

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117580.D
 Acq On : 29 Oct 2019 10:30
 Operator : JU
 Sample : K5563-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
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 10/30/2019 4:52:33 PM

Quant Time: Oct 30 02:16:09 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	50094	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	207137	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	103347	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	147377	20.00	ng	0.00
76) Chrysene-d12	13.89	240	86035	20.00	ng	0.00
87) Perylene-d12	15.33	264	103298	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	245487	72.91	ng	0.00
7) Phenol-d6	6.39	99	335924	74.28	ng	0.00
23) Nitrobenzene-d5	7.29	82	195039	46.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	52184	58.36	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	282726	38.55	ng	-0.01
79) Terphenyl-d14	12.83	244	177836	33.72	ng	0.00
Target Compounds						
10) Phenol	6.40	94	12065	2.614	ng	85
31) Naphthalene	8.03	128	24144	2.352	ng	# 84
50) Dimethylphthalate	9.48	163	56107	7.615	ng	97
71) Phenanthrene	11.27	178	57473	6.716	ng	98
75) Fluoranthene	12.46	202	106384	12.418	ng	99
78) Pyrene	12.69	202	92373	12.500	ng	99
81) Benzo(a)anthracene	13.88	228	43989	7.580	ng	97
83) Chrysene	13.92	228	40593m	7.137	ng	
86) Indeno(1,2,3-cd)pyrene	16.74	276	32761	7.715	ng	98
88) Benzo(b)fluoranthene	14.92	252	63057m	10.337	ng	
89) Benzo(k)fluoranthene	14.94	252	17446m	2.790	ng	
90) Benzo(a)pyrene	15.27	252	48125	8.677	ng	# 93
92) Benzo(a,h,i)perylene	17.18	276	29462	6.493	ng	98

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

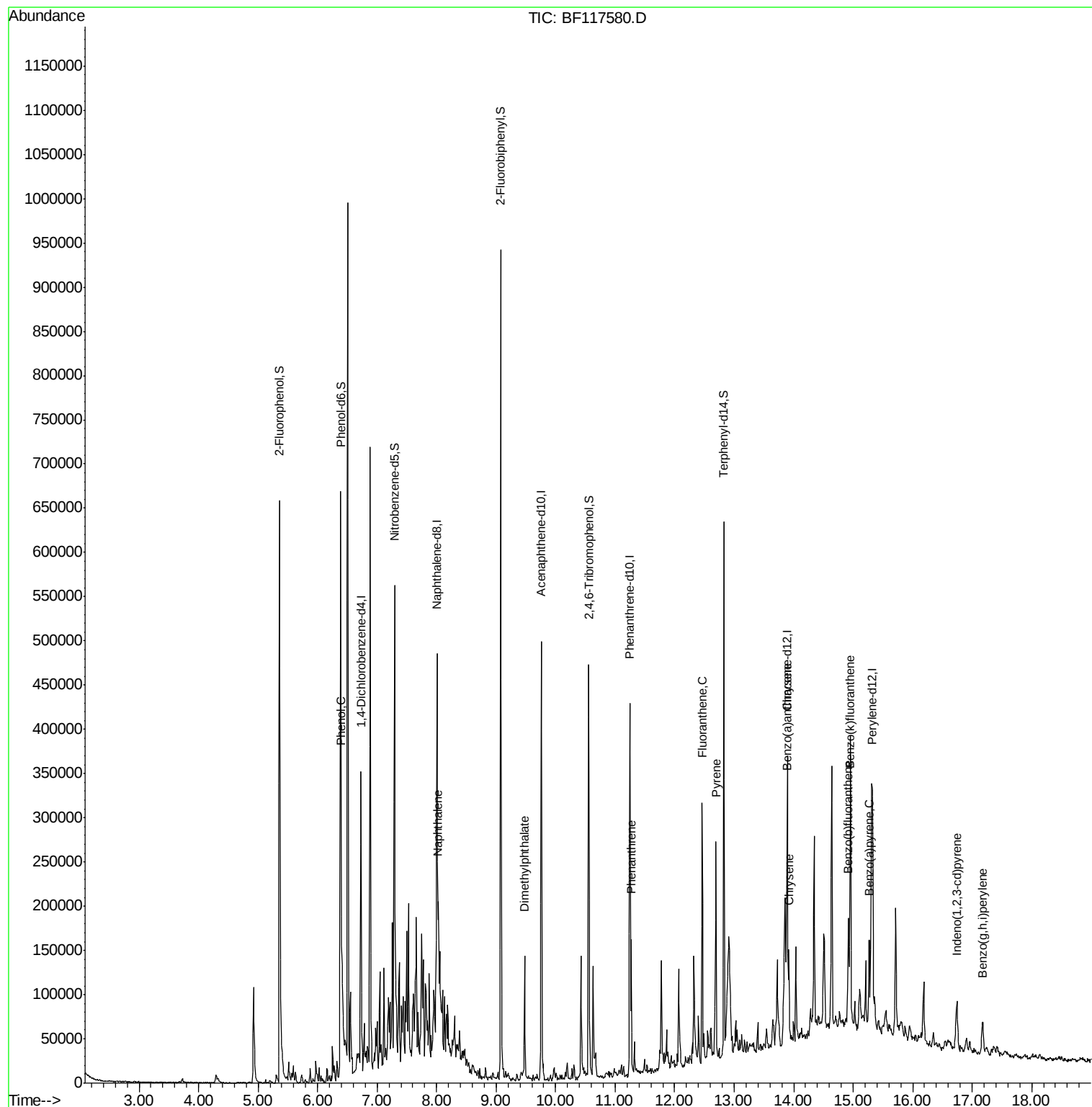
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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ALS Vial : 3 Sample Multiplier: 1

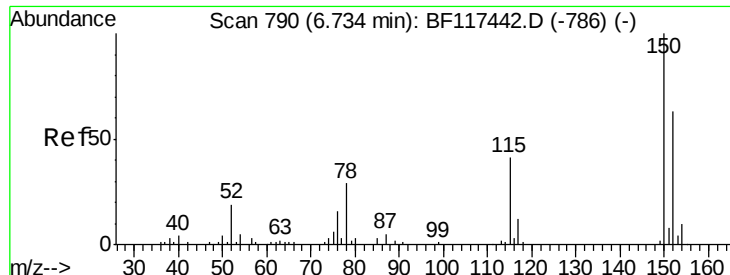
Instrument :
BNA_F
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TP-1

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#1

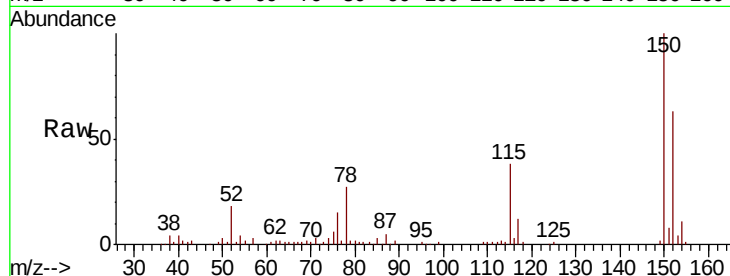
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.8	190.2
115	60.0	51.6	77.4

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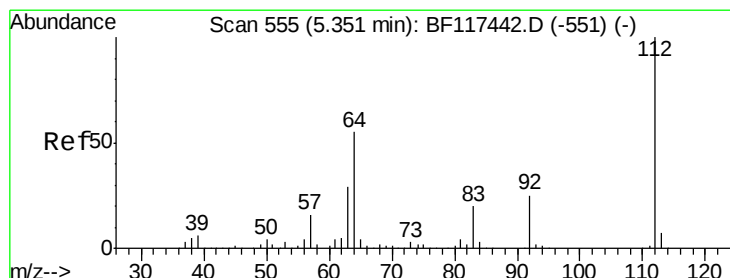
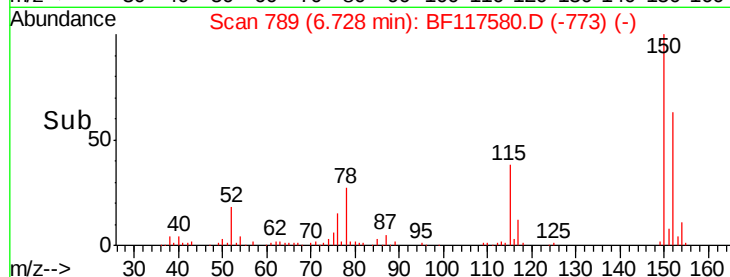
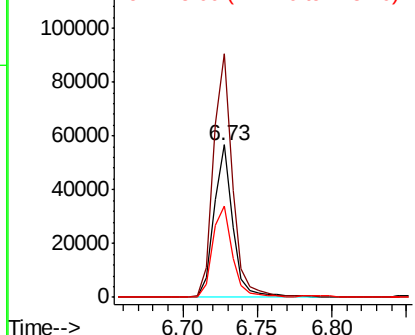


