

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117629.D
 Acq On : 30 Oct 2019 17:19
 Operator : JU
 Sample : K5541-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 51-00-(0-1)

Manual Integrations
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mohammad
 10/31/2019 3:10:51 PM

Quant Time: Oct 31 03:38:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	34058	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	134224	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	60113	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	82129	20.00	ng	0.00
76) Chrysene-d12	13.89	240	73901	20.00	ng	0.00
87) Perylene-d12	15.33	264	60774	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	171862	75.07	ng	0.00
7) Phenol-d6	6.39	99	246602	80.20	ng	0.00
23) Nitrobenzene-d5	7.29	82	144359	53.10	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	29892	57.47	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	180339	42.27	ng	-0.01
79) Terphenyl-d14	12.83	244	139673	30.83	ng	0.00
Target Compounds						
10) Phenol	6.40	94	9992	3.184	ng	Qvalue 90
50) Dimethylphthalate	9.49	163	27409	6.396	ng	98
71) Phenanthrene	11.27	178	30295	6.353	ng	98
75) Fluoranthene	12.46	202	72711	15.230	ng	99
78) Pyrene	12.69	202	68844	10.846	ng	98
81) Benzo(a)anthracene	13.89	228	39236	7.871	ng	97
83) Chrysene	13.92	228	35048	7.174	ng	96
86) Indeno(1,2,3-cd)pyrene	16.76	276	11398	3.125	ng	99
88) Benzo(b)fluoranthene	14.93	252	34770m	9.689	ng	
89) Benzo(k)fluoranthene	14.94	252	13792m	3.750	ng	
90) Benzo(a)pyrene	15.27	252	26279	8.054	ng	# 93
92) Benzo(a,h,i)perylene	17.20	276	10405	3.898	ng	96

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

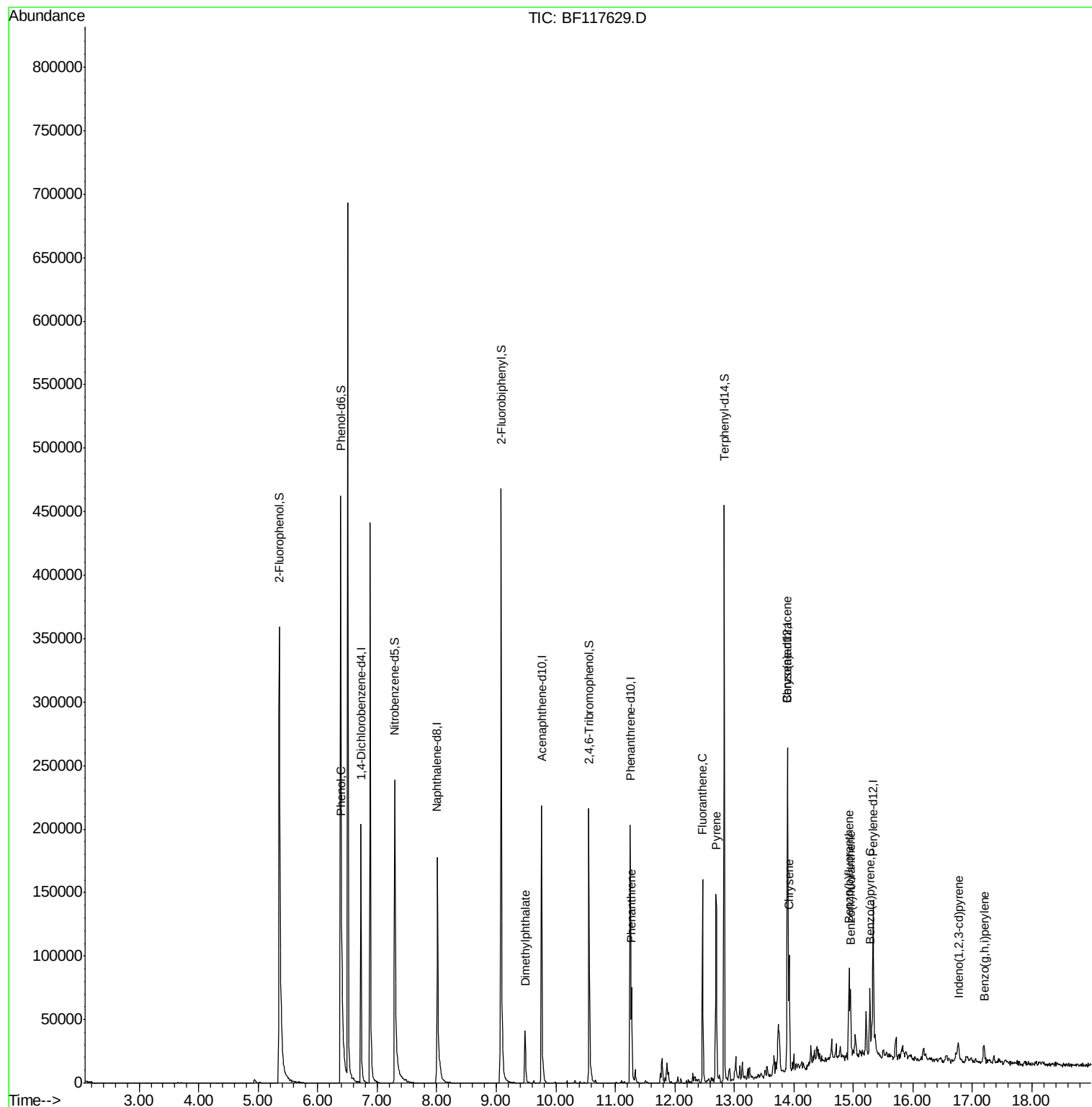
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117629.D
Acq On : 30 Oct 2019 17:19
Operator : JU
Sample : K5541-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

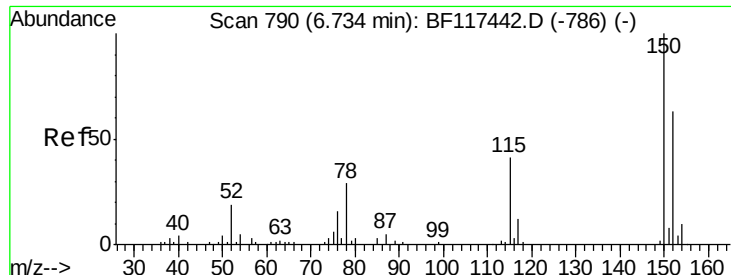
Instrument :
BNA_F
ClientSampleId :
51-00-(0-1)

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Quant Time: Oct 31 03:38:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

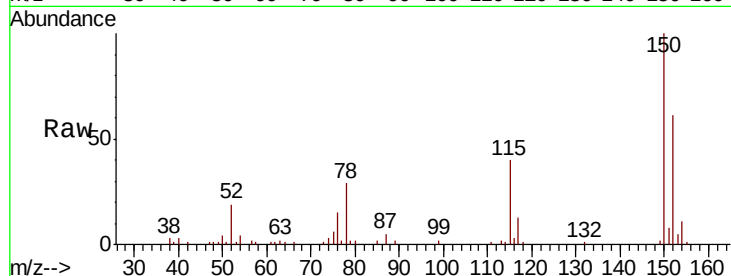
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117629.D
Acq: 30 Oct 2019 17:19

Instrument :
BNA_F
ClientSampleId :
51-00-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.9	126.8	190.2
115	65.9	51.6	77.4

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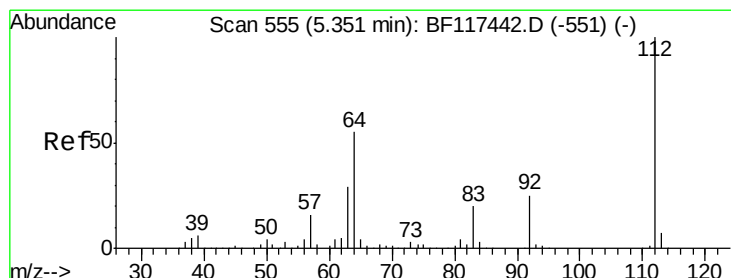
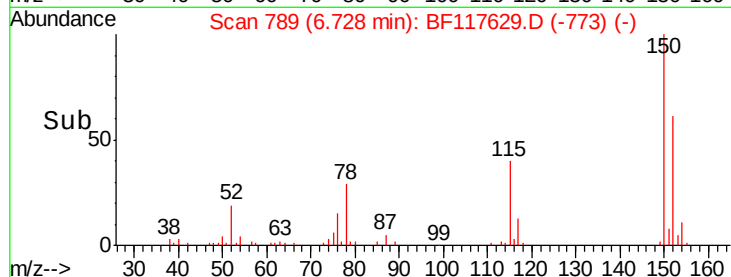
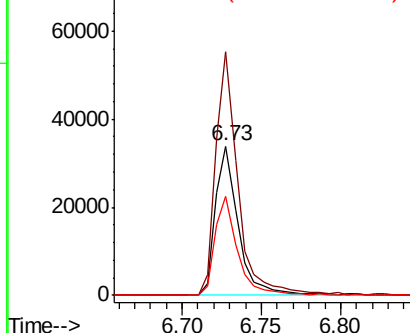


