

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117541.D
 Acq On : 25 Oct 2019 17:33
 Operator : JU
 Sample : K5502-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 182-08-(0-2)

Manual Integrations
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mohammad
 10/29/2019 3:33:28 PM

Quant Time: Oct 26 01:38:28 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	33969	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	132242	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	64831	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	90095	20.00	ng	0.00
76) Chrysene-d12	13.89	240	64549	20.00	ng	0.00
87) Perylene-d12	15.33	264	60922	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	230422	100.92	ng	0.00
7) Phenol-d6	6.38	99	319084	104.05	ng	0.00
23) Nitrobenzene-d5	7.29	82	194347	72.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	49666	88.54	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	296301	64.40	ng	-0.01
79) Terphenyl-d14	12.83	244	199876	50.51	ng	0.00
Target Compounds						
10) Phenol	6.39	94	7898	2.523	ng	Qvalue # 76
50) Dimethylphthalate	9.48	163	61443	13.294	ng	98
71) Phenanthrene	11.27	178	70690	13.512	ng	99
72) Anthracene	11.33	178	15648	2.915	ng	97
75) Fluoranthene	12.46	202	107060	20.443	ng	99
78) Pyrene	12.69	202	91790	16.555	ng	99
81) Benzo(a)anthracene	13.88	228	46005	10.566	ng	95
83) Chrysene	13.92	228	40895	9.583	ng	97
86) Indeno(1,2,3-cd)pyrene	16.74	276	19730	6.193	ng	97
88) Benzo(b)fluoranthene	14.92	252	48664m	13.527	ng	
89) Benzo(k)fluoranthene	14.94	252	20169m	5.470	ng	
90) Benzo(a)pyrene	15.27	252	33665	10.292	ng	# 93
91) Dibenzo(a,h)anthracene	16.74	278	5996	2.120	ng	# 70
92) Benzo(g,h,i)perylene	17.17	276	17286	6.460	ng	# 86

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

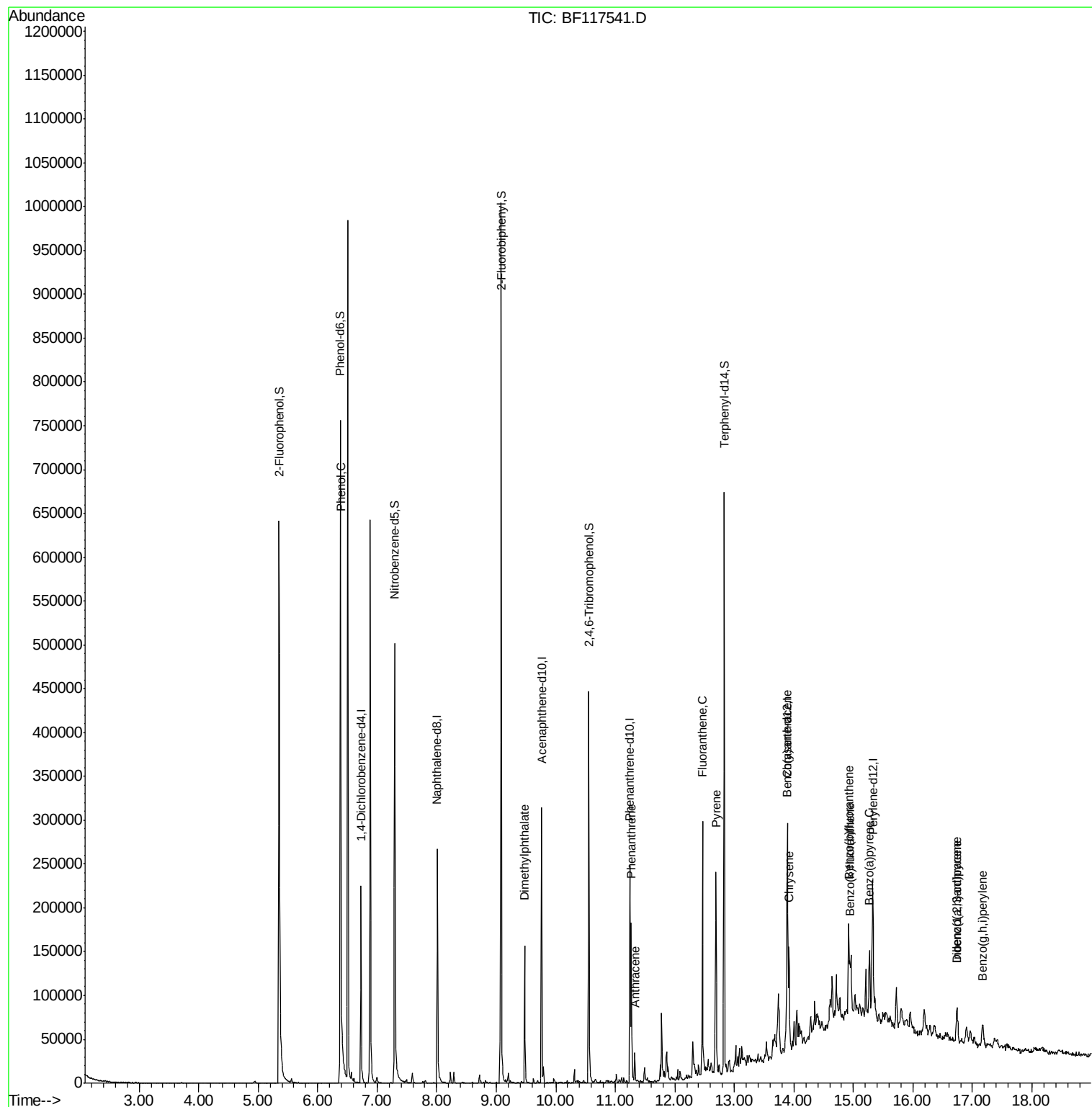
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117541.D
Acq On : 25 Oct 2019 17:33
Operator : JU
Sample : K5502-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

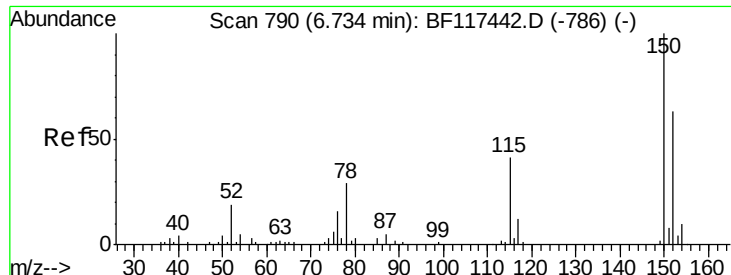
Instrument :
BNA_F
ClientSampleId :
182-08-(0-2)

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Quant Time: Oct 26 01:38:28 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

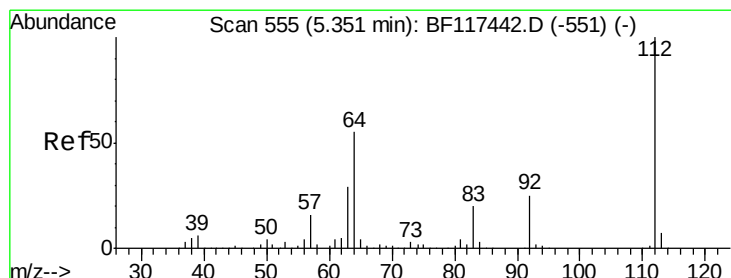
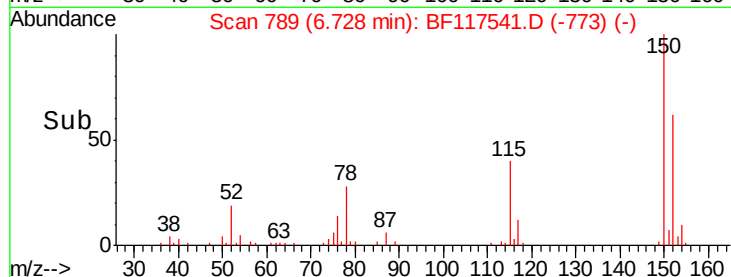
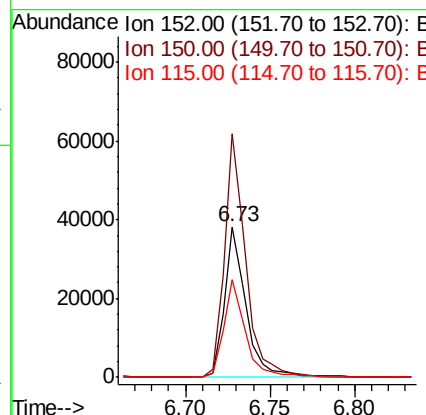
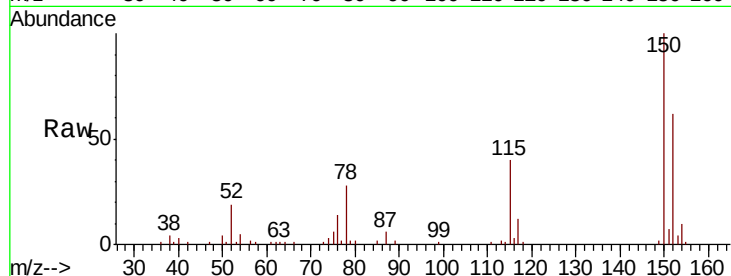
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117541.D
Acq: 25 Oct 2019 17:33

Instrument :
BNA_F
ClientSampleId :
182-08-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	126.8	190.2
115	65.2	51.6	77.4