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

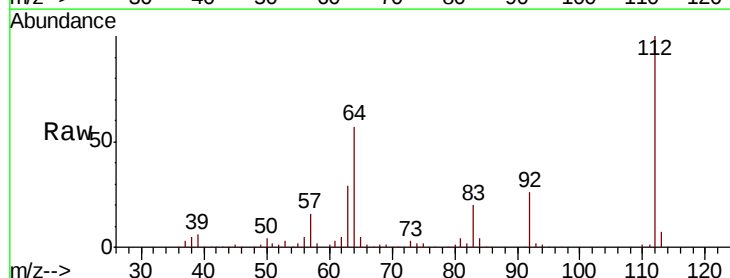
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 72.905 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	44.1	66.1
63	29.1	23.4	35.2

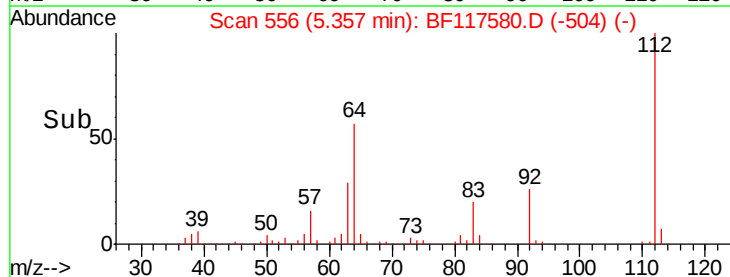
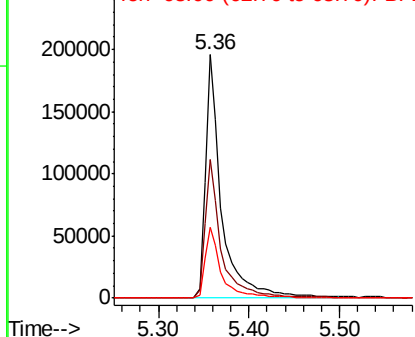


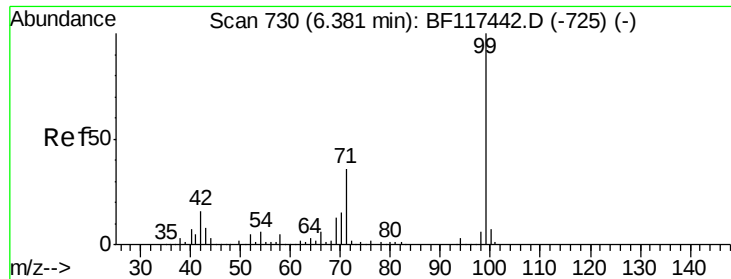
Abundance

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: 74.278 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

Instrument :

BNA_F

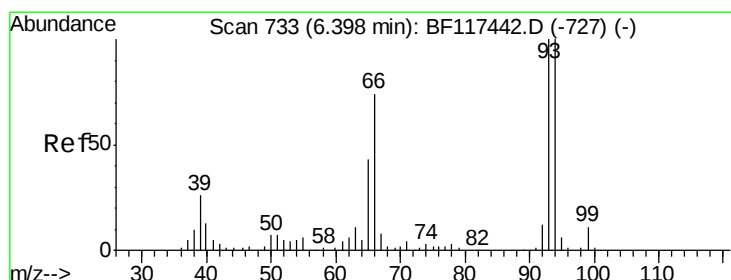
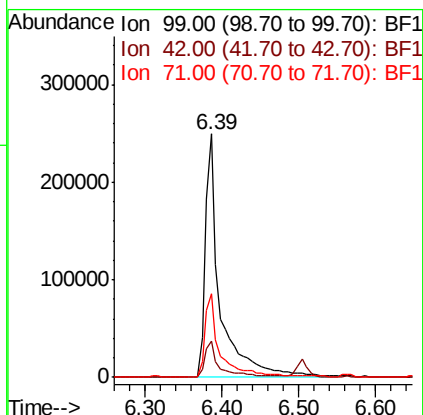
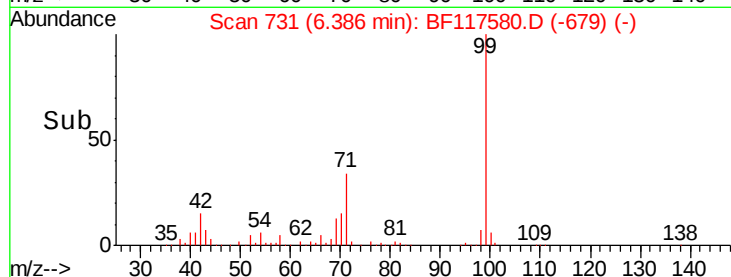
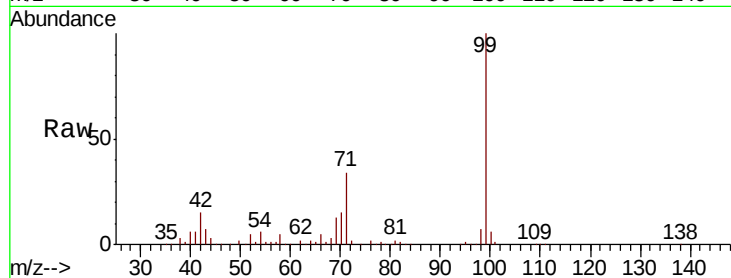
ClientSampleId :

TP-1

Tot Ion:	99	Resp:	335924
Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.8	19.2
71	34.4	28.6	43.0

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#10

Phenol

Concen: 2.614 ng

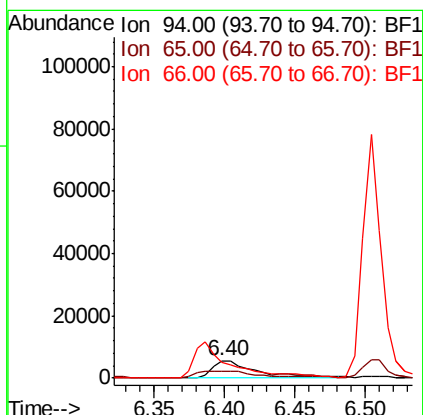
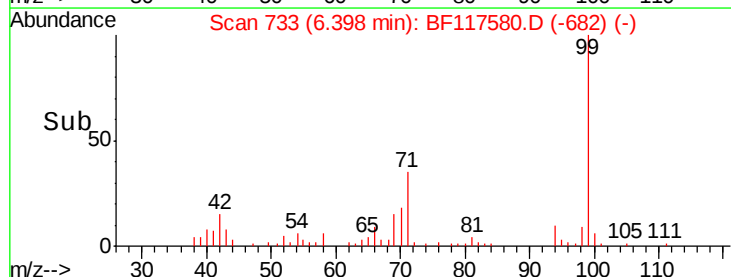
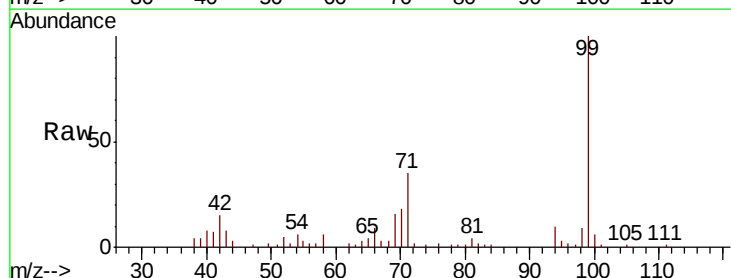
RT: 6.40 min Scan# 733

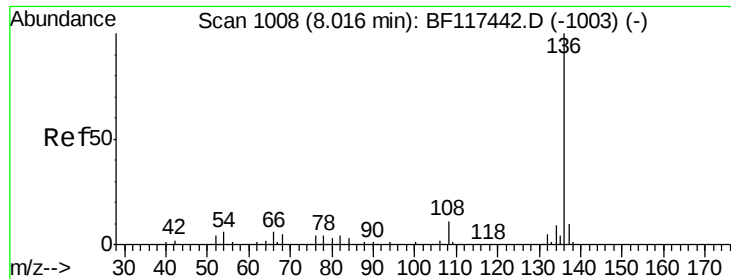
Delta R.T. -0.00 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

Tgt Ion:	94	Resp:	12065
Ion	Ratio	Lower	Upper
94	100		
65	39.3	23.4	63.4
66	92.1	54.7	94.7