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

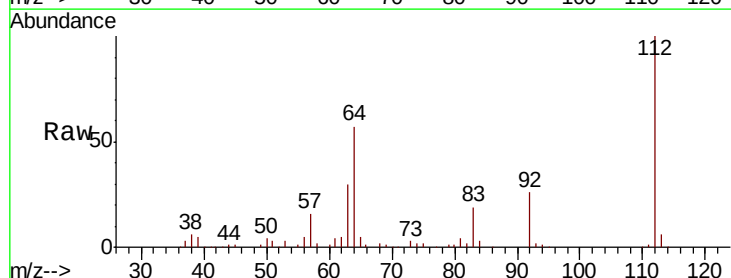
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 75.072 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117629.D
Acq: 30 Oct 2019 17:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	44.1	66.1
63	30.2	23.4	35.2

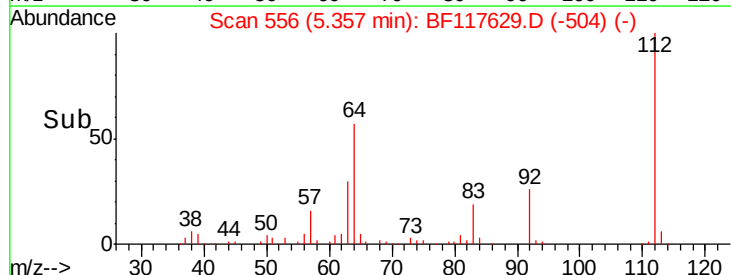
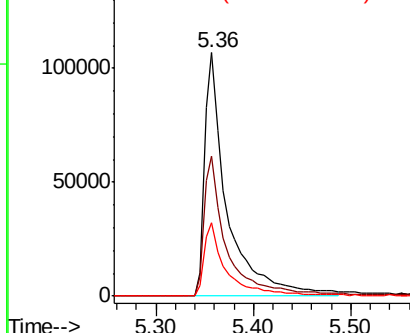


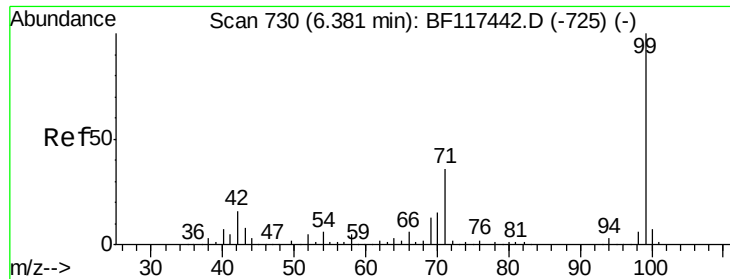
Abundance

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: 80.201 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117629.D

Acq: 30 Oct 2019 17:19

Instrument :

BNA_F

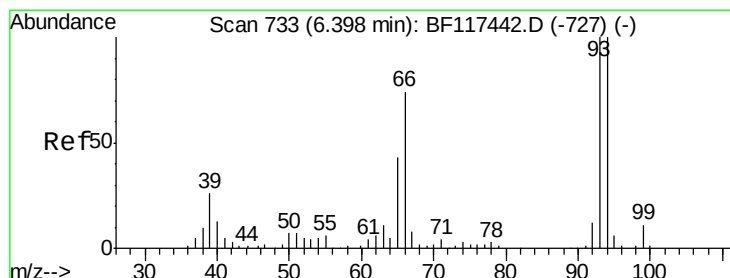
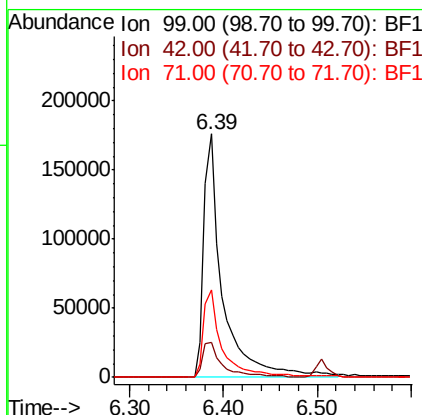
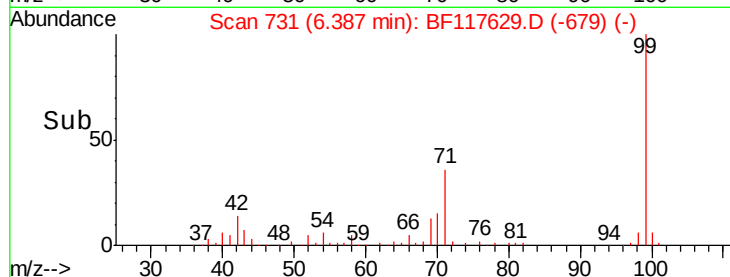
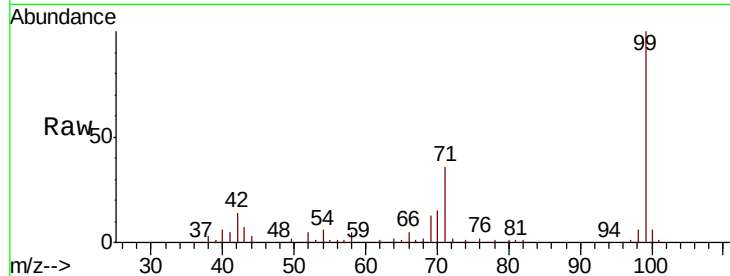
ClientSampleId :

51-00-(0-1)

Tot Ion:	99	Resp:	246602
Ion	Ratio	Lower	Upper
99	100		
42	14.3	12.8	19.2
71	35.8	28.6	43.0

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#10

Phenol

Concen: 3.184 ng

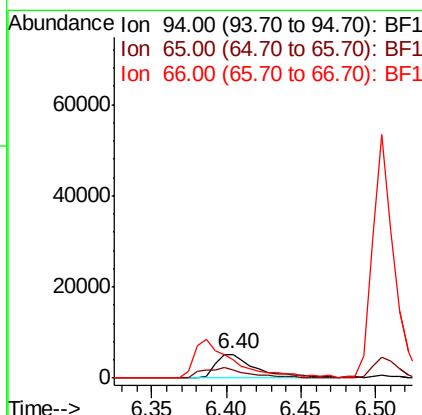
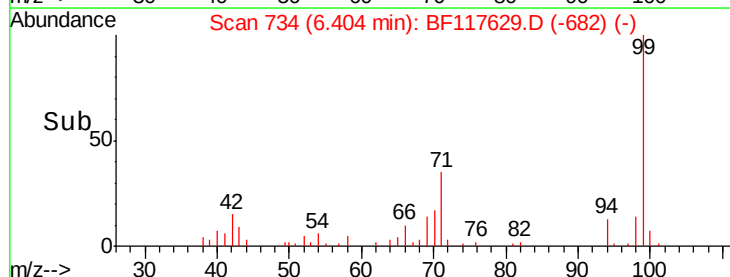
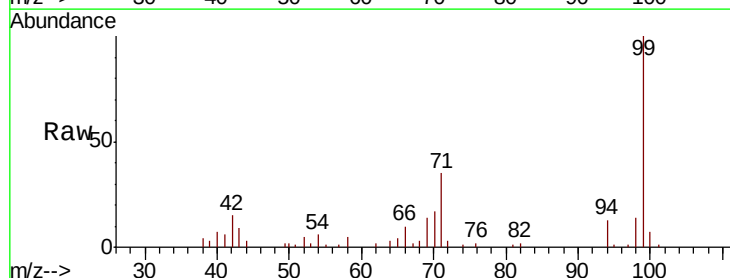
RT: 6.40 min Scan# 734

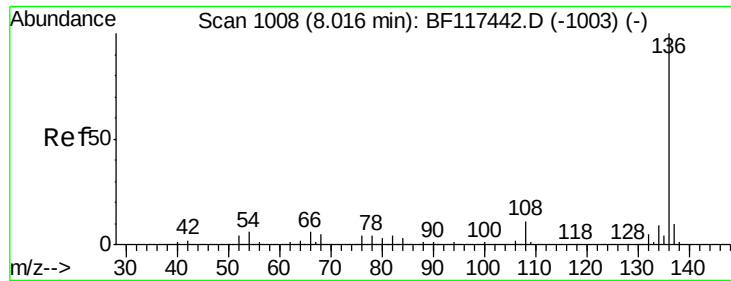
Delta R.T. 0.01 min

Lab File: BF117629.D

Acq: 30 Oct 2019 17:19

Tgt Ion:	94	Resp:	9992
Ion	Ratio	Lower	Upper
94	100		
65	31.8	23.4	63.4
66	79.0	54.7	94.7