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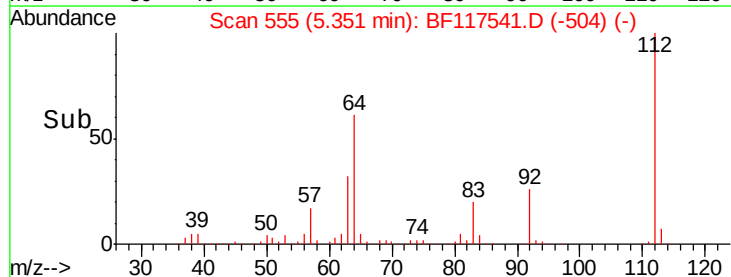
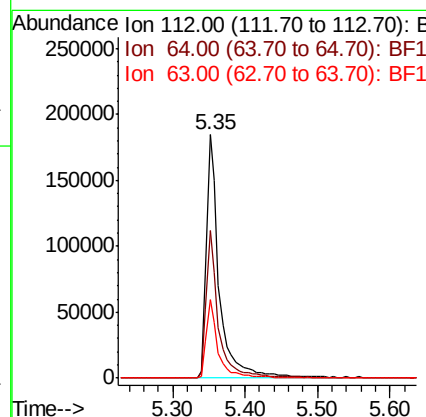
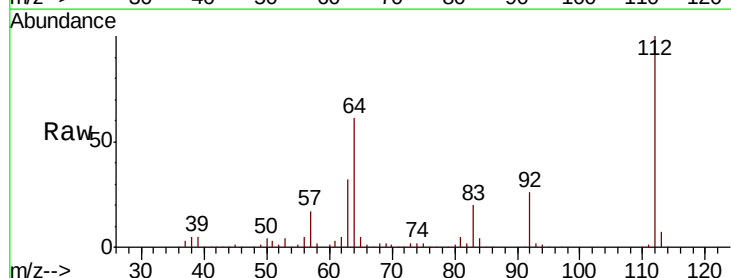
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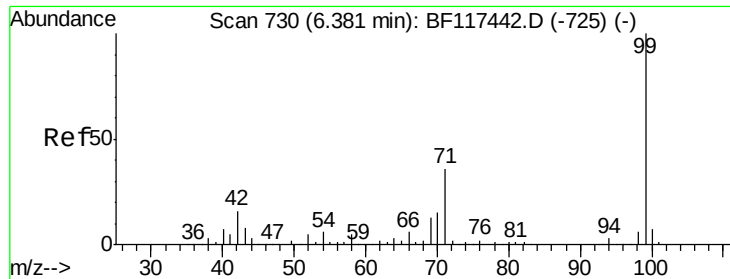


#5

2-Fluorophenol
Concen: 100.915 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117541.D
Acq: 25 Oct 2019 17:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	44.1	66.1
63	32.1	23.4	35.2





#7

Phenol-d6

Concen: 104.046 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117541.D

Acq: 25 Oct 2019 17:33

Instrument :

BNA_F

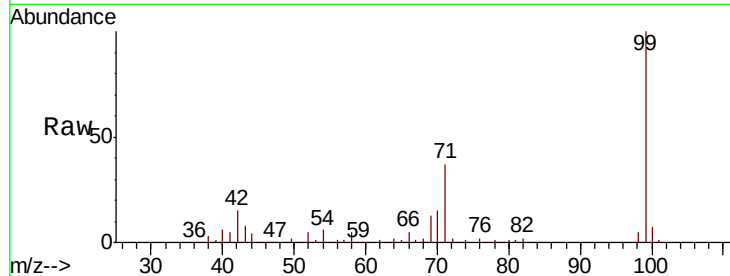
ClientSampleId :

182-08-(0-2)

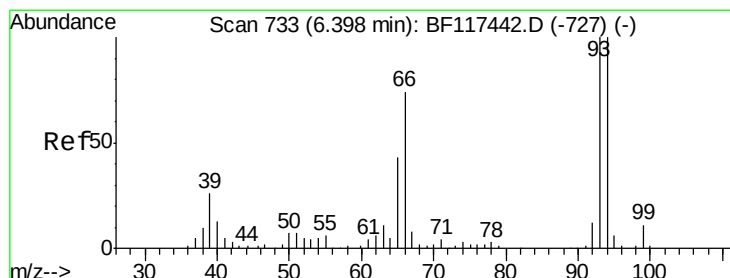
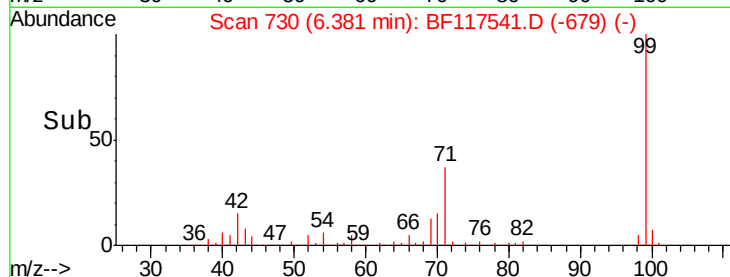
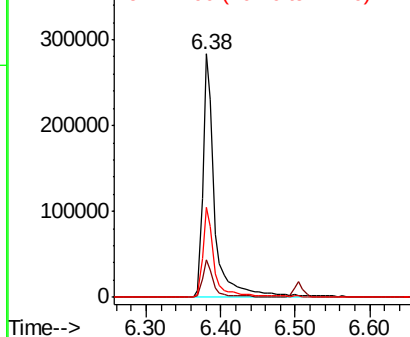
Tot Ion:	99	Resp:	319084
Ion Ratio	Lower	Upper	
99	100		
42	15.2	12.8	19.2
71	36.9	28.6	43.0

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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



#10

Phenol

Concen: 2.523 ng

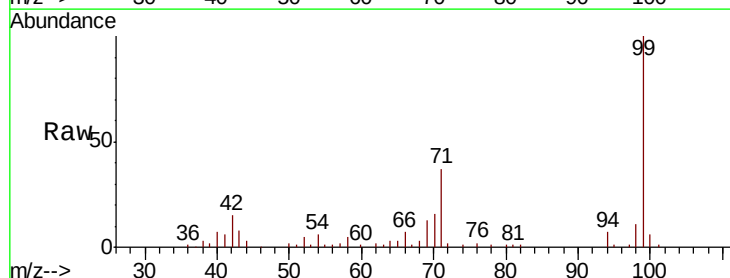
RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

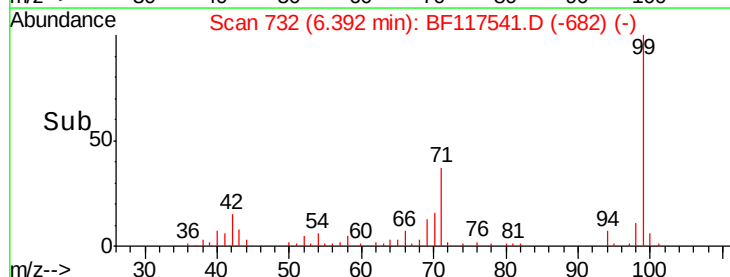
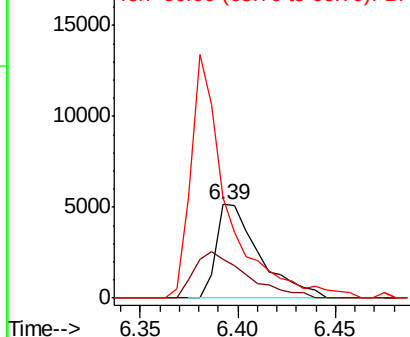
Lab File: BF117541.D

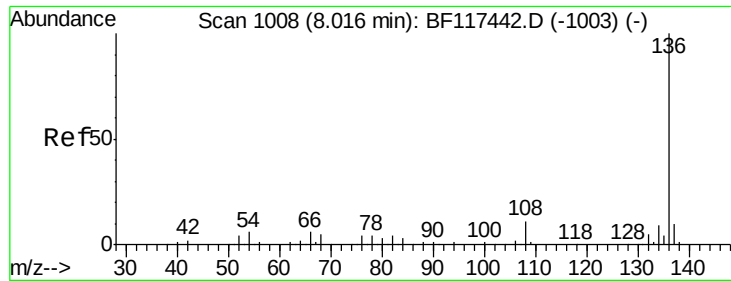
Acq: 25 Oct 2019 17:33

Tgt Ion:	94	Resp:	7898
Ion Ratio	Lower	Upper	
94	100		
65	42.0	23.4	63.4
66	106.4	54.7	94.7#



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





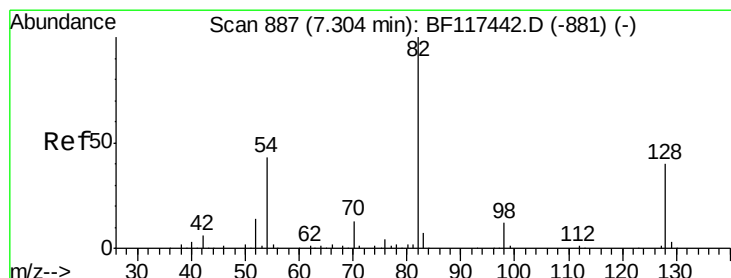
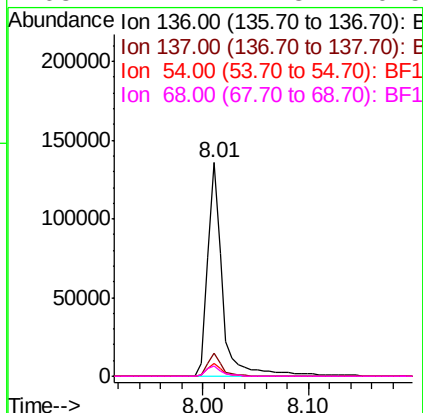
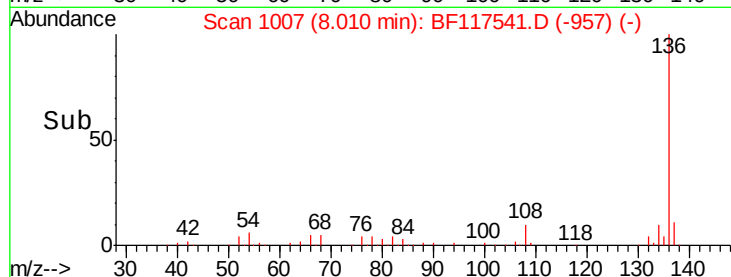
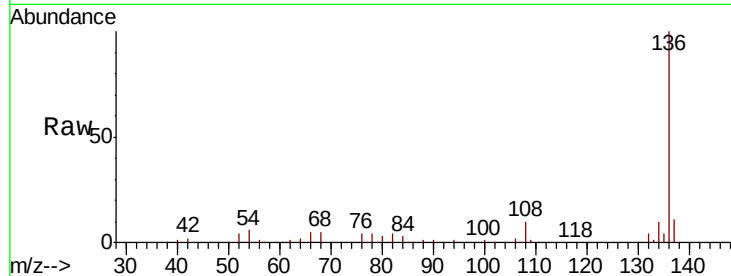
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117541.D
Acq: 25 Oct 2019 17:33

