

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092319\
 Data File : BF117209.D
 Acq On : 23 Sep 2019 17:13
 Operator : HP/JU
 Sample : K4964-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

Manual Integrations
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Quant Time: Sep 23 17:49:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	29597	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	120121	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	62046	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	91905	20.00	ng	0.00
76) Chrysene-d12	13.97	240	54243	20.00	ng	0.00
87) Perylene-d12	15.43	264	62314	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	174410	92.00	ng	0.00
7) Phenol-d6	6.46	99	240128	98.01	ng	0.00
23) Nitrobenzene-d5	7.37	82	152183	66.57	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	50073	96.56	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	278653	70.22	ng	0.00
79) Terphenyl-d14	12.92	244	227974	78.56	ng	0.00
Target Compounds						
10) Phenol	6.47	94	12074	4.470	ng	88
50) Dimethylphthalate	9.56	163	34651	7.887	ng	99
71) Phenanthrene	11.36	178	32367	6.200	ng	100
72) Anthracene	11.41	178	15267	2.865	ng	98
75) Fluoranthene	12.54	202	78777	14.687	ng	97
78) Pyrene	12.77	202	82049	18.027	ng	97
81) Benzo(a)anthracene	13.96	228	37925	10.465	ng	97
83) Chrysene	14.00	228	34297	9.703	ng	94
84) Bis(2-ethylhexyl)phthalate	13.94	149	8850	3.192	ng	95
86) Indeno(1,2,3-cd)pyrene	16.87	276	20638	8.003	ng	94
88) Benzo(b)fluoranthene	15.01	252	44116m	11.688	ng	
89) Benzo(k)fluoranthene	15.03	252	19701m	5.510	ng	
90) Benzo(a)pyrene	15.37	252	33038	9.974	ng	# 92
91) Dibenzo(a,h)anthracene	16.88	278	6193	2.347	ng	# 82
92) Benzo(a,h,i)perylene	17.32	276	17744	6.748	ng	# 88

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

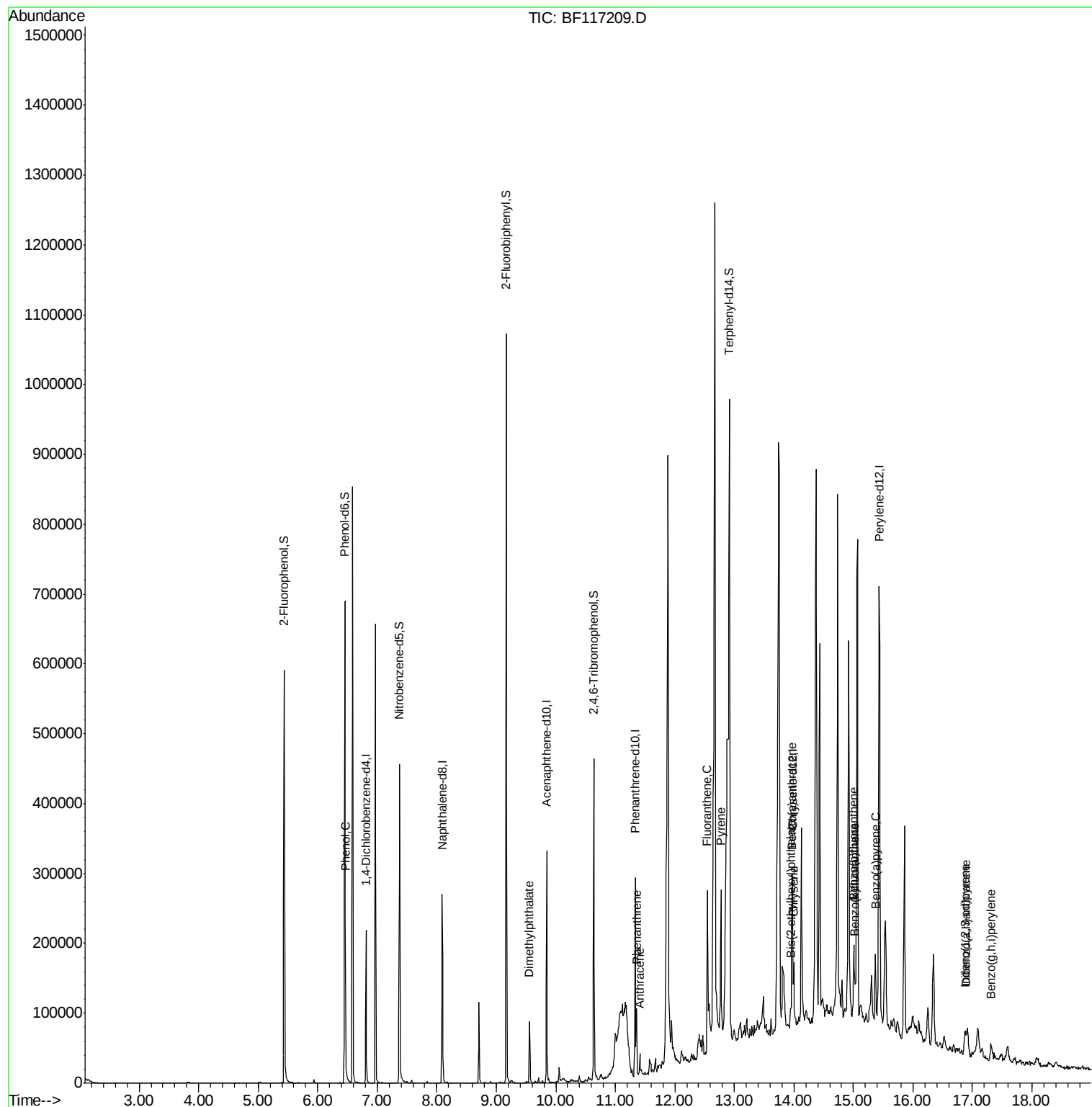
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092319\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
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#1

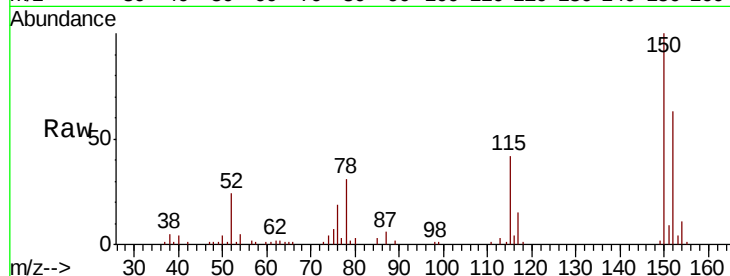
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.5	191.3
115	66.9	55.0	82.4

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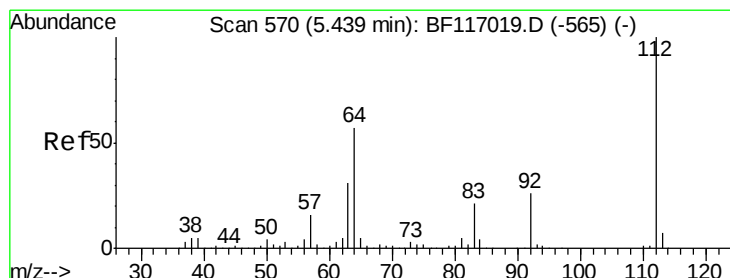
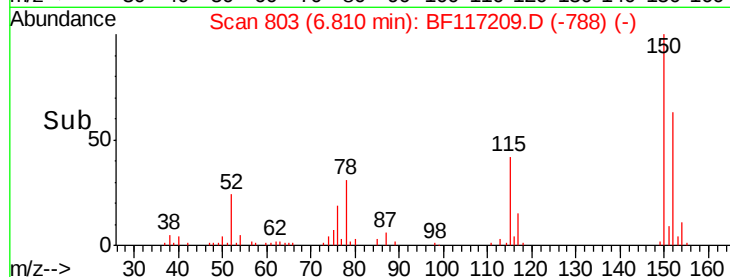
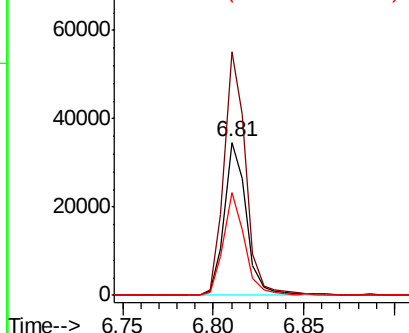


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

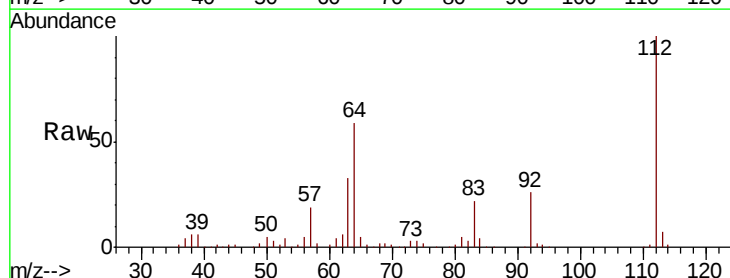
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.002 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	45.7	68.5
63	32.6	24.9	37.3