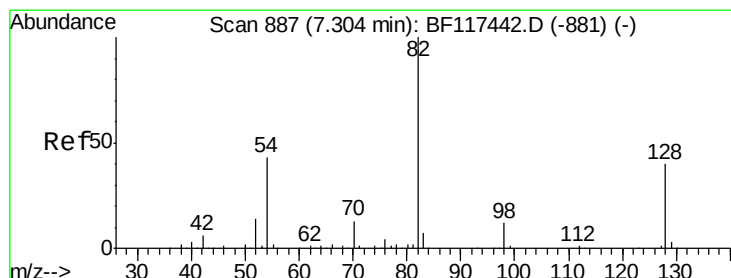
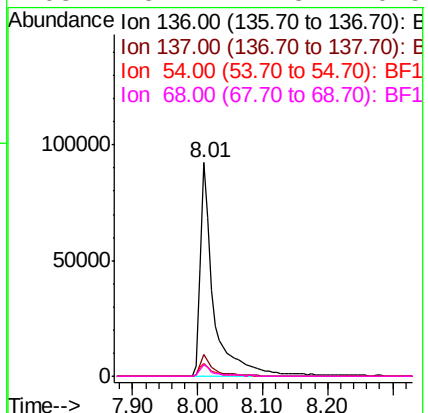
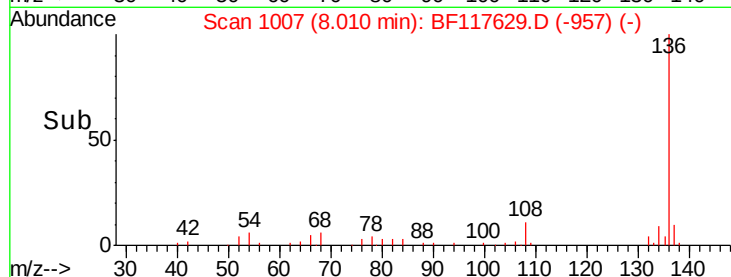
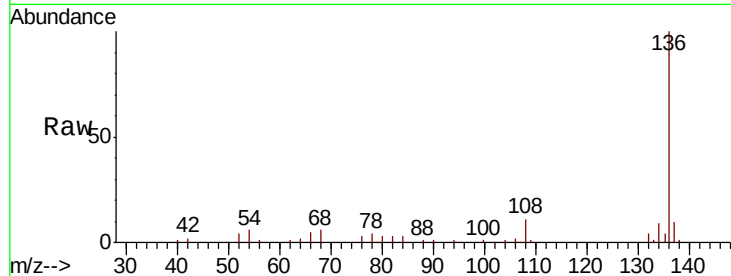
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117629.D
Acq: 30 Oct 2019 17:19

Instrument :
BNA_F
ClientSampleId :
51-00-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	134224		
137	10.3		8.2	12.4
54	5.9		4.5	6.7
68	5.7		4.3	6.5

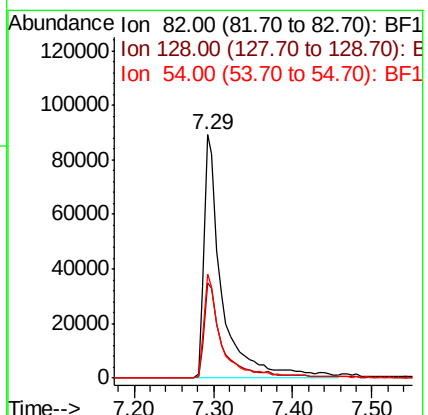
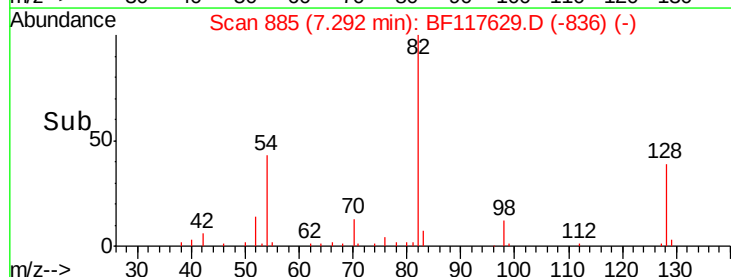
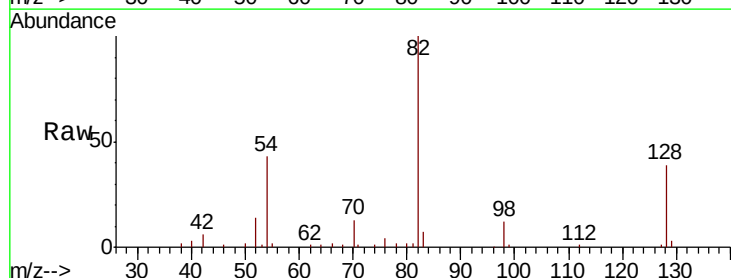
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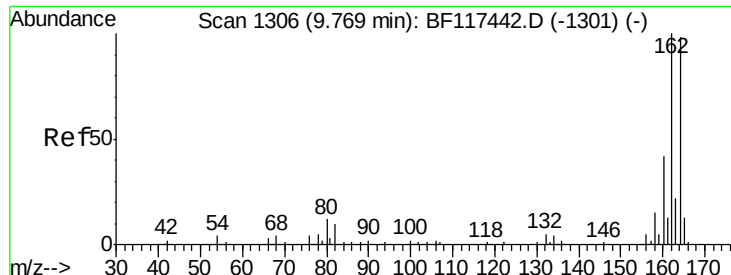
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#23
Nitrobenzene-d5
Concen: 53.096 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117629.D
Acq: 30 Oct 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	144359		
128	39.3		32.2	48.2
54	42.7		34.2	51.2





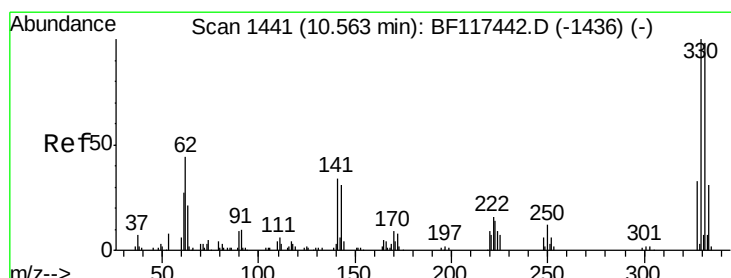
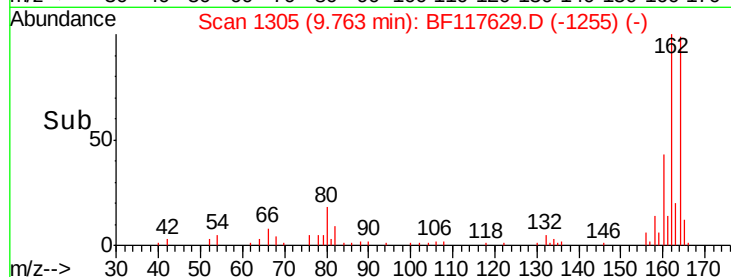
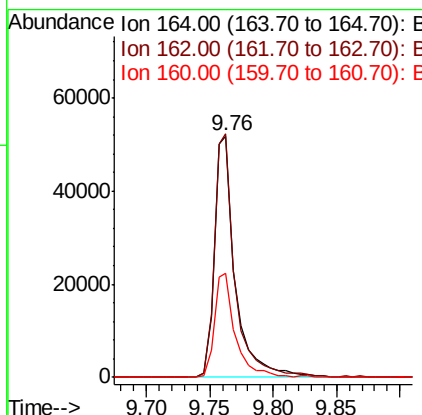
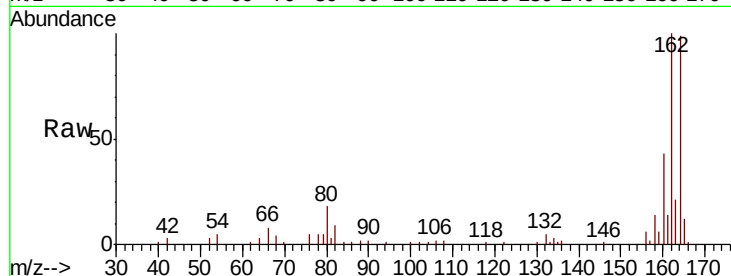
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117629.D
 Acq: 30 Oct 2019 17:19

Instrument :
 BNA_F
 ClientSampleId :
 51-00-(0-1)