Instrument :
BNA_F
ClientSampleId :
182-08-(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.7	8.2	12.4		
54	6.2	4.5	6.7		
68	4.7	4.3	6.5		

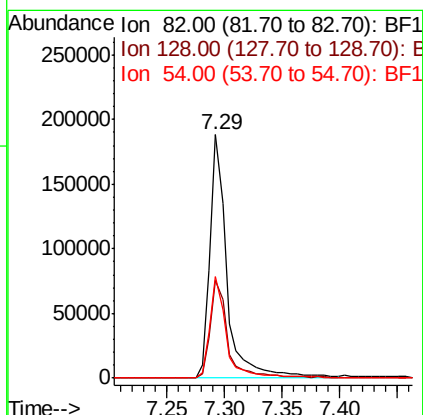
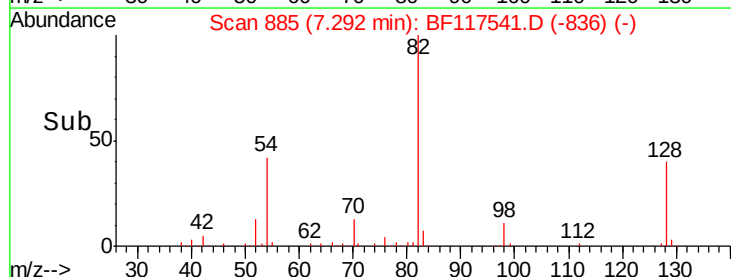
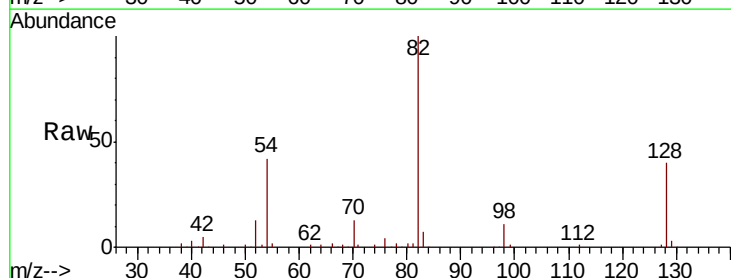
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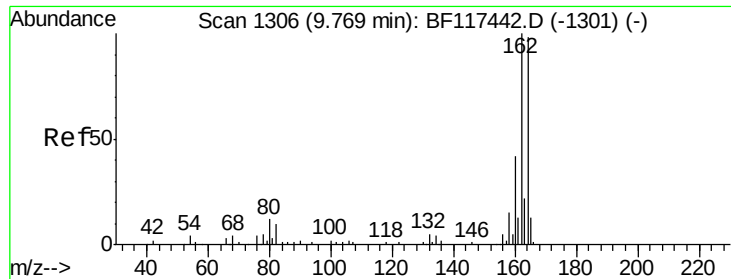
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#23
Nitrobenzene-d5
Concen: 72.553 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117541.D
Acq: 25 Oct 2019 17:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	40.0	32.2	48.2		
54	42.0	34.2	51.2		





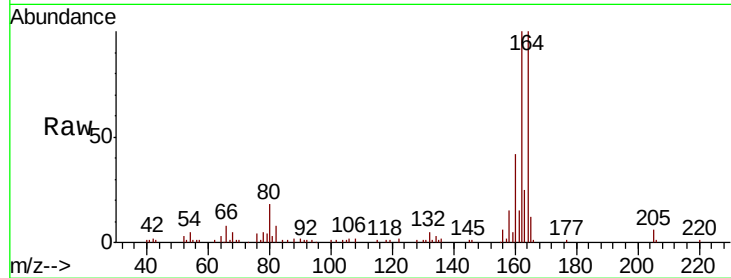
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117541.D
Acq: 25 Oct 2019 17:33

Instrument :
BNA_F
ClientSampleId :
182-08-(0-2)

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.8	122.6
160	42.0	34.4	51.6

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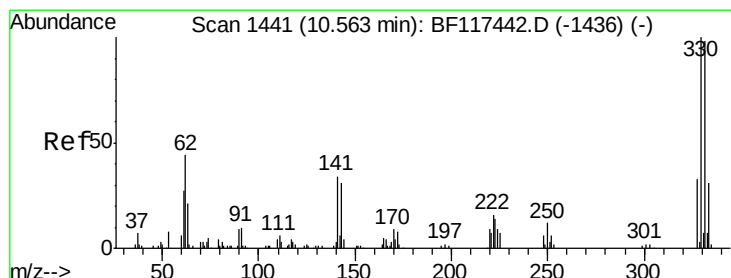
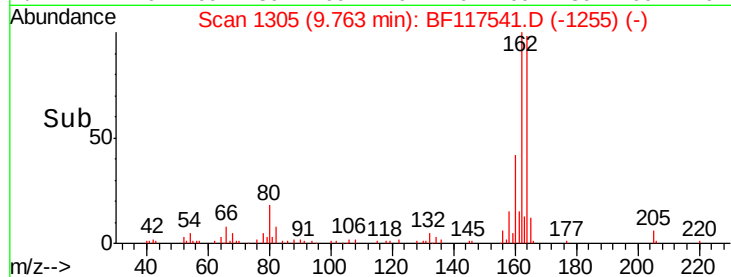
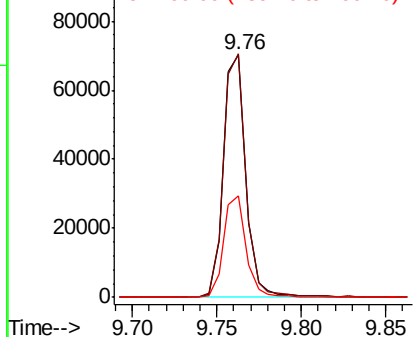


Abundance

Ion 164.00 (163.70 to 164.70): E

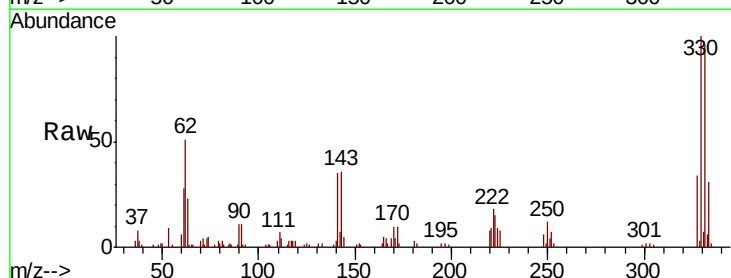
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 88.538 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117541.D
Acq: 25 Oct 2019 17:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.5	117.7
141	44.8	37.0	55.6

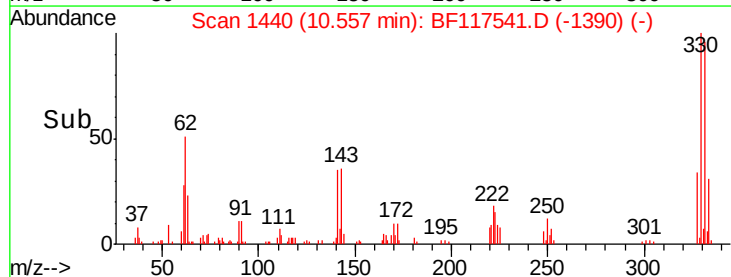
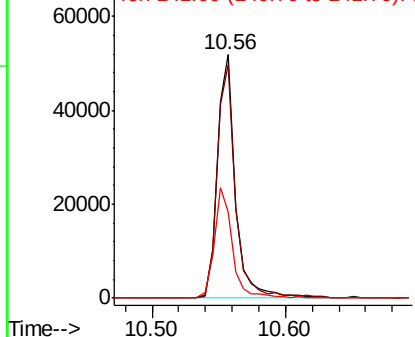