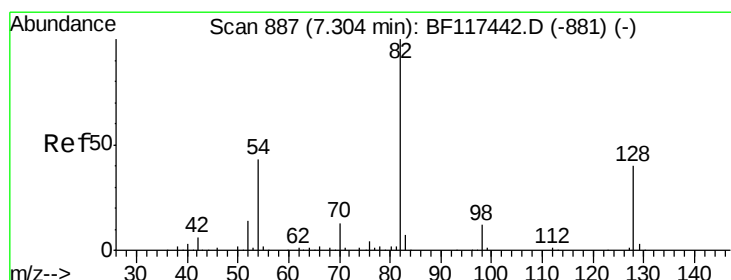
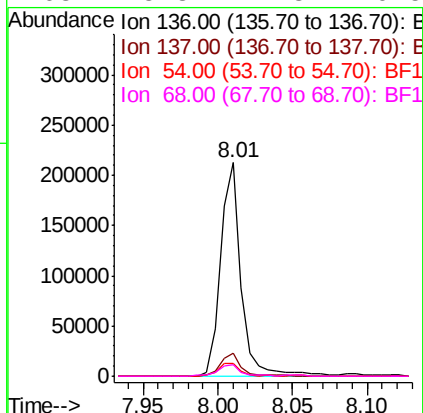
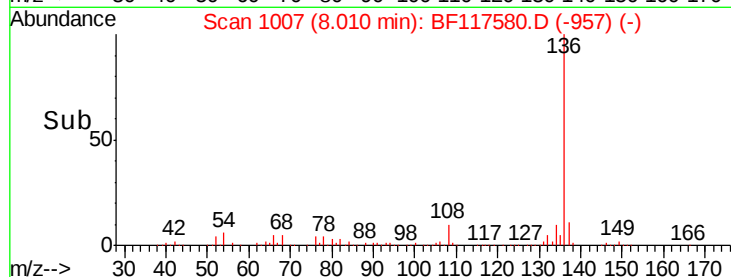
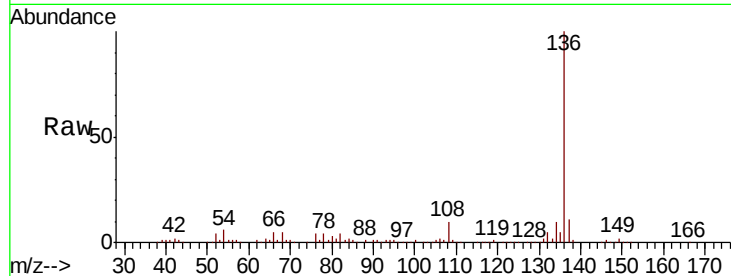
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100	207137		
137	11.1	8.2	12.4	
54	6.3	4.5	6.7	
68	5.3	4.3	6.5	

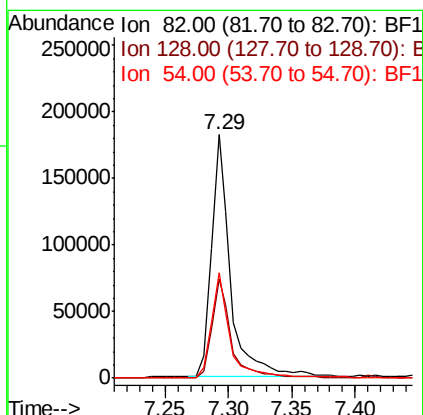
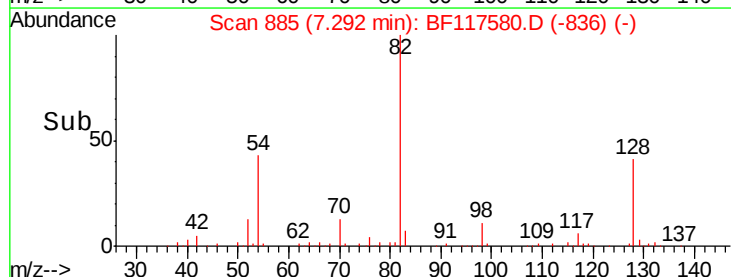
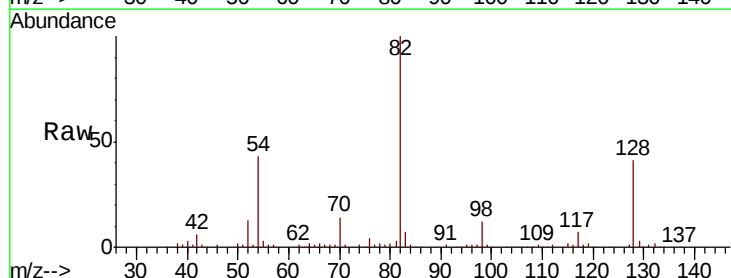
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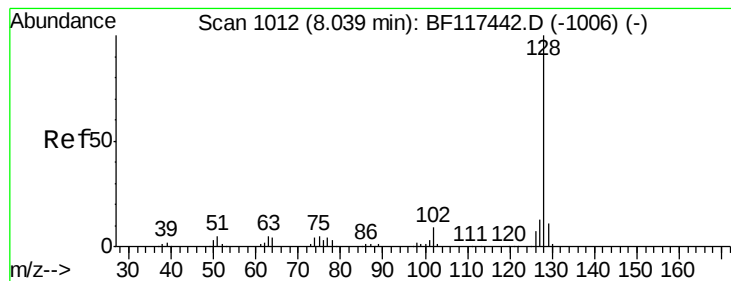
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#23
Nitrobenzene-d5
Concen: 46.485 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	195039		
128	40.7	32.2	48.2	
54	43.1	34.2	51.2	





#31

Naphthalene

Concen: 2.352 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

Instrument :

BNA_F

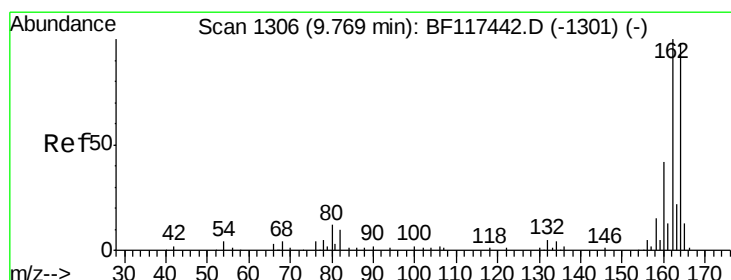
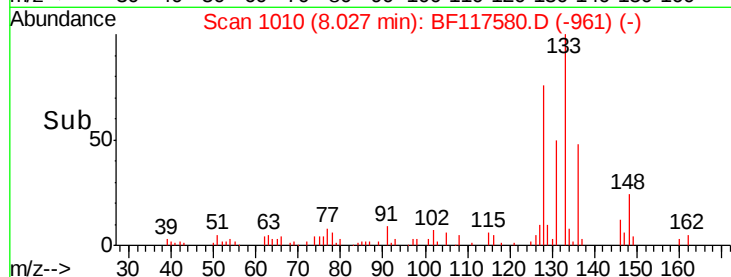
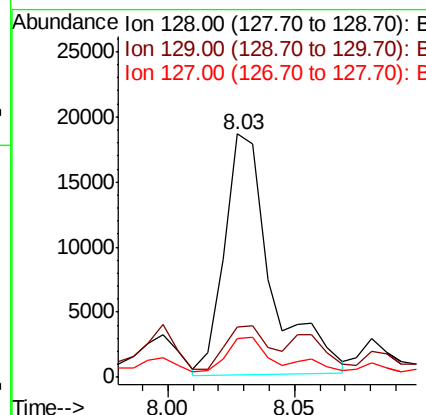
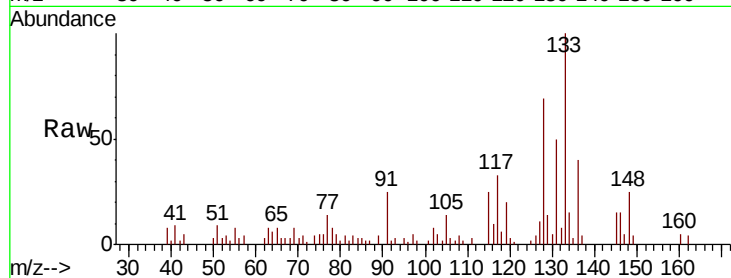
ClientSampleId :

TP-1

Tot Ion:	128	Resp:	24144
Ion Ratio	Lower	Upper	
128	100		
129	20.7	9.0	13.4#
127	16.1	10.2	15.2#

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#39

Acenaphthene-d10

Concen: 20.000 ng

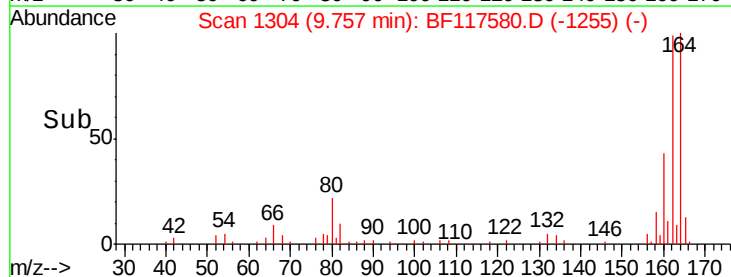
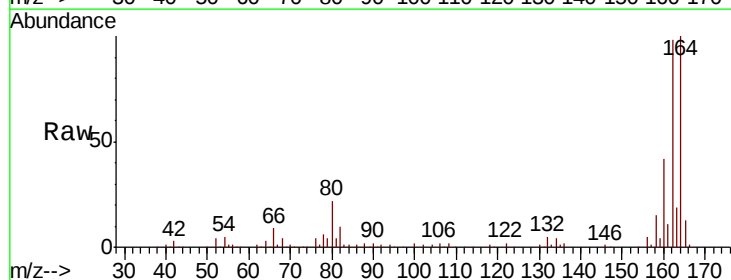
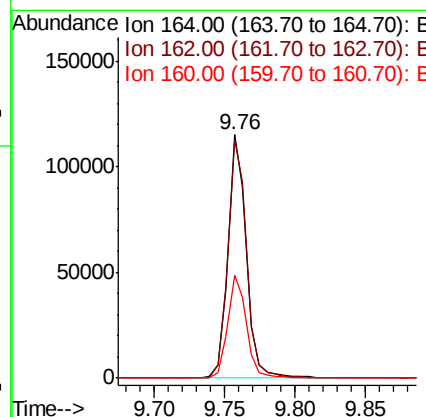
RT: 9.76 min Scan# 1304

