

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117626.D
 Acq On : 30 Oct 2019 15:59
 Operator : JU
 Sample : K5542-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 201-22-(0-1)

Manual Integrations
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Quant Time: Nov 07 08:06:59 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	39339	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	154812	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	73870	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	103244	20.00	ng	0.00
76) Chrysene-d12	13.90	240	80138	20.00	ng	0.00
87) Perylene-d12	15.34	264	69635	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	210181	79.49	ng	0.00
7) Phenol-d6	6.39	99	294028	82.79	ng	0.00
23) Nitrobenzene-d5	7.29	82	181753	57.96	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	45678	71.47	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	280464	53.50	ng	-0.01
79) Terphenyl-d14	12.83	244	202162	41.15	ng	0.00
Target Compounds						
10) Phenol	6.41	94	7334	2.023	ng	82
50) Dimethylphthalate	9.48	163	46046	8.744	ng	99
71) Phenanthrene	11.27	178	104412	17.417	ng	98
72) Anthracene	11.33	178	26578	4.321	ng	97
75) Fluoranthene	12.46	202	166518	27.746	ng	99
78) Pyrene	12.69	202	143982	20.917	ng	98
81) Benzo(a)anthracene	13.89	228	78710	14.561	ng	97
83) Chrysene	13.92	228	66174	12.491	ng	98
84) Bis(2-ethylhexyl)phthalate	13.86	149	10691	2.228	ng	98
86) Indeno(1,2,3-cd)pyrene	16.76	276	27175	6.870	ng	98
88) Benzo(b)fluoranthene	14.93	252	79885m	19.427	ng	
89) Benzo(k)fluoranthene	14.95	252	22579m	5.357	ng	
90) Benzo(a)pyrene	15.28	252	50906	13.616	ng	93
91) Dibenzo(a,h)anthracene	16.75	278	7012	2.169	ng	# 78
92) Benzo(a,h,i)perylene	17.20	276	25212	8.243	ng	96

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

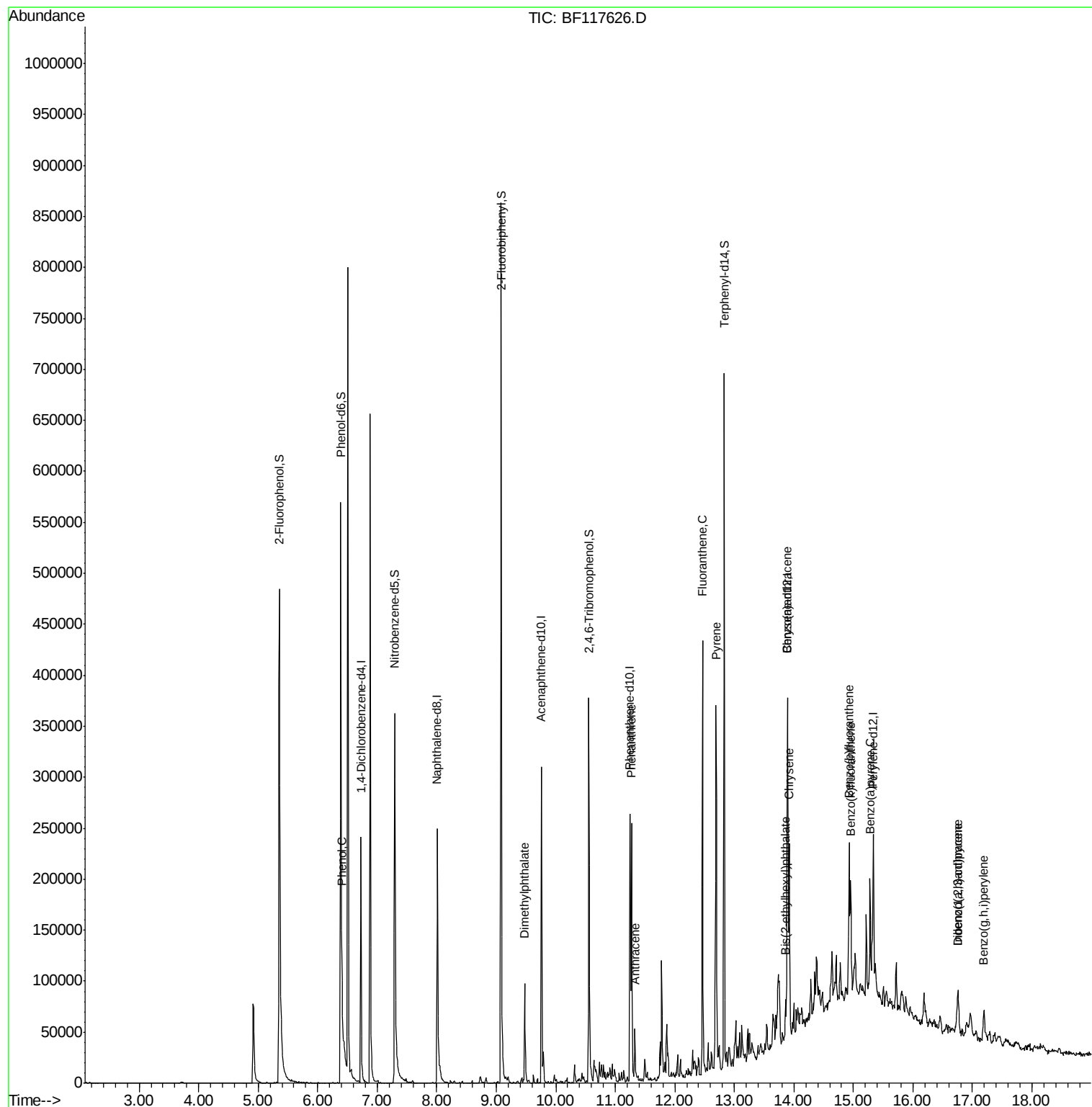
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117626.D
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ALS Vial : 13 Sample Multiplier: 1

