

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117534.D
 Acq On : 25 Oct 2019 14:26
 Operator : JU
 Sample : K5502-13
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 178-60-(0-2.1)

Manual Integrations
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 10/29/2019 3:33:13 PM

Quant Time: Oct 26 01:01:06 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	34423	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	142393	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	72650	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	114307	20.00	ng	0.00
76) Chrysene-d12	13.89	240	77510	20.00	ng	0.00
87) Perylene-d12	15.33	264	81506	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	156353	67.57	ng	0.00
7) Phenol-d6	6.38	99	223655	71.97	ng	0.00
23) Nitrobenzene-d5	7.29	82	140164	48.60	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	41595	66.17	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	224853	43.61	ng	-0.01
79) Terphenyl-d14	12.83	244	188957	39.76	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.48	163	51145	9.875	ng	98
71) Phenanthrene	11.27	178	81772	12.320	ng	99
72) Anthracene	11.33	178	19419	2.851	ng	98
75) Fluoranthene	12.46	202	110585	16.643	ng	98
78) Pyrene	12.69	202	94477	14.191	ng	99
81) Benzo(a)anthracene	13.88	228	42221	8.075	ng	98
83) Chrysene	13.92	228	36943	7.210	ng	98
86) Indeno(1,2,3-cd)pyrene	16.74	276	22800	5.960	ng	99
88) Benzo(b)fluoranthene	14.92	252	42035m	8.734	ng	
89) Benzo(k)fluoranthene	14.94	252	18898m	3.831	ng	
90) Benzo(a)pyrene	15.27	252	31599	7.221	ng	95
92) Benzo(a,h,i)perylene	17.17	276	22271	6.221	ng	92

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

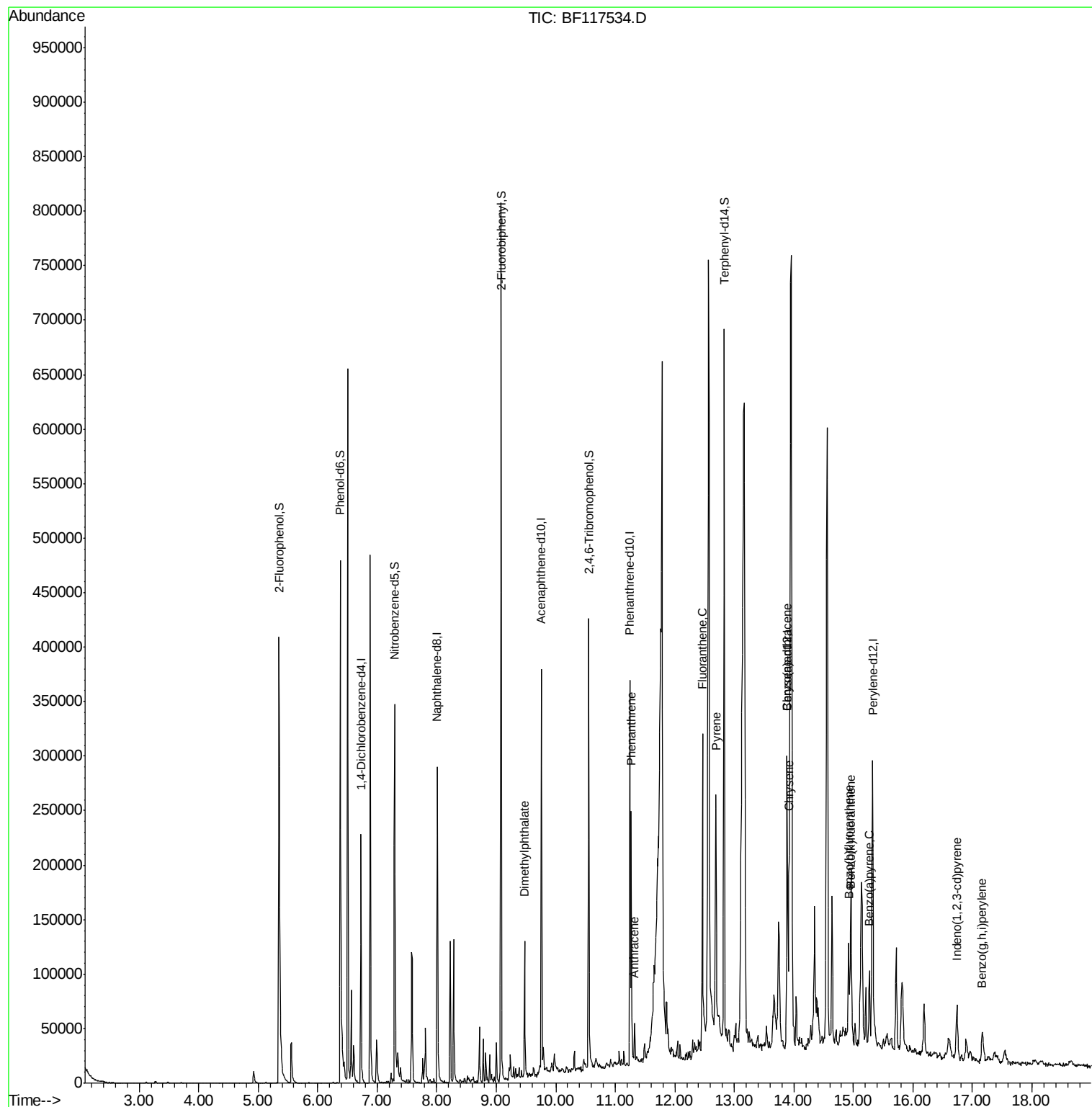
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
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178-60-(0-2.1)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
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#1

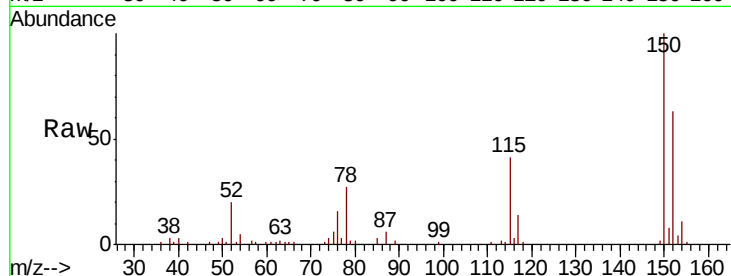
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Instrument :
BNA_F
ClientSampleId :
178-60-(0-2.1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	126.8	190.2
115	64.6	51.6	77.4

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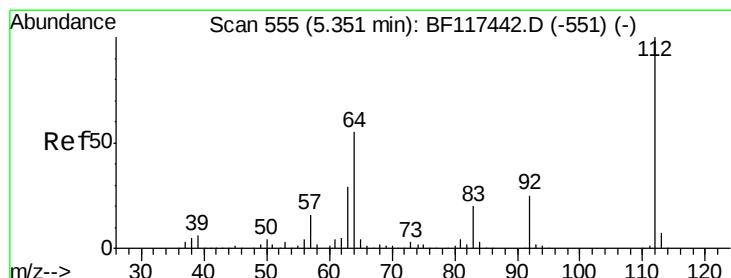
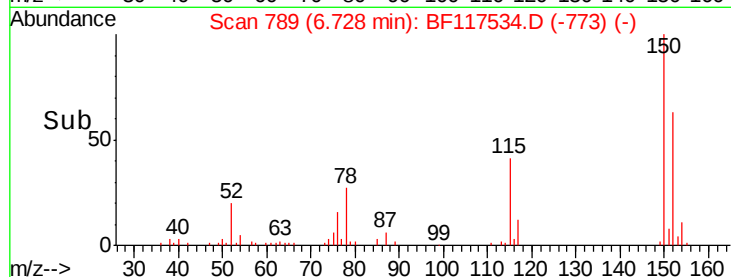
Abundance