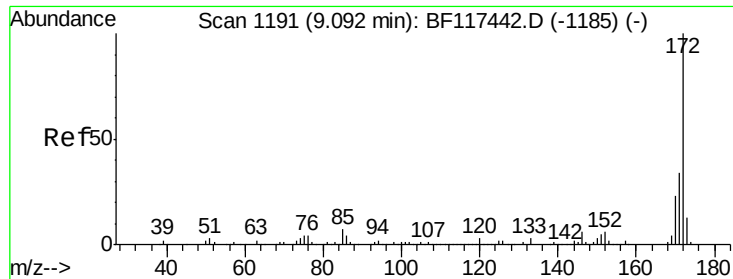
Abundance

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





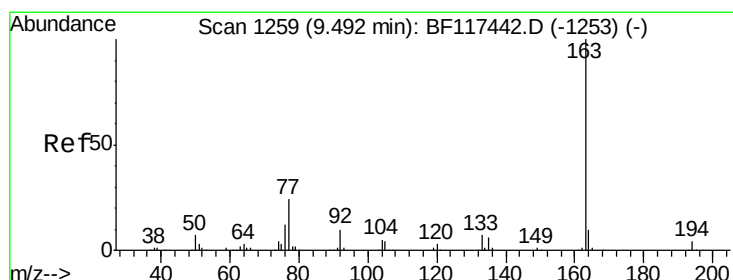
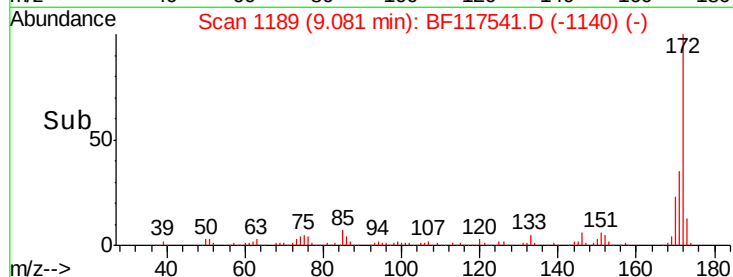
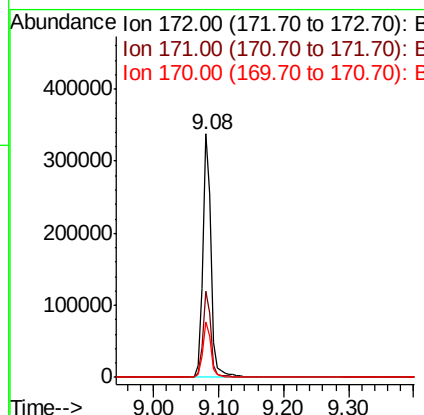
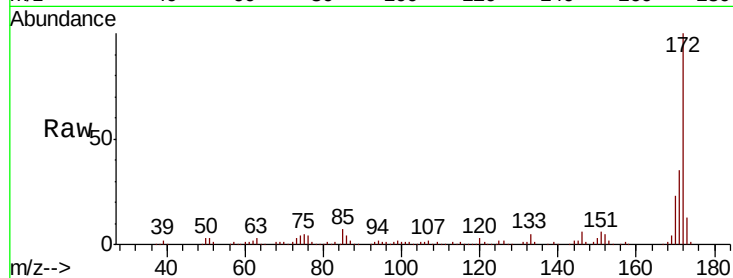
#45
2-Fluorobiphenyl
Concen: 64.396 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117541.D
Acq: 25 Oct 2019 17:33

Instrument :
BNA_F
ClientSampleId :
182-08-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	296301		
171	35.3		27.5	41.3
170	22.9		18.6	27.8

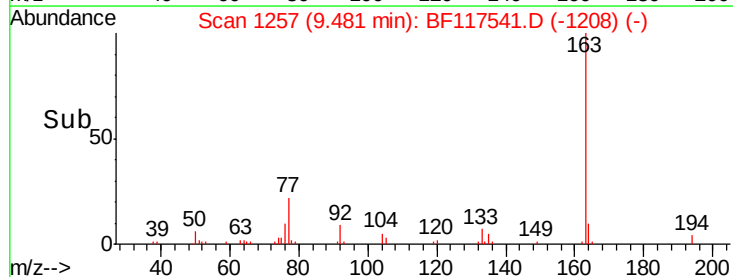
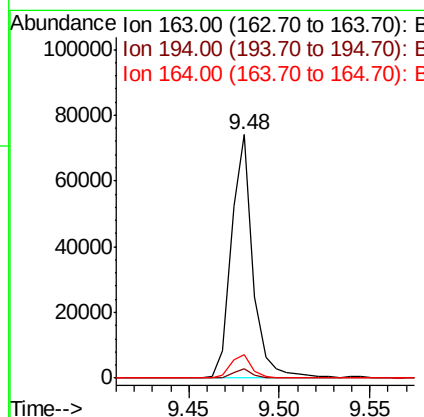
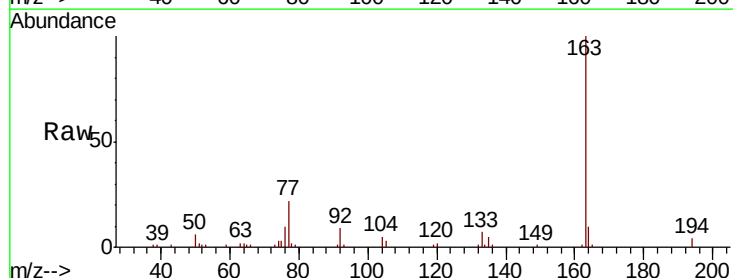
Manual Integrations
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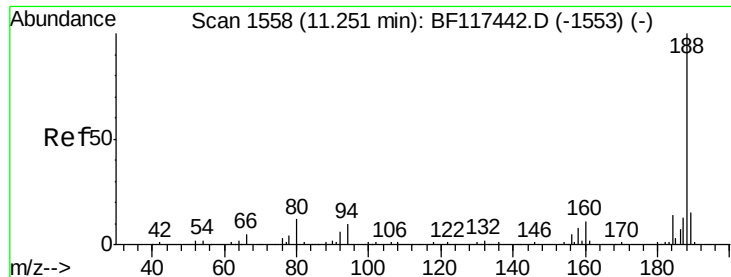
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#50
Dimethylphthalate
Concen: 13.294 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117541.D
Acq: 25 Oct 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	61443		
194	4.0		2.9	4.3
164	9.5		8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF117541.D

Acq: 25 Oct 2019 17:33

Instrument :

BNA_F

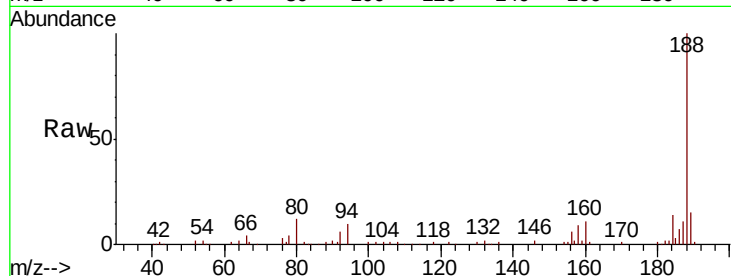
ClientSampleId :

182-08-(0-2)

Tot Ion	188	Resp	90095
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.0	12.0
80	12.2	9.5	14.3

Manual Integrations
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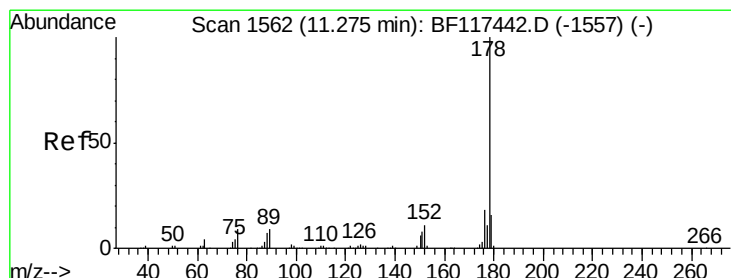
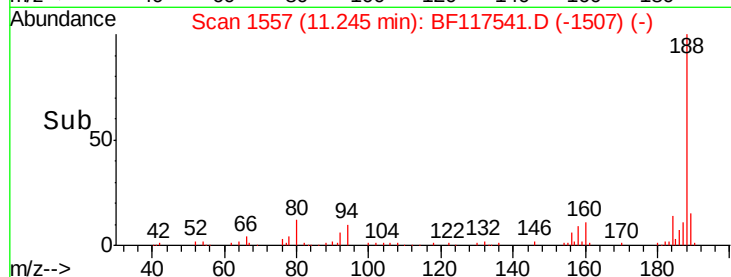
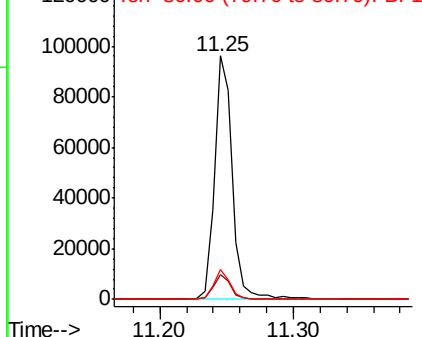
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 13.512 ng

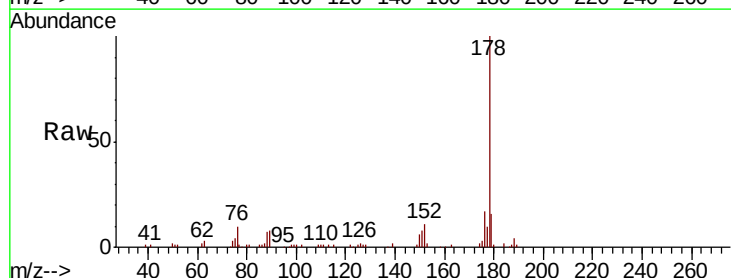
RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF117541.D

Acq: 25 Oct 2019 17:33

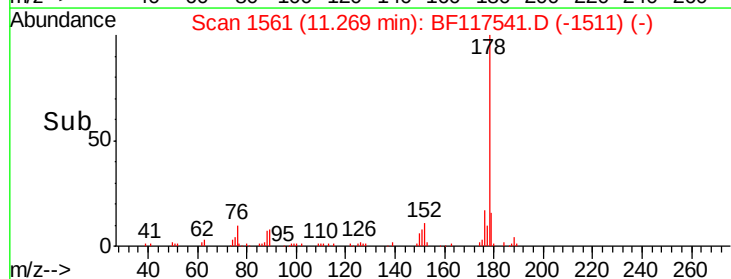
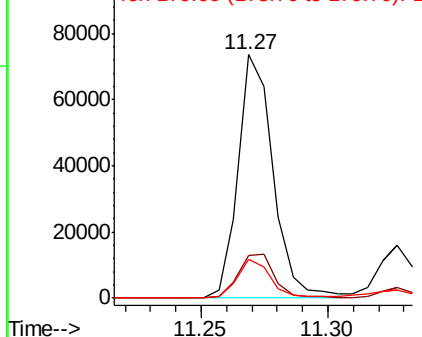
Tgt Ion	178	Resp	70690
Ion Ratio	Lower	Upper	
178	100		
176	17.4	14.6	22.0
179	16.0	12.6	19.0