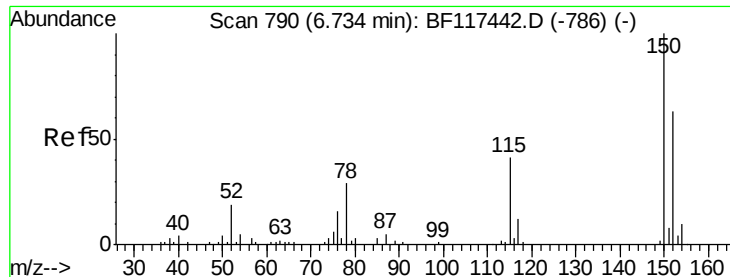
Instrument :
BNA_F
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201-22-(0-1)

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Quant Time: Nov 07 08:06:59 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

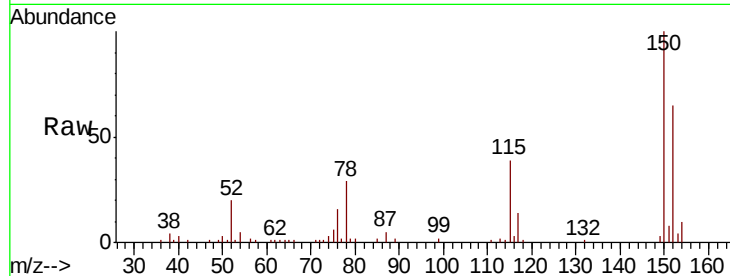
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117626.D
Acq: 30 Oct 2019 15:59

Instrument :
BNA_F
ClientSampleId :
201-22-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.8	190.2
115	60.8	51.6	77.4

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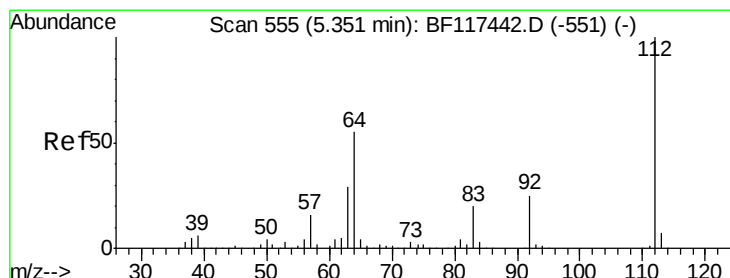
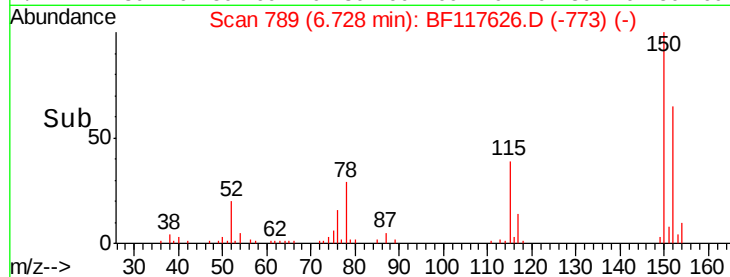
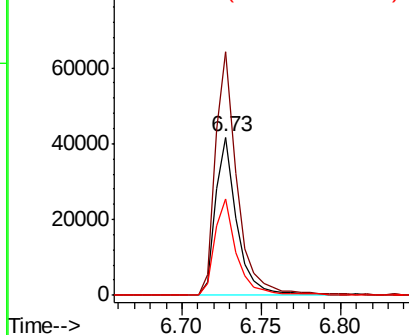


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

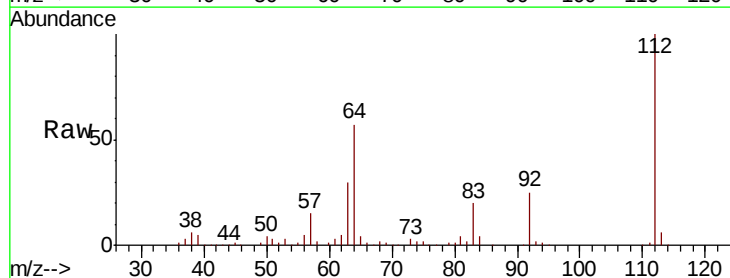
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 79.485 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117626.D
Acq: 30 Oct 2019 15:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	44.1	66.1
63	30.1	23.4	35.2

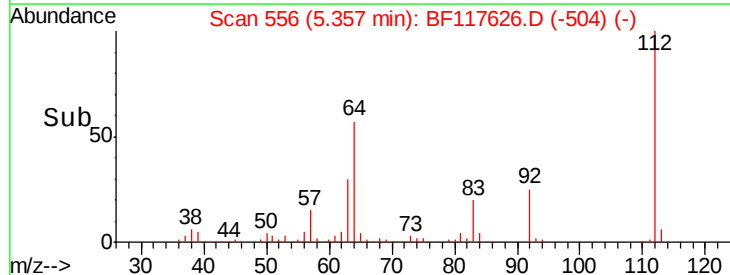
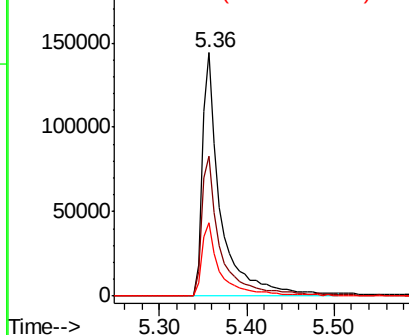


Abundance

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: 82.788 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117626.D

Acq: 30 Oct 2019 15:59

Instrument :