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.8	122.6
160	42.9	34.4	51.6

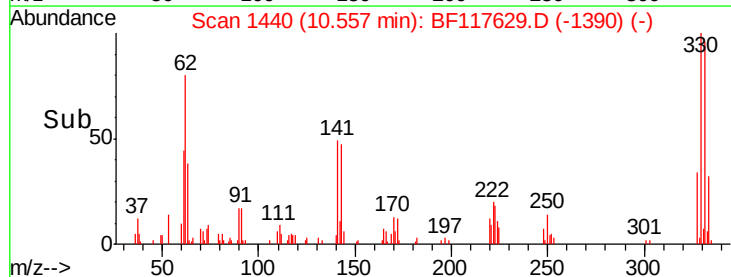
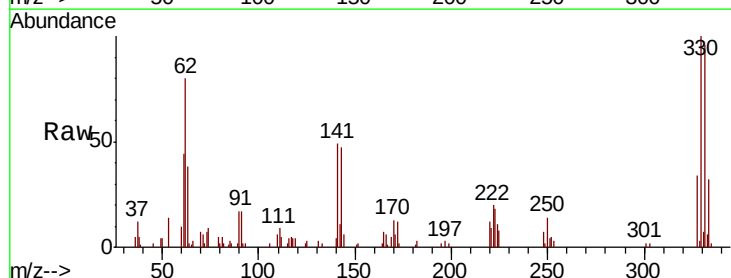
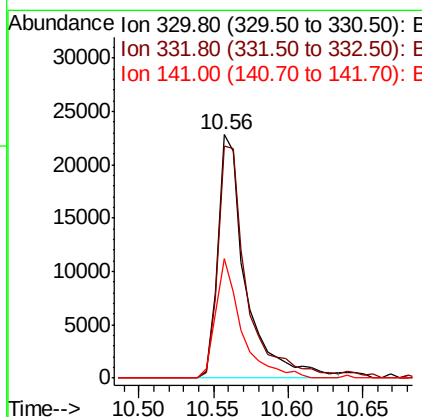
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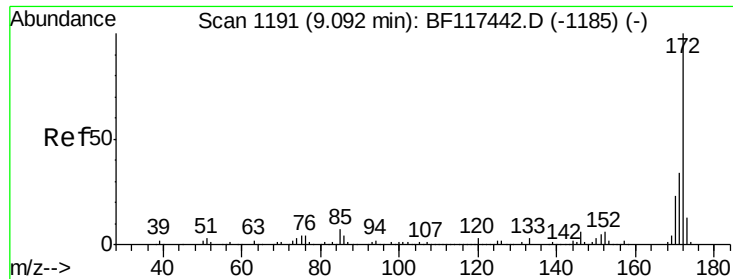
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#42
 2,4,6-Tribromophenol
 Concen: 57.470 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117629.D
 Acq: 30 Oct 2019 17:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.4	78.5	117.7
141	45.1	37.0	55.6





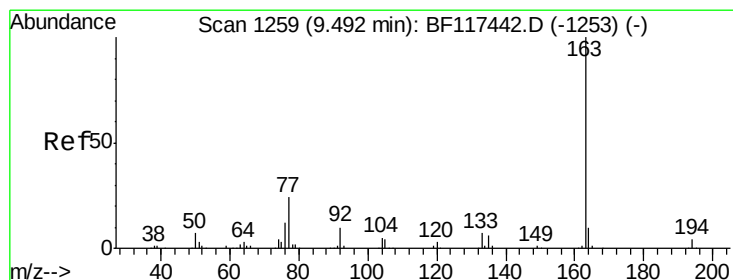
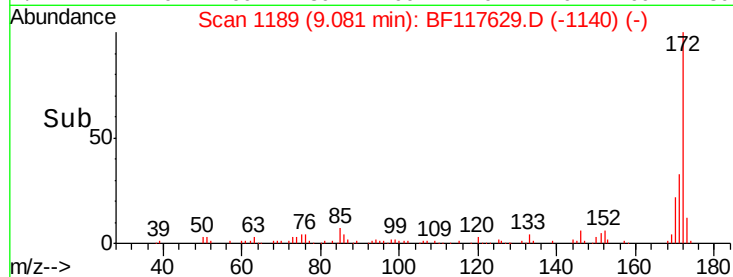
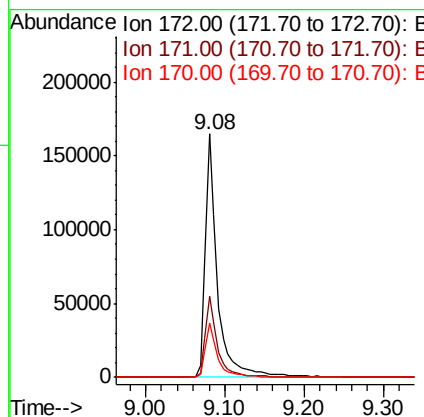
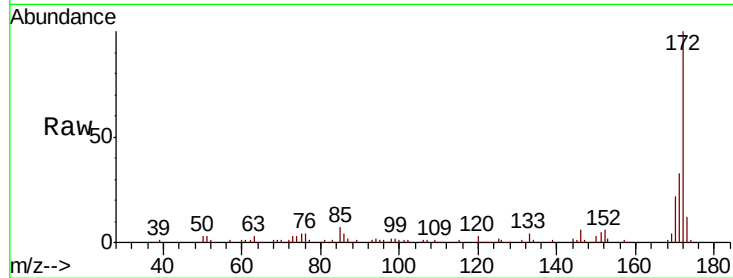
#45
2-Fluorobiphenyl
Concen: 42.270 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117629.D
Acq: 30 Oct 2019 17:19

Instrument :
BNA_F
ClientSampleId :
51-00-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	180339		
171	33.2		27.5	41.3
170	22.5		18.6	27.8

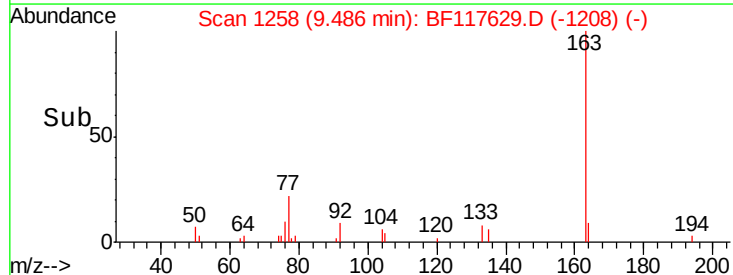
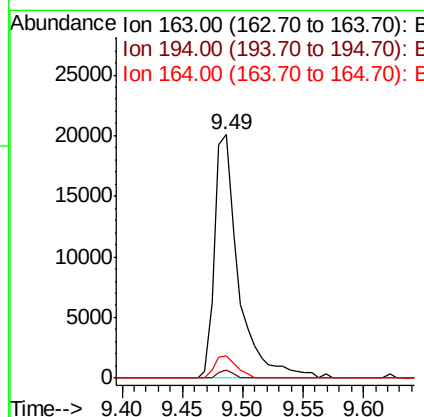
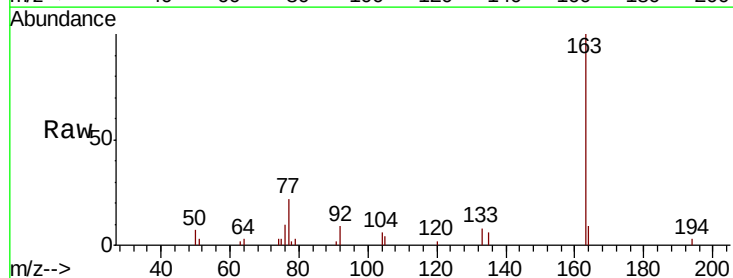
Manual Integrations
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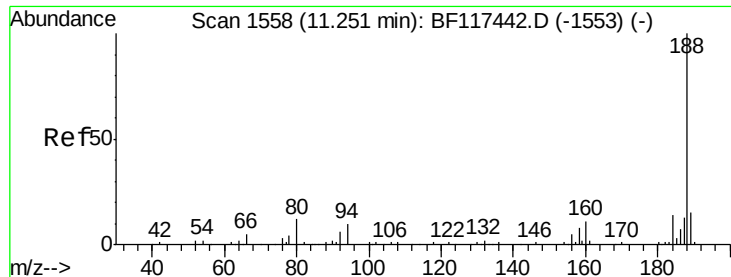
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#50
Dimethylphthalate
Concen: 6.396 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117629.D
Acq: 30 Oct 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	27409		
194	3.5		2.9	4.3
164	9.1		8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117629.D

Acq: 30 Oct 2019 17:19

Instrument :

BNA_F

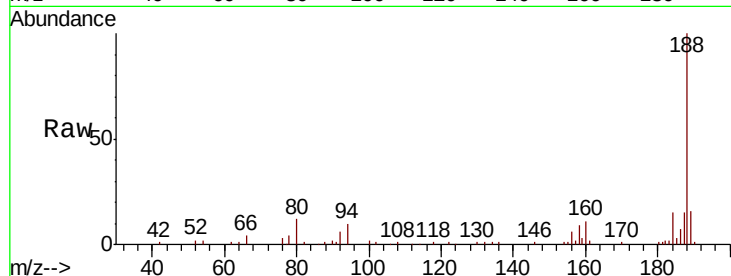
ClientSampleId :