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

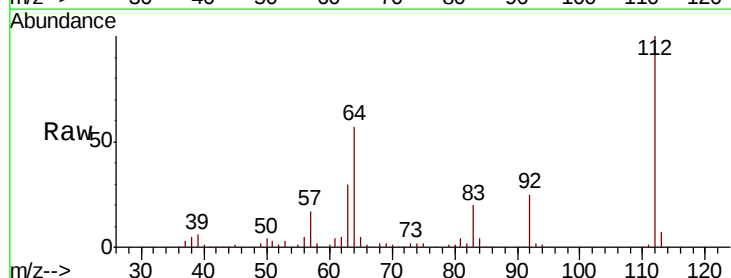
Time-->



#5

2-Fluorophenol
Concen: 67.573 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	44.1	66.1
63	30.4	23.4	35.2



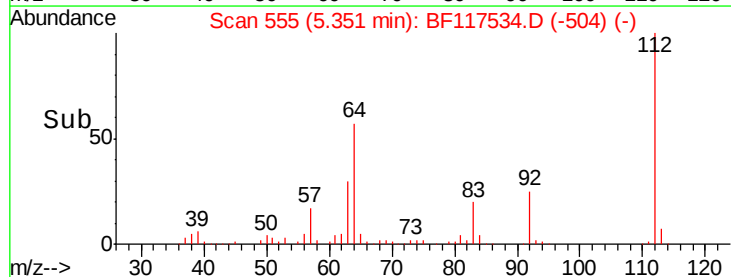
Abundance

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

Time-->





#7

Phenol-d6

Concen: 71.967 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Instrument :

BNA_F

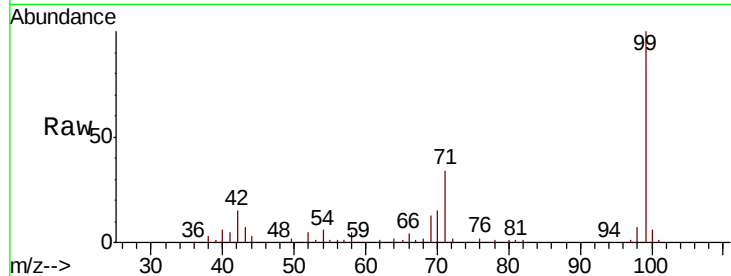
ClientSampleId :

178-60-(0-2.1)

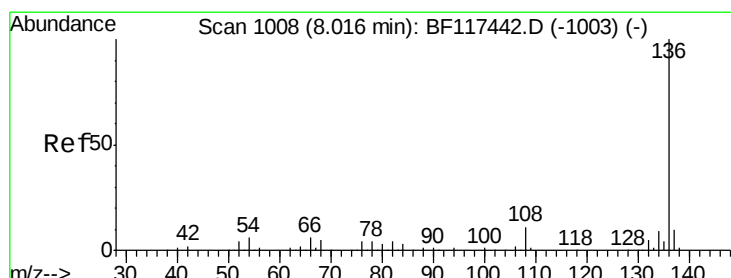
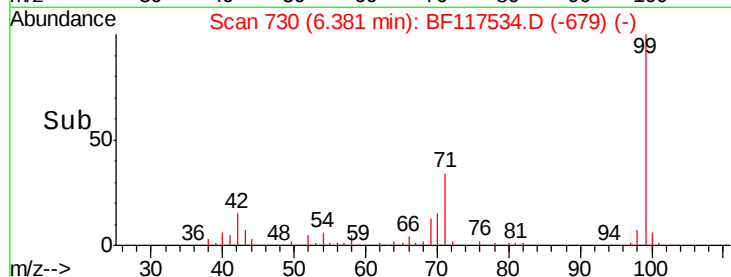
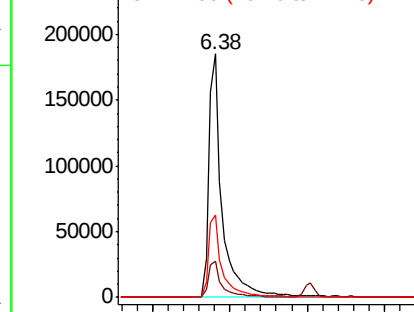
Tot Ion:	99	Resp:	223655
Ion Ratio	Lower	Upper	
99	100		
42	14.7	12.8	19.2
71	34.1	28.6	43.0

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

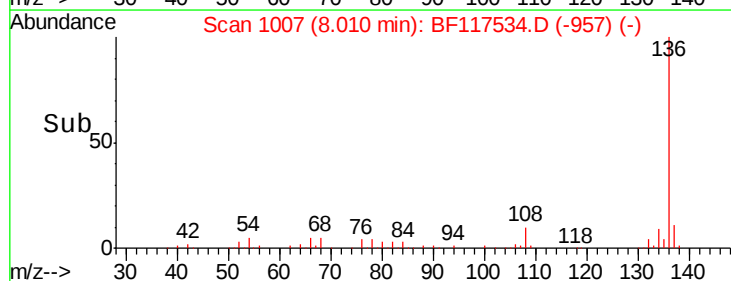
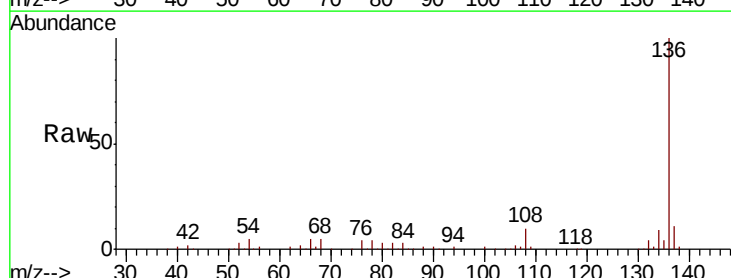
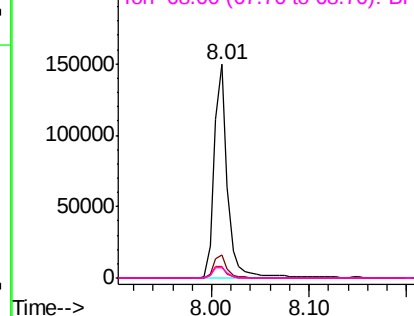
Delta R.T. -0.01 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Tgt Ion:	136	Resp:	142393
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.2	12.4
54	5.4	4.5	6.7
68	4.6	4.3	6.5

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





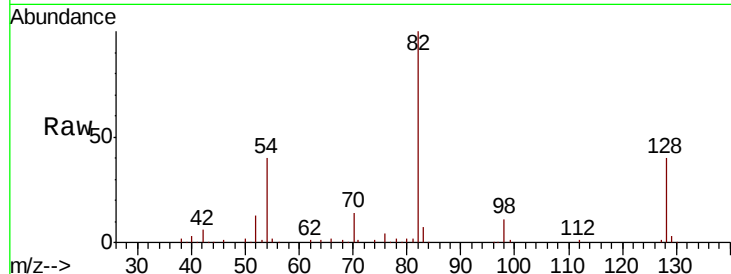
#23
 Nitrobenzene-d5
 Concen: 48.595 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117534.D
 Acq: 25 Oct 2019 14:26

Instrument :
 BNA_F
 ClientSampleId :
 178-60-(0-2.1)

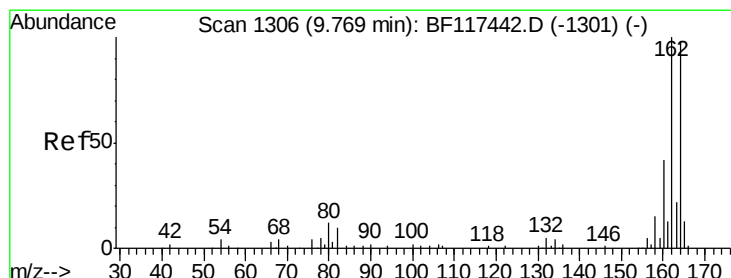
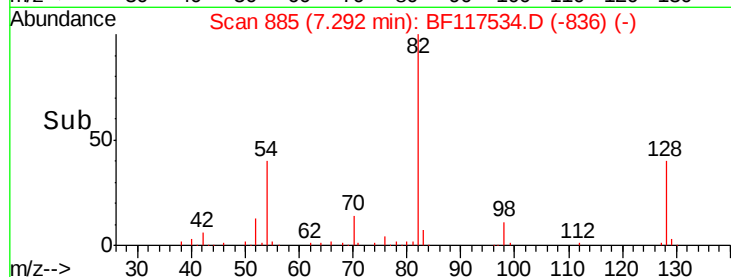
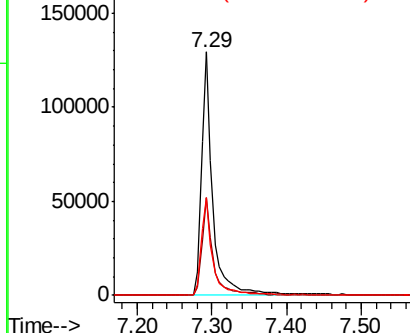
Tot Ion	Ratio	Resp	Lower	Upper
82	100	140164		
128	39.9	32.2	48.2	
54	40.3	34.2	51.2	