BNA_F

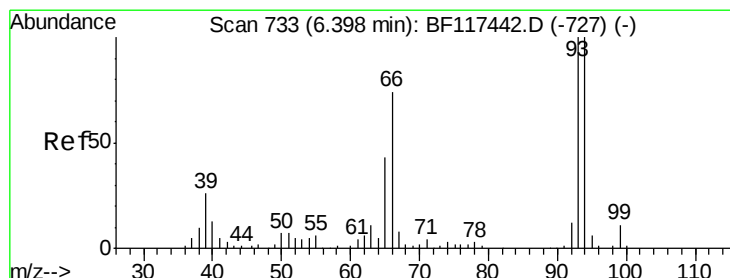
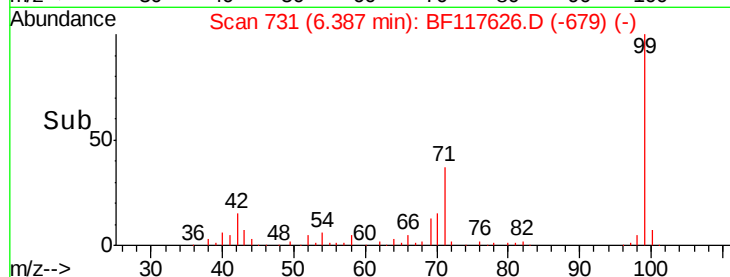
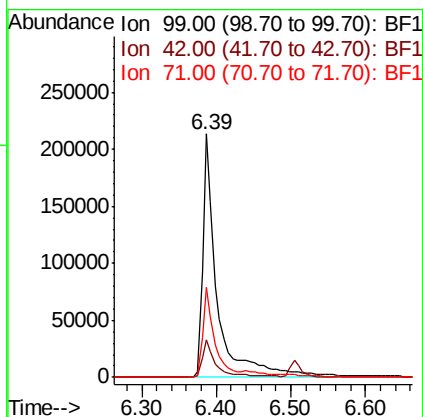
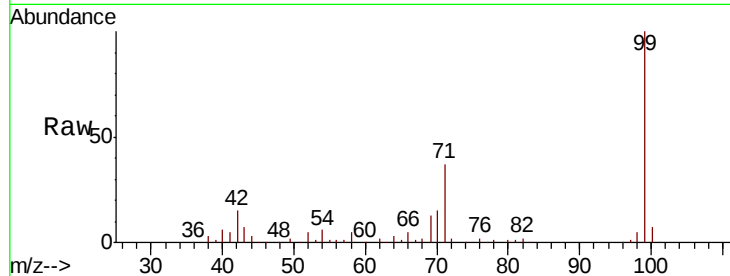
ClientSampleId :

201-22-(0-1)

Tot Ion:	99	Resp:	294028
Ion Ratio	Lower	Upper	
99	100		
42	15.3	12.8	19.2
71	37.0	28.6	43.0

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#10

Phenol

Concen: 2.023 ng

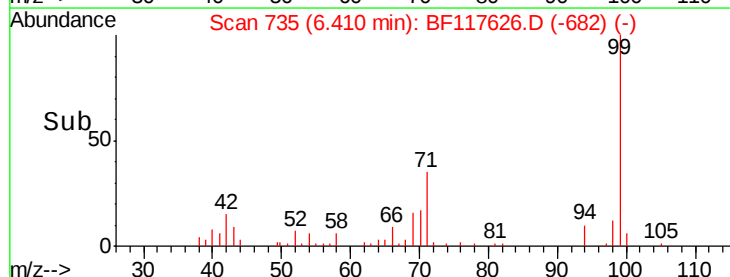
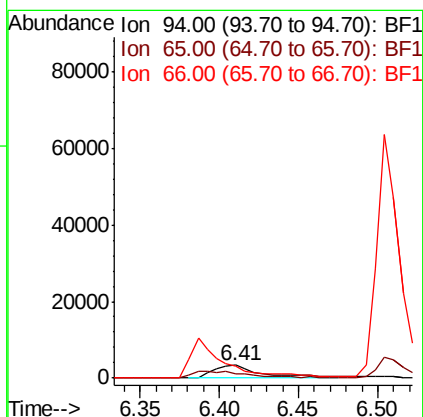
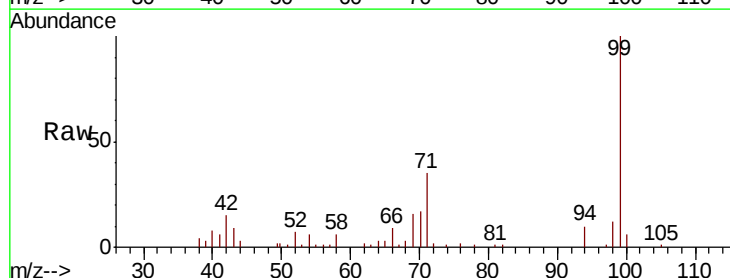
RT: 6.41 min Scan# 735

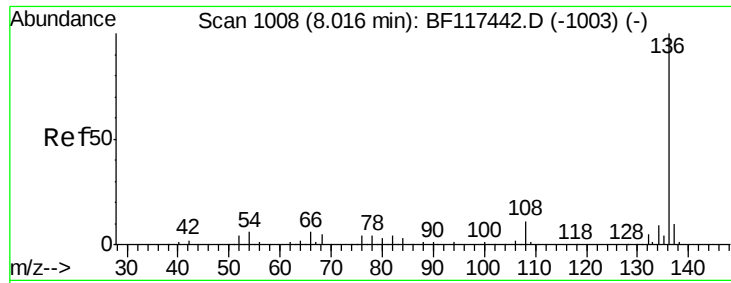
Delta R.T. 0.01 min

Lab File: BF117626.D

Acq: 30 Oct 2019 15:59

Tgt Ion:	94	Resp:	7334
Ion Ratio	Lower	Upper	
94	100		
65	33.0	23.4	63.4
66	90.6	54.7	94.7