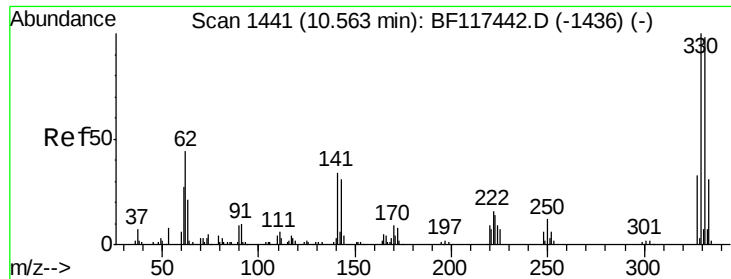
Delta R.T. -0.01 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

Tgt Ion:	164	Resp:	103347
Ion Ratio	Lower	Upper	
164	100		
162	97.9	81.8	122.6
160	42.3	34.4	51.6





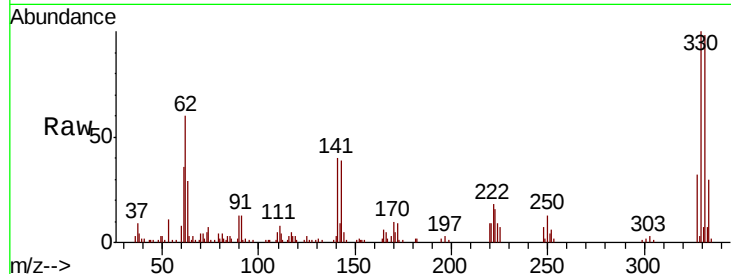
#42
 2,4,6-Tribromophenol
 Concen: 58.357 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117580.D
 Acq: 29 Oct 2019 10:30

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.5	117.7
141	44.7	37.0	55.6

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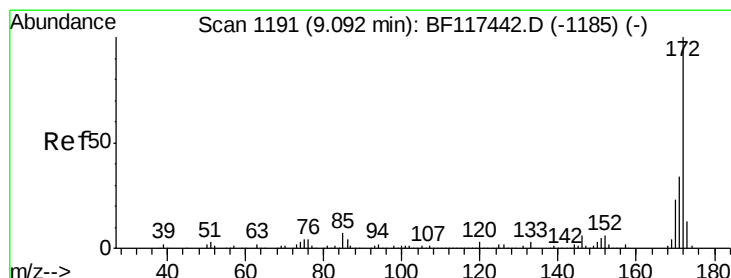
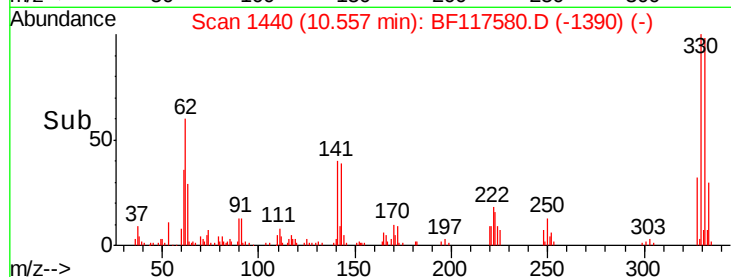
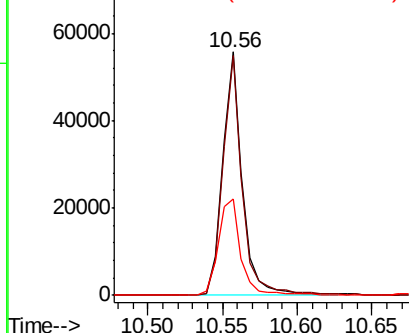


Abundance

Ion 329.80 (329.50 to 330.50): E

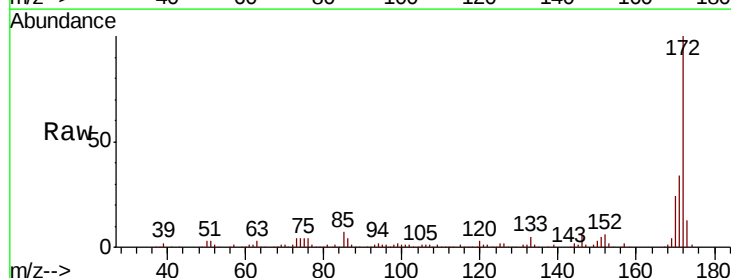
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 38.546 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117580.D
 Acq: 29 Oct 2019 10:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.5	41.3
170	23.6	18.6	27.8

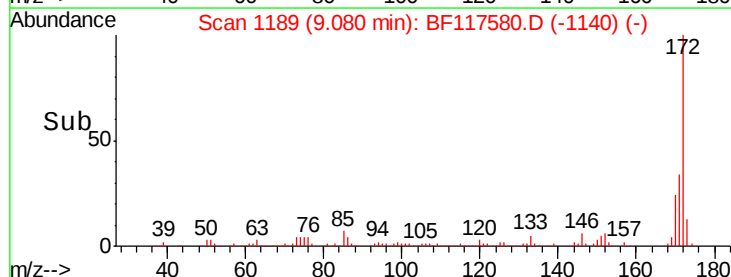
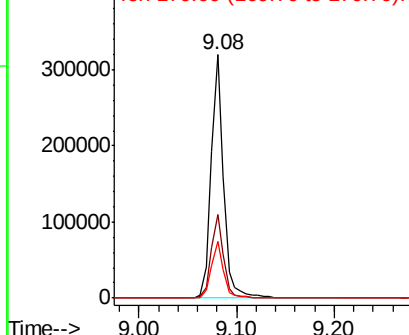


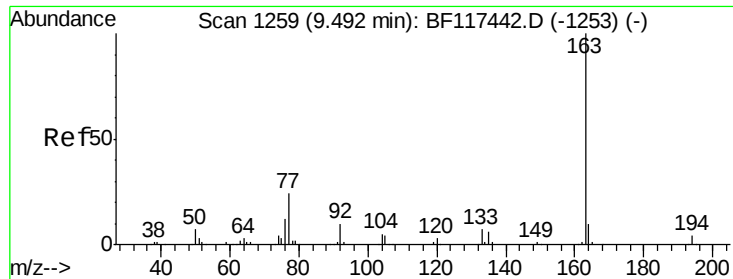
Abundance

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: 7.615 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

Instrument :

BNA_F

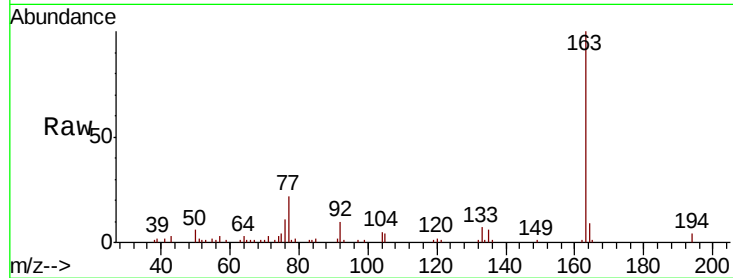
ClientSampled :

TP-1

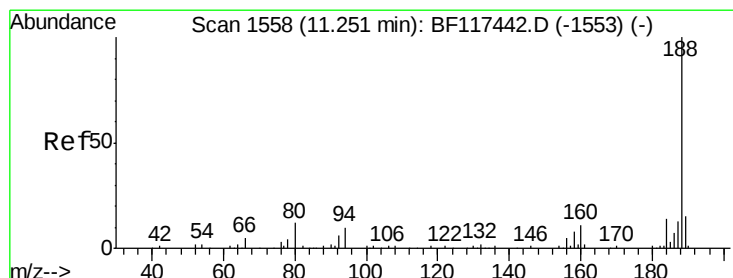
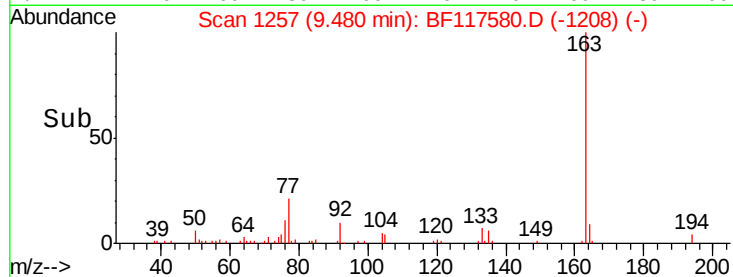
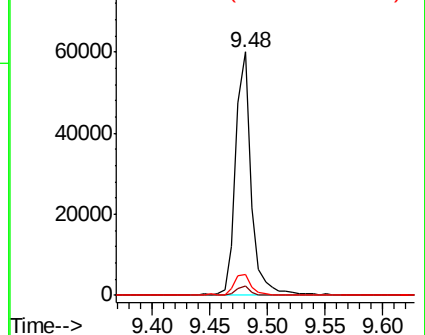
Tot Ion:	163	Resp:	56107
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.9	4.3
164	8.8	8.2	12.2

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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