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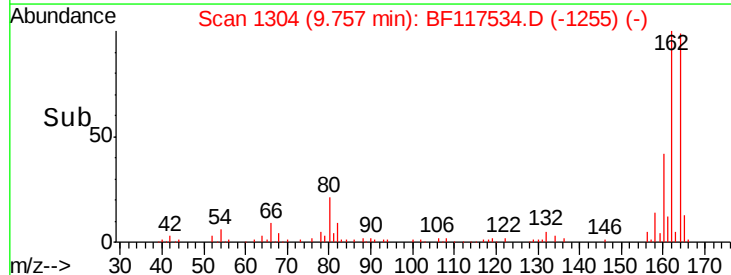
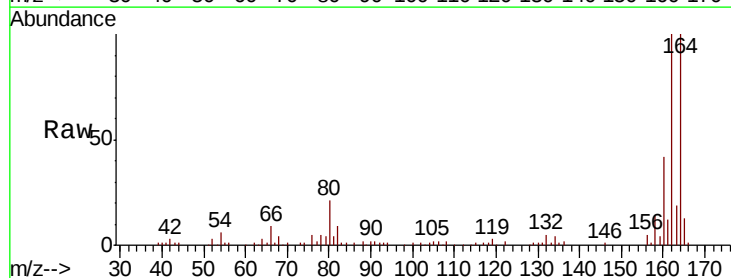
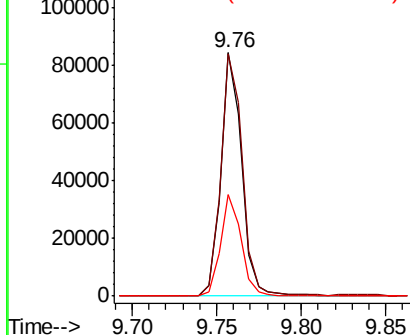
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF117534.D
 Acq: 25 Oct 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	72650		
162	99.6	81.8	122.6	
160	41.9	34.4	51.6	

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 66.170 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Instrument :

BNA_F

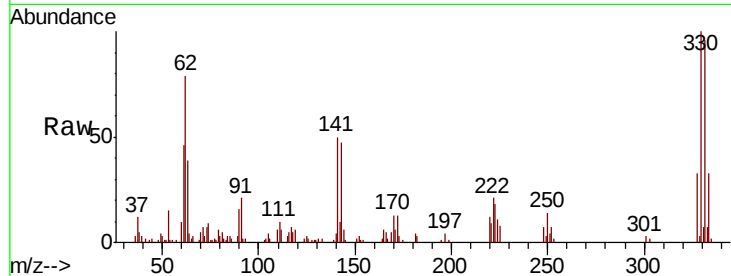
ClientSampleId :

178-60-(0-2.1)

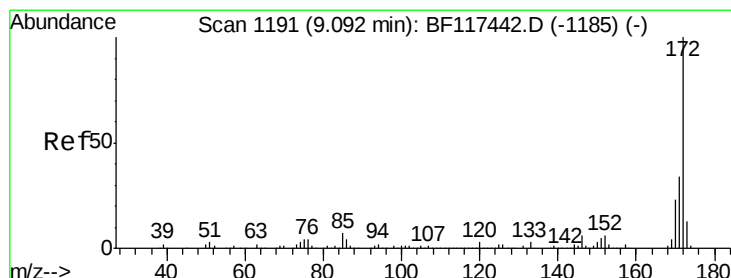
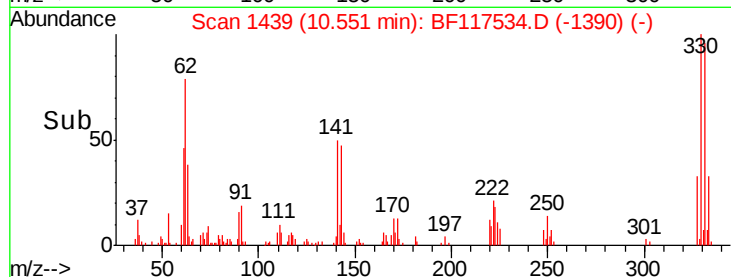
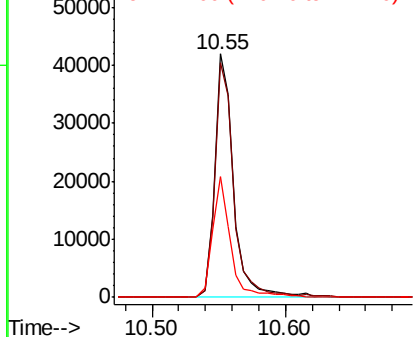
Tot Ion:	330	Resp:	41595
Ion Ratio	Lower	Upper	
330	100		
332	97.9	78.5	117.7
141	47.5	37.0	55.6

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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: 43.608 ng

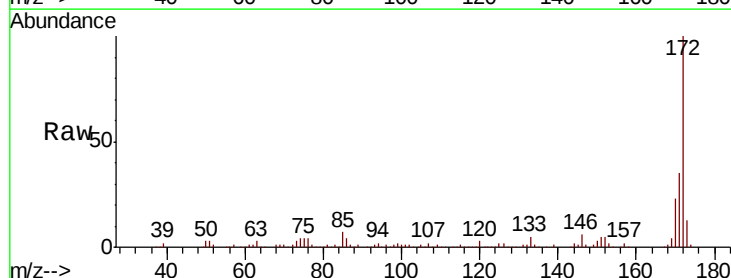
RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

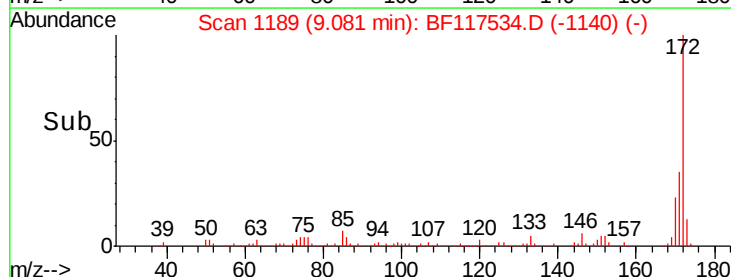
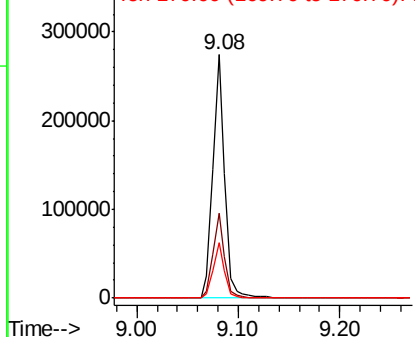
Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Tgt Ion:	172	Resp:	224853
Ion Ratio	Lower	Upper	
172	100		
171	34.7	27.5	41.3
170	22.9	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





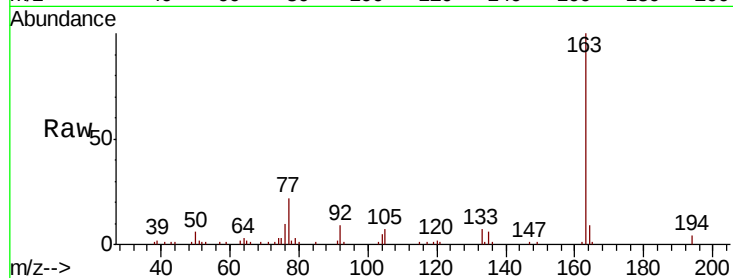
#50
Dimethylphthalate
Concen: 9.875 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Instrument :
BNA_F
ClientSampleId :
178-60-(0-2.1)