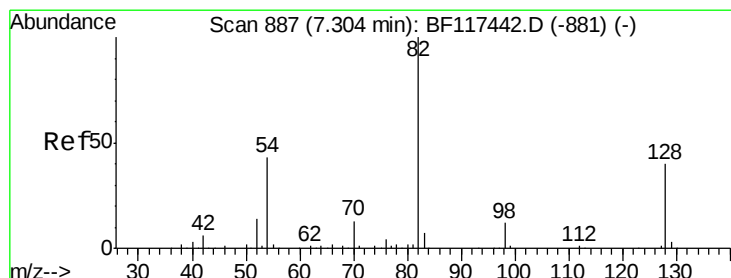
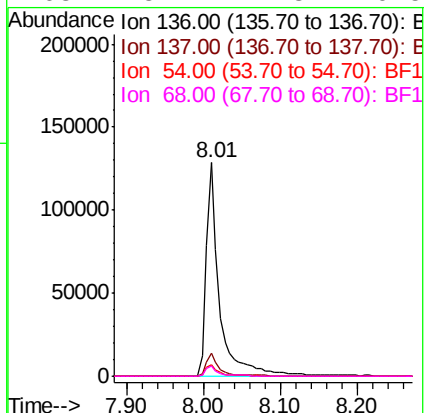
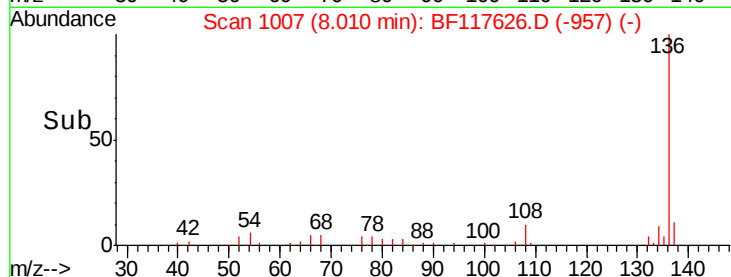
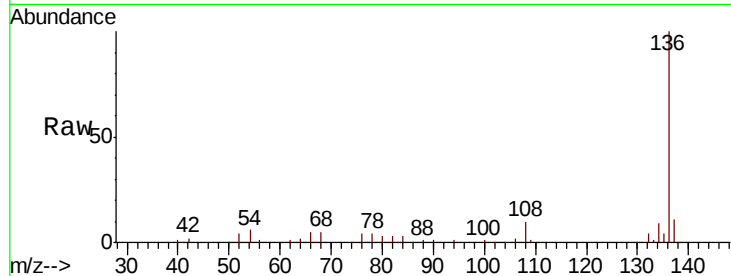
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117626.D
Acq: 30 Oct 2019 15:59

Instrument :
BNA_F
ClientSampleId :
201-22-(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.1	8.2	12.4		
54	5.6	4.5	6.7		
68	5.1	4.3	6.5		

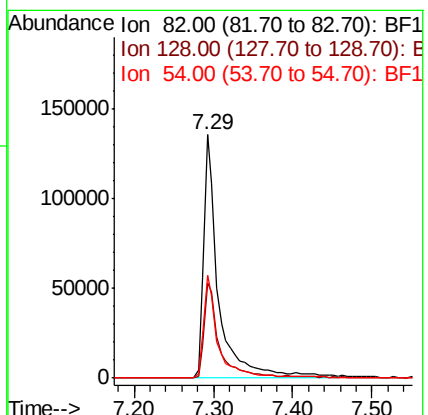
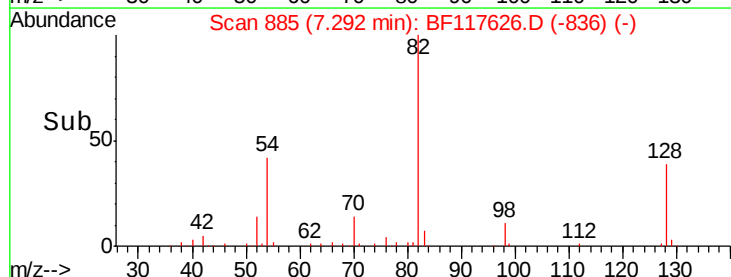
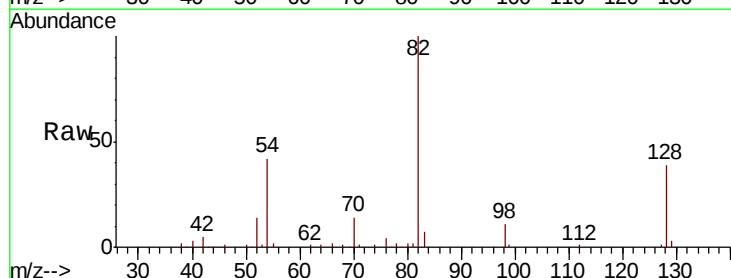
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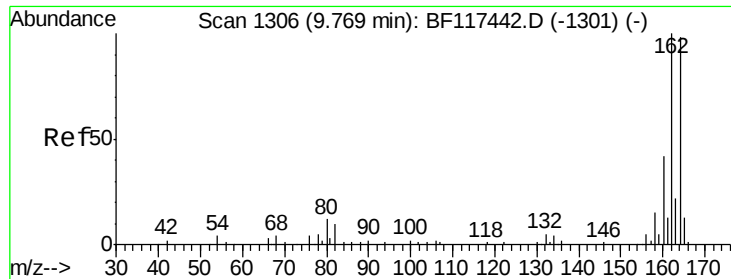
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#23
Nitrobenzene-d5
Concen: 57.959 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117626.D
Acq: 30 Oct 2019 15:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	39.1	32.2	48.2		
54	42.0	34.2	51.2		





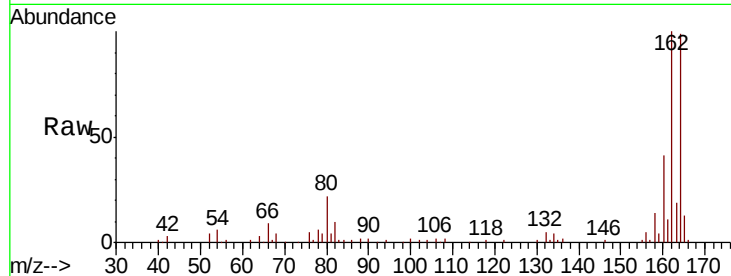
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF117626.D
 Acq: 30 Oct 2019 15:59