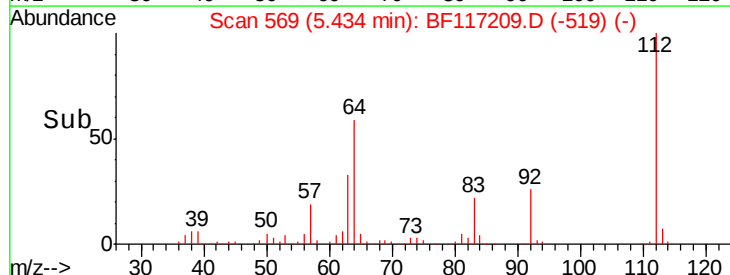
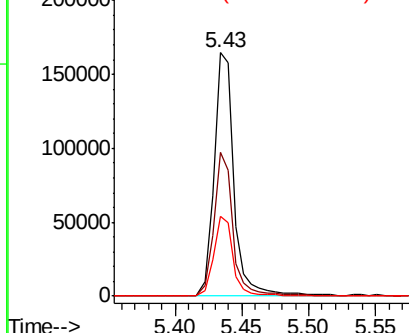


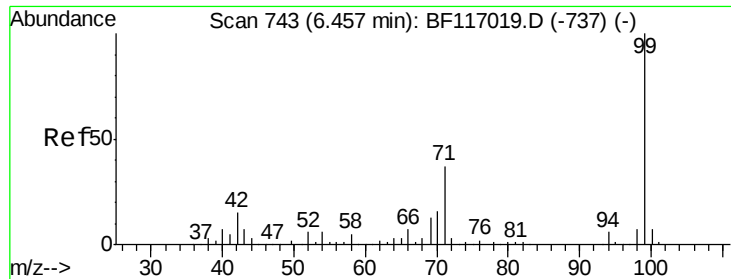
Abundance

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: 98.013 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117209.D

Acq: 23 Sep 2019 17:13

Instrument :

BNA_F

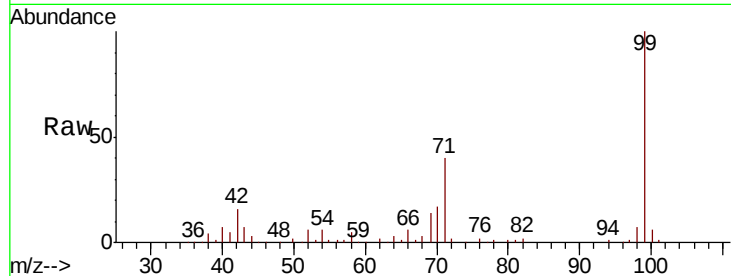
ClientSampled :

SB-1

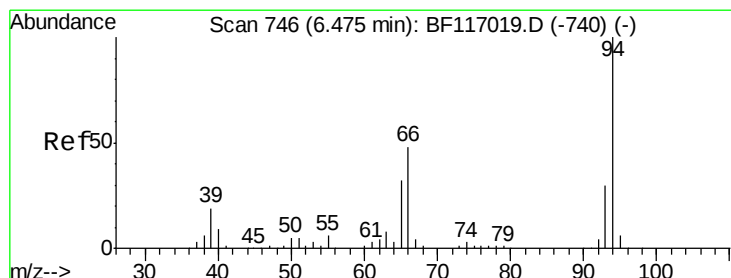
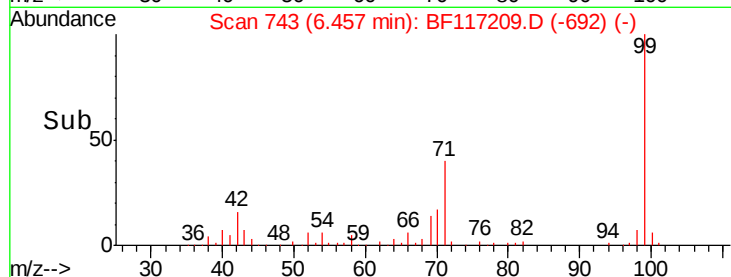
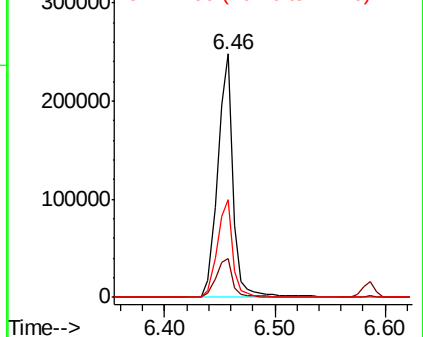
Tot Ion:	99	Resp:	240128
Ion Ratio	Lower	Upper	
99	100		
42	16.1	12.2	18.2
71	39.9	29.8	44.8

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.470 ng

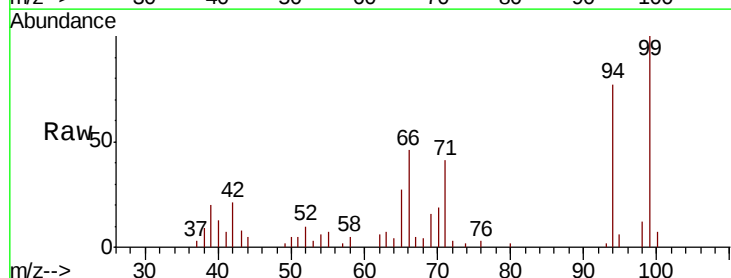
RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

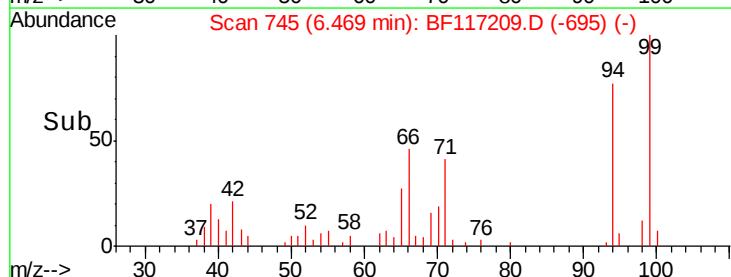
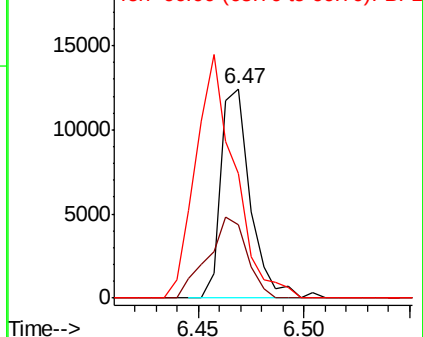
Lab File: BF117209.D

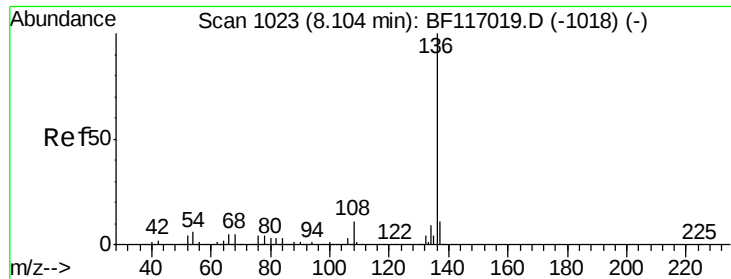
Acq: 23 Sep 2019 17:13

Tgt Ion:	94	Resp:	12074
Ion Ratio	Lower	Upper	
94	100		
65	35.3	12.5	52.5
66	59.8	28.9	68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





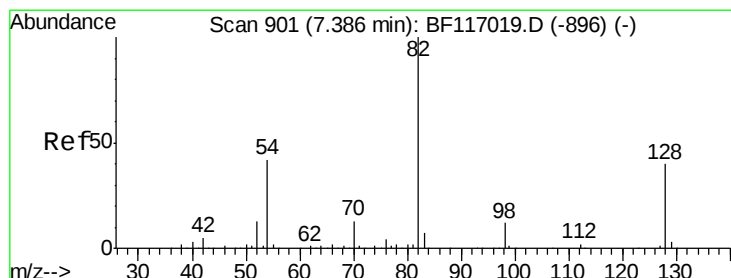
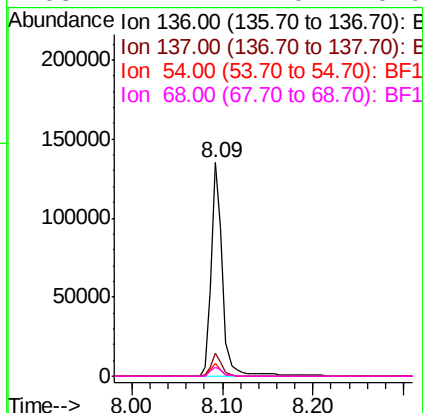
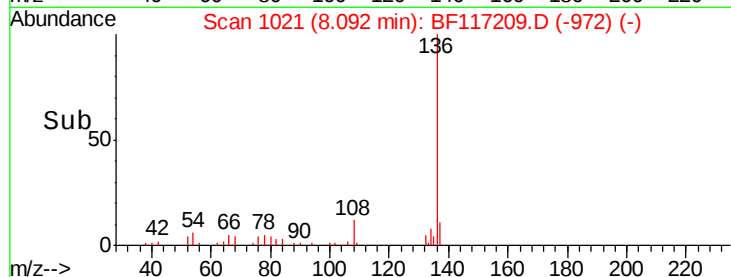
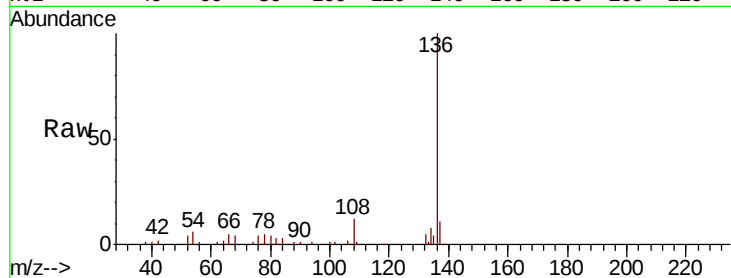
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.1	9.0	13.4		
54	5.8	4.5	6.7		
68	4.4	4.0	6.0		