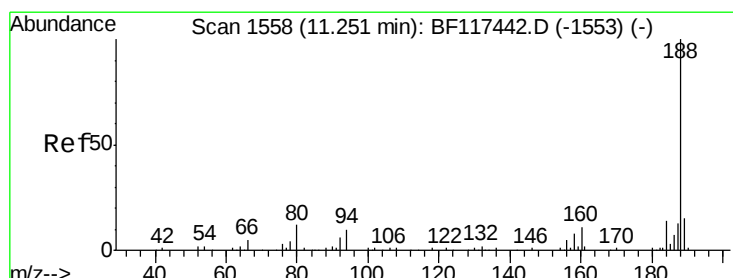
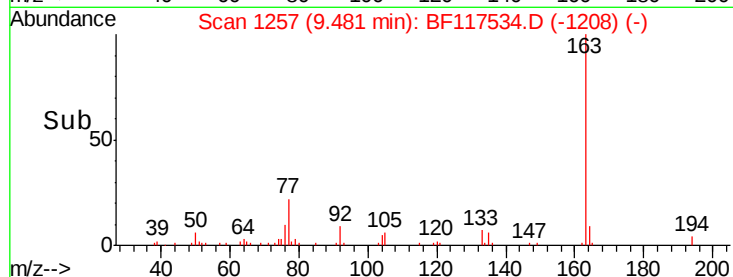
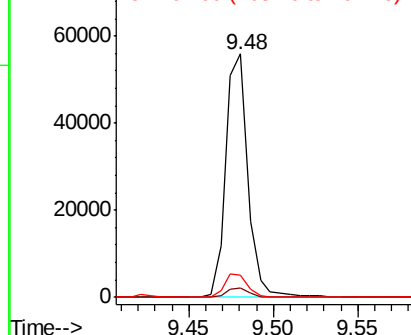
Tot Ion:	163	Resp:	51145
Ion Ratio	Lower	Upper	
163	100		
194	4.1	2.9	4.3
164	9.2	8.2	12.2

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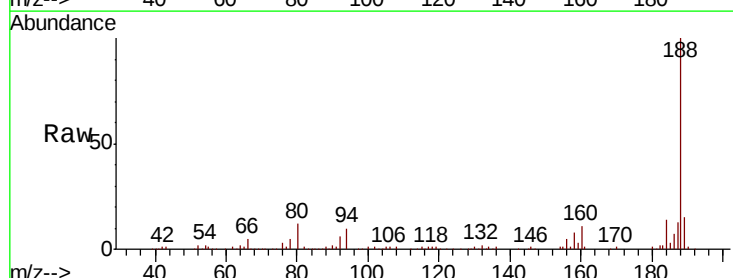


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

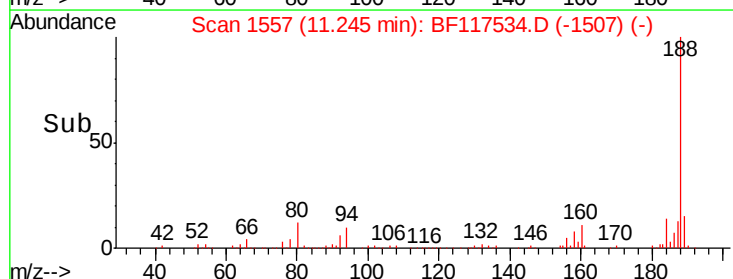
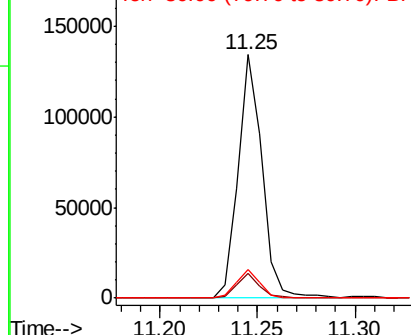


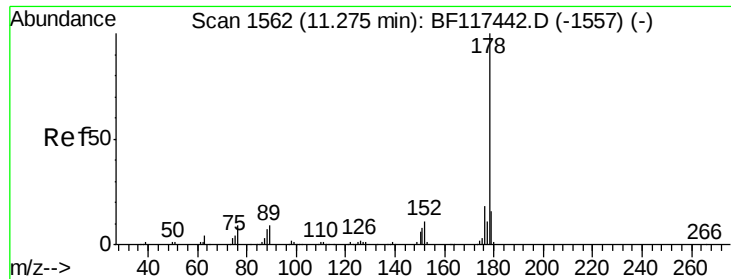
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Tgt Ion:	188	Resp:	114307
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.0	12.0
80	11.9	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





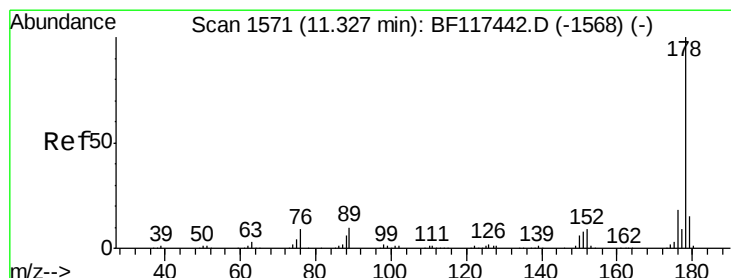
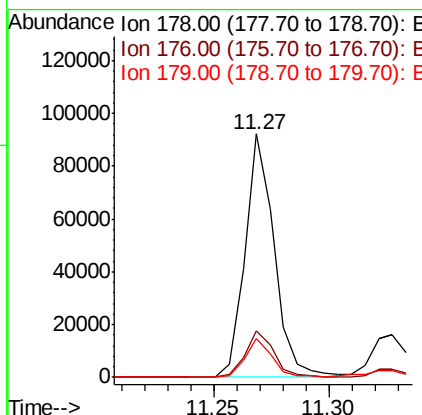
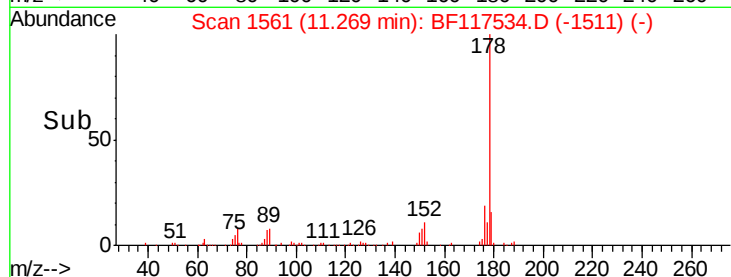
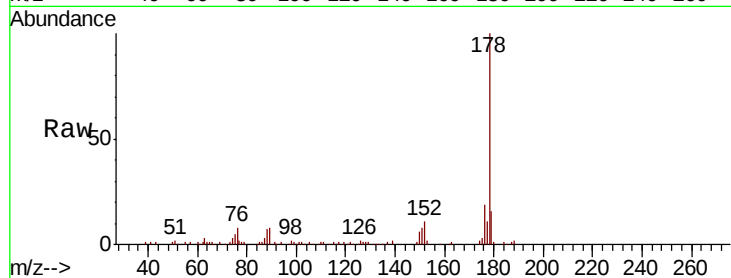
#71
Phenanthrene
Concen: 12.320 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Instrument :
BNA_F
ClientSampleId :
178-60-(0-2.1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	22.0
179	15.9	12.6	19.0

