116495.D
 Acq: 23 Aug 2019 23:29

Instrument :
 BNA_F
 ClientSampleId :
 T6-A1-A4-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	5.7	8.5	
122	12.9	10.2	15.4	

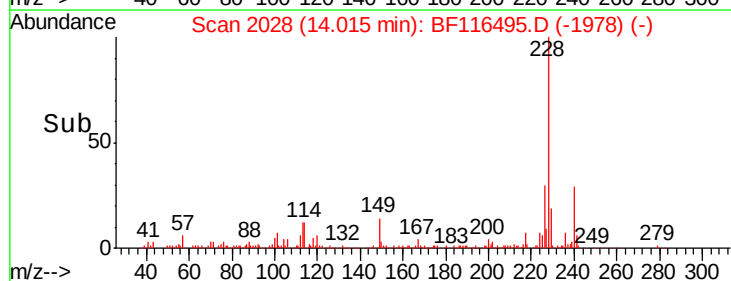
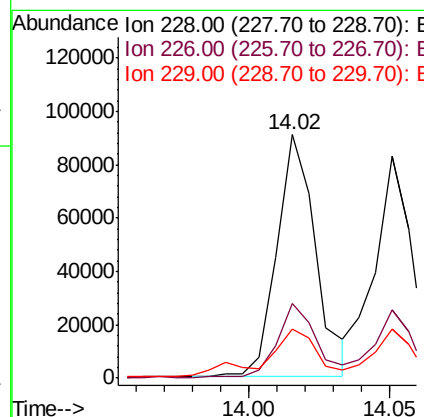
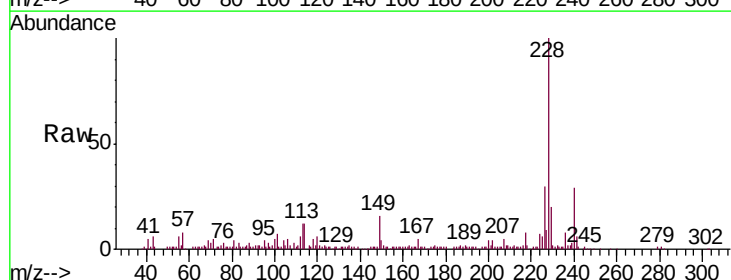
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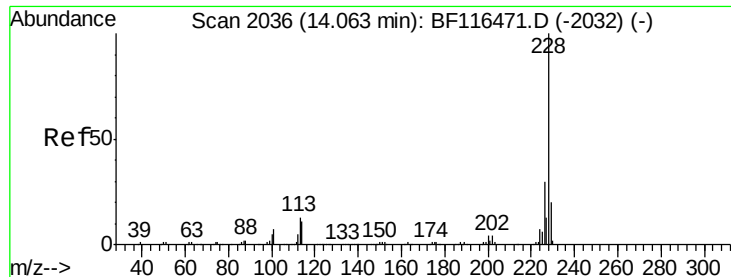
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#81
 Benzo(a)anthracene
 Concen: 6.723 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF116495.D
 Acq: 23 Aug 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.4	21.8	32.6	
229	20.0	15.9	23.9	