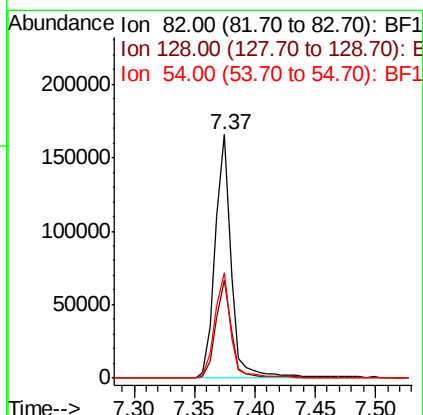
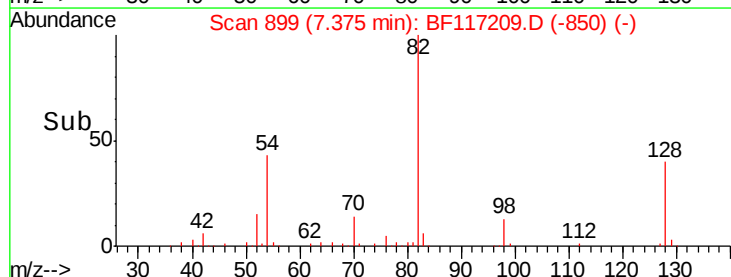
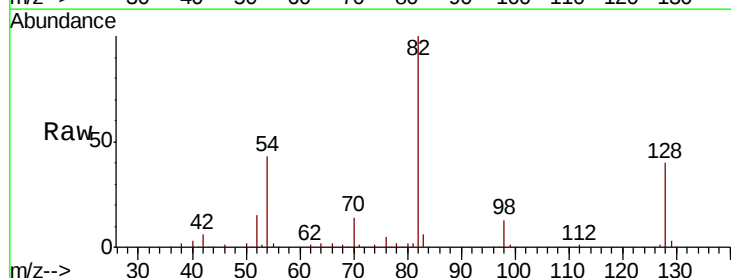
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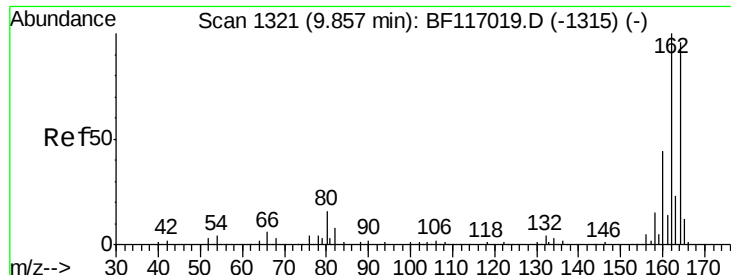
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#23
Nitrobenzene-d5
Concen: 66.567 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	40.1	32.3	48.5		
54	43.2	33.3	49.9		





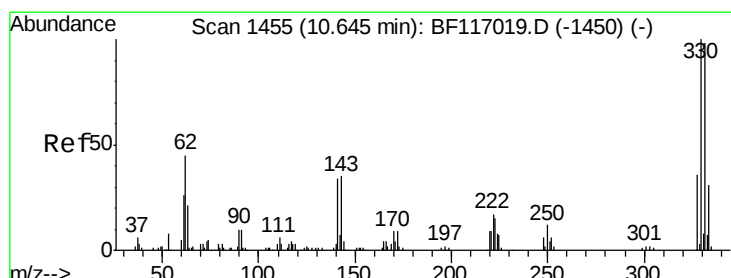
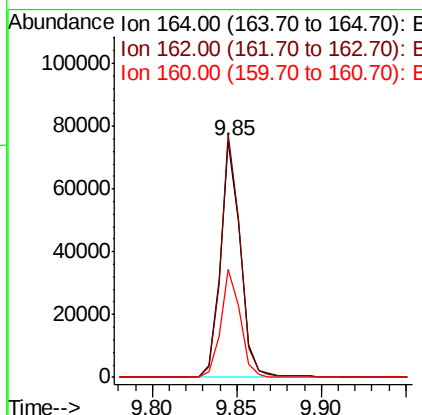
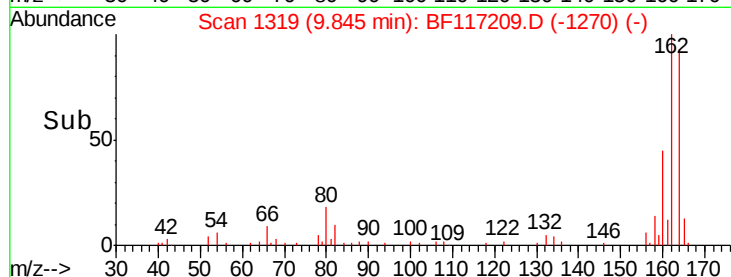
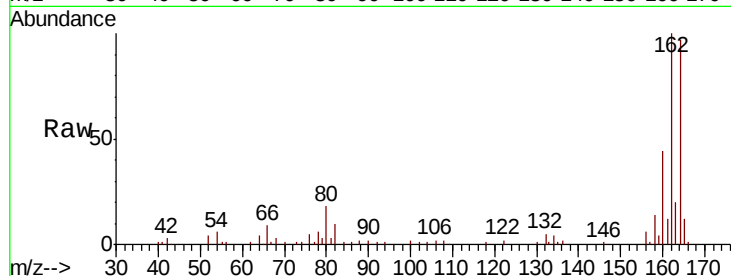
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Instrument :
BNA_F
ClientSampled :
SB-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.4	125.2
160	45.6	36.4	54.6

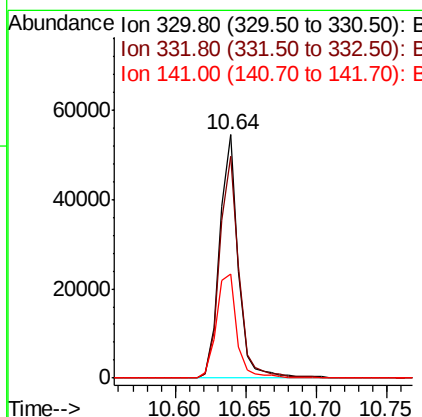
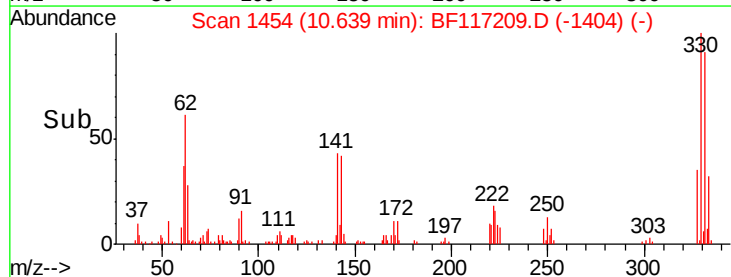
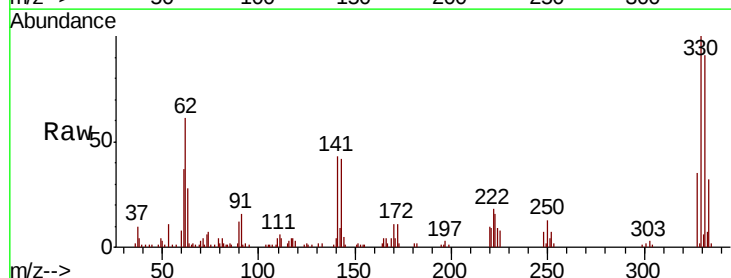
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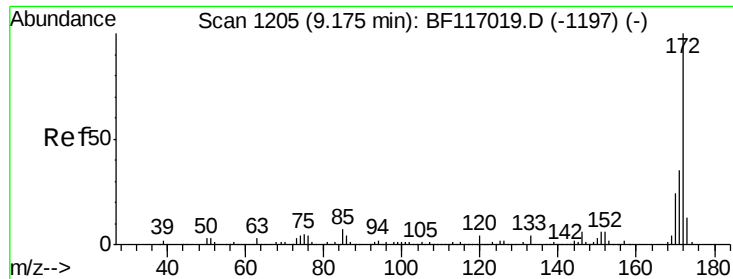
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#42
2,4,6-Tribromophenol
Concen: 96.561 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	78.0	117.0
141	47.1	35.8	53.6





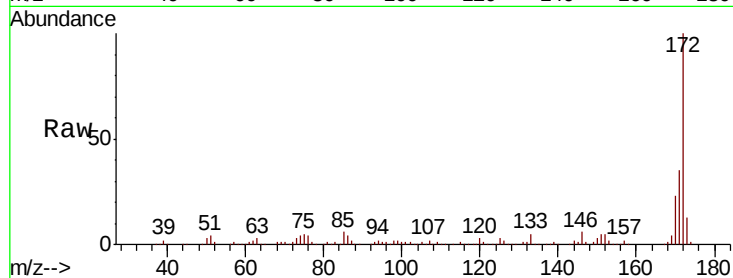
#45
2-Fluorobiphenyl
Concen: 70.221 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.0	28.2	42.2
170	23.4	18.9	28.3