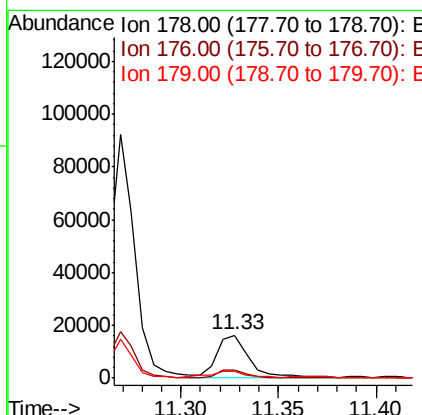
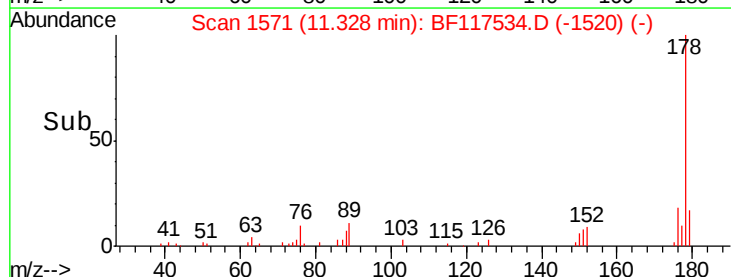
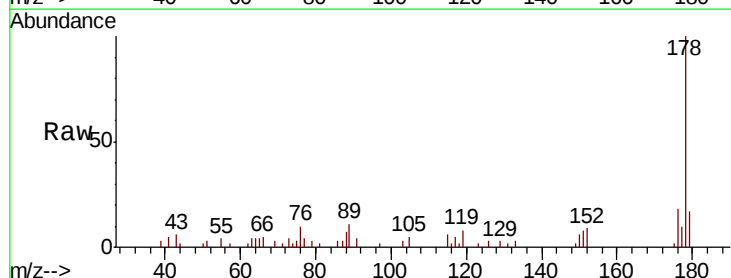
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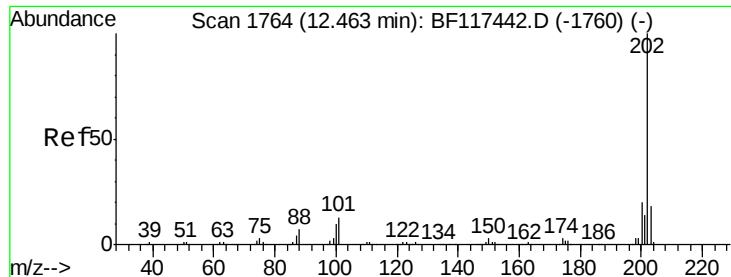
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#72
Anthracene
Concen: 2.851 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	17.2	12.2	18.2





#75

Fluoranthene

Concen: 16.643 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Instrument :

BNA_F

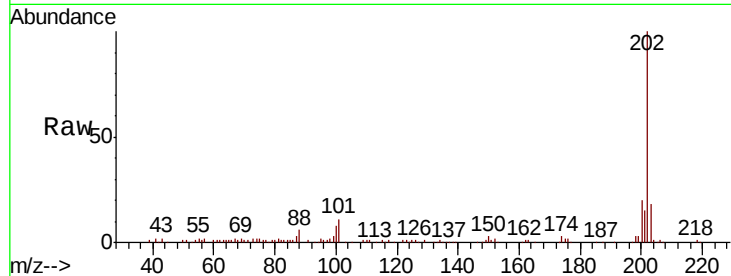
ClientSampleId :

178-60-(0-2.1)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	110585		
101	11.2	0.0	32.7	
203	18.2	0.0	37.6	

Manual Integrations
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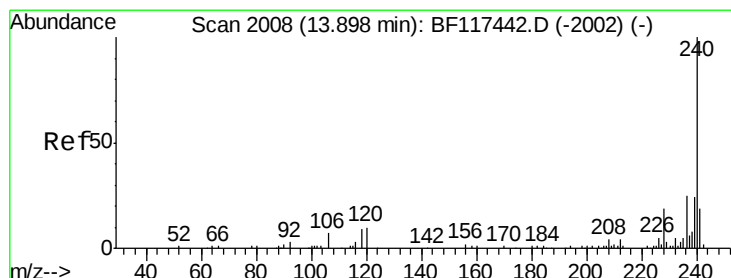
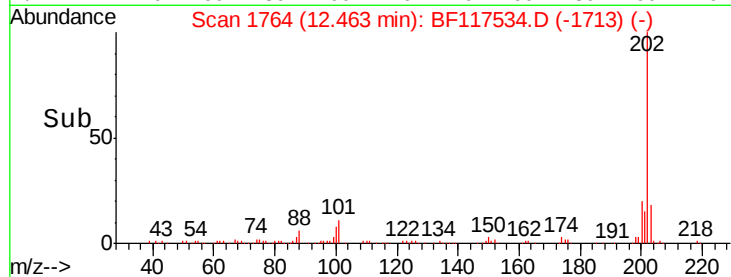
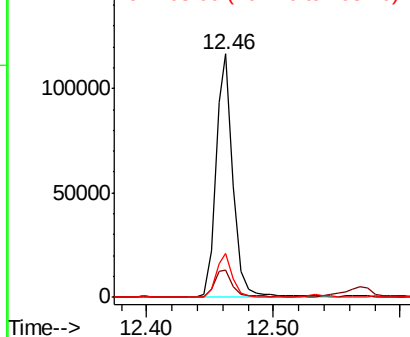


Abundance

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

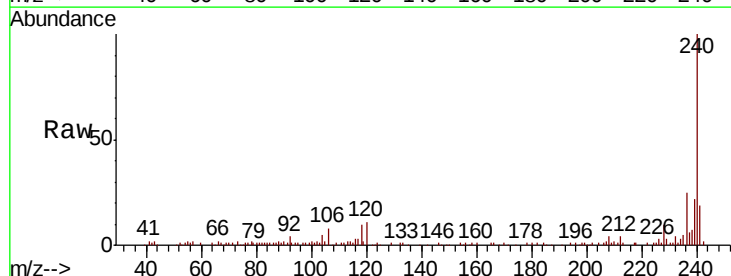
RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	77510		
120	11.2	8.4	12.6	
236	25.2	20.0	30.0	

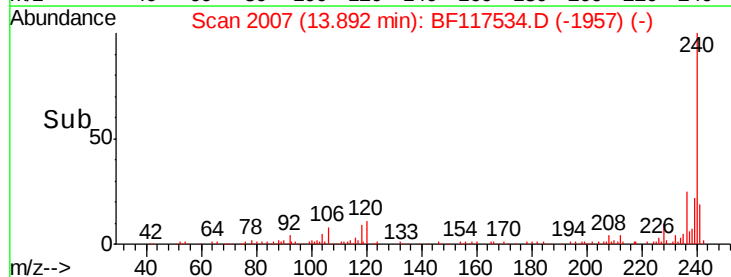
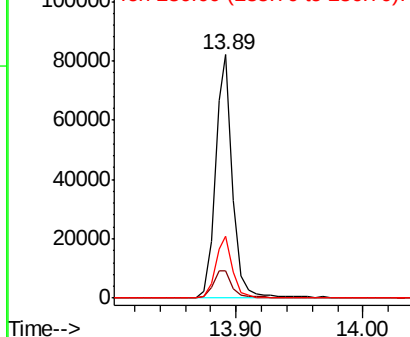