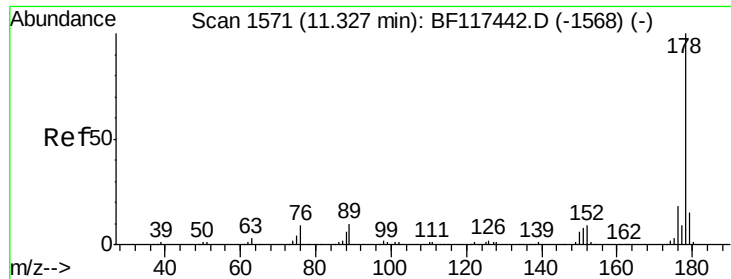


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.915 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117541.D

Acq: 25 Oct 2019 17:33

Instrument :

BNA_F

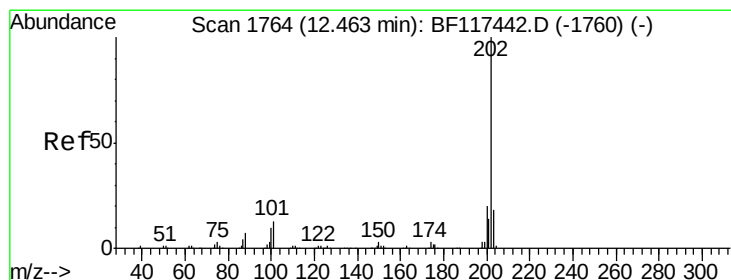
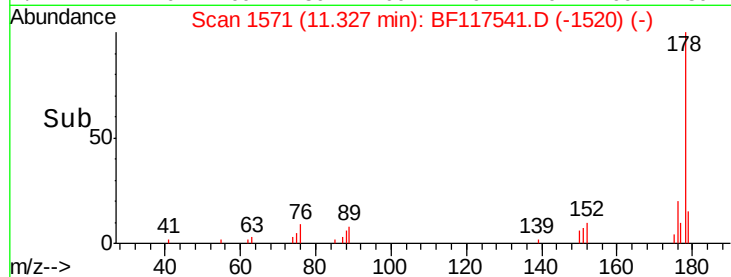
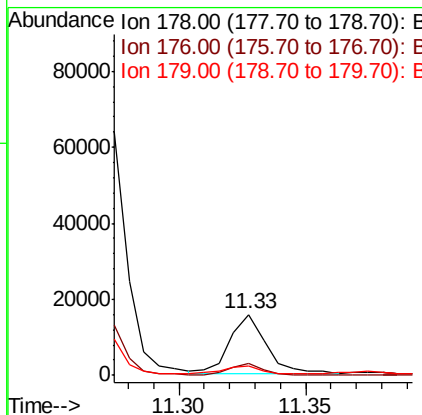
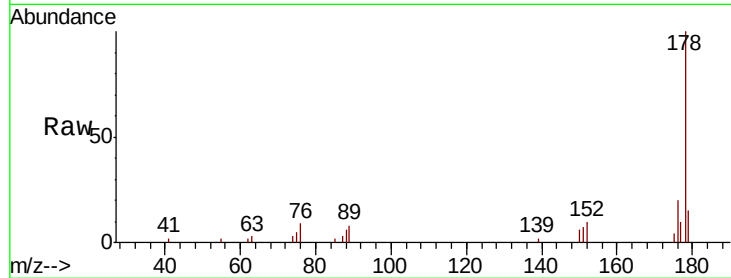
ClientSampleId :

182-08-(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	14.7	22.1
179	14.9	12.2	18.2

Manual Integrations
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#75

Fluoranthene

Concen: 20.443 ng

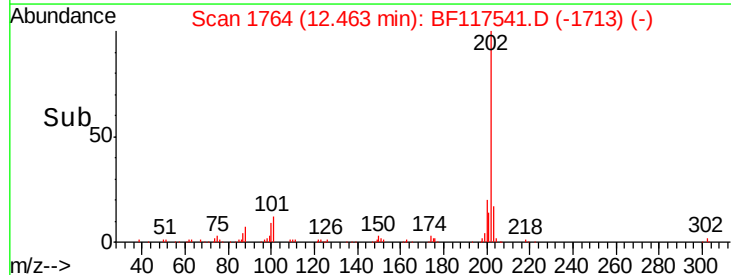
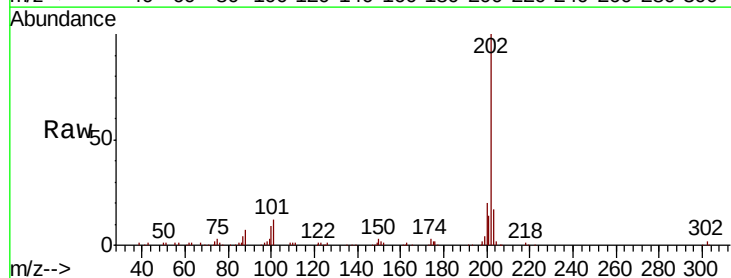
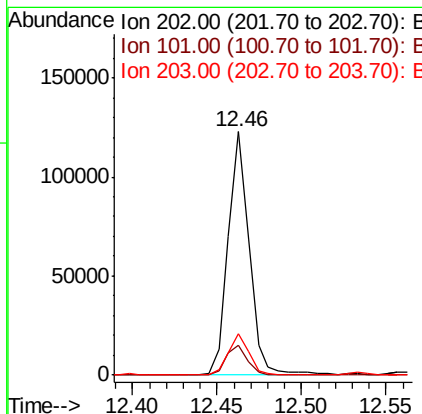
RT: 12.46 min Scan# 1764

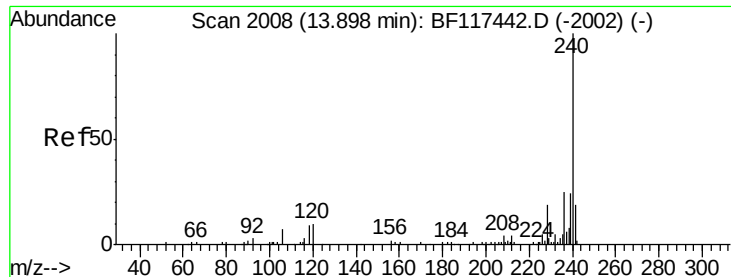
Delta R.T. 0.00 min

Lab File: BF117541.D

Acq: 25 Oct 2019 17:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.7
203	17.2	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117541.D

Acq: 25 Oct 2019 17:33

Instrument :

BNA_F

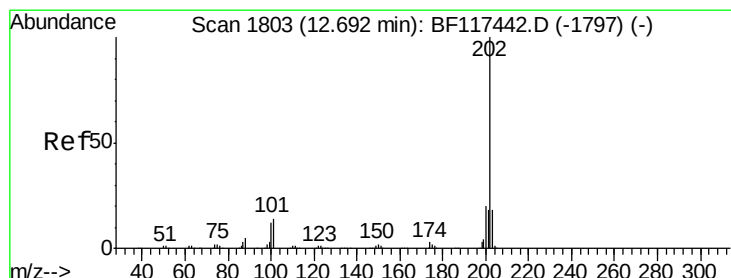
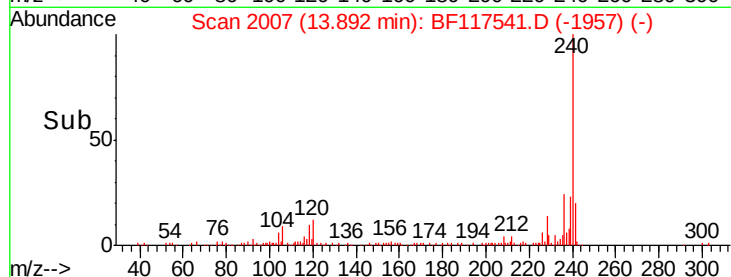
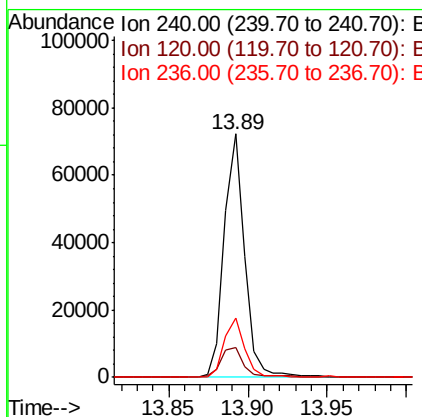
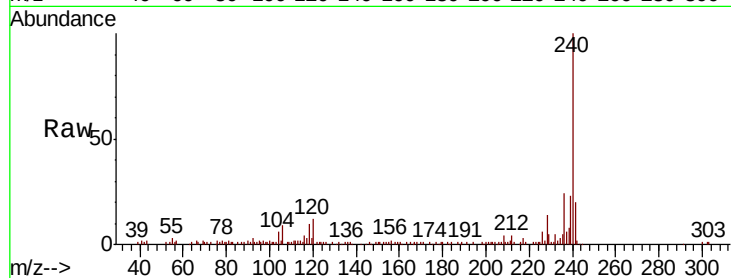
ClientSampleId :

182-08-(0-2)