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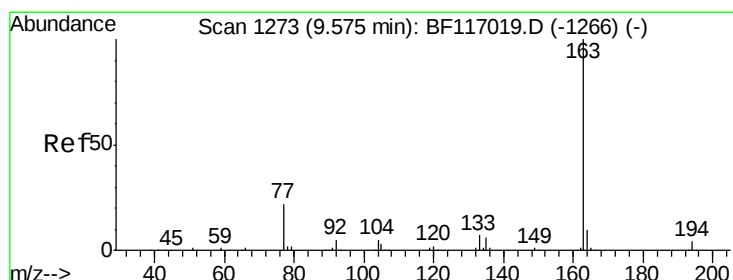
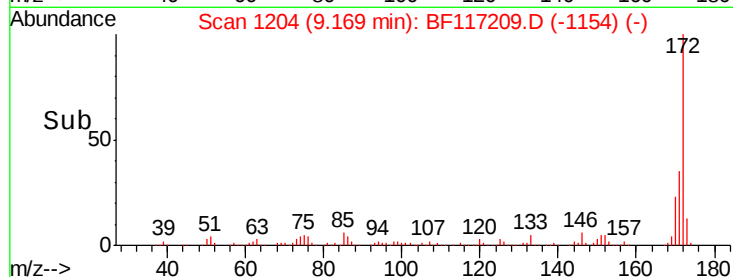
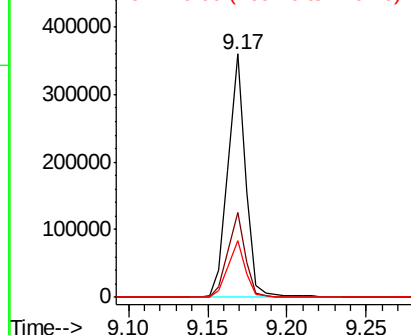


Abundance

Ion 172.00 (171.70 to 172.70): E

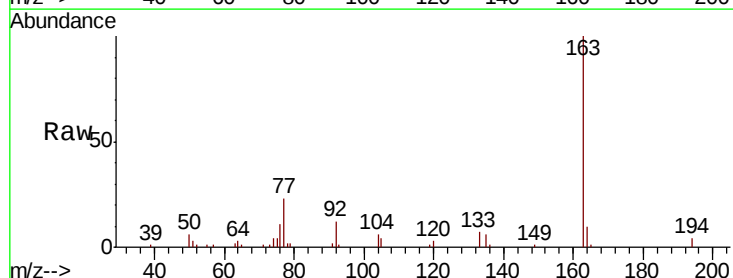
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.887 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.0	2.9	4.3
164	9.9	8.2	12.4

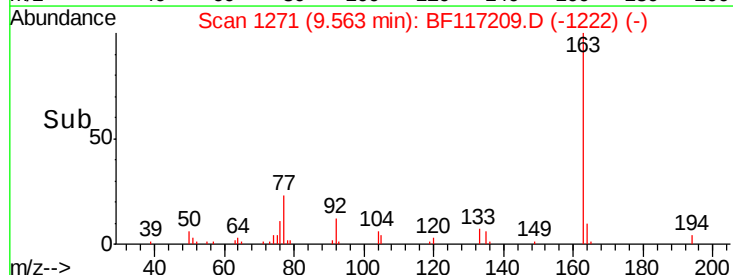
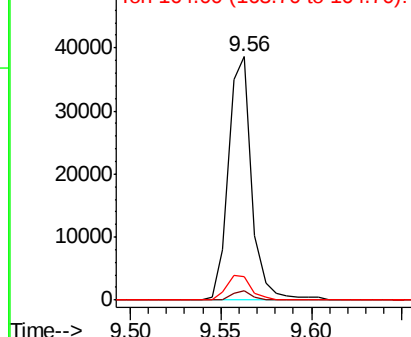


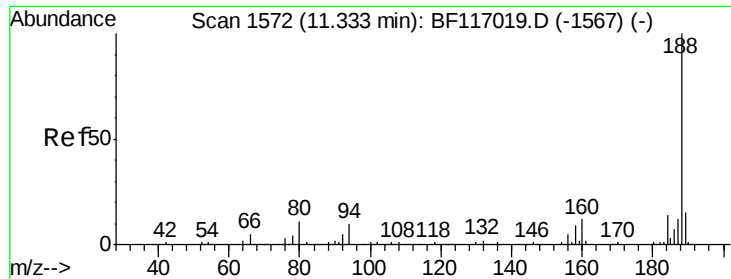
Abundance

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





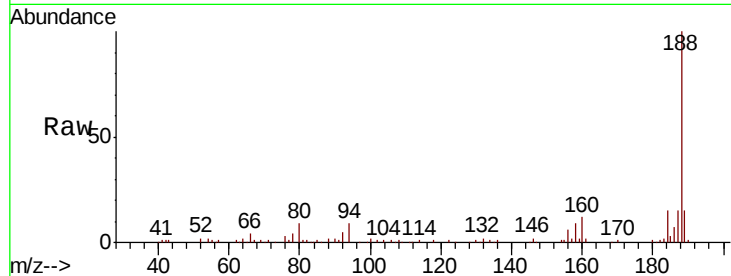
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Instrument :
BNA_F
ClientSampled :
SB-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	91905		
94	8.9		8.2	12.2
80	9.1		9.0	13.6

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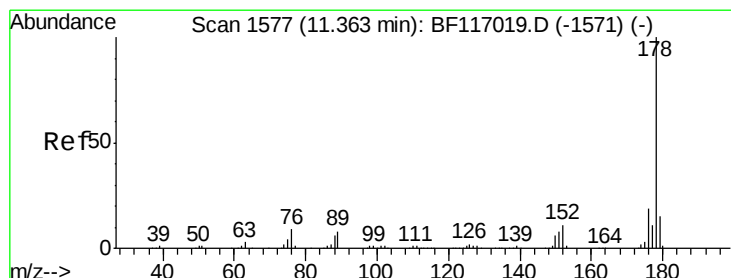
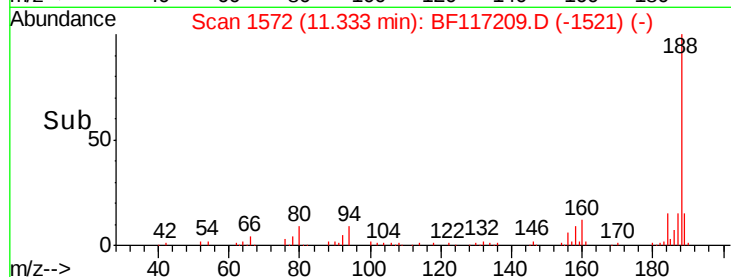
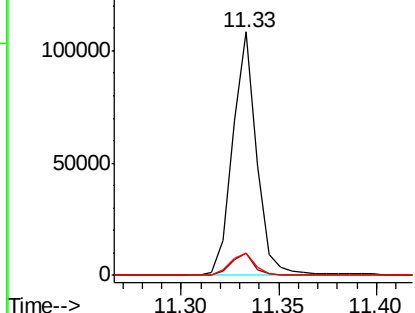


Abundance

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: 6.200 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

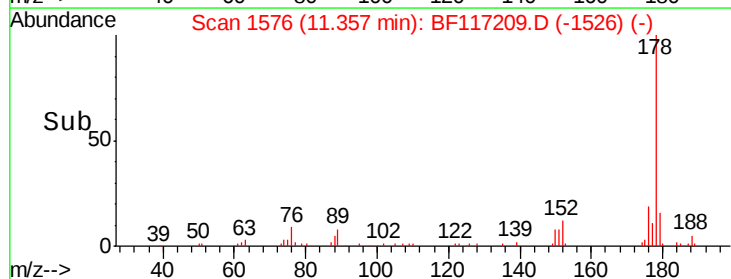
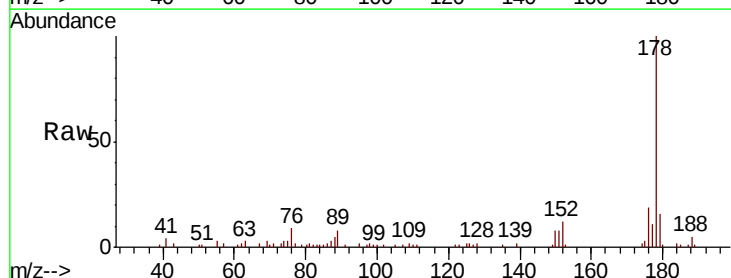
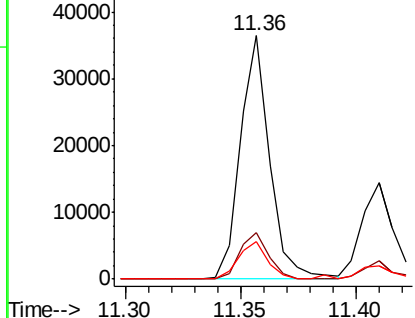
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	32367		
176	19.1		15.4	23.2
179	15.6		12.4	18.6

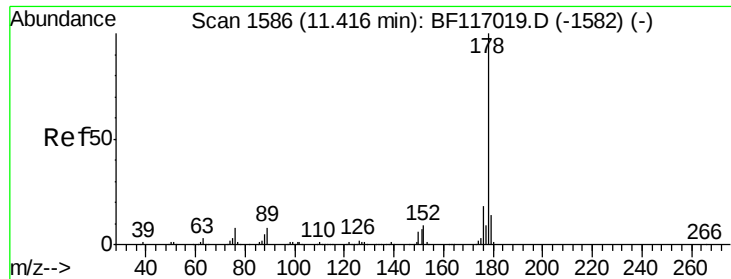
Abundance

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





#72

Anthracene

Concen: 2.865 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF117209.D

Acq: 23 Sep 2019 17:13

Instrument :