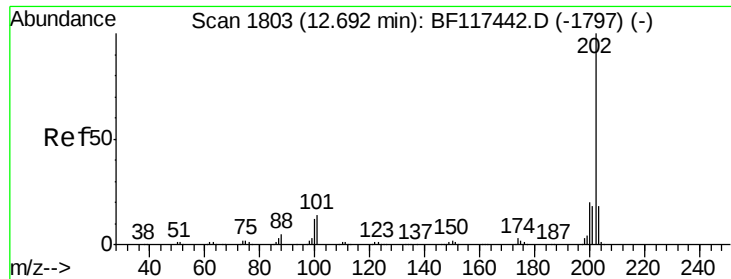
Abundance

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





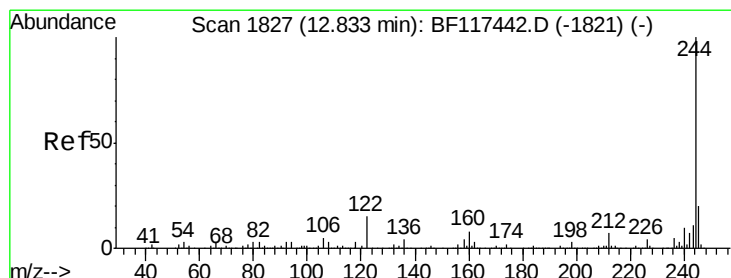
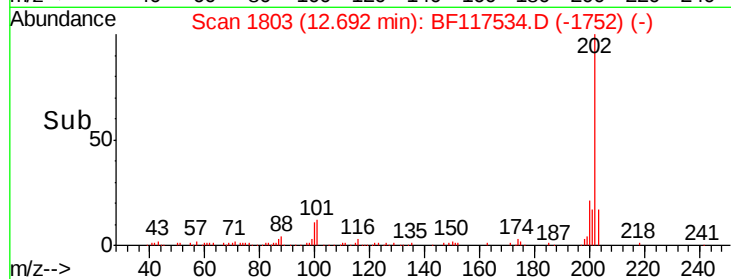
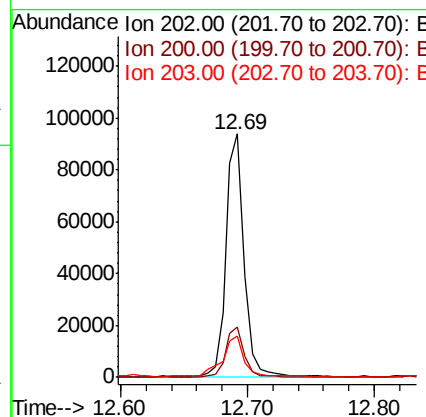
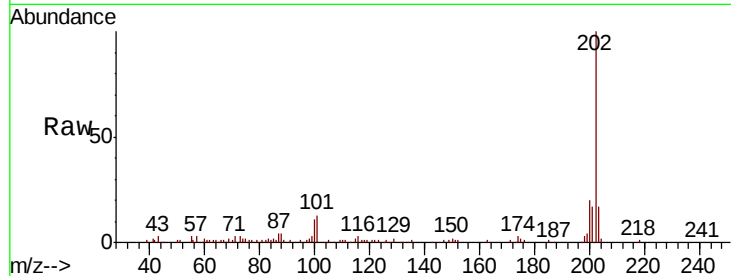
#78
Pvrene
Concen: 14.191 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Instrument :
BNA_F
ClientSampleId :
178-60-(0-2.1)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.2
203	16.9	14.0	21.0

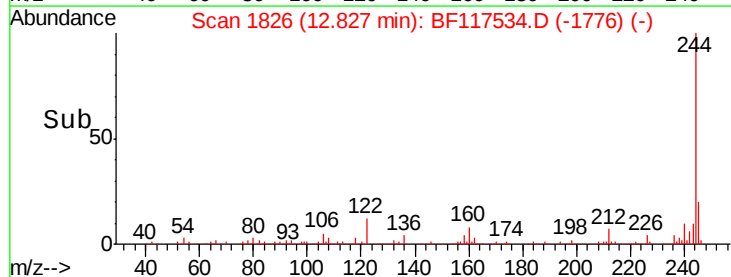
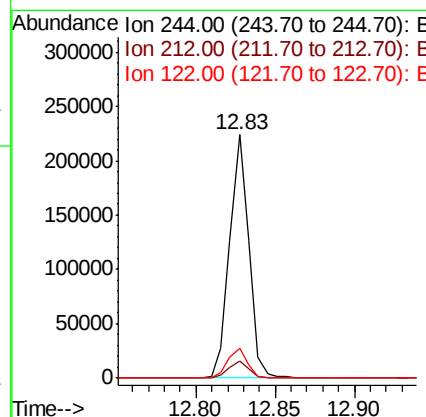
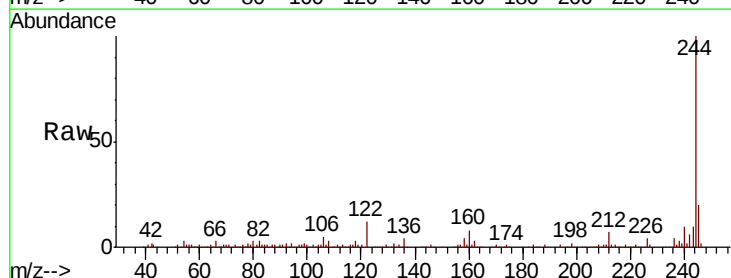
Manual Integrations
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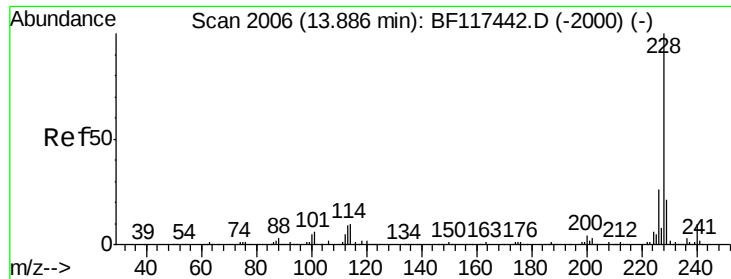
mohammad
10/29/2019 3:33:13 PM



#79
Terphenyl-d14
Concen: 39.764 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	12.4	11.8	17.8





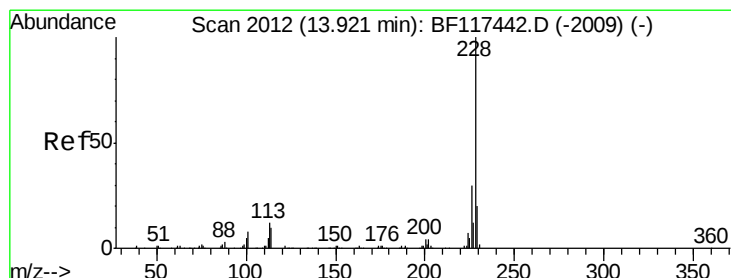
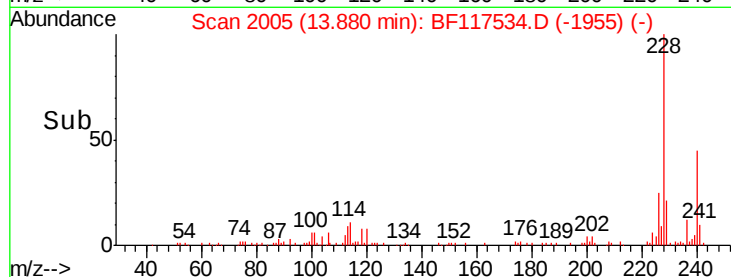
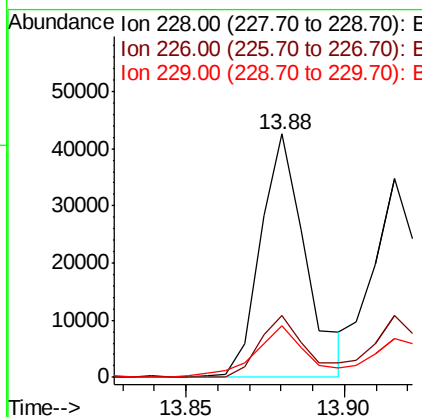
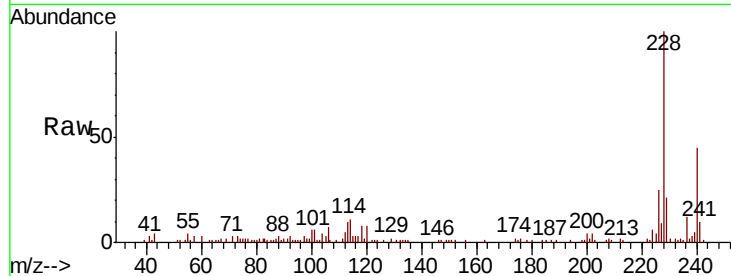
#81
Benzo(a)anthracene
Concen: 8.075 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Instrument :
BNA_F
ClientSampleId :
178-60-(0-2.1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.2	21.0	31.4
229	21.2	16.4	24.6