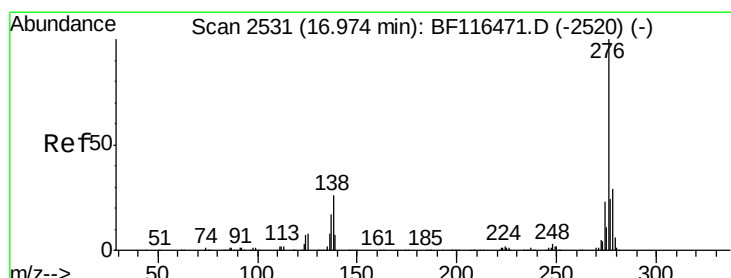
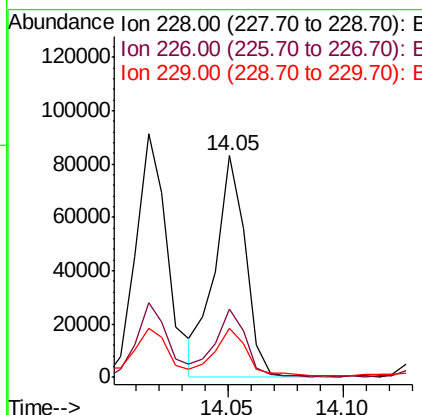
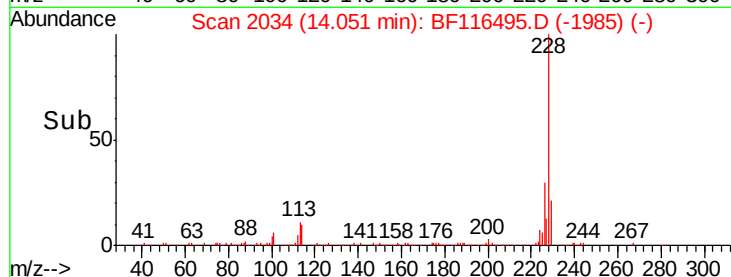
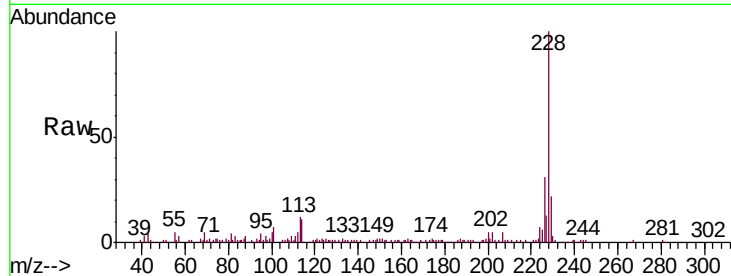
#83
Chrysene
Concen: 5.746 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

Instrument :
BNA_F
ClientSampleId :
T6-A1-A4-(0-2)

Tot Ion:228	Resp:	75495
Ion Ratio	Lower	Upper
228 100		
226 30.6	24.2	36.2
229 22.4	15.8	23.6

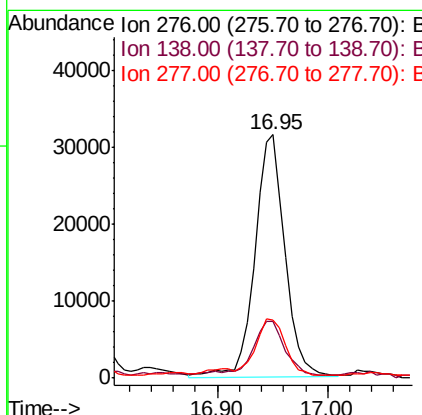
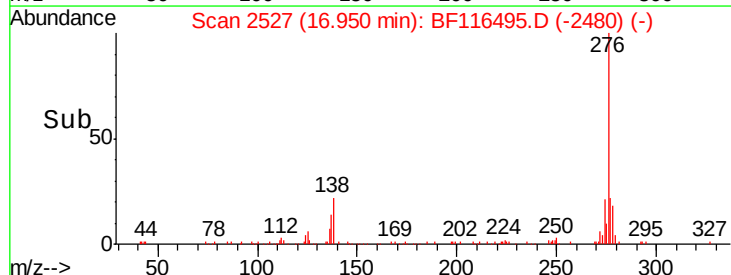
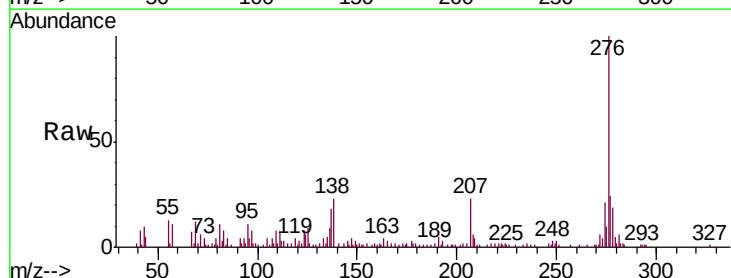
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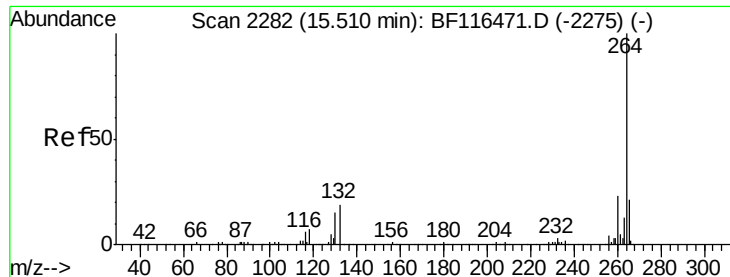
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.362 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.02 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