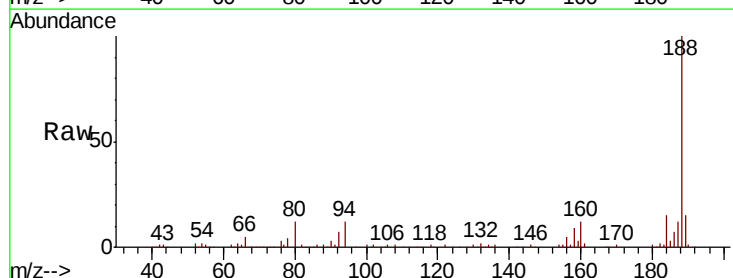
RT: 11.24 min Scan# 1557

Delta R.T. -0.01 min

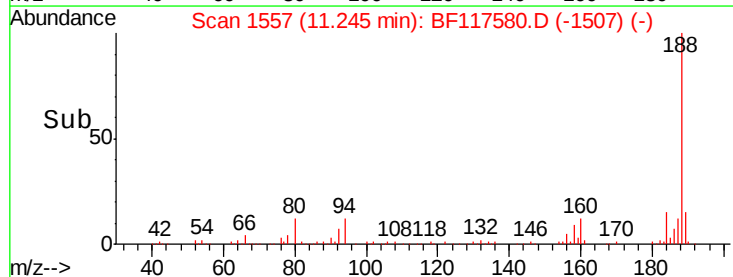
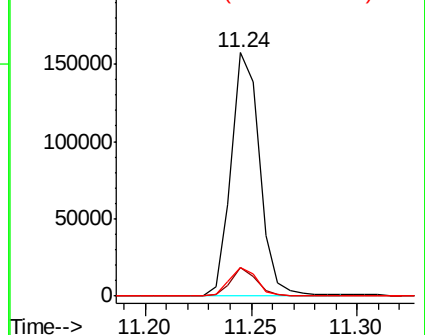
Lab File: BF117580.D

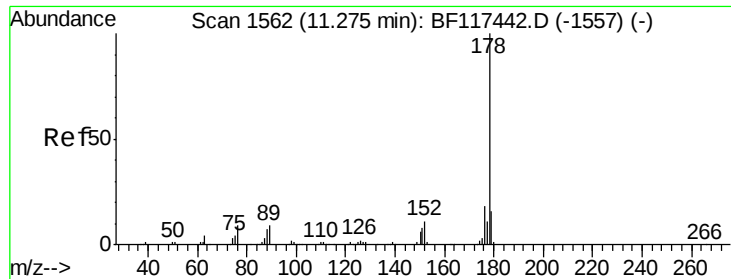
Acq: 29 Oct 2019 10:30

Tgt Ion:	188	Resp:	147377
Ion Ratio	Lower	Upper	
188	100		
94	11.5	8.0	12.0
80	11.8	9.5	14.3



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: 6.716 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

Instrument :

BNA_F

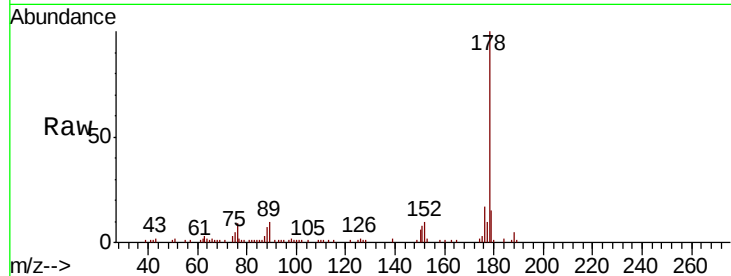
ClientSampled :

TP-1

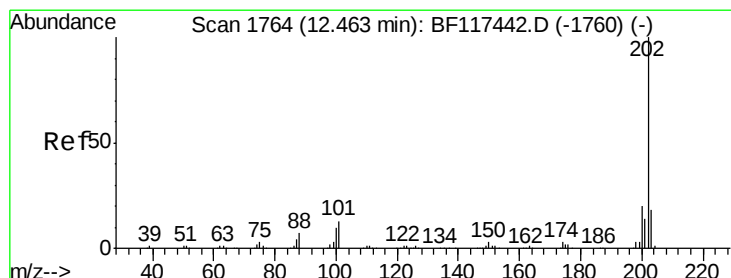
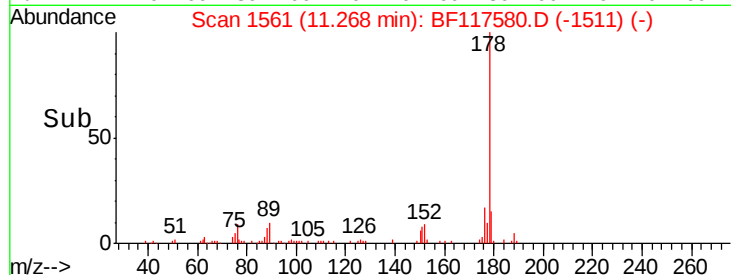
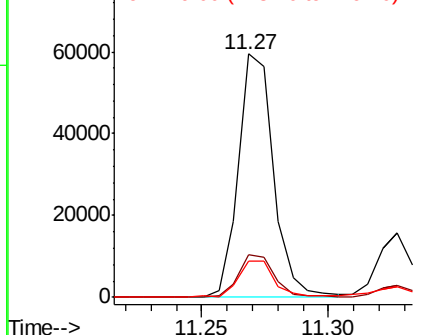
Tot Ion:	178	Resp:	57473
Ion Ratio	Lower	Upper	
178	100		
176	17.3	14.6	22.0
179	14.9	12.6	19.0

Manual Integrations
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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: 12.418 ng

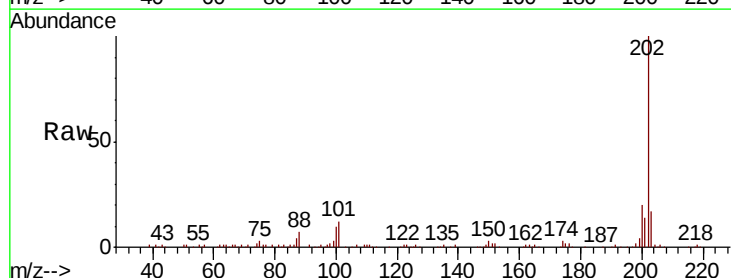
RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

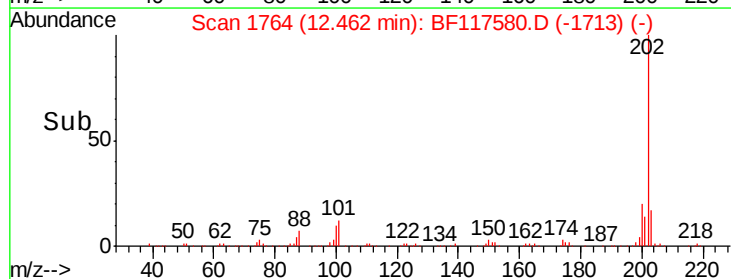
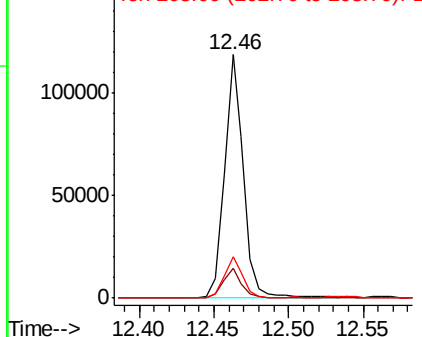
Lab File: BF117580.D

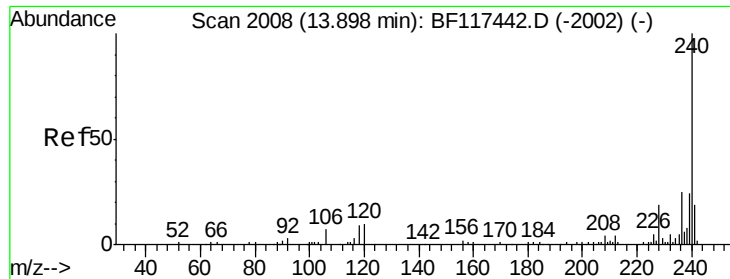
Acq: 29 Oct 2019 10:30

Tgt Ion:	202	Resp:	106384
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	32.7
203	17.1	0.0	37.6



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: BF117580.D

Acq: 29 Oct 2019 10:30

Instrument :