Instrument :
 BNA_F
 ClientSampleId :
 201-22-(0-1)

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.8	122.6
160	41.4	34.4	51.6

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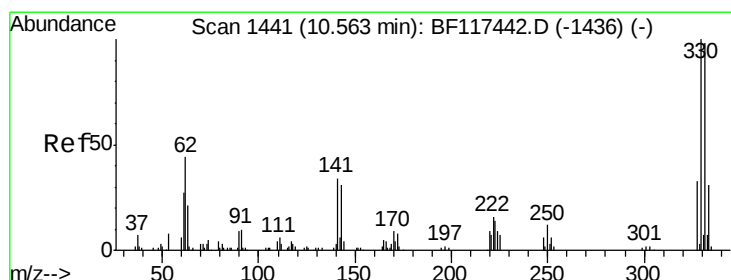
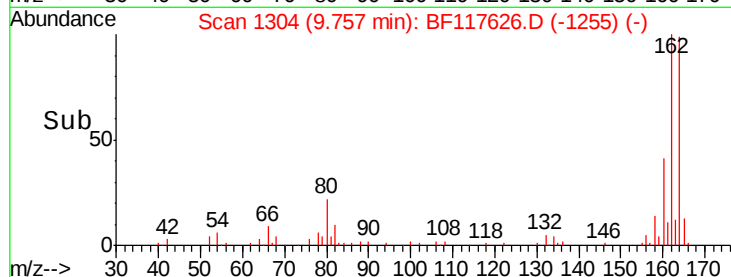
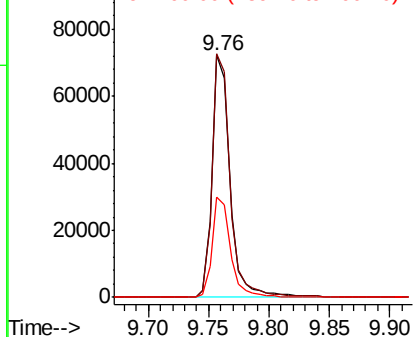


Abundance

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: 71.465 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117626.D
 Acq: 30 Oct 2019 15:59

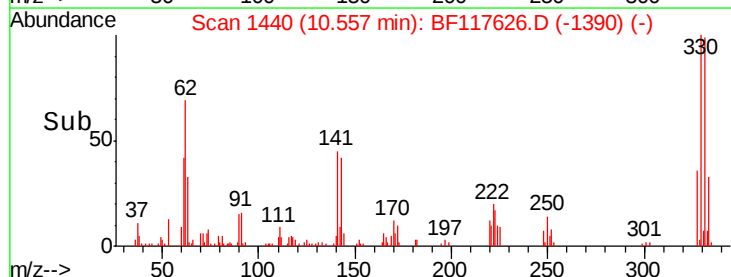
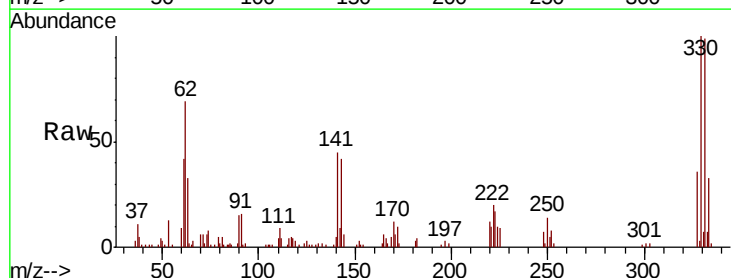
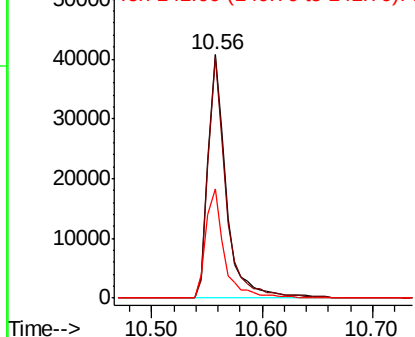
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.5	117.7
141	45.5	37.0	55.6

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





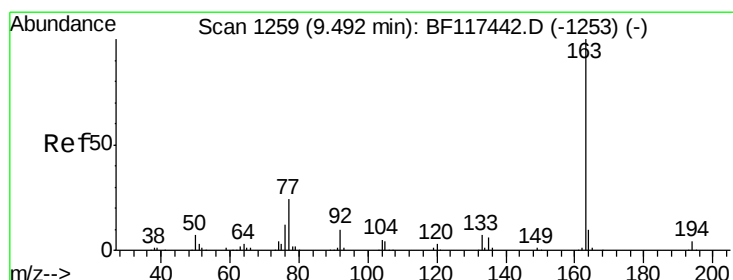
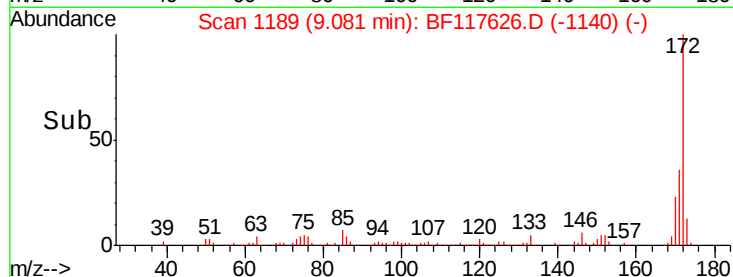
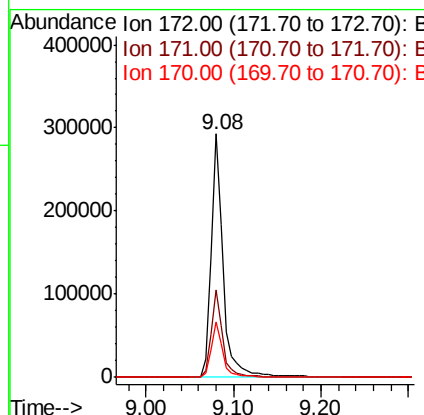
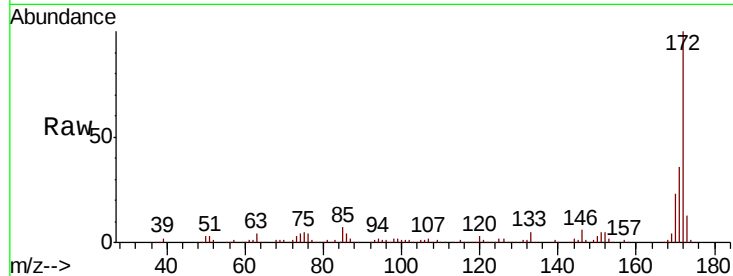
#45
2-Fluorobiphenyl
Concen: 53.495 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117626.D
Acq: 30 Oct 2019 15:59