BNA_F

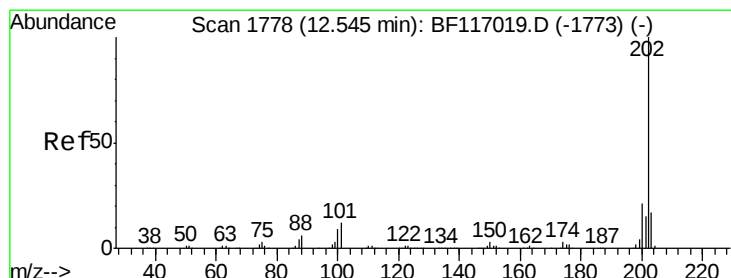
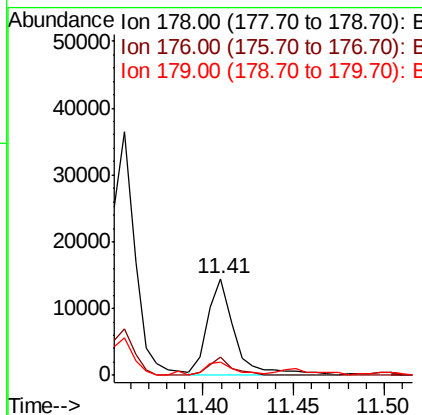
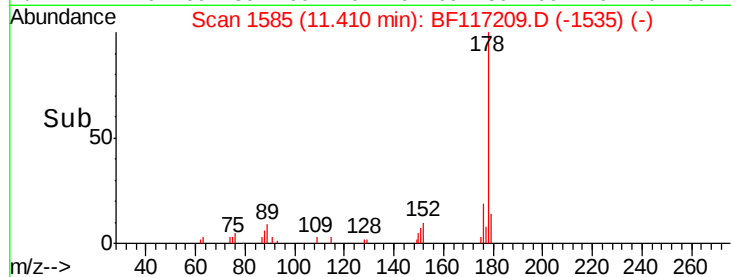
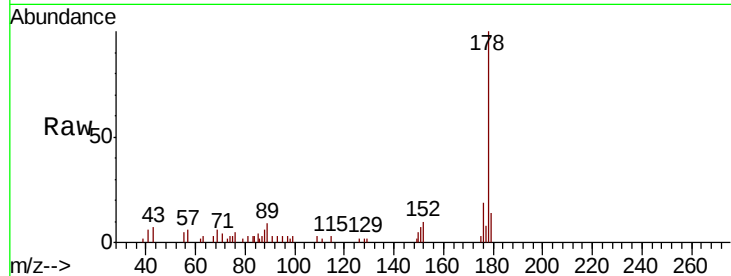
ClientSampled :

SB-1

Tot Ion:	178	Resp:	15267
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.6	21.8
179	13.7	11.6	17.4

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#75

Fluoranthene

Concen: 14.687 ng

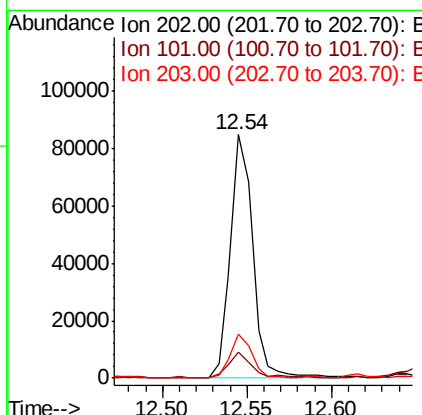
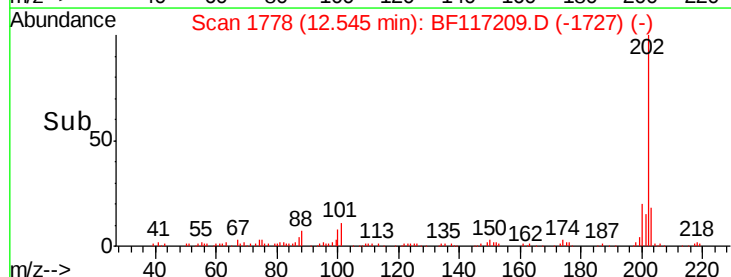
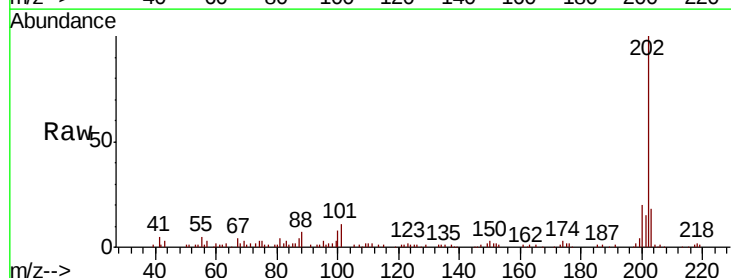
RT: 12.54 min Scan# 1778

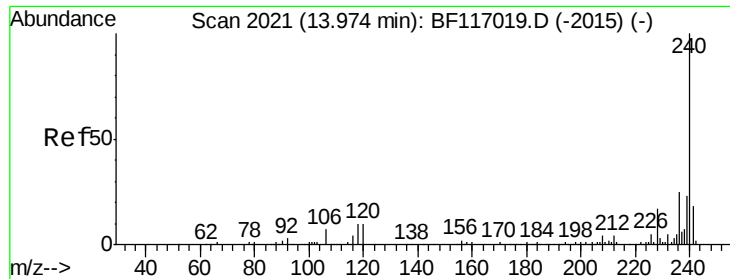
Delta R.T. 0.00 min

Lab File: BF117209.D

Acq: 23 Sep 2019 17:13

Tgt Ion:	202	Resp:	78777
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	32.3
203	18.3	0.0	37.1





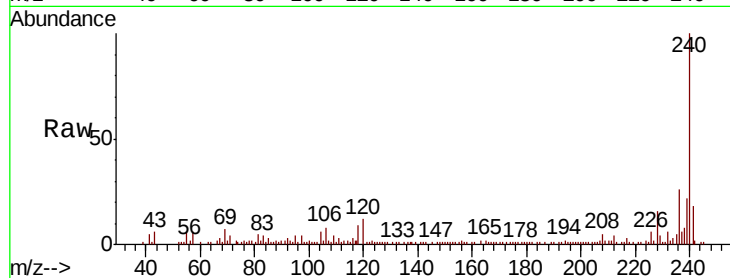
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.3	12.5
236	26.4	20.3	30.5

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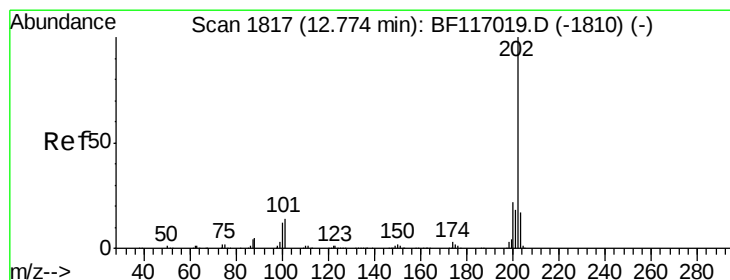
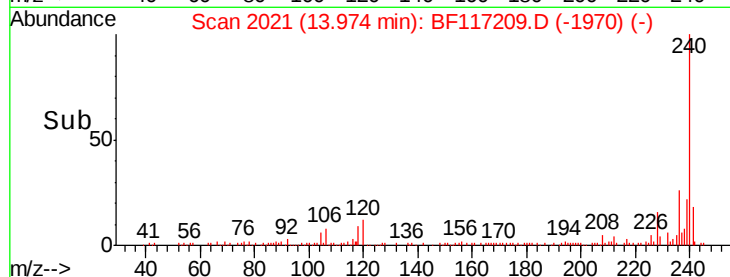
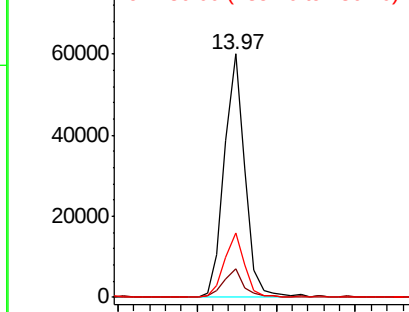


Abundance

Ion 240.00 (239.70 to 240.70): E

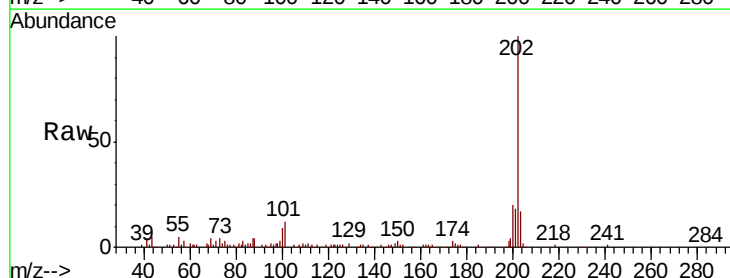
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 18.027 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.2	25.8
203	16.9	14.0	21.0

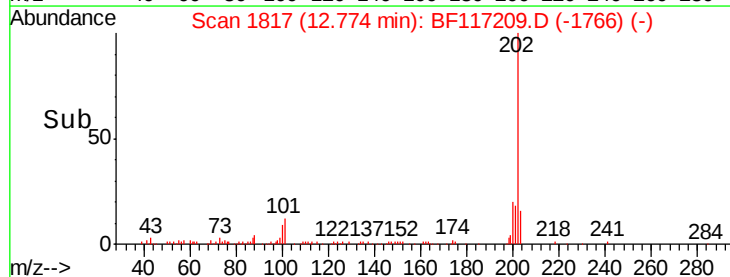
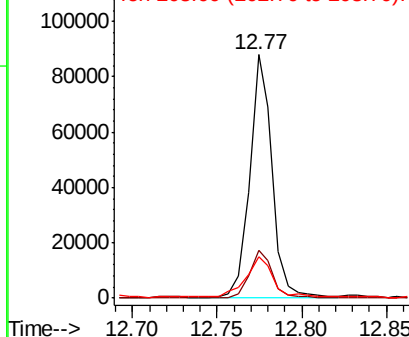