51-00-(0-1)

Tot Ion:	188	Resp:	82129
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.0	12.0
80	12.3	9.5	14.3

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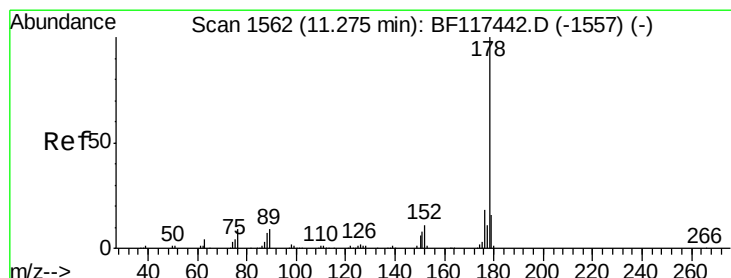
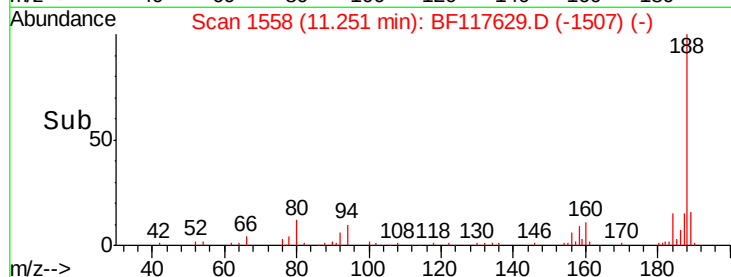
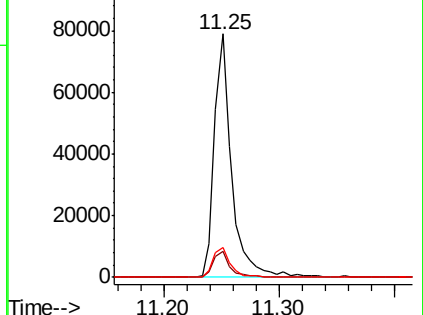
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 6.353 ng

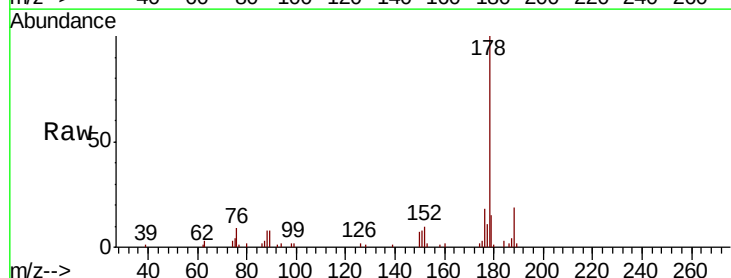
RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117629.D

Acq: 30 Oct 2019 17:19

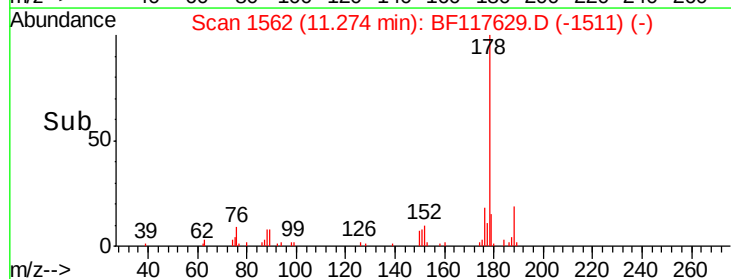
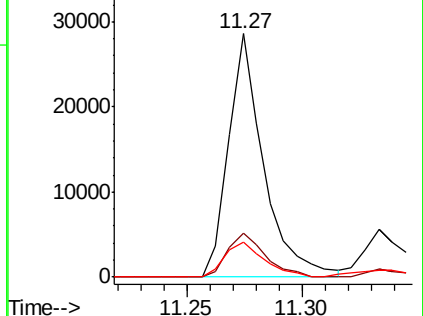
Tgt Ion:	178	Resp:	30295
Ion Ratio	Lower	Upper	
178	100		
176	18.1	14.6	22.0
179	14.6	12.6	19.0

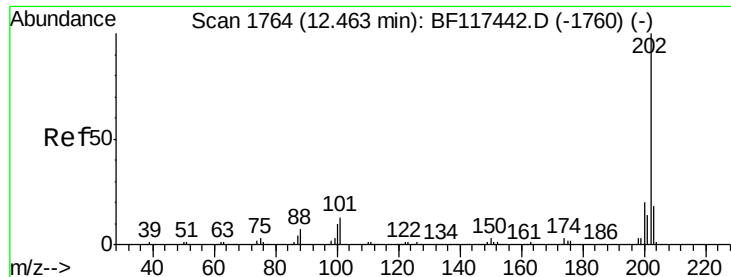


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 15.230 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117629.D

Acq: 30 Oct 2019 17:19

Instrument :

BNA_F

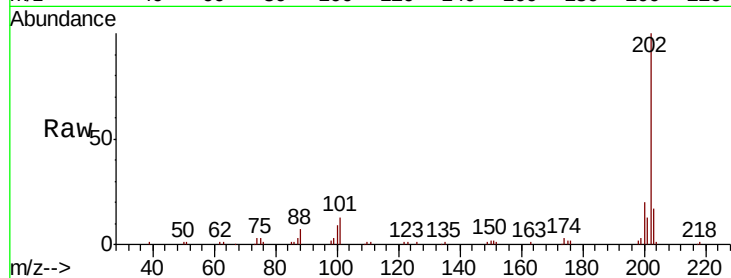
ClientSampleId :

51-00-(0-1)

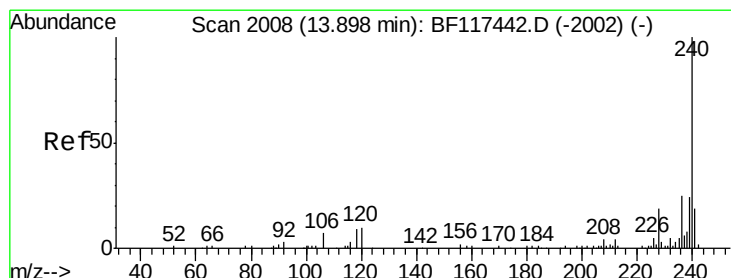
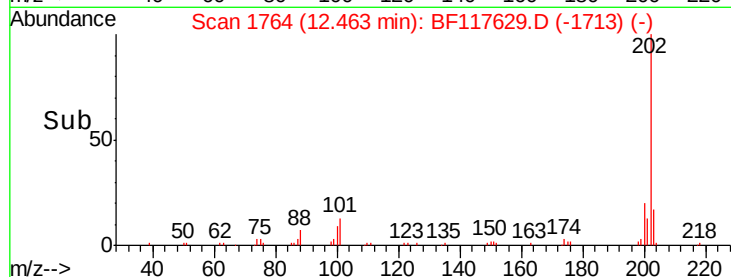
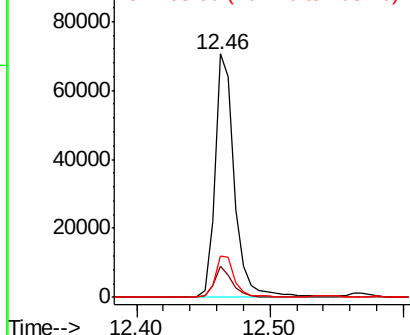
Tot Ion:	202	Resp:	72711
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	32.7
203	17.2	0.0	37.6

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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

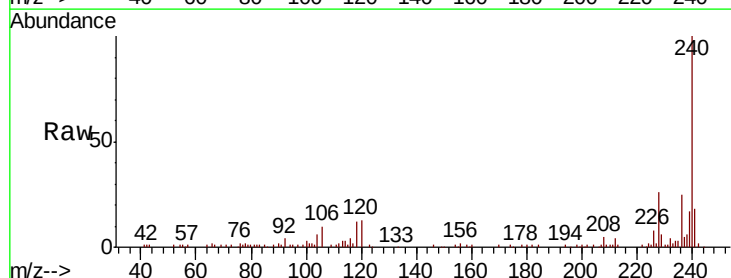
RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

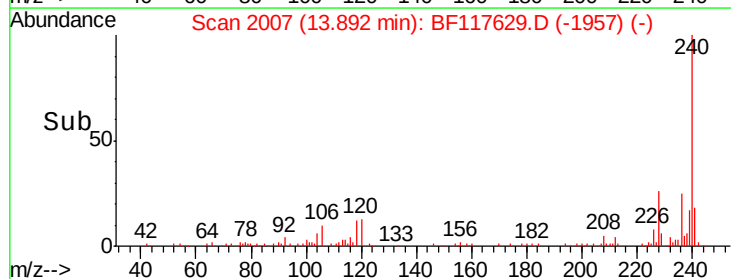
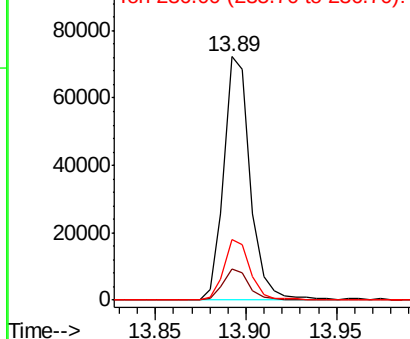
Lab File: BF117629.D