Tot Ion:	240	Resp:	64549
Ion Ratio	Lower	Upper	
240	100		
120	12.3	8.4	12.6
236	24.2	20.0	30.0

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#78

Pyrene

Concen: 16.555 ng

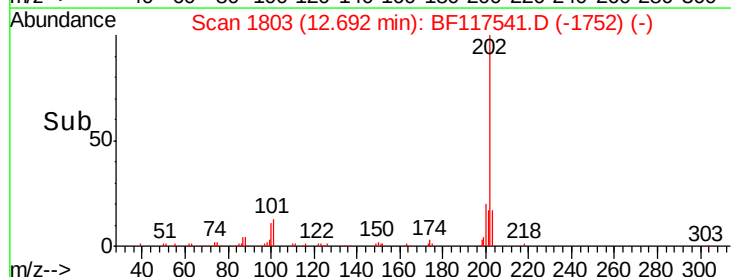
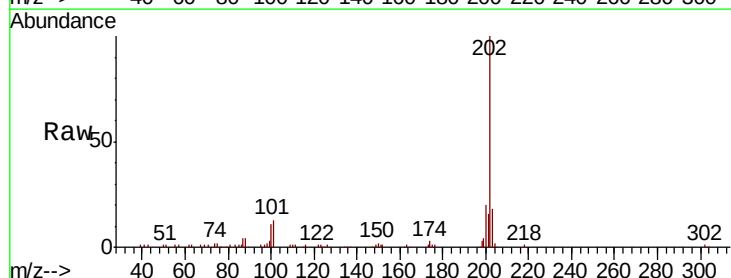
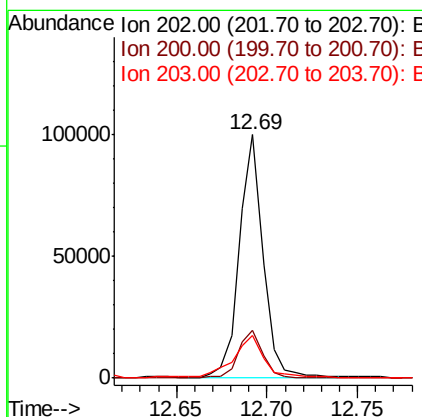
RT: 12.69 min Scan# 1803

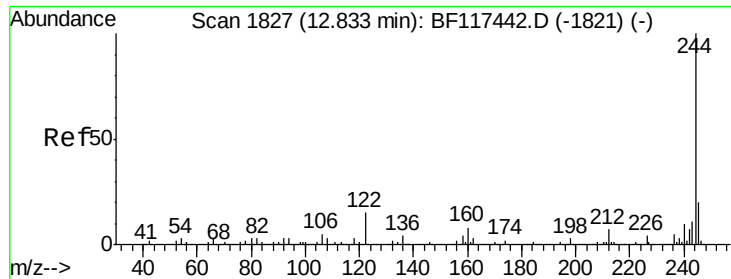
Delta R.T. -0.00 min

Lab File: BF117541.D

Acq: 25 Oct 2019 17:33

Tgt Ion:	202	Resp:	91790
Ion Ratio	Lower	Upper	
202	100		
200	19.6	16.2	24.2
203	17.6	14.0	21.0





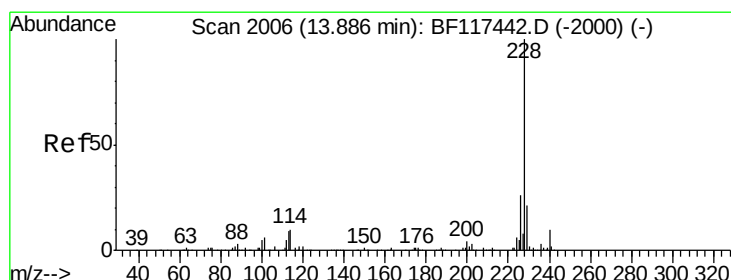
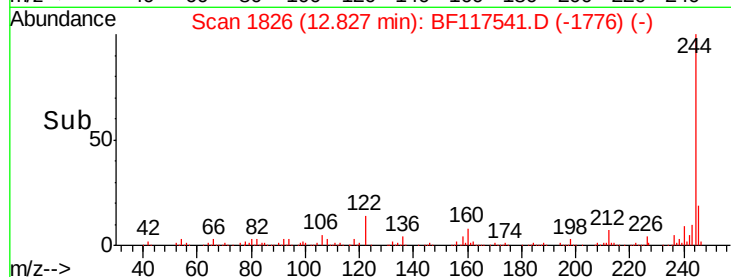
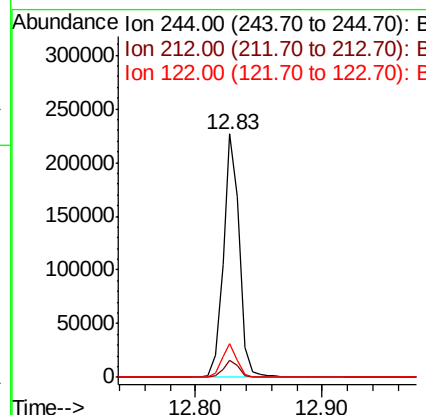
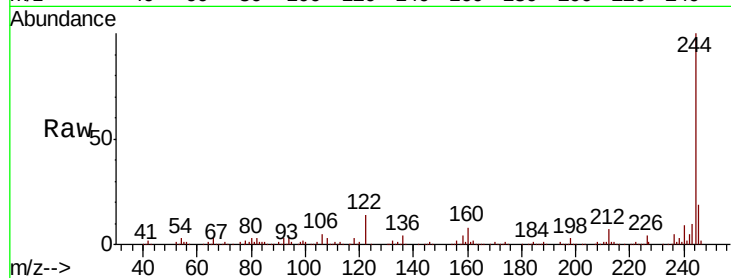
#79
 Terphenyl-d14
 Concen: 50.507 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117541.D
 Acq: 25 Oct 2019 17:33

Instrument :
 BNA_F
 ClientSampleId :
 182-08-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	13.7	11.8	17.8

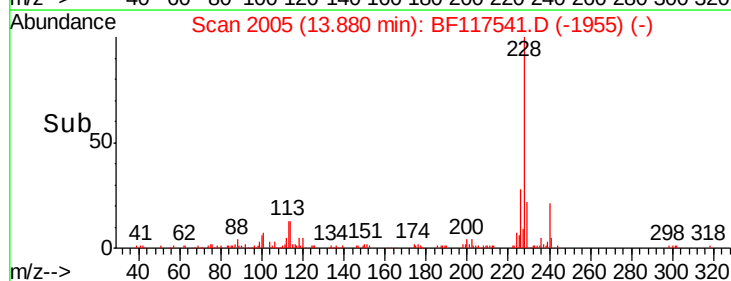
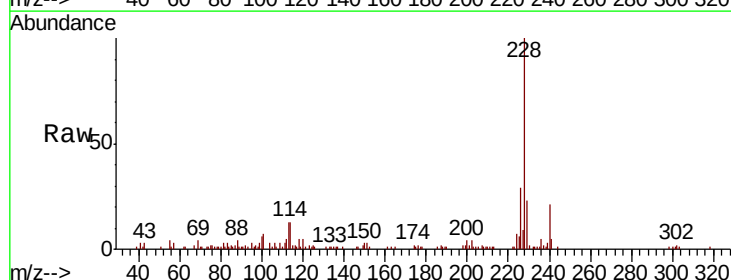
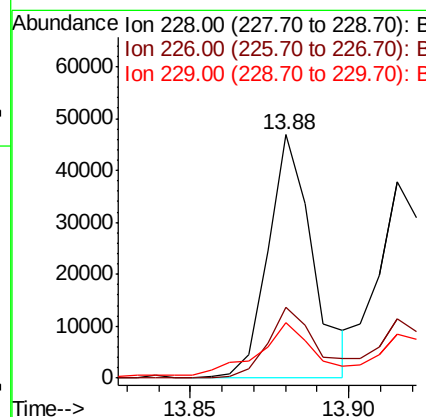
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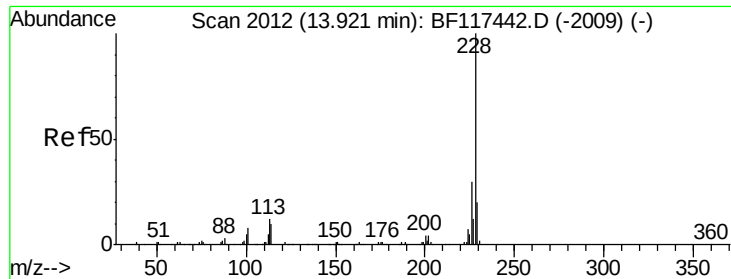
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#81
 Benzo(a)anthracene
 Concen: 10.566 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117541.D
 Acq: 25 Oct 2019 17:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.0	31.4
229	23.0	16.4	24.6