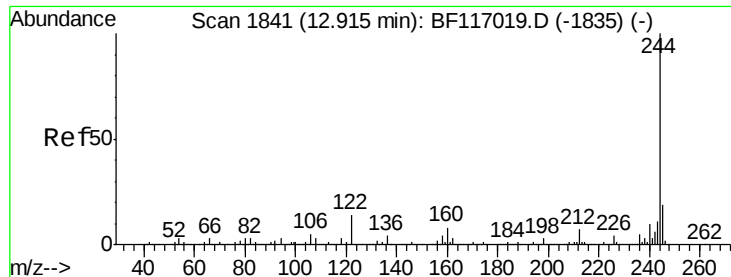
Abundance

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





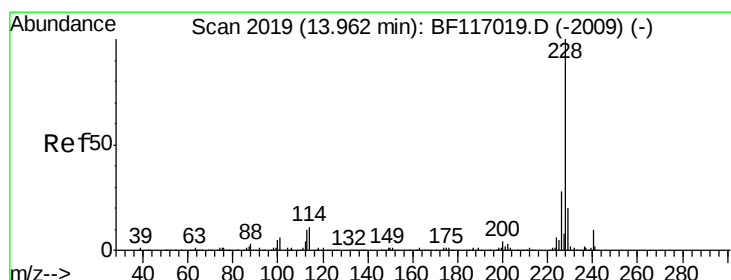
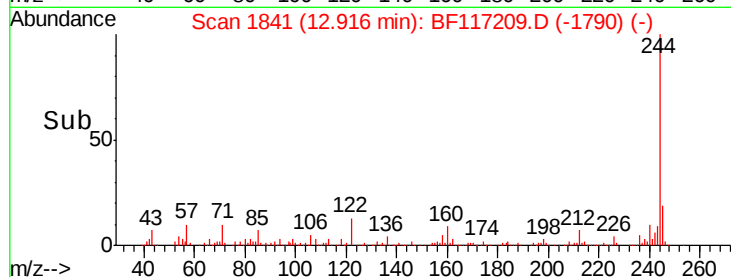
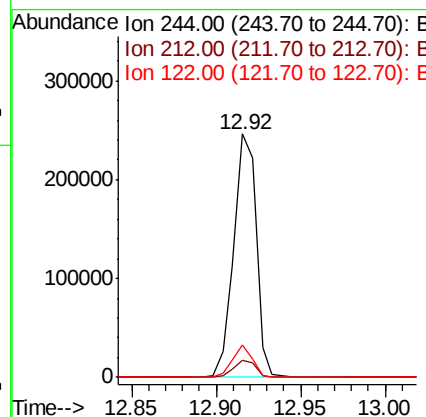
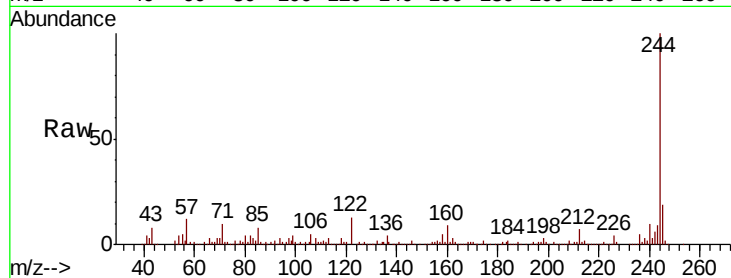
#79
 Terphenyl-d14
 Concen: 78.560 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117209.D
 Acq: 23 Sep 2019 17:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	13.3	11.3	16.9

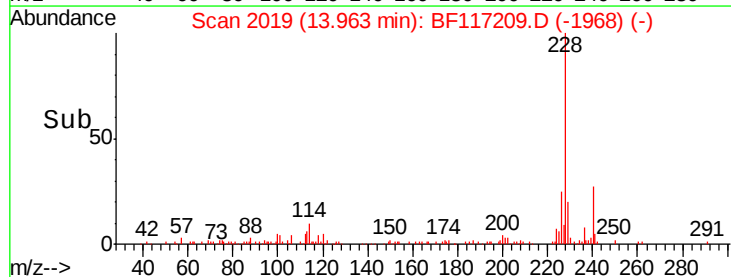
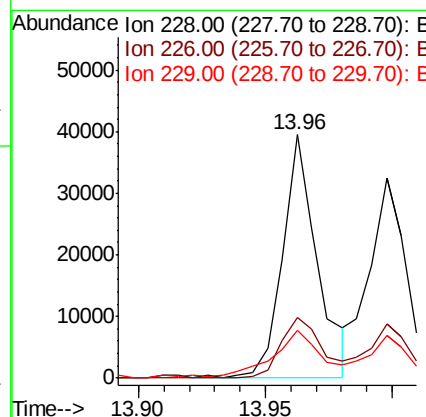
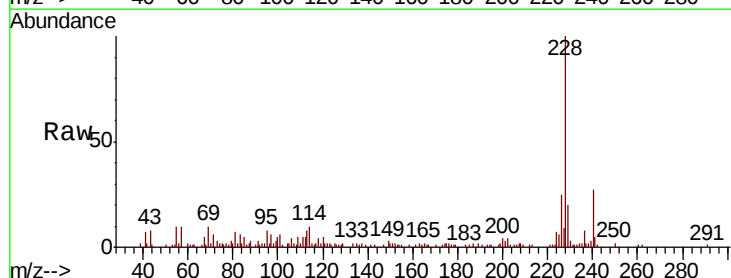
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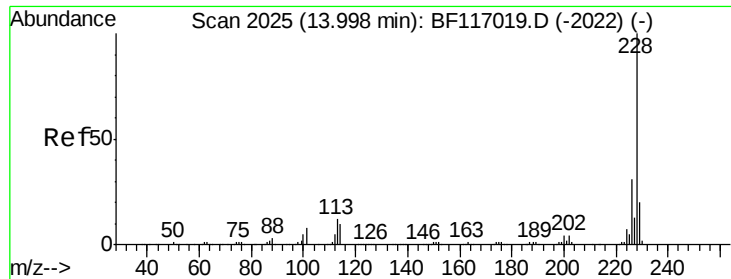
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#81
 Benzo(a)anthracene
 Concen: 10.465 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF117209.D
 Acq: 23 Sep 2019 17:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.0	22.3	33.5
229	19.6	15.9	23.9





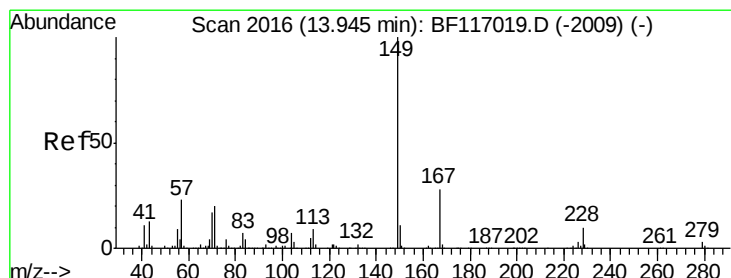
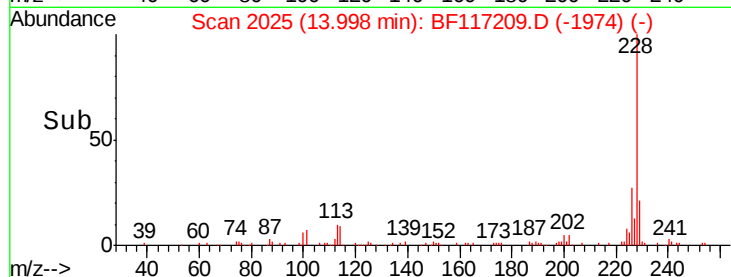
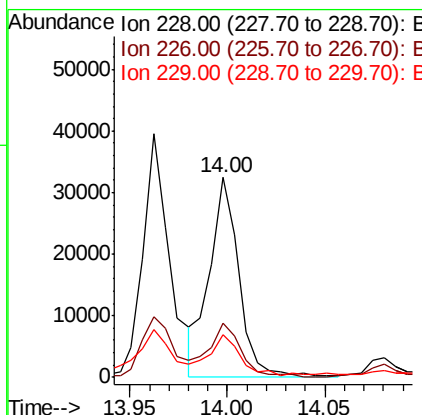
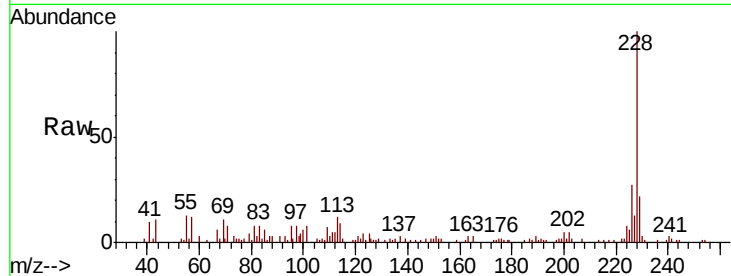
#83
Chrysene
Concen: 9.703 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Instrument :
BNA_F
ClientSampled :
SB-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	24.8	37.2
229	21.5	15.8	23.8