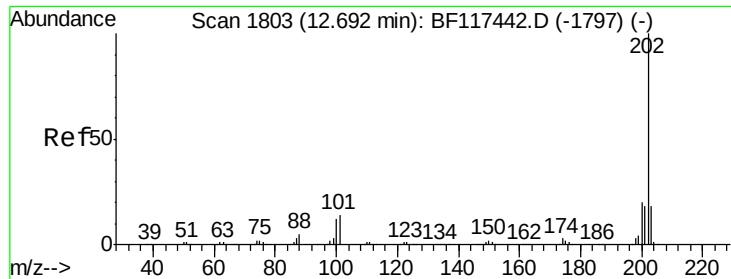
Acq: 30 Oct 2019 17:19

Tgt Ion:	240	Resp:	73901
Ion Ratio	Lower	Upper	
240	100		
120	13.0	8.4	12.6#
236	24.7	20.0	30.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





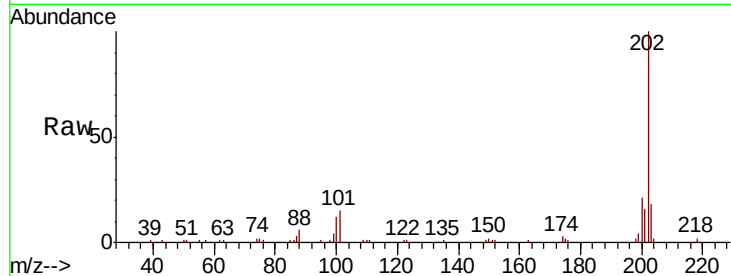
#78
Pvrene
Concen: 10.846 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117629.D
Acq: 30 Oct 2019 17:19

Instrument :
BNA_F
ClientSampleId :
51-00-(0-1)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.2	24.2
203	18.3	14.0	21.0

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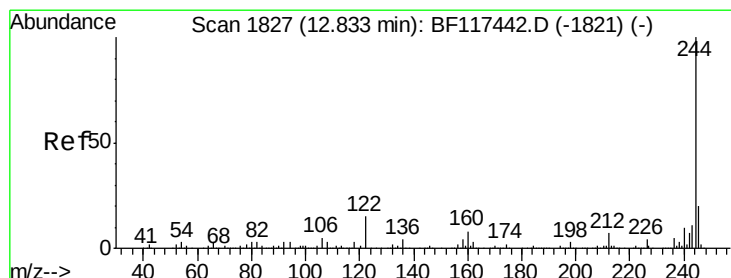
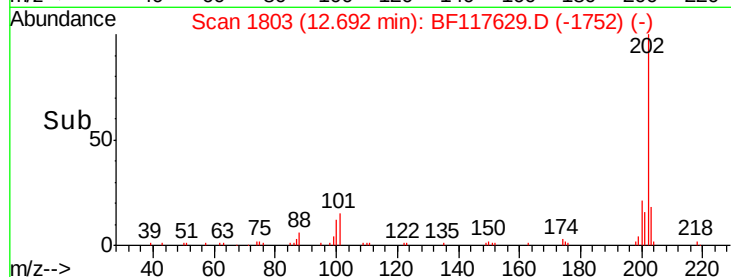
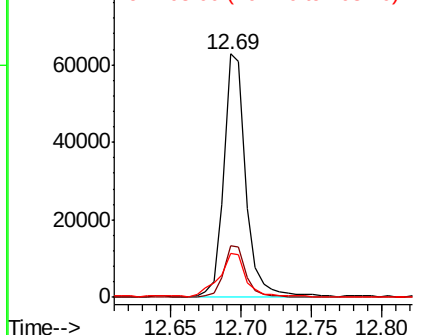


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 30.828 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117629.D
Acq: 30 Oct 2019 17:19

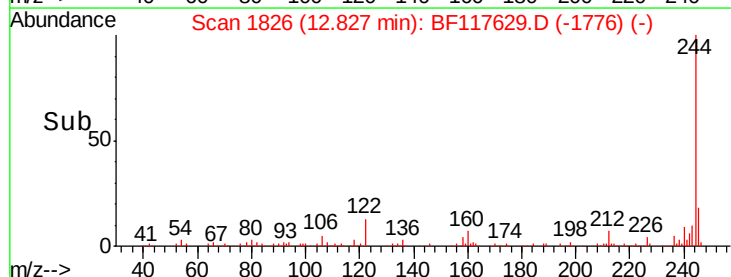
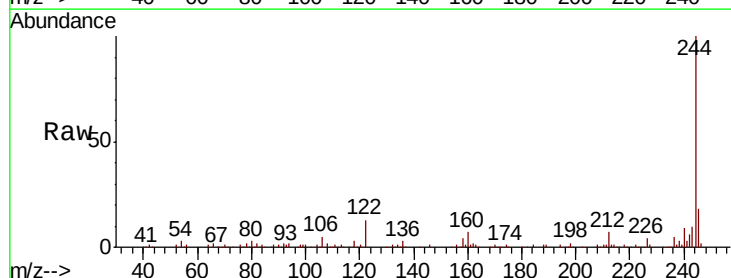
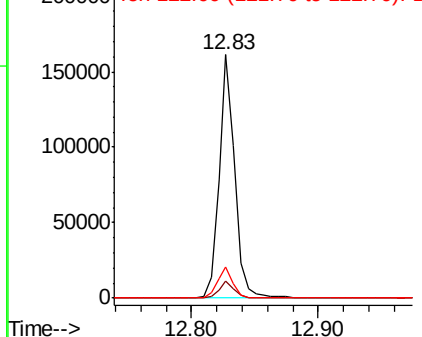
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	13.0	11.8	17.8

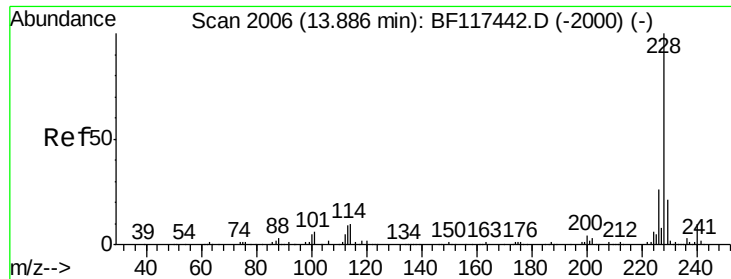
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





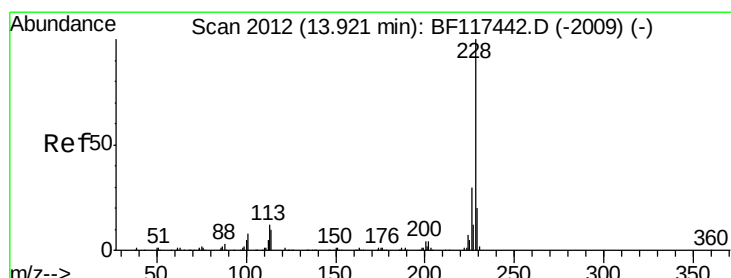
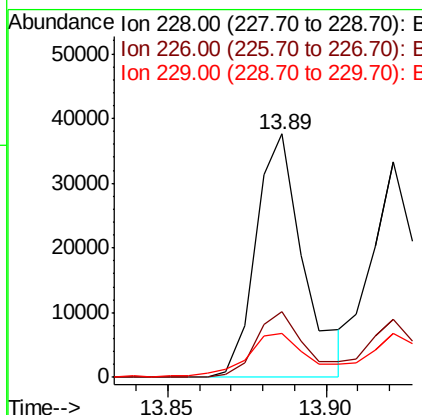
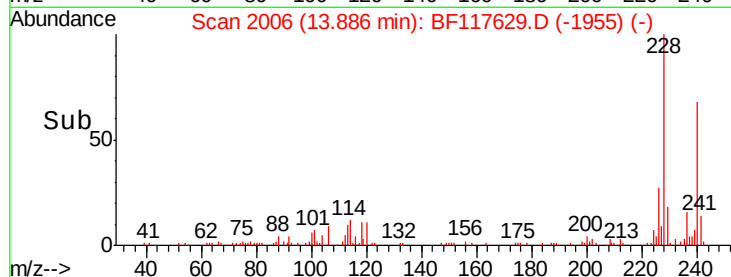
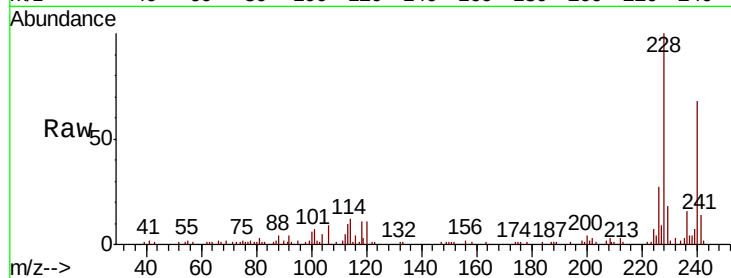
#81
Benzo(a)anthracene
Concen: 7.871 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117629.D
Acq: 30 Oct 2019 17:19