Tgt Ion:276	Resp:	60347
Ion Ratio	Lower	Upper
276 100		
138 25.6	22.9	34.3
277 24.4	19.9	29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Instrument :

BNA_F

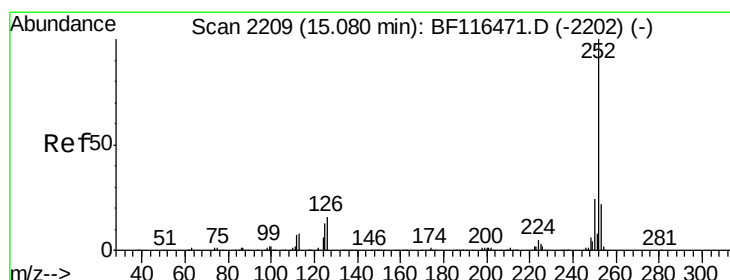
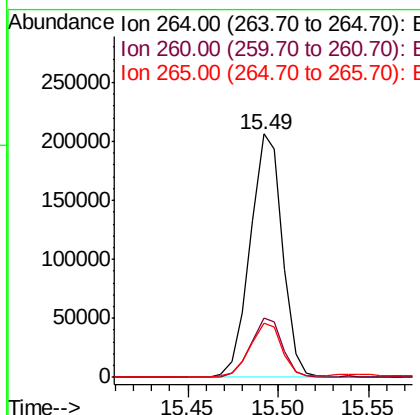
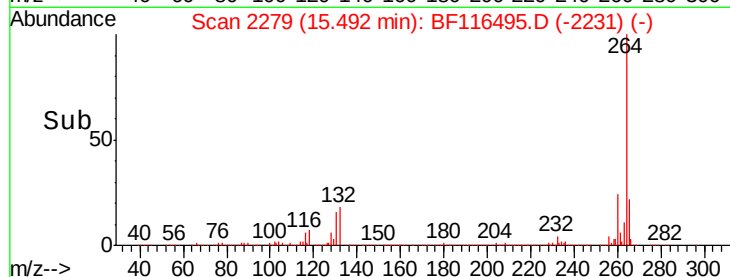
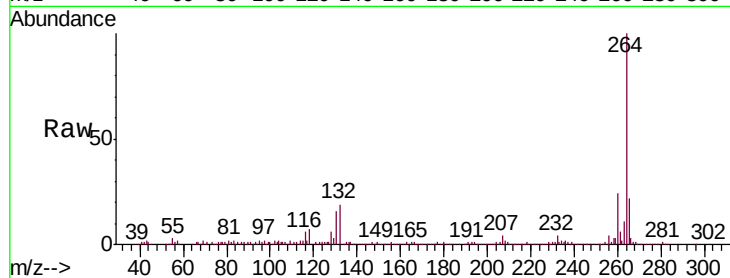
ClientSampleId :

T6-A1-A4-(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.8	28.2
265	22.4	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 6.804 ng m

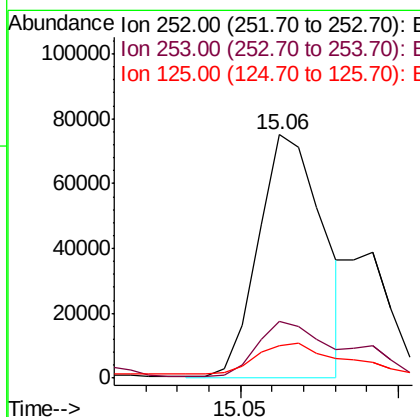
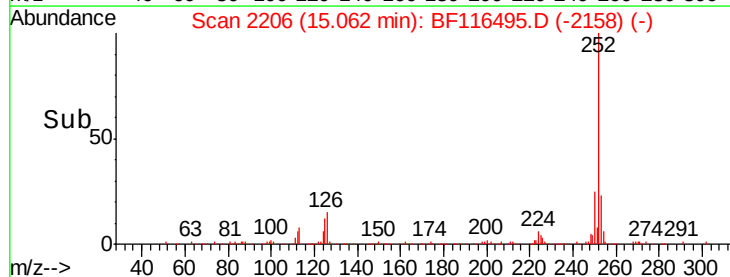
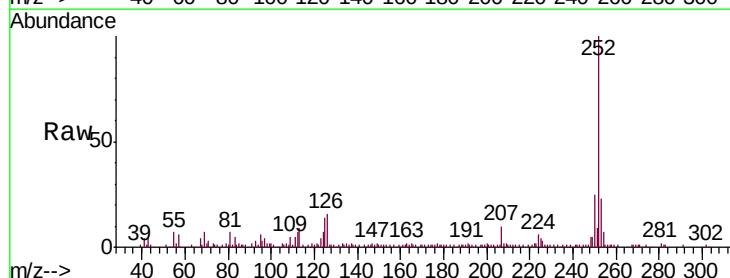
RT: 15.06 min Scan# 2206