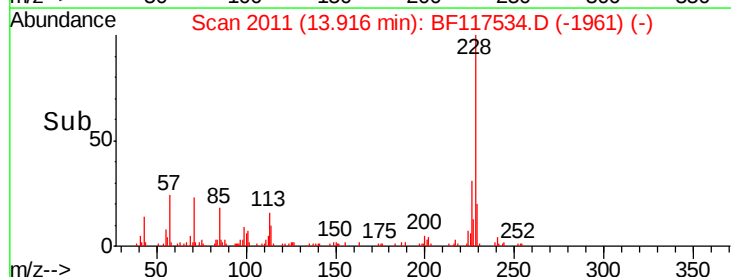
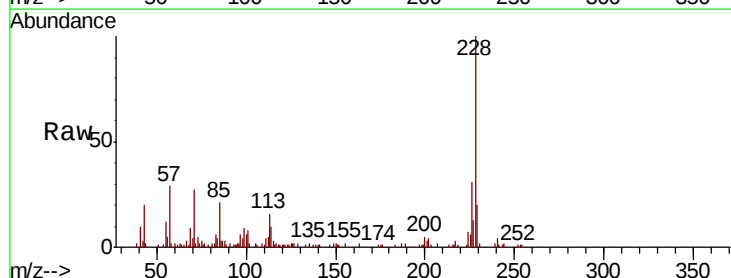
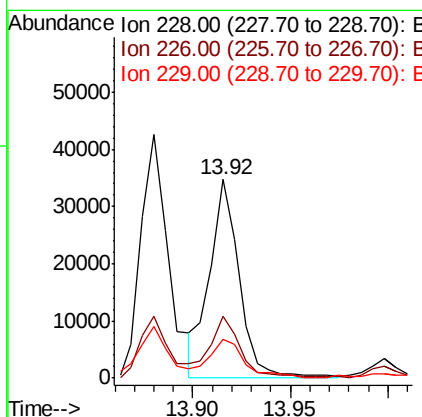
Manual Integrations
APPROVED

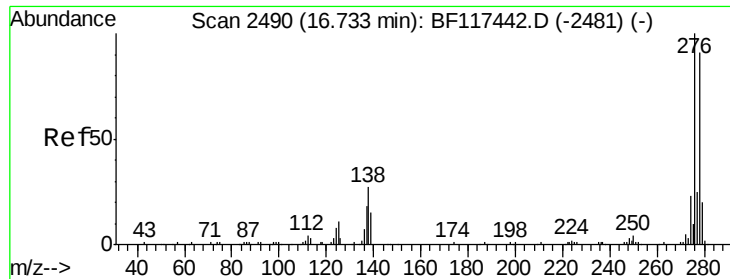
mohammad
10/29/2019 3:33:13 PM



#83
Chrysene
Concen: 7.210 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.9	35.9
229	19.5	15.8	23.6





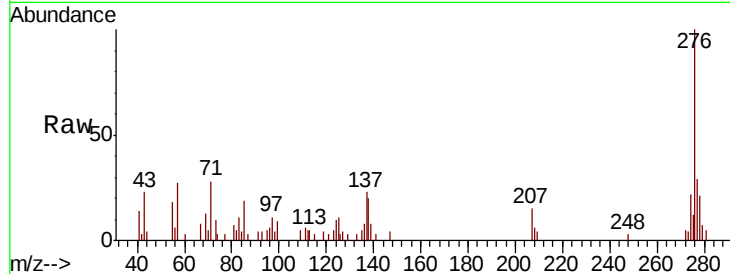
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.960 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Instrument :
BNA_F
ClientSampleId :
178-60-(0-2.1)

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.8	32.8
277	26.0	20.0	30.0

Manual Integrations
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mohammad
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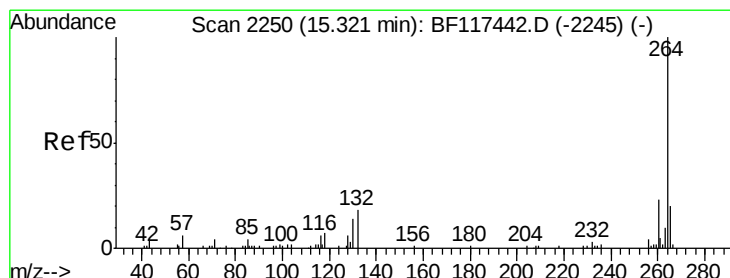
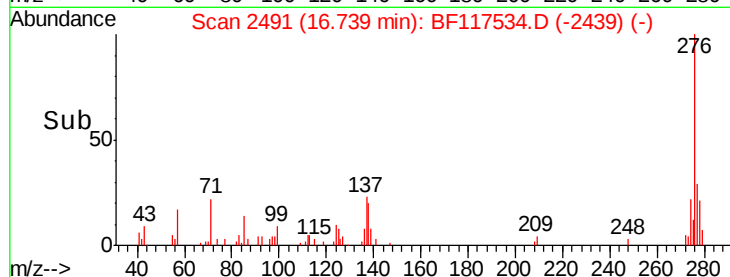
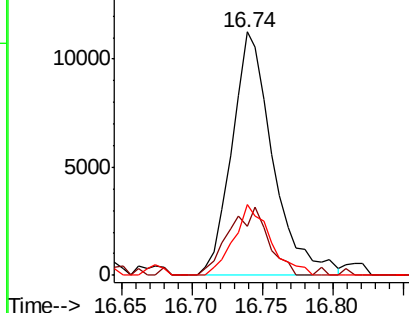


Abundance

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: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

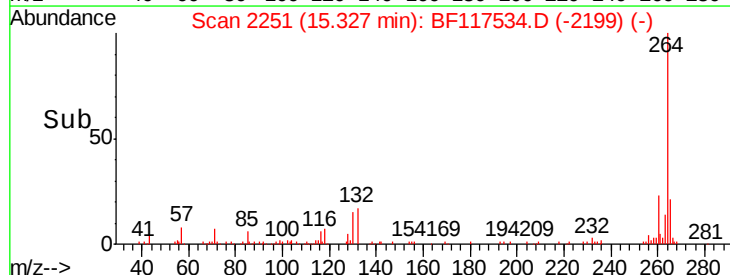
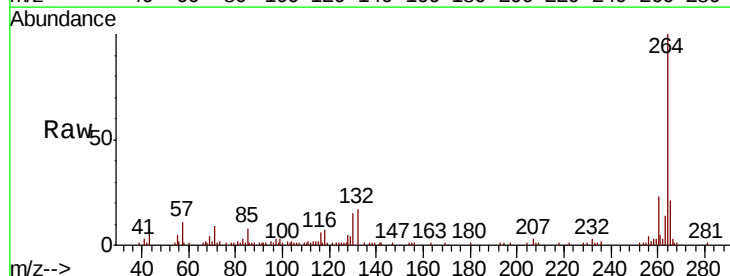
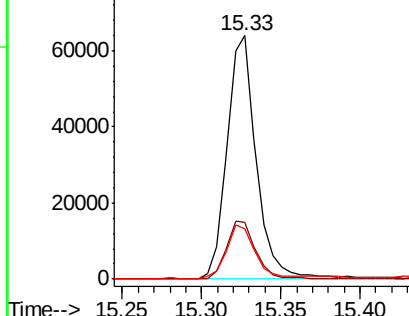
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	20.8	16.1	24.1