Instrument :
BNA_F
ClientSampleId :
51-00-(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.0	31.4
229	18.1	16.4	24.6

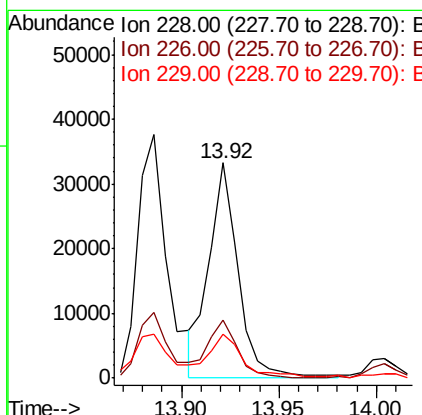
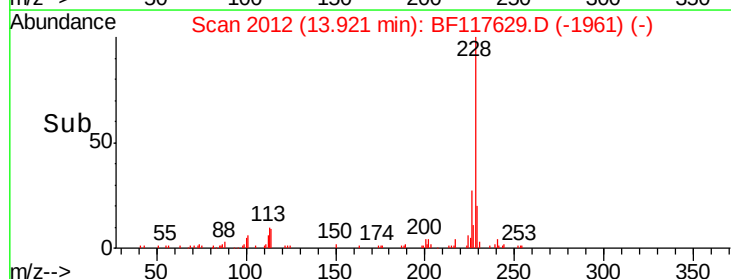
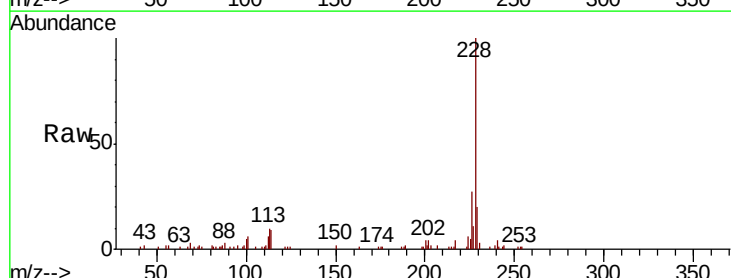
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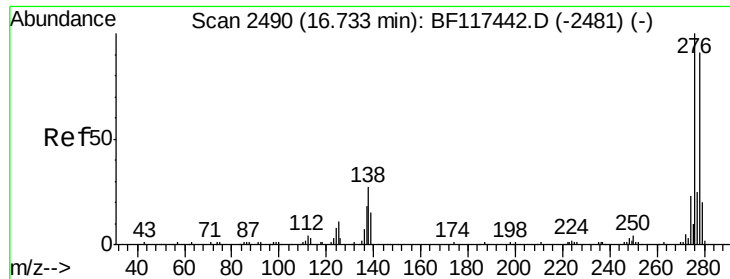
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#83
Chrysene
Concen: 7.174 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117629.D
Acq: 30 Oct 2019 17:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	23.9	35.9
229	20.5	15.8	23.6





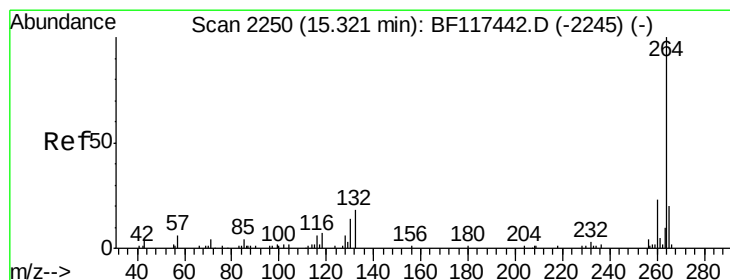
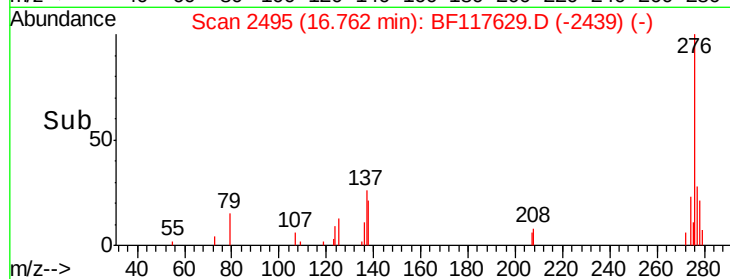
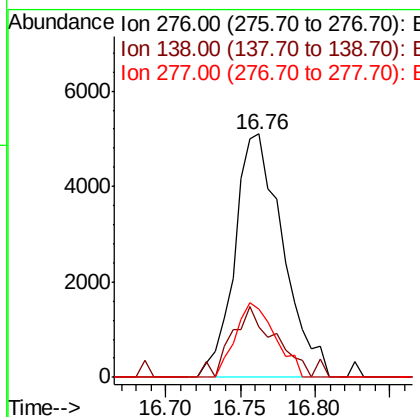
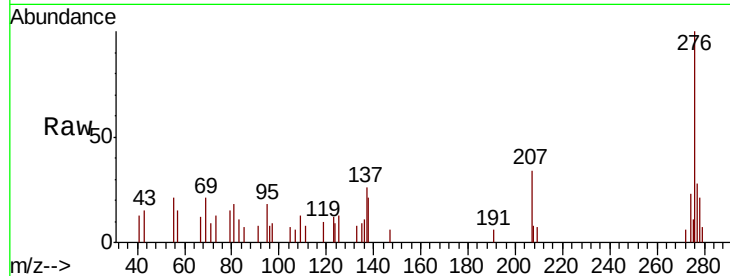
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.125 ng
 RT: 16.76 min Scan# 2495
 Delta R.T. 0.03 min
 Lab File: BF117629.D
 Acq: 30 Oct 2019 17:19

Instrument :
 BNA_F
 ClientSampleId :
 51-00-(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.8	32.8
277	25.3	20.0	30.0

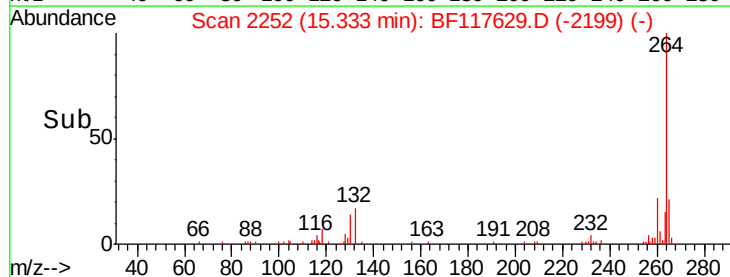
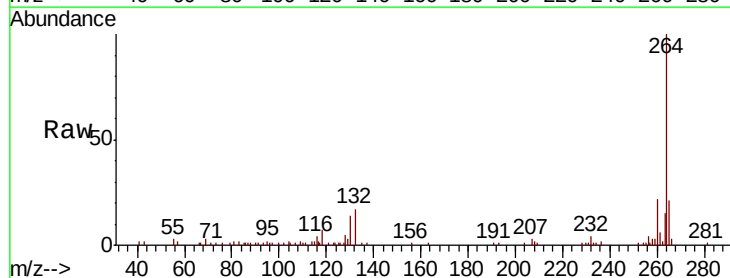
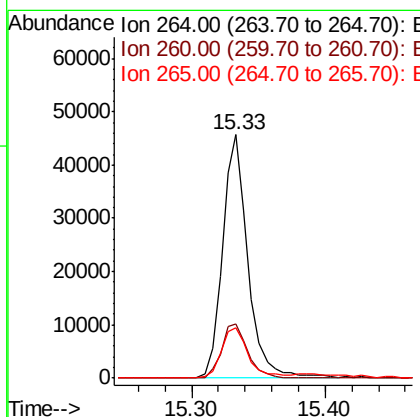
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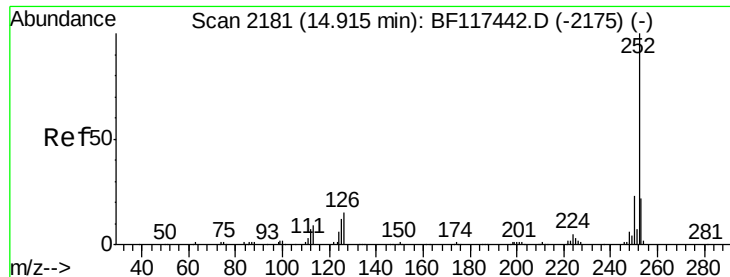
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117629.D
 Acq: 30 Oct 2019 17:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.4	27.6
265	20.9	16.1	24.1