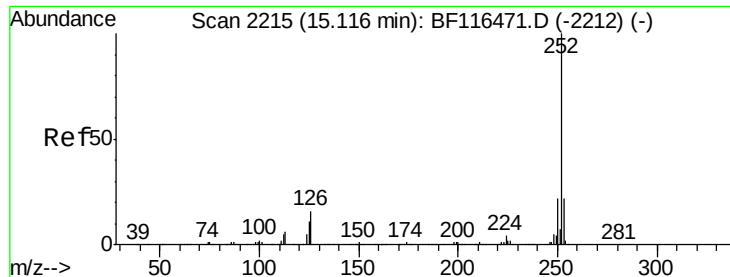
Delta R.T. -0.02 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	13.5	10.1	15.1





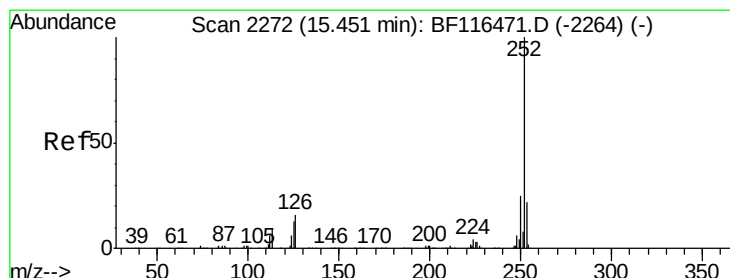
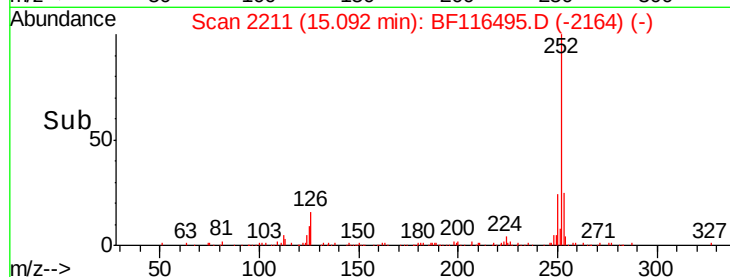
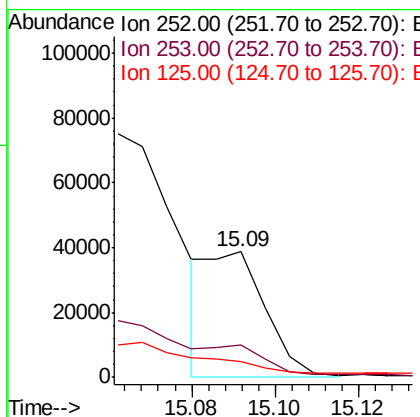
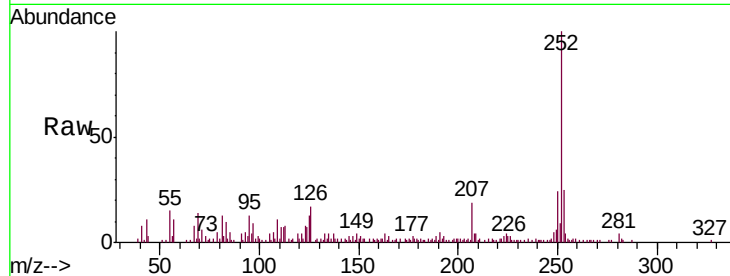
#89
Benzo(k)fluoranthene
Concen: 2.609 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

Instrument :
BNA_F
ClientSampleId :
T6-A1-A4-(0-2)

Tot Ion:	252	Resp:	37111
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.4	26.2
125	12.7	9.1	13.7