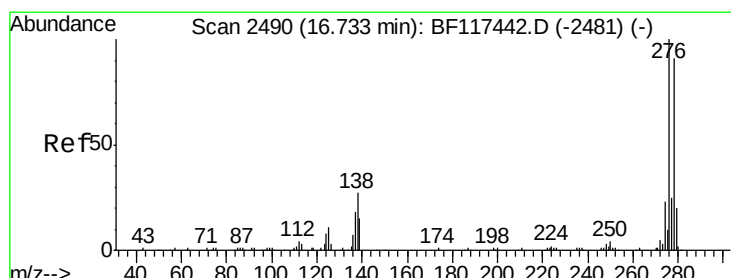
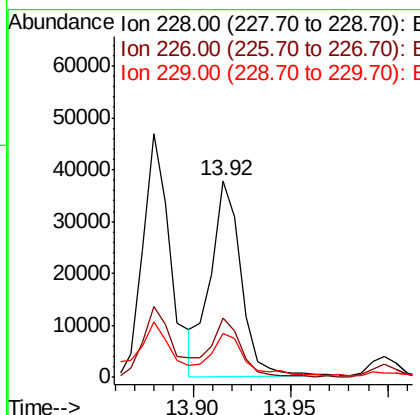
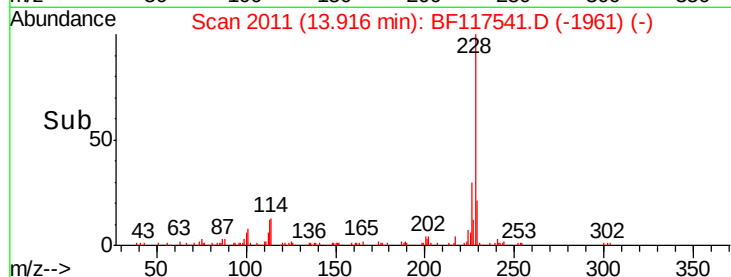
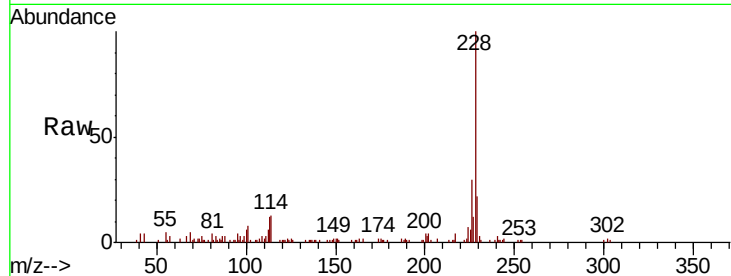
#83
Chrysene
Concen: 9.583 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117541.D
Acq: 25 Oct 2019 17:33

Instrument :
BNA_F
ClientSampleId :
182-08-(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		40895		
226	30.3		23.9	35.9	
229	22.3		15.8	23.6	

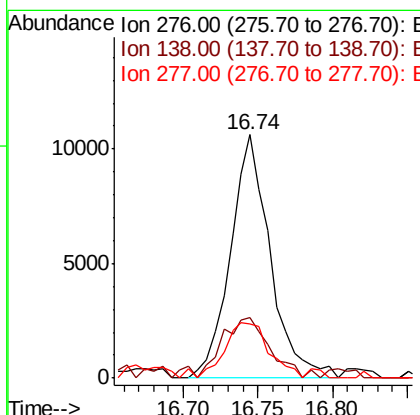
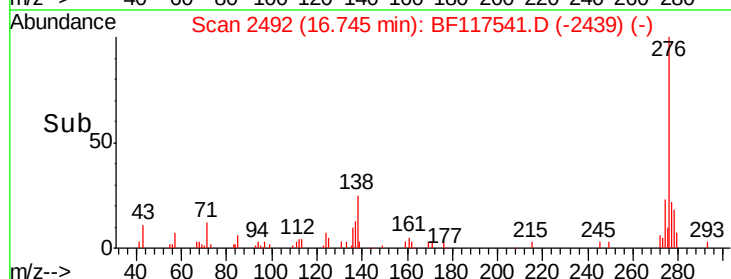
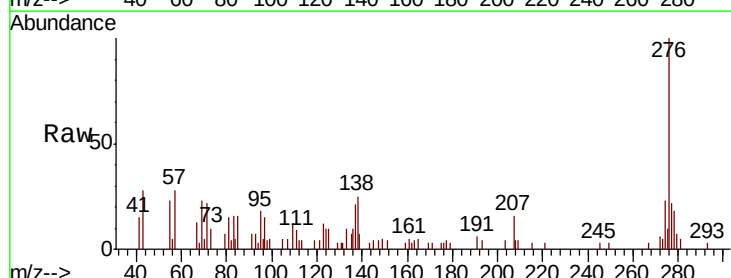
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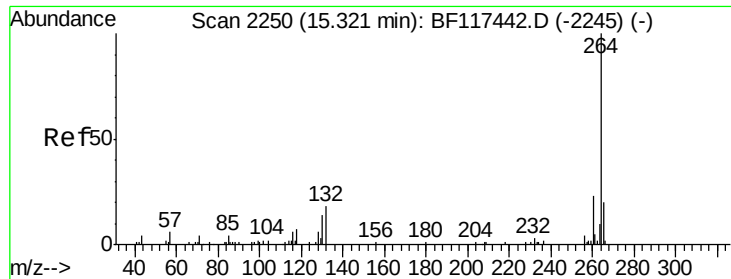
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.193 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117541.D
Acq: 25 Oct 2019 17:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		19730		
138	29.7		21.8	32.8	
277	25.8		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: BF117541.D

Acq: 25 Oct 2019 17:33

Instrument :

BNA_F

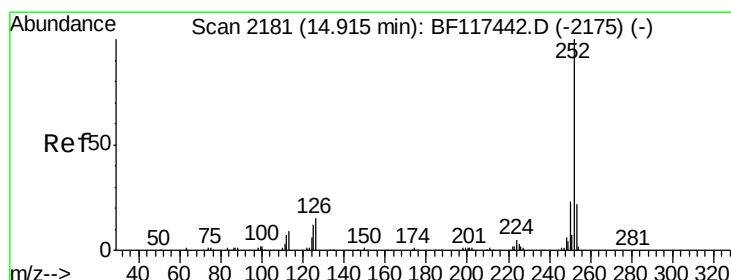
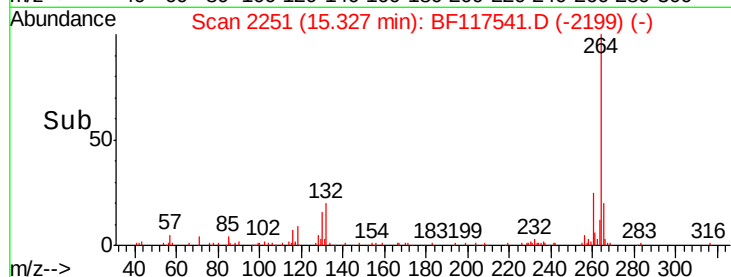
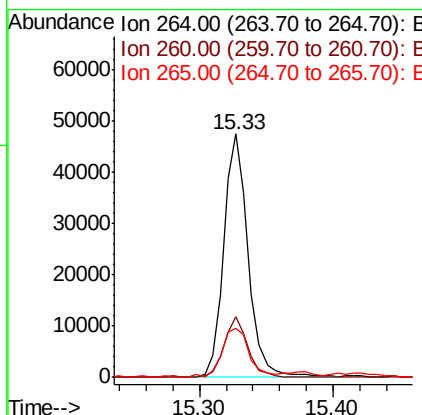
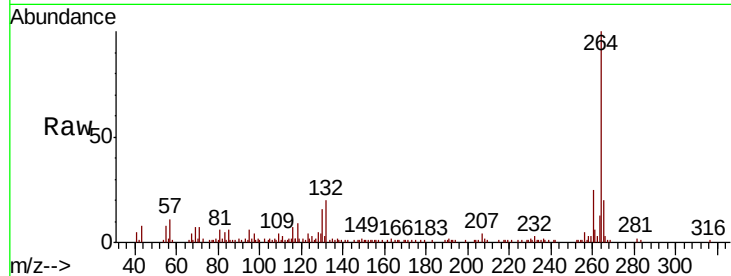
ClientSampleId :

182-08-(0-2)

Tot Ion:	264	Resp:	60922
Ion Ratio	Lower	Upper	
264	100		
260	24.7	18.4	27.6
265	20.1	16.1	24.1

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#88

Benzo(b)fluoranthene

Concen: 13.527 ng m

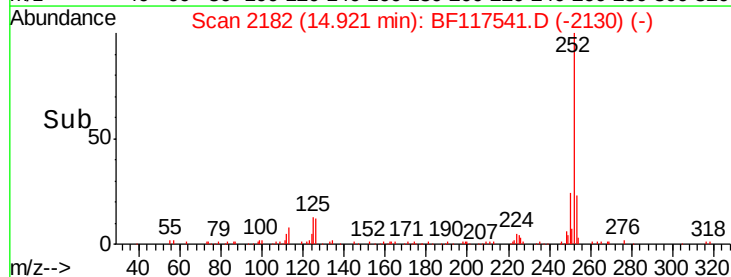
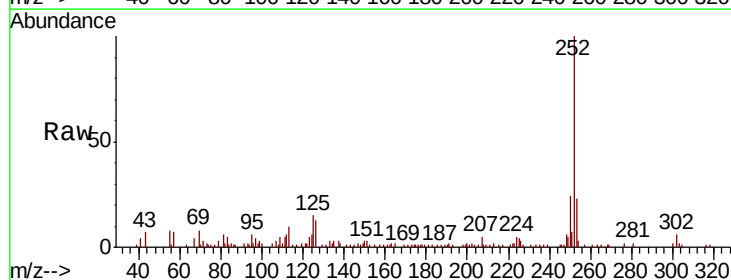
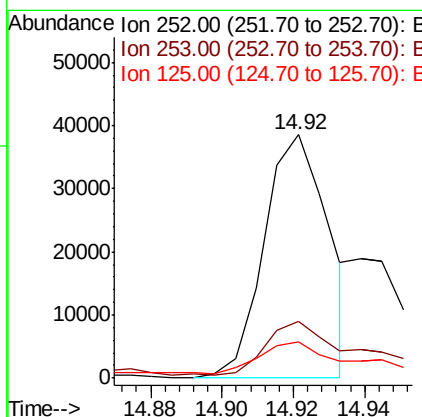
RT: 14.92 min Scan# 2182