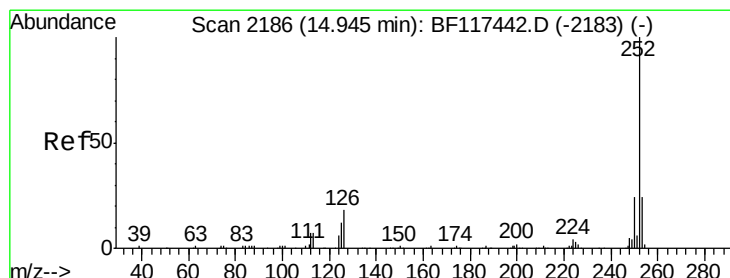
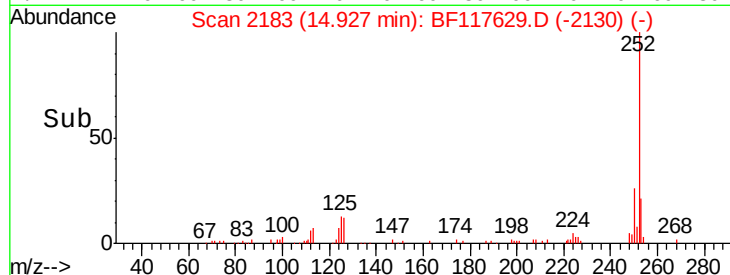
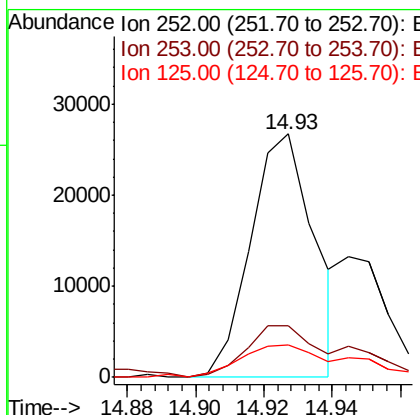
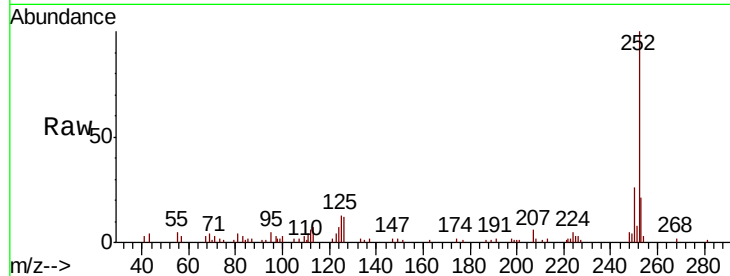
#88
Benzo(b)fluoranthene
Concen: 9.689 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117629.D
Acq: 30 Oct 2019 17:19

Instrument :
BNA_F
ClientSampleId :
51-00-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.6
125	13.3	9.9	14.9

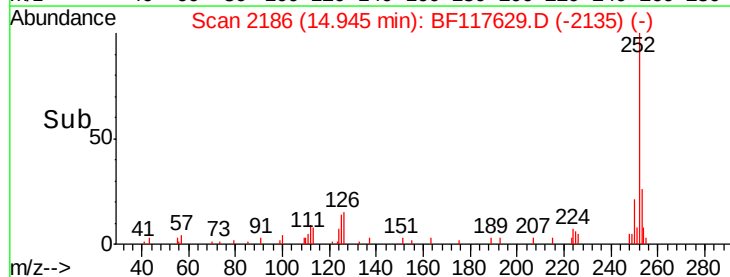
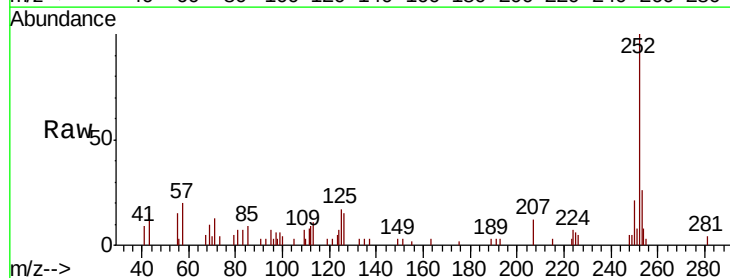
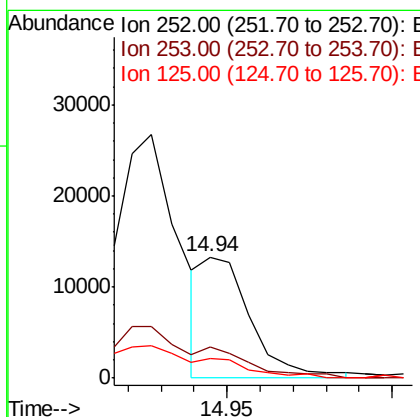
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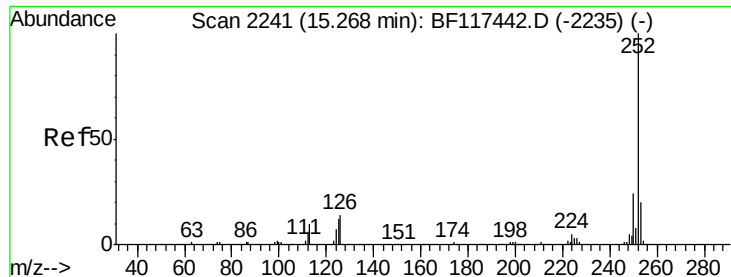
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#89
Benzo(k)fluoranthene
Concen: 3.750 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117629.D
Acq: 30 Oct 2019 17:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.0	27.0
125	16.6	8.9	13.3





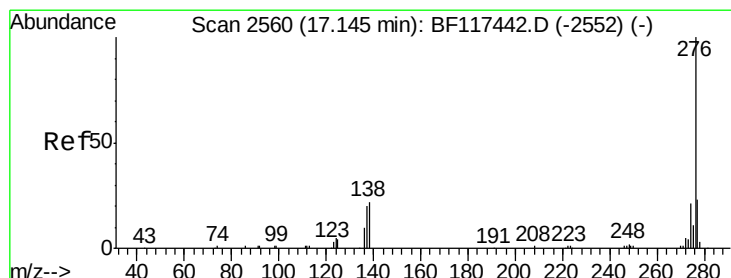
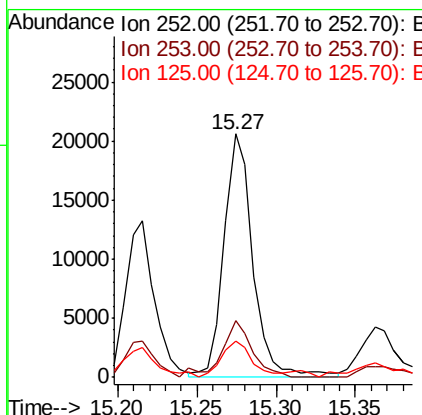
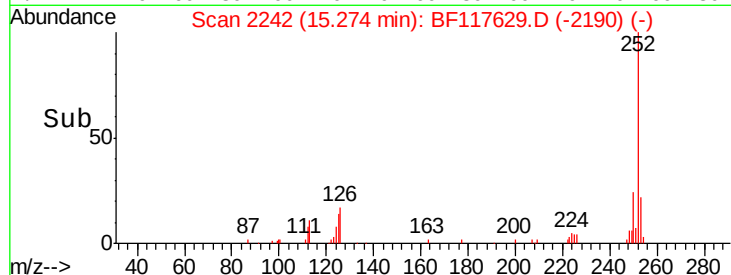
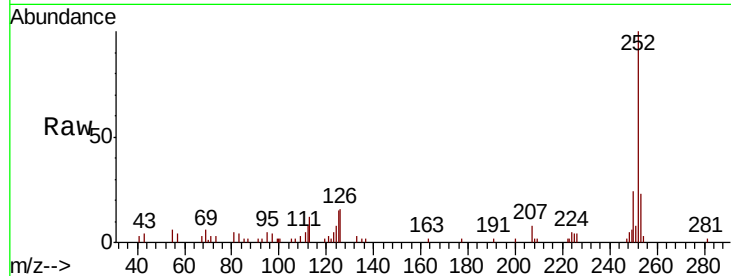
#90
Benzo(a)pyrene
Concen: 8.054 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117629.D
Acq: 30 Oct 2019 17:19

Instrument :
BNA_F
ClientSampled :
51-00-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.3	24.5
125	14.9	9.2	13.8

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#92
Benzo(g,h,i)perylene
Concen: 3.898 ng
RT: 17.20 min Scan# 2569
Delta R.T. 0.05 min
Lab File: BF117629.D
Acq: 30 Oct 2019 17:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.4	27.6
138	24.8	17.8	26.6