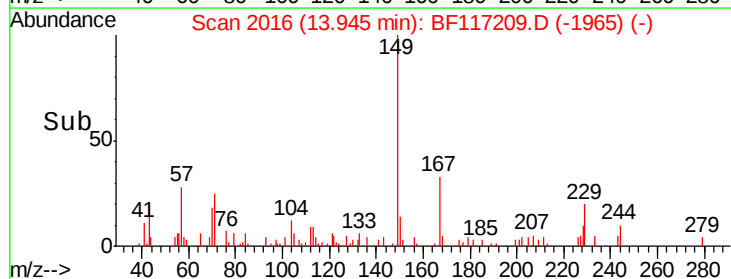
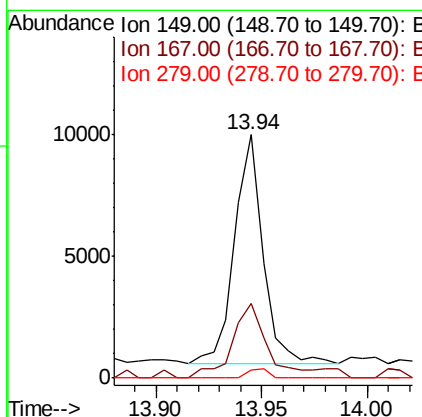
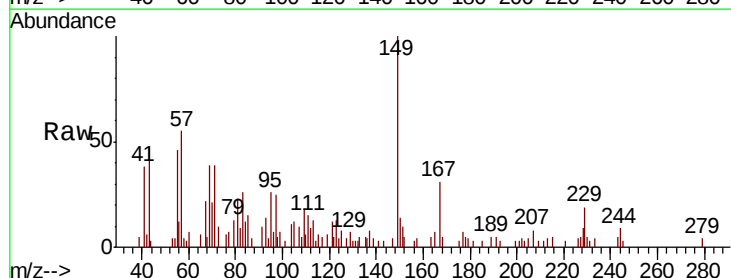
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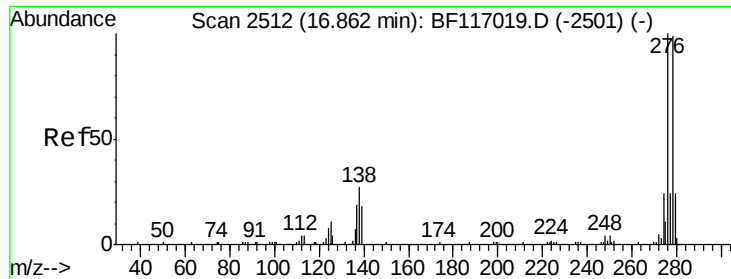
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.192 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.6	22.2	33.2
279	3.6	2.8	4.2





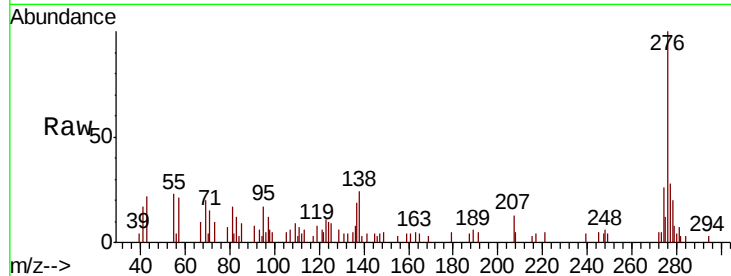
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.003 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	20.7	31.1
277	28.1	19.8	29.8

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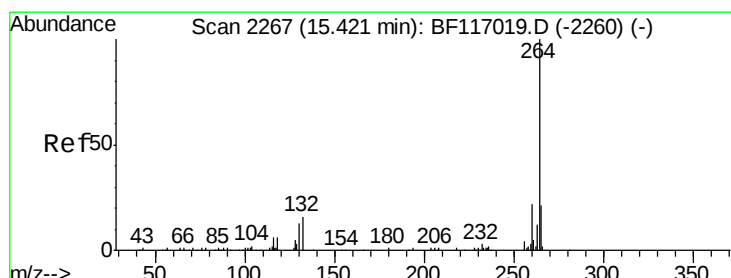
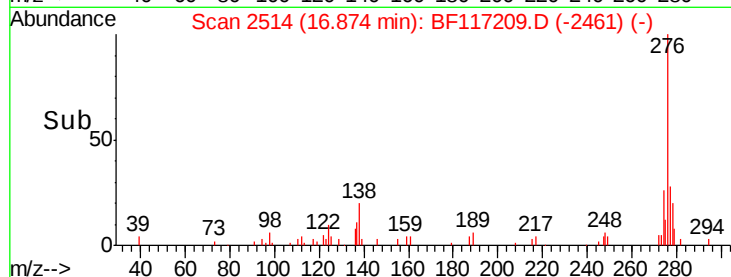
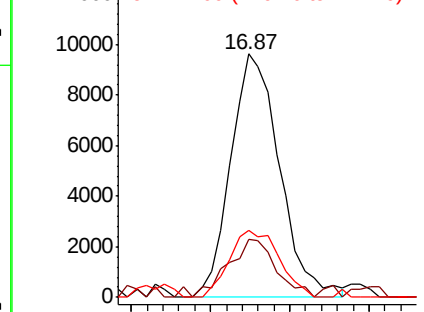


Abundance

Ion 276.00 (275.70 to 276.70): E

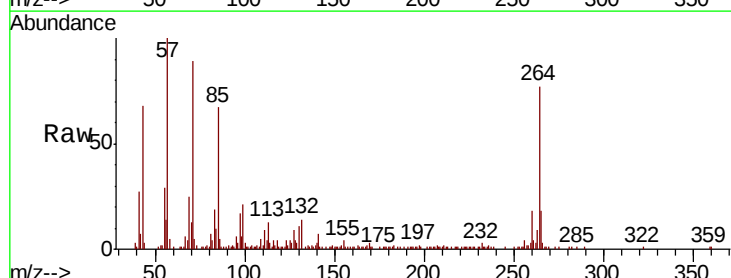
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.6	26.4
265	23.0	16.6	24.8

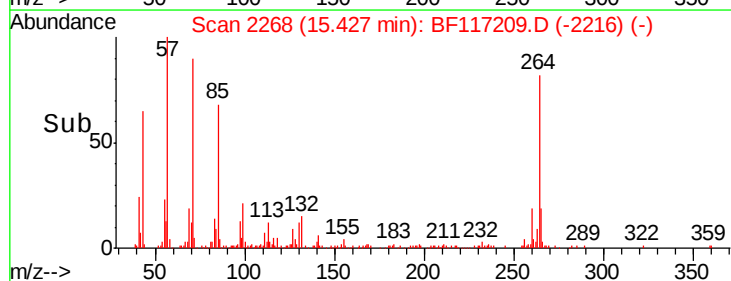
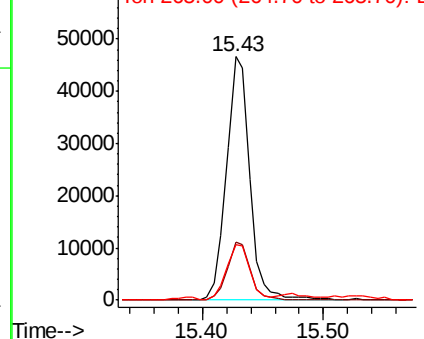


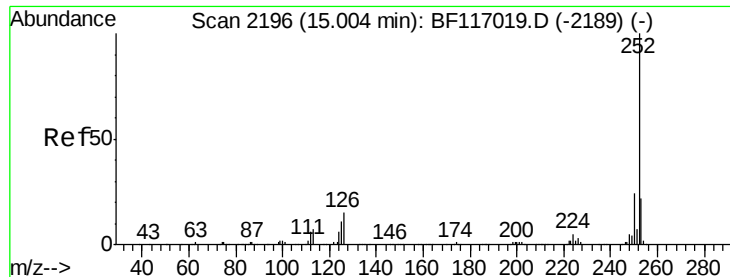
Abundance

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





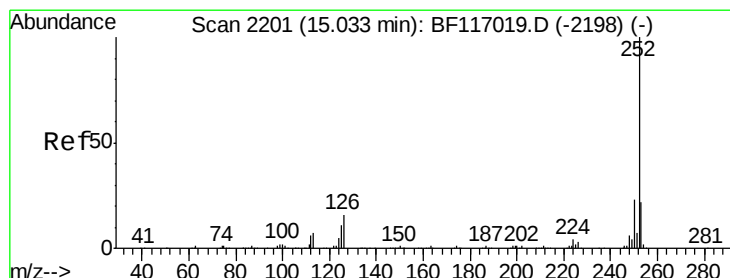
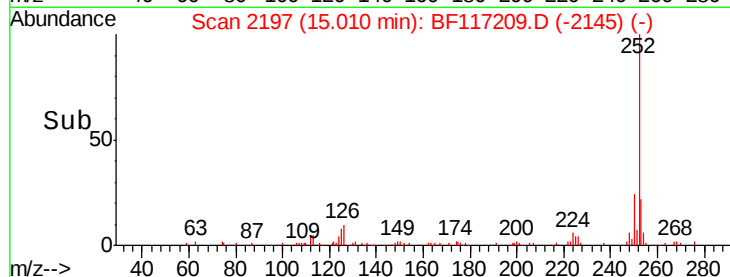
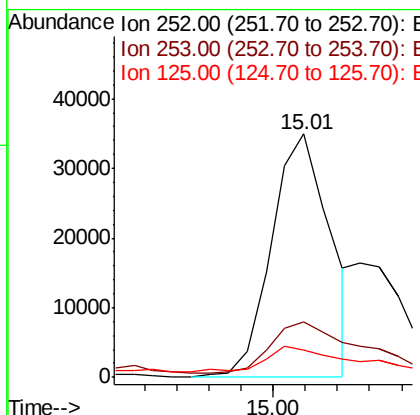
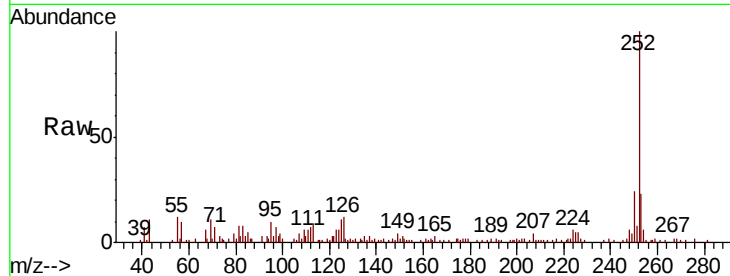
#88
Benzo(b)fluoranthene
Concen: 11.688 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Instrument :
BNA_F
ClientSampled :
SB-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	11.1	8.6	12.8