BNA_F

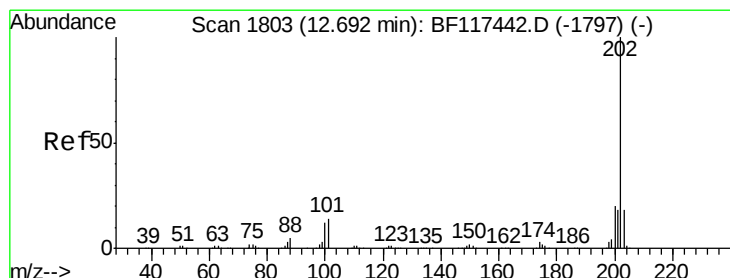
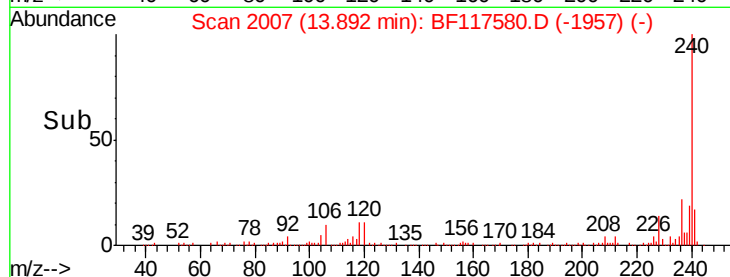
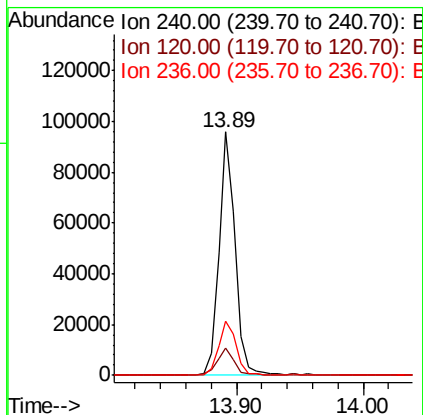
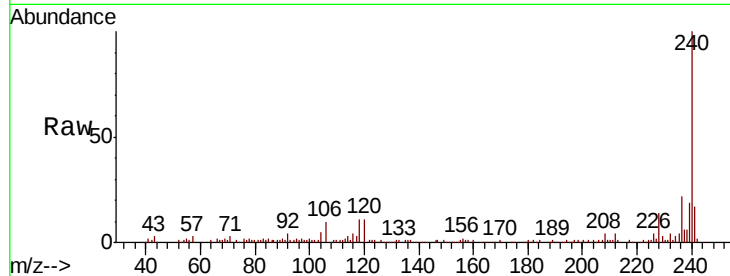
ClientSampleId :

TP-1

Tot Ion	Ratio	Resp	Lower	Upper
240	100	86035		
120	11.4		8.4	12.6
236	22.3		20.0	30.0

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#78

Pyrene

Concen: 12.500 ng

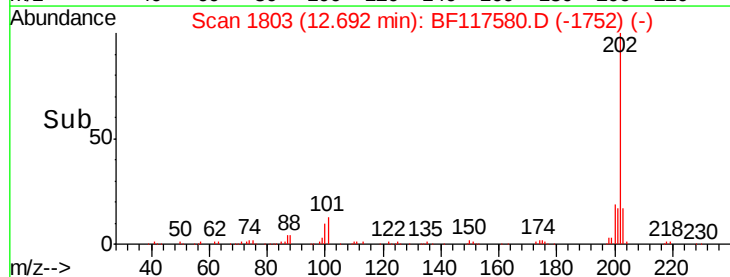
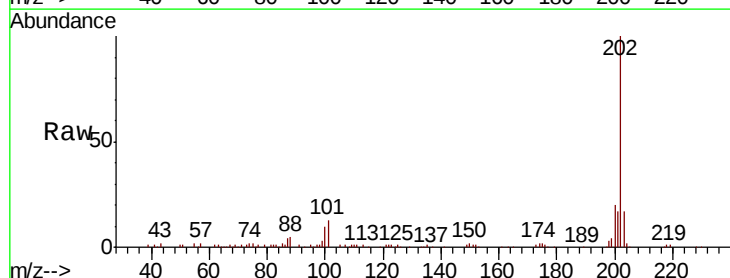
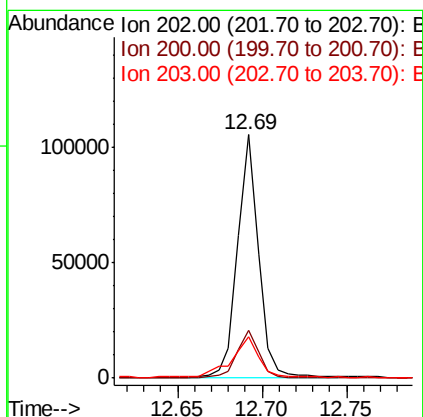
RT: 12.69 min Scan# 1803

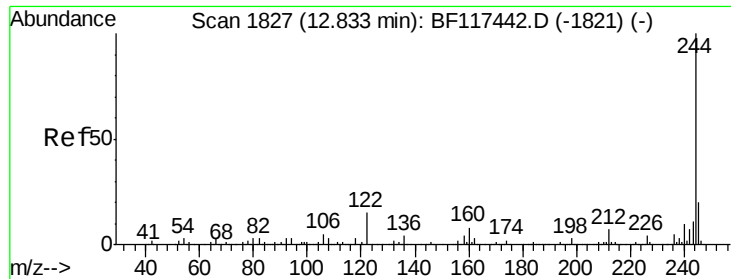
Delta R.T. -0.00 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	92373		
200	19.6		16.2	24.2
203	17.1		14.0	21.0





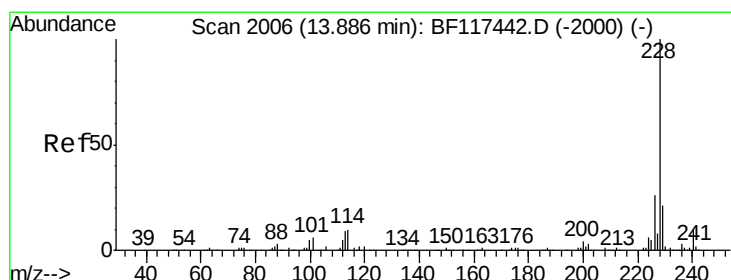
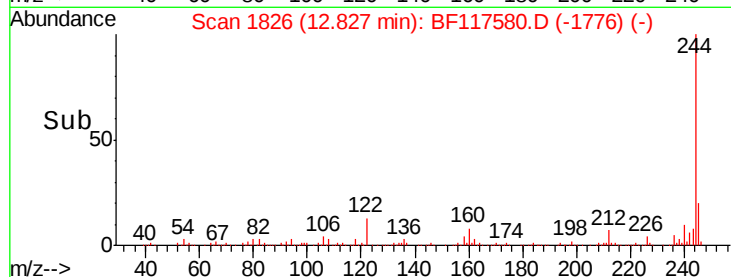
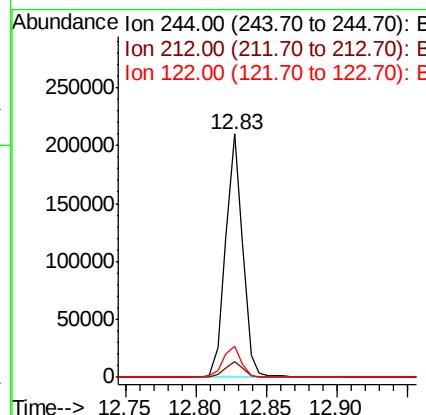
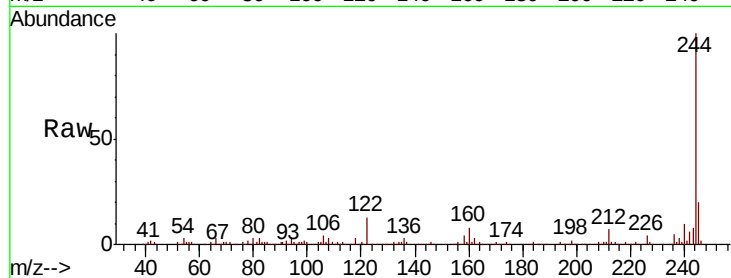
#79
 Terphenyl-d14
 Concen: 33.715 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117580.D
 Acq: 29 Oct 2019 10:30

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	12.9	11.8	17.8

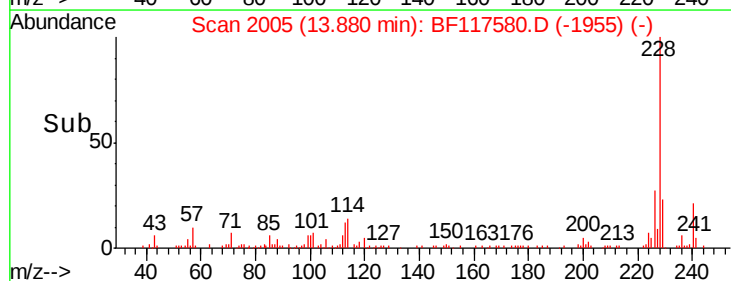
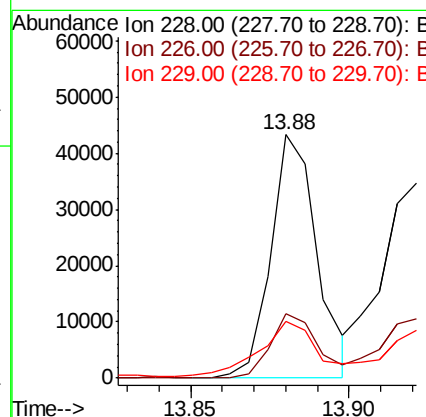
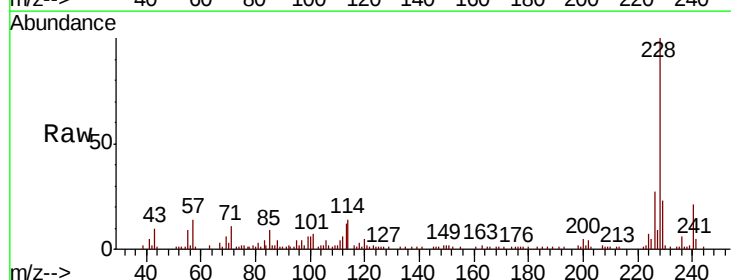
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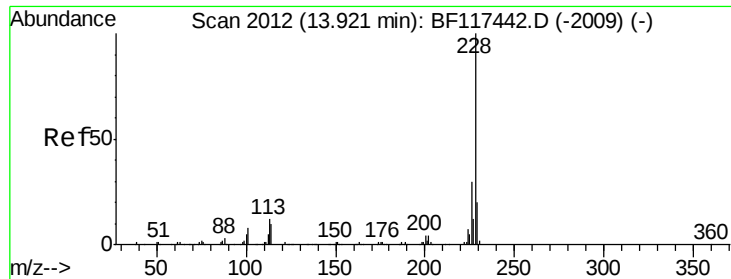
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#81
 Benzo(a)anthracene
 Concen: 7.580 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117580.D
 Acq: 29 Oct 2019 10:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.0	31.4
229	23.1	16.4	24.6