Instrument :
BNA_F
ClientSampleId :
201-22-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	280464		
171	35.9		27.5	41.3
170	22.6		18.6	27.8

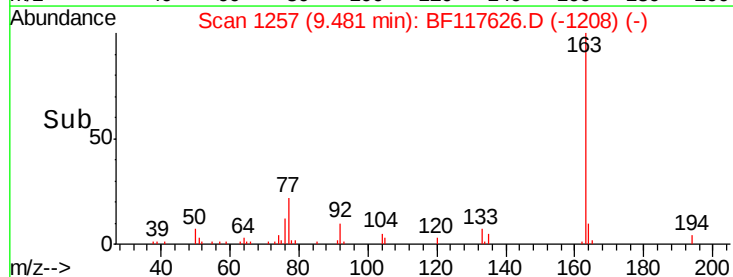
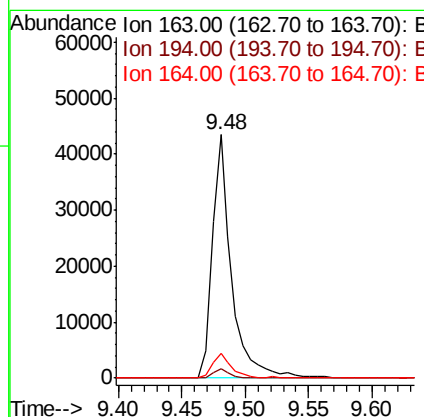
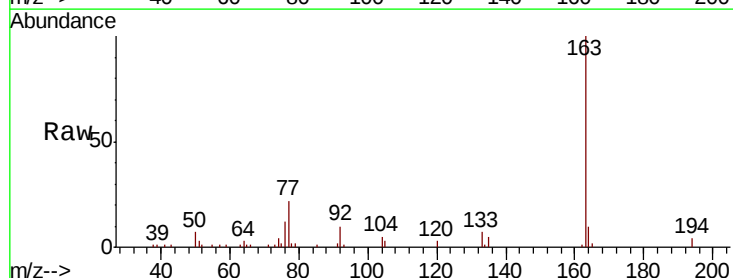
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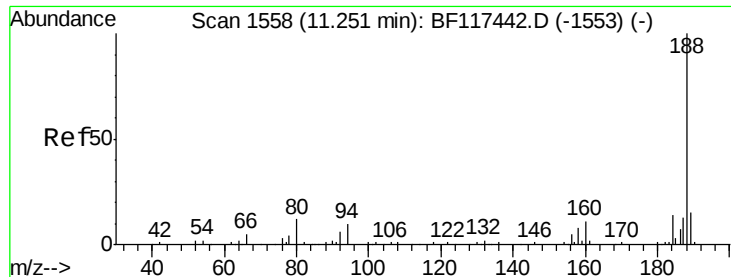
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#50
Dimethylphthalate
Concen: 8.744 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117626.D
Acq: 30 Oct 2019 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	46046		
194	4.0		2.9	4.3
164	10.4		8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BF117626.D

Acq: 30 Oct 2019 15:59

Instrument :

BNA_F

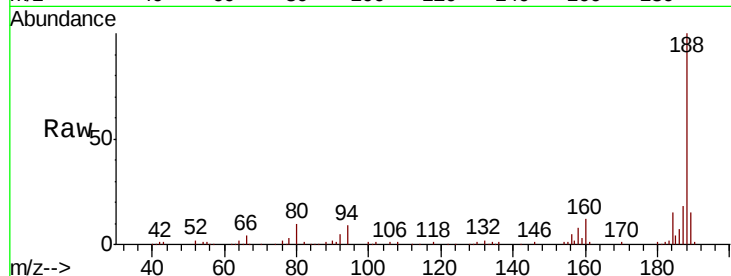
ClientSampleId :

201-22-(0-1)

Tot Ion:	188	Resp:	103244
Ion Ratio	Lower	Upper	
188	100		
94	8.8	8.0	12.0
80	10.5	9.5	14.3

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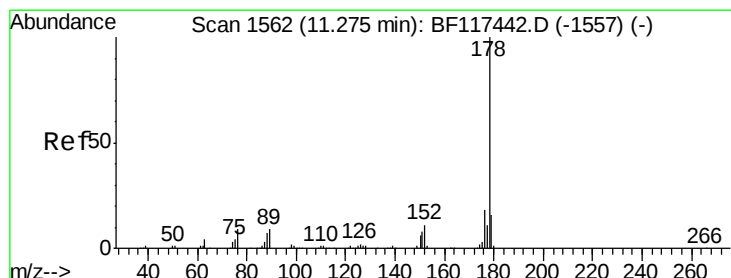
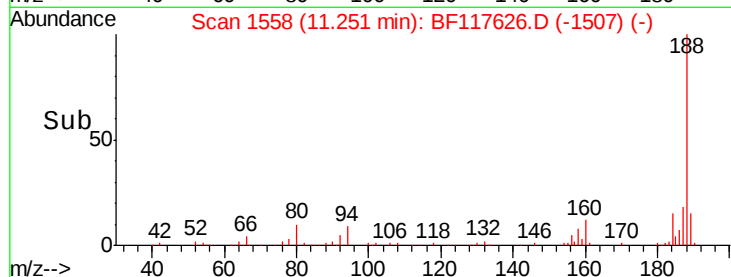
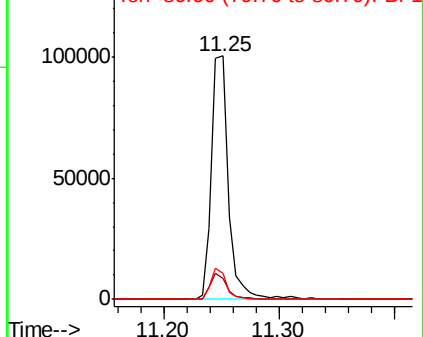
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 17.417 ng