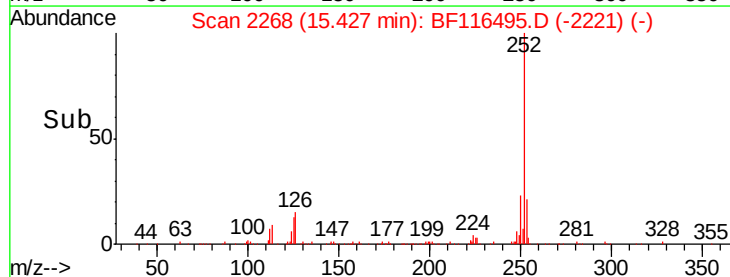
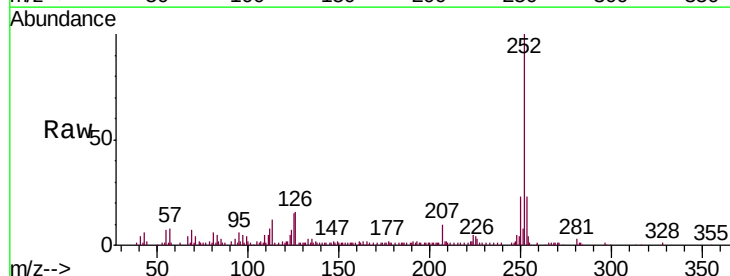
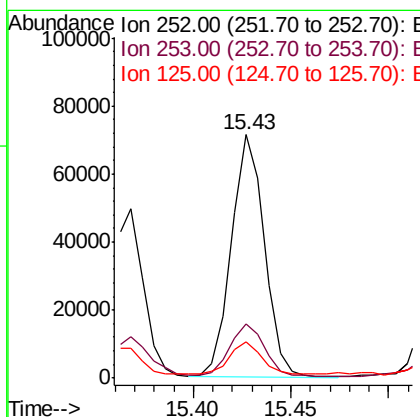
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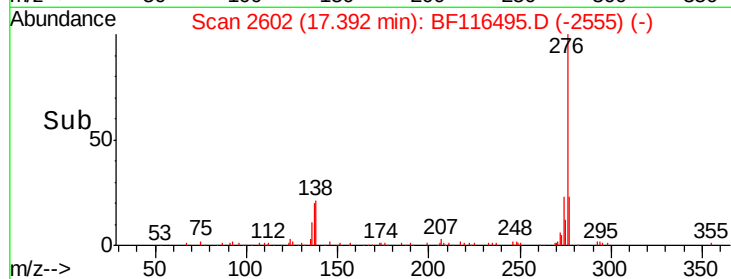
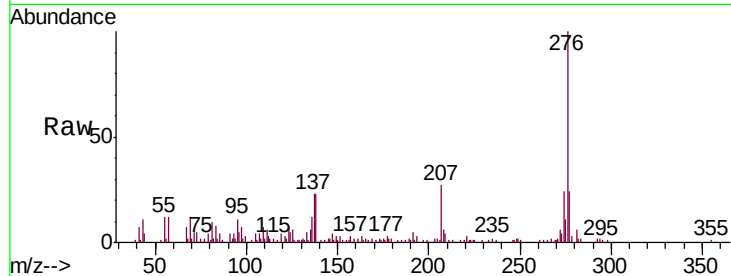
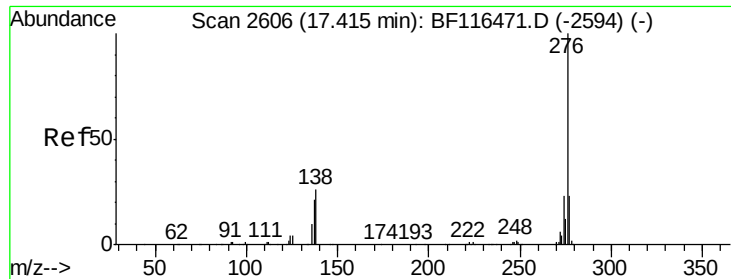
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#90
Benzo(a)pyrene
Concen: 6.059 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

Tgt Ion:	252	Resp:	84069
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.2	25.8
125	14.7	10.2	15.4





#92
 Benzo(a,h,i)perylene
 Concen: 5.416 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.02 min
 Lab File: BF116495.D
 Acq: 23 Aug 2019 23:29

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.7	28.1
138	23.3	20.8	31.2

Instrument :
 BNA_F
 ClientSampleId :
 T6-A1-A4-(0-2)

Manual Integrations
 APPROVED

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