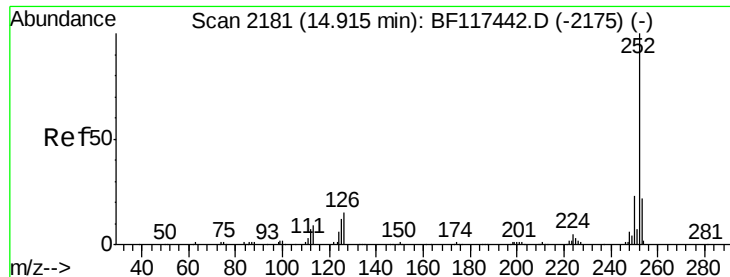
Abundance

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





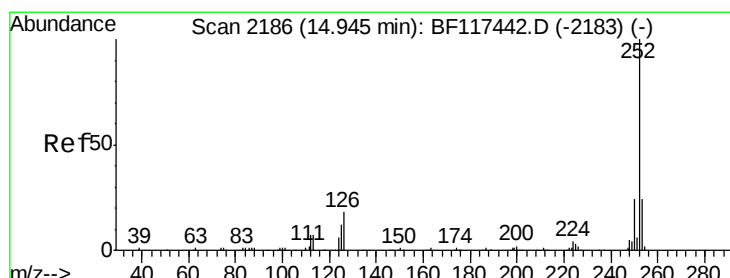
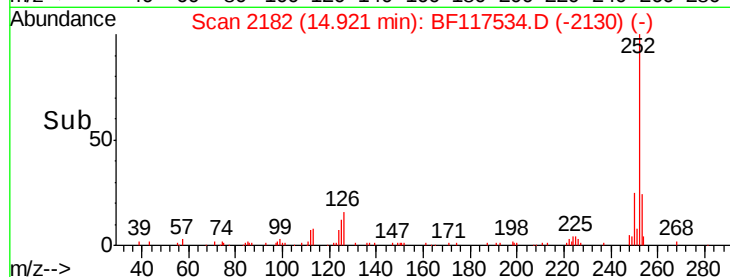
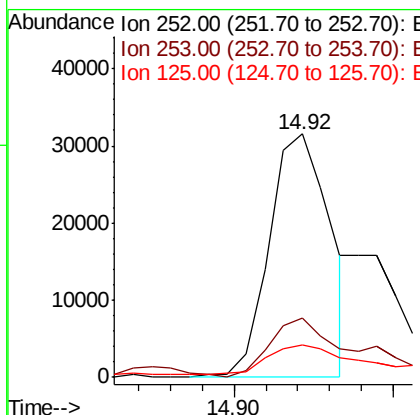
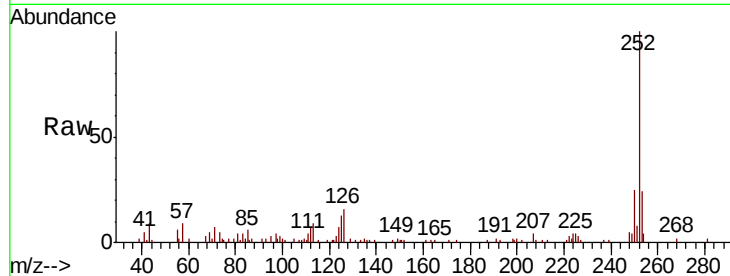
#88
Benzo(b)fluoranthene
Concen: 8.734 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Instrument :
BNA_F
ClientSampleId :
178-60-(0-2.1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	13.1	9.9	14.9

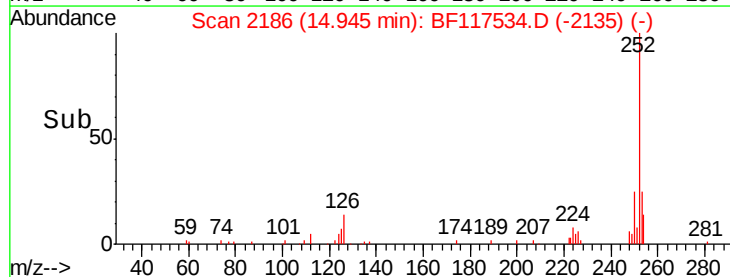
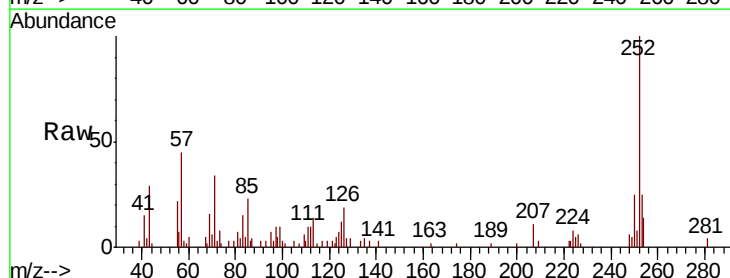
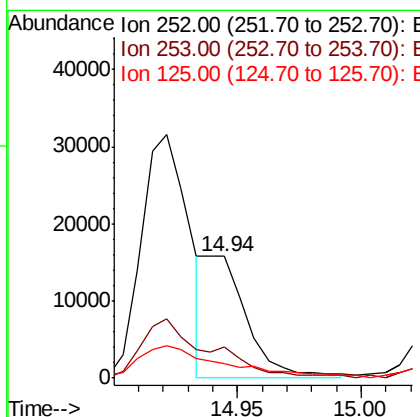
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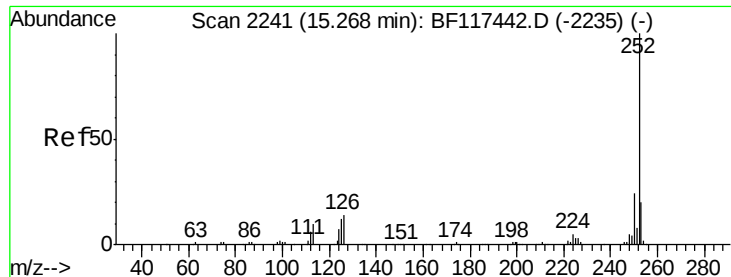
mohammad
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#89
Benzo(k)fluoranthene
Concen: 3.831 ng m
RT: 14.94 min Scan# 2186
Delta R.T. 0.00 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.0	27.0
125	12.3	8.9	13.3





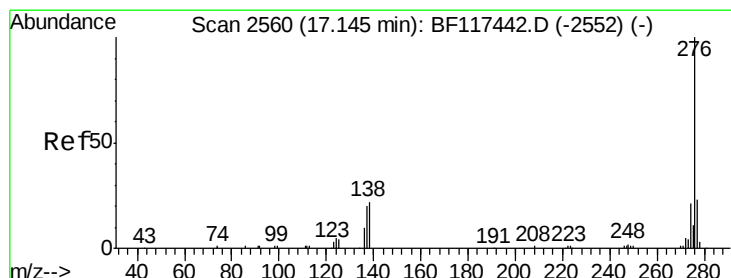
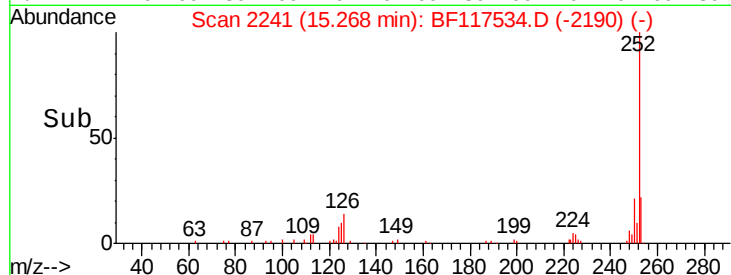
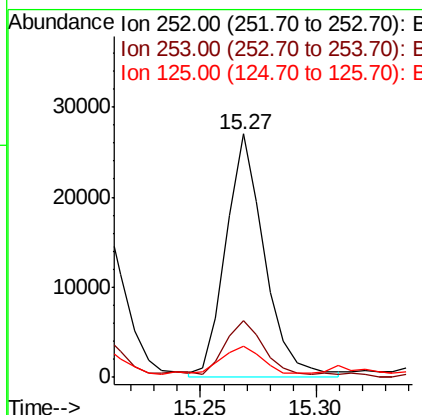
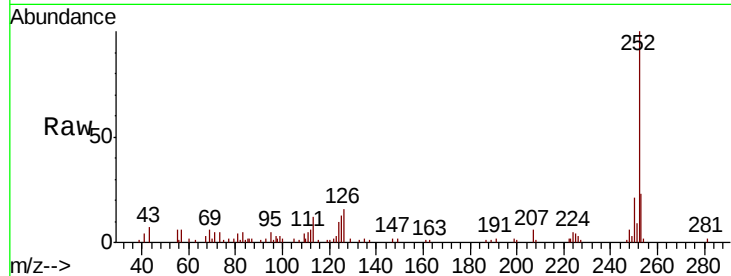
#90
Benzo(a)pyrene
Concen: 7.221 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.00 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Instrument :
BNA_F
ClientSampleId :
178-60-(0-2.1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.3	24.5
125	12.8	9.2	13.8

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.221 ng
RT: 17.17 min Scan# 2564
Delta R.T. 0.02 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	18.4	27.6
138	18.7	17.8	26.6