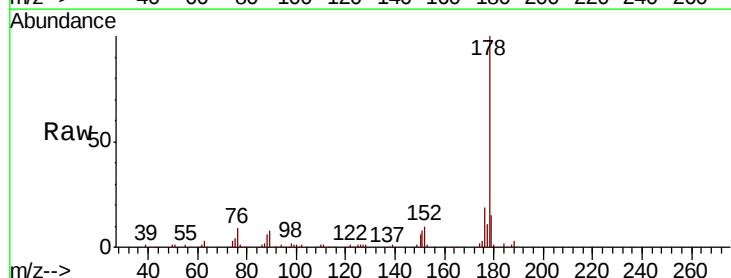
RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF117626.D

Acq: 30 Oct 2019 15:59

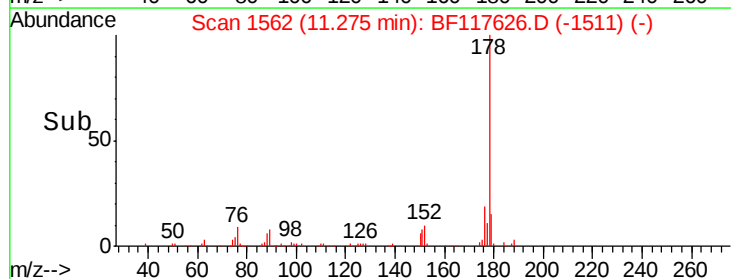
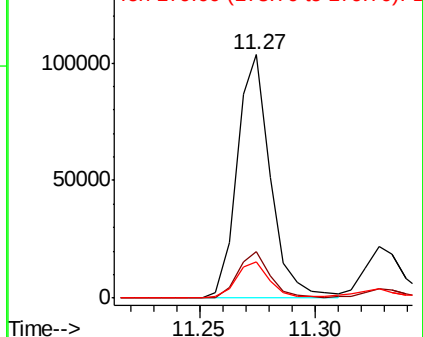
Tgt Ion:	178	Resp:	104412
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.6	22.0
179	15.1	12.6	19.0

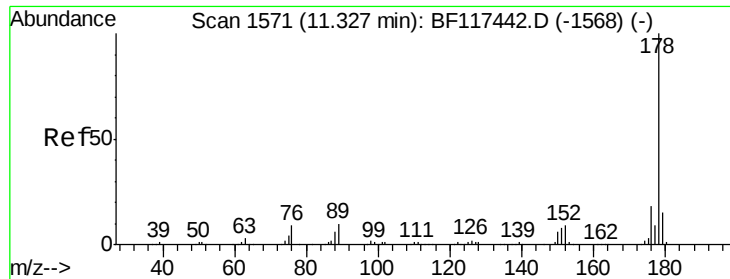


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 4.321 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF117626.D

Acq: 30 Oct 2019 15:59

Instrument :

BNA_F

ClientSampleId :

201-22-(0-1)

Tot Ion:178 Resp: 26578

Ion Ratio Lower Upper

178 100

176 19.2 14.7 22.1

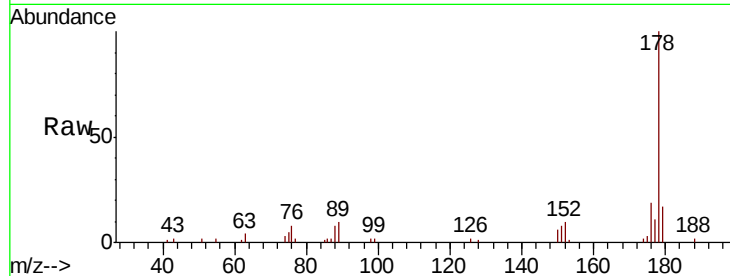
179 17.0 12.2 18.2

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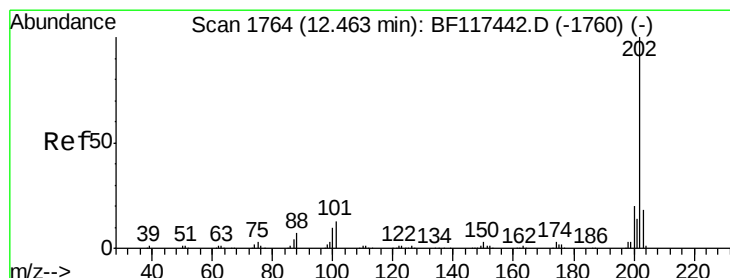
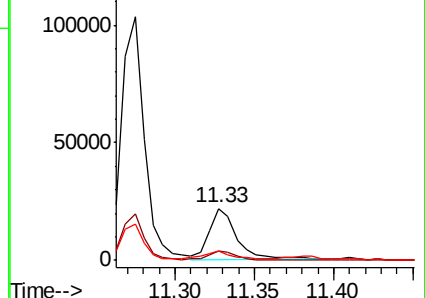
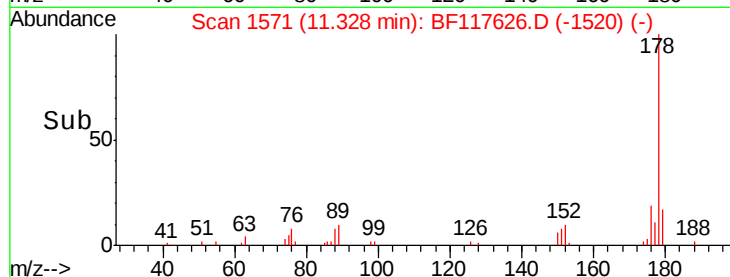
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 27.746 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117626.D