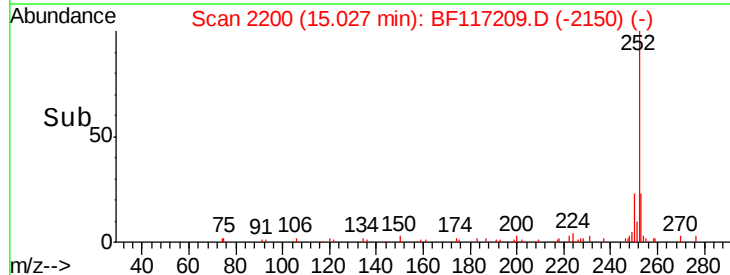
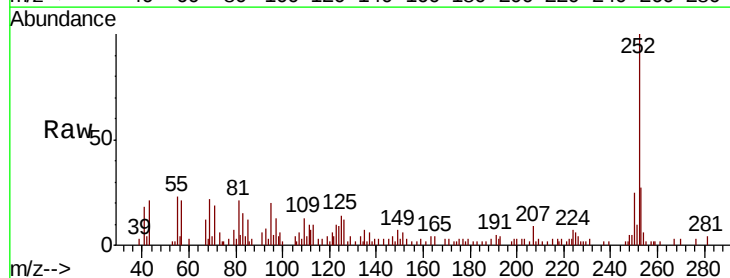
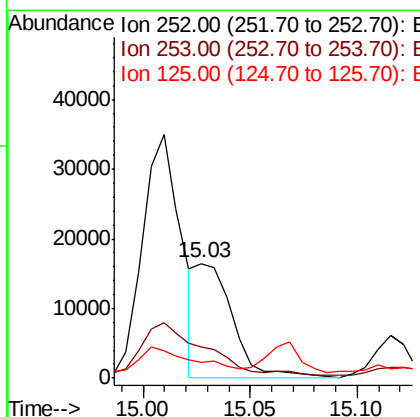
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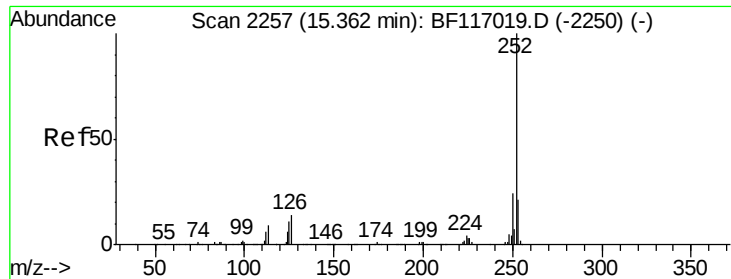
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#89
Benzo(k)fluoranthene
Concen: 5.510 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF117209.D
Acq: 23 Sep 2019 17:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.4	26.2#
125	14.0	8.8	13.2#





#90

Benzo(a)pyrene

Concen: 9.974 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BF117209.D

Acq: 23 Sep 2019 17:13

Instrument :

BNA_F

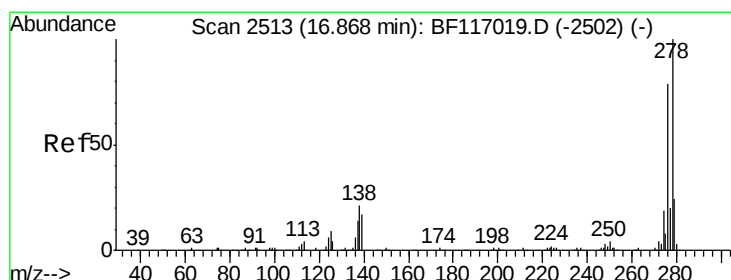
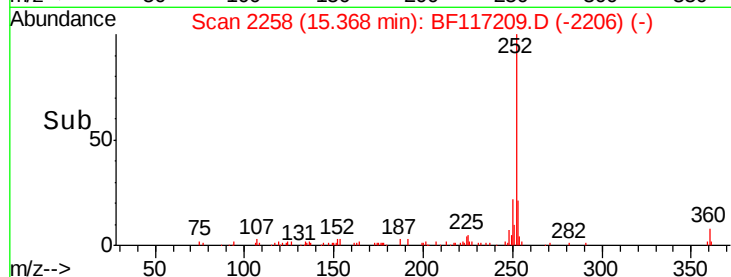
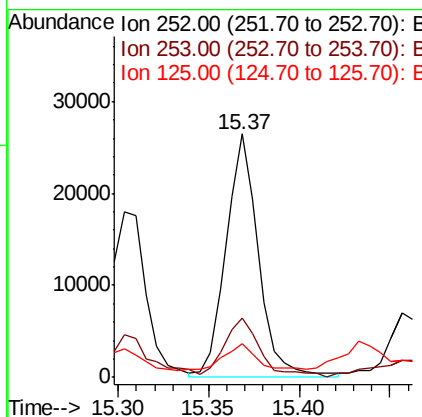
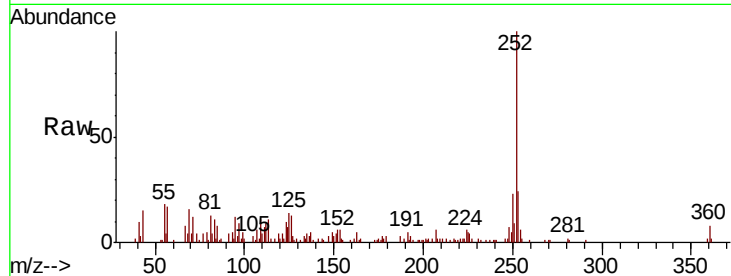
ClientSampleId :

SB-1

Tot Ion:	252	Resp:	33038
Ion Ratio	Lower	Upper	
252	100		
253	24.5	16.6	25.0
125	13.7	8.9	13.3#

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#91

Dibenzo(a,h)anthracene

Concen: 2.347 ng

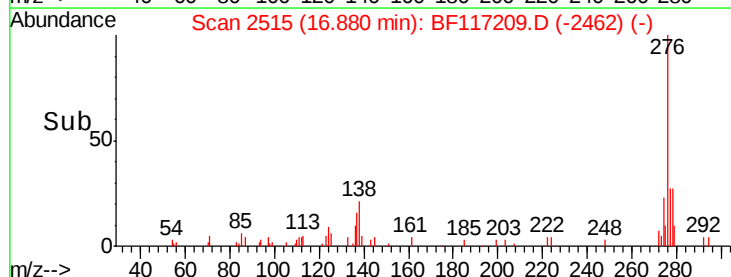
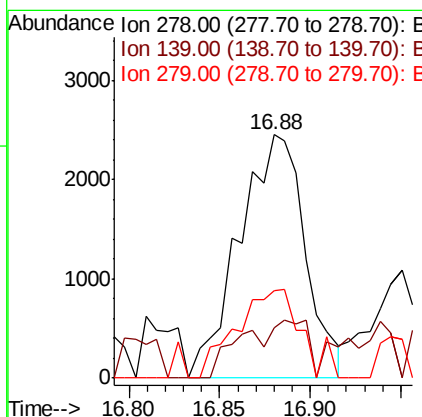
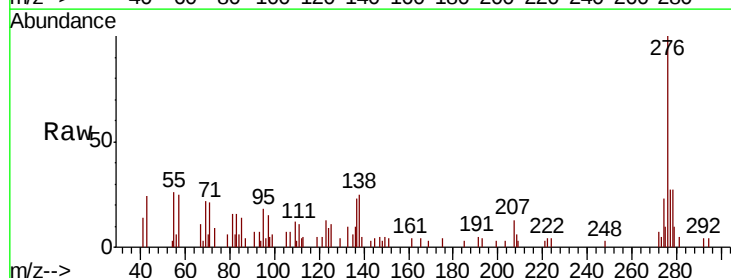
RT: 16.88 min Scan# 2515

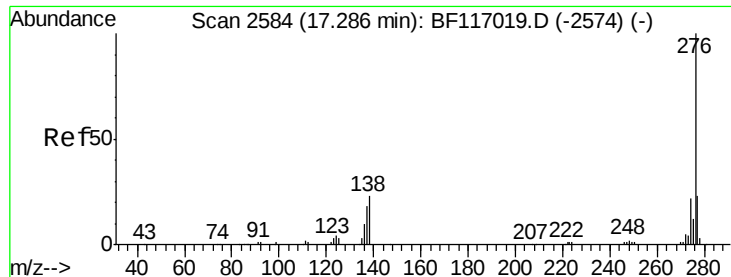
Delta R.T. 0.01 min

Lab File: BF117209.D

Acq: 23 Sep 2019 17:13

Tgt Ion:	278	Resp:	6193
Ion Ratio	Lower	Upper	
278	100		
139	20.5	13.5	20.3#
279	35.8	18.8	28.2#





#92
 Benzo(a,h,i)perylene
 Concen: 6.748 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. 0.04 min
 Lab File: BF117209.D
 Acq: 23 Sep 2019 17:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	19.2	18.6	27.8	
138	15.0	18.0	27.0	

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