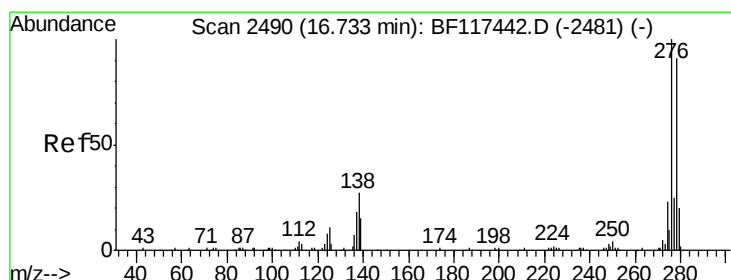
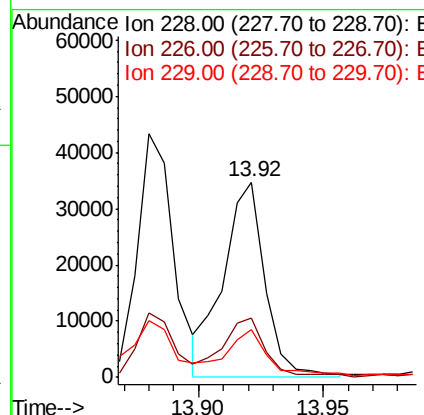
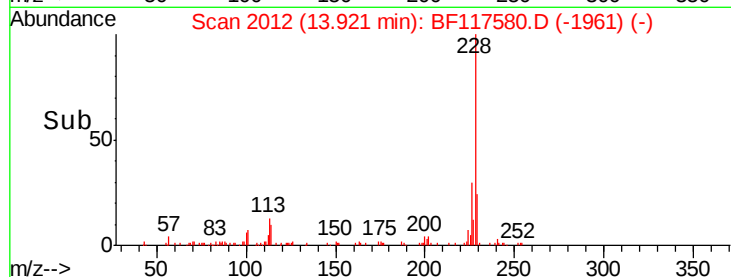
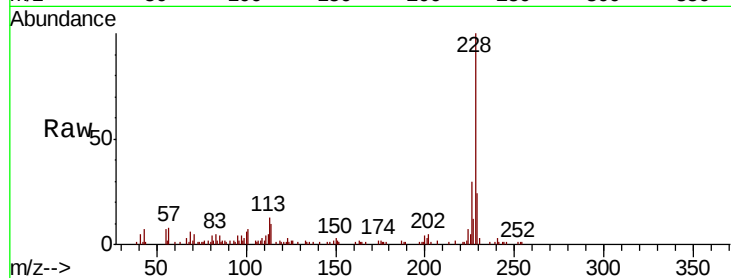
#83
Chrysene
Concen: 7.137 ng m
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	24.5	15.8	23.6

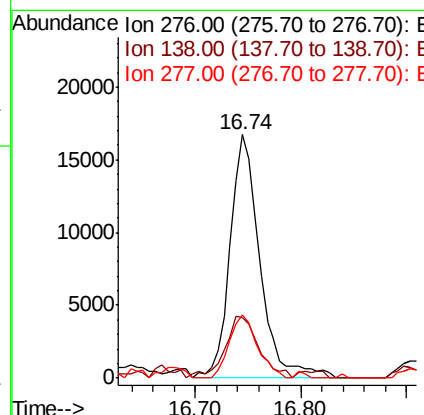
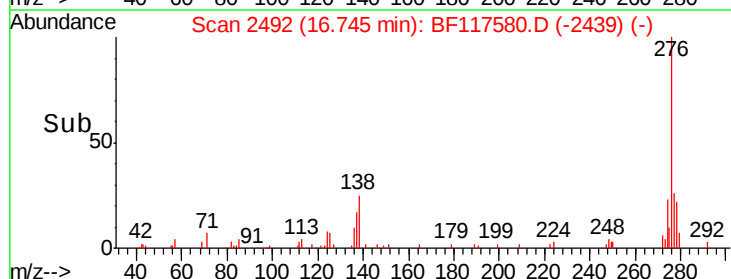
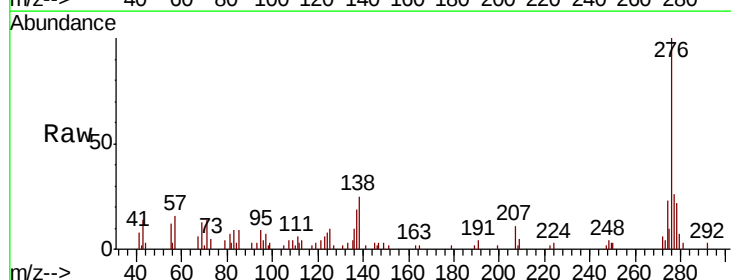
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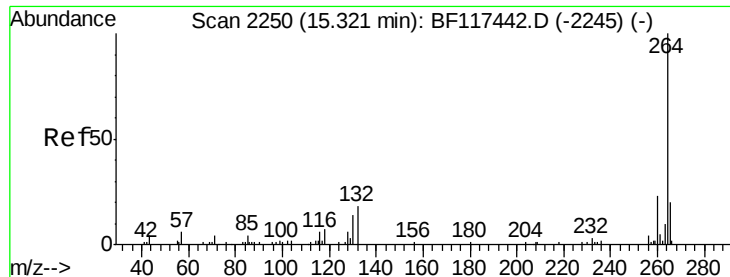
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.715 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.7	21.8	32.8
277	24.3	20.0	30.0





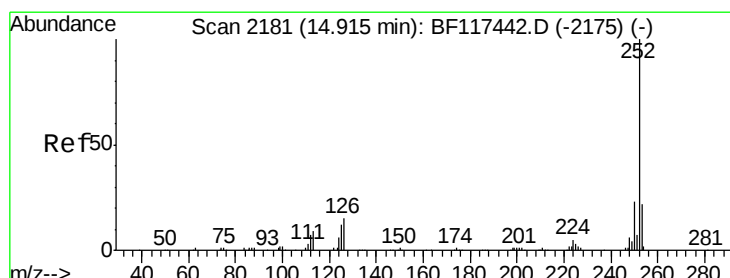
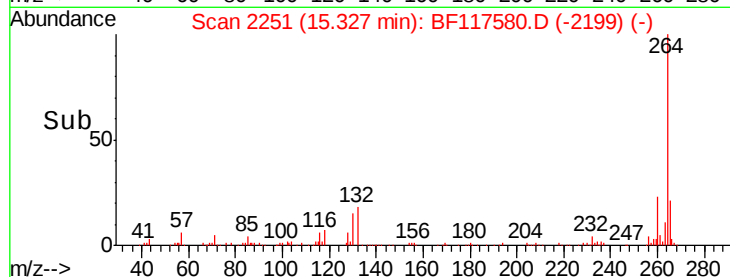
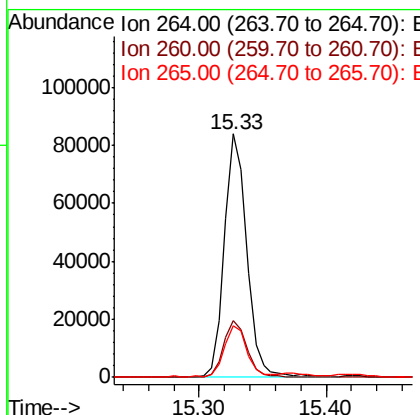
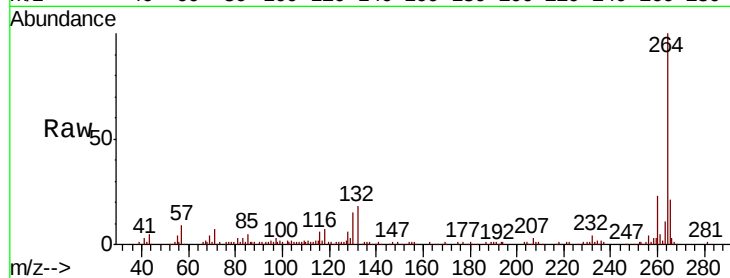
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	21.4	16.1	24.1