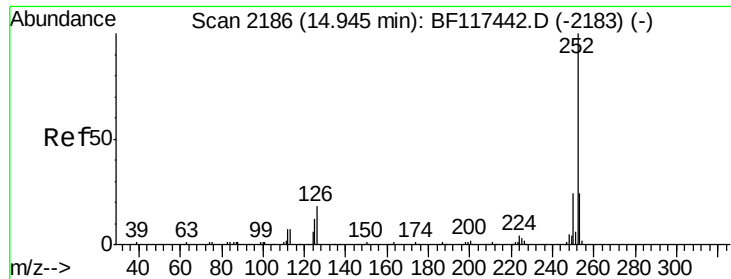
Delta R.T. 0.01 min

Lab File: BF117541.D

Acq: 25 Oct 2019 17:33

Tgt Ion:	252	Resp:	48664
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.6
125	14.7	9.9	14.9





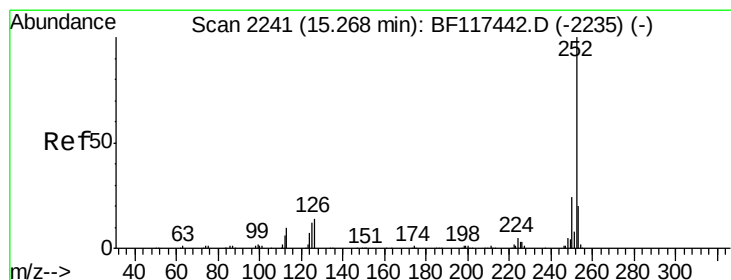
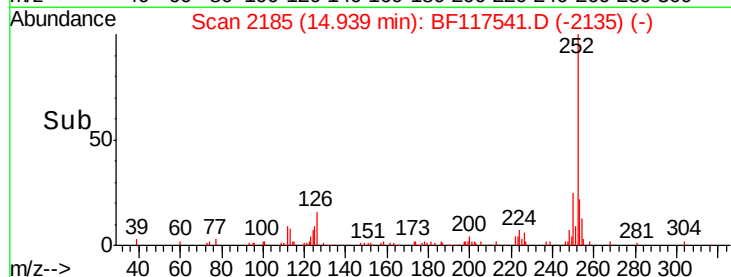
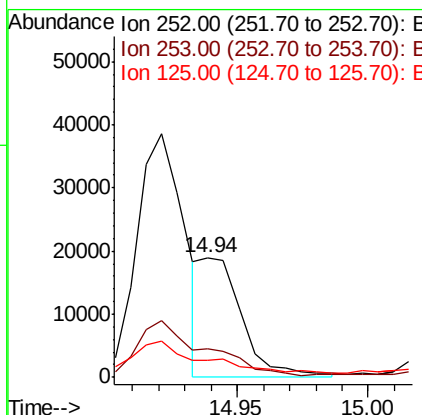
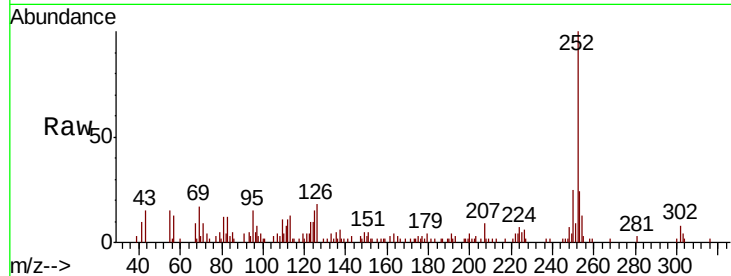
#89
Benzo(k)fluoranthene
Concen: 5.470 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF117541.D
Acq: 25 Oct 2019 17:33

Instrument :
BNA_F
ClientSampleId :
182-08-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	14.6	8.9	13.3

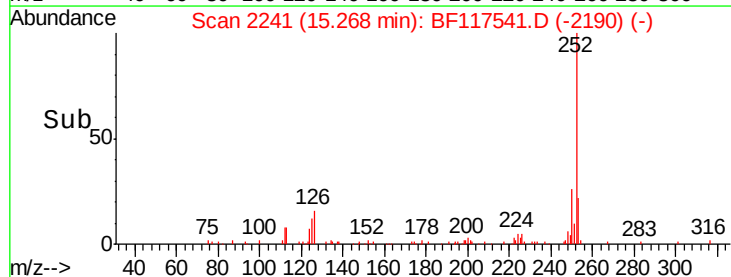
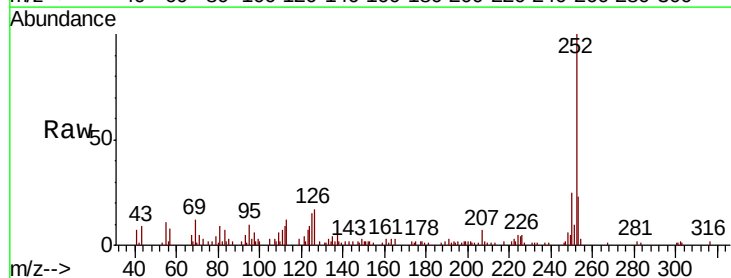
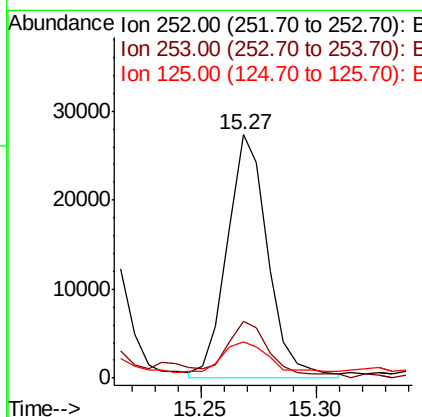
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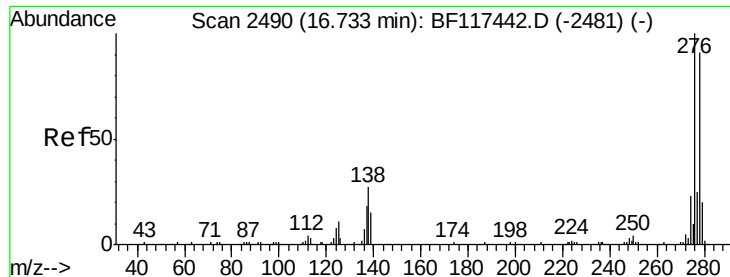
mohammad
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#90
Benzo(a)pyrene
Concen: 10.292 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.00 min
Lab File: BF117541.D
Acq: 25 Oct 2019 17:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.3	24.5
125	14.8	9.2	13.8





#91

Dibenzo(a,h)anthracene

Concen: 2.120 ng

RT: 16.74 min Scan# 2491

Delta R.T. 0.01 min

Lab File: BF117541.D

Acq: 25 Oct 2019 17:33

Instrument :

BNA_F

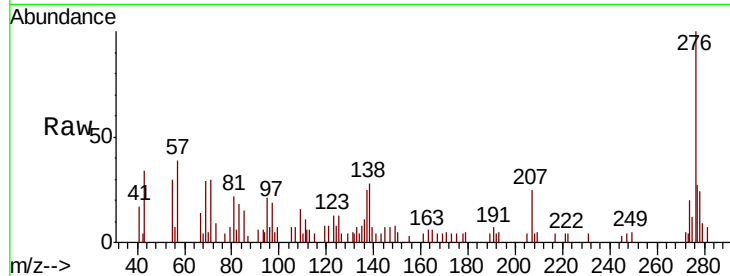
ClientSampleId :

182-08-(0-2)

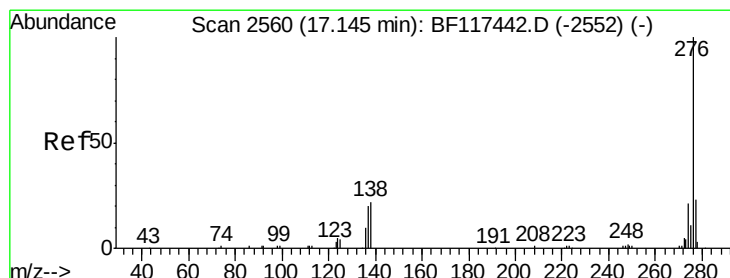
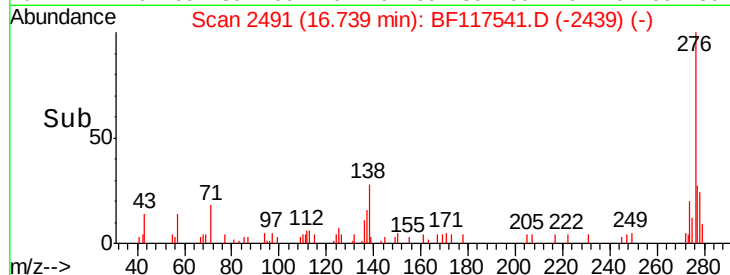
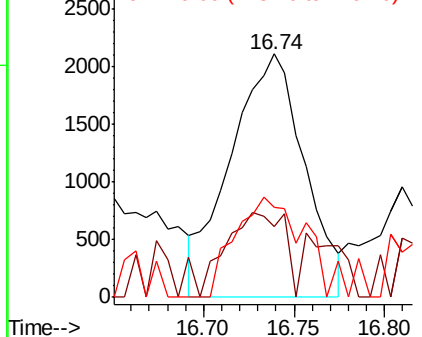
Tot Ion:	278	Resp:	5996
Ion Ratio	Lower	Upper	
278	100		
139	29.0	13.4	20.0#
279	37.2	17.8	26.6#

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 6.460 ng

RT: 17.17 min Scan# 2564

Delta R.T. 0.02 min

Lab File: BF117541.D

Acq: 25 Oct 2019 17:33

Tgt Ion:	276	Resp:	17286
Ion Ratio	Lower	Upper	
276	100		
277	28.3	18.4	27.6#
138	30.5	17.8	26.6#

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