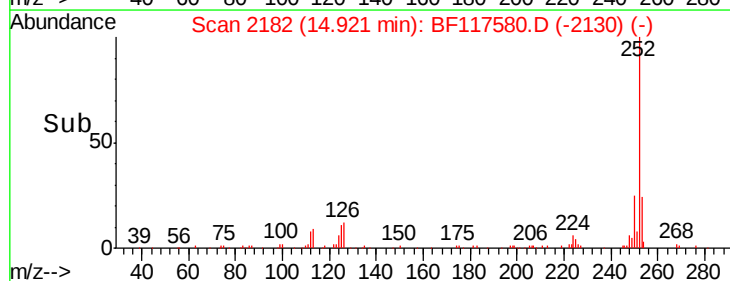
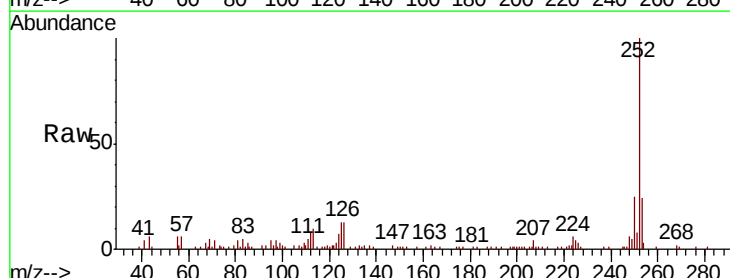
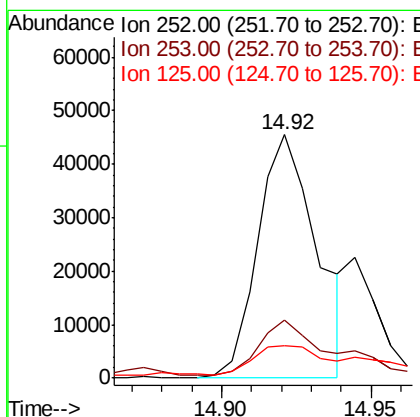
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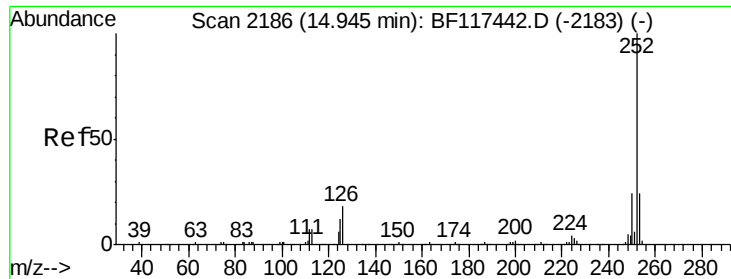
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#88
Benzo(b)fluoranthene
Concen: 10.337 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	13.3	9.9	14.9





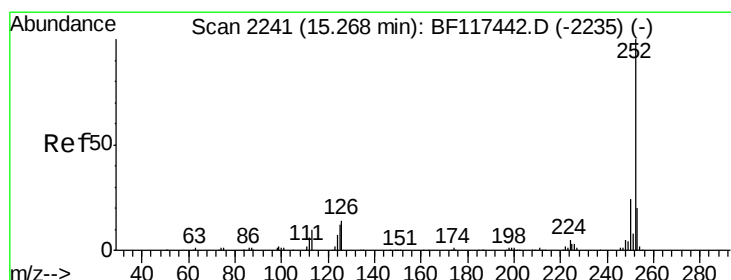
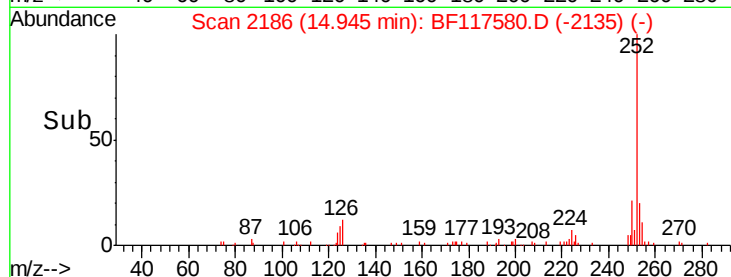
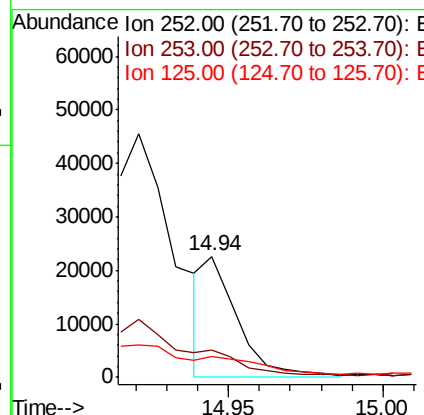
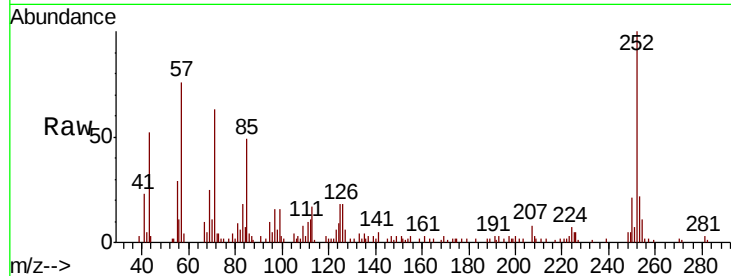
#89
Benzo(k)fluoranthene
Concen: 2.790 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	17.7	8.9	13.3

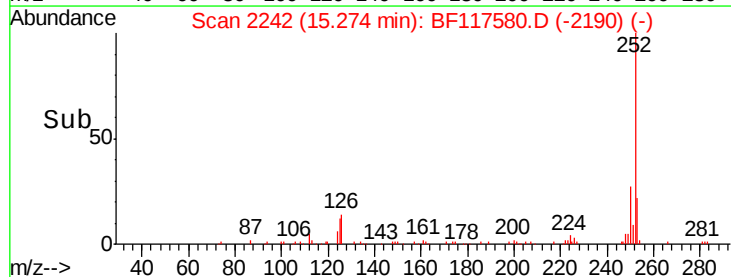
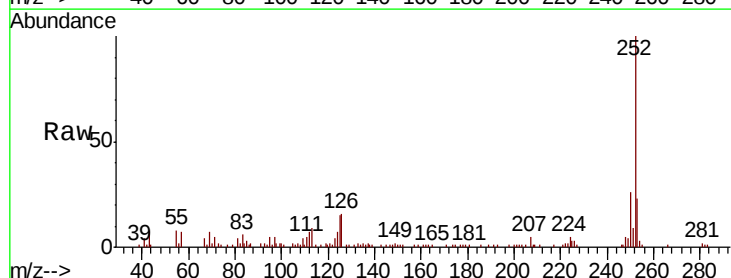
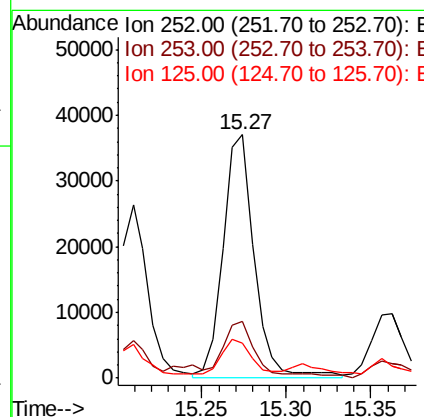
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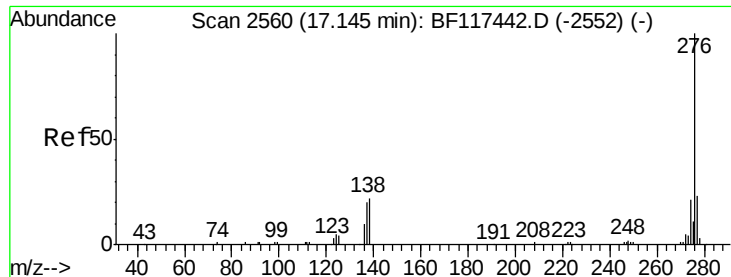
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#90
Benzo(a)pyrene
Concen: 8.677 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.3	24.5
125	14.6	9.2	13.8





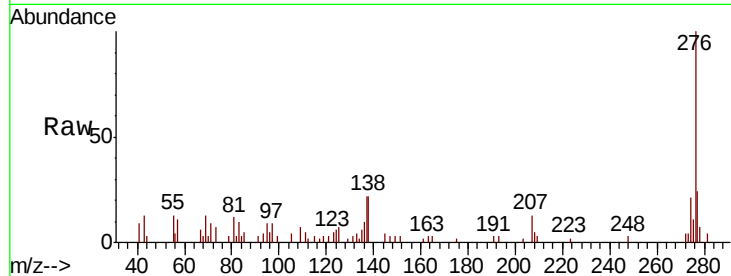
#92
 Benzo(a,h,i)perylene
 Concen: 6.493 ng
 RT: 17.18 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: BF117580.D
 Acq: 29 Oct 2019 10:30

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.4	27.6
138	21.5	17.8	26.6

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