Acq: 30 Oct 2019 15:59

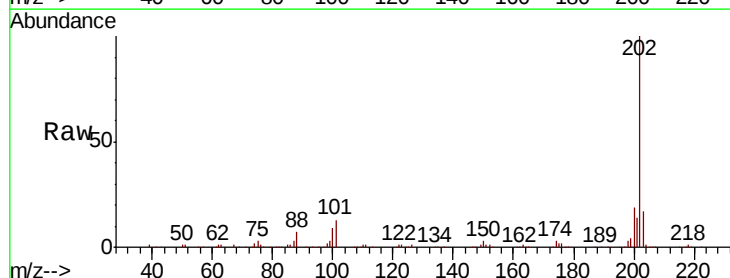
Tgt Ion:202 Resp: 166518

Ion Ratio Lower Upper

202 100

101 12.9 0.0 32.7

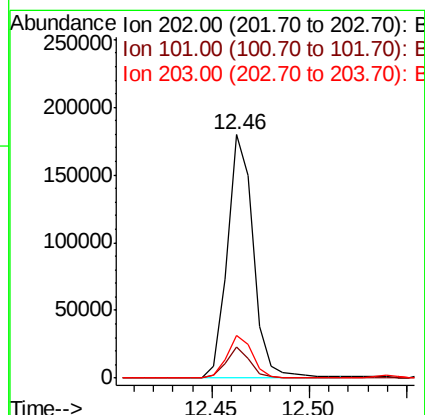
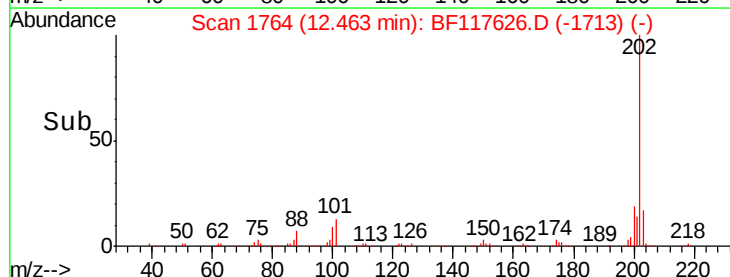
203 17.3 0.0 37.6

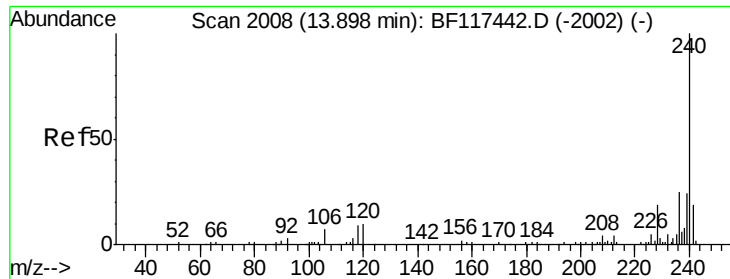


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





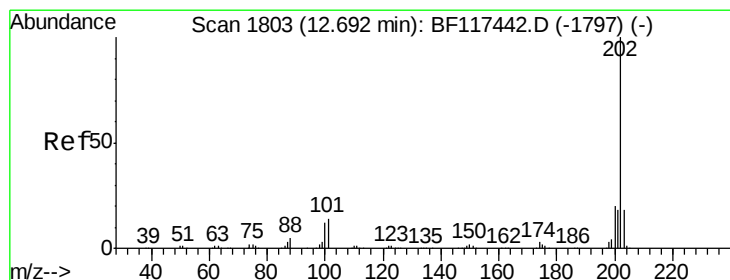
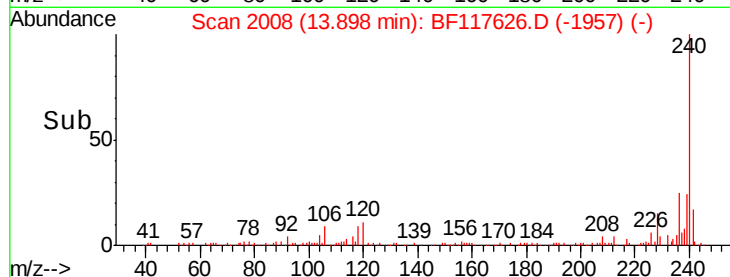
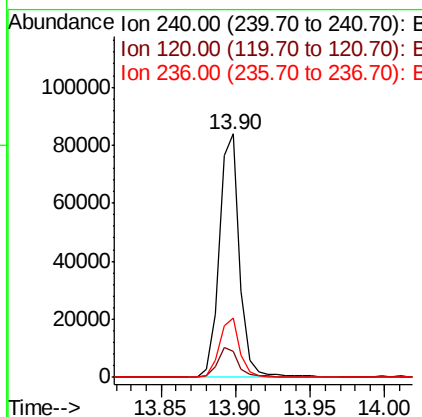
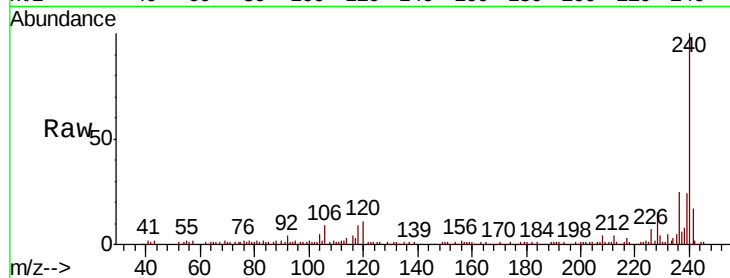
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF117626.D
Acq: 30 Oct 2019 15:59

Instrument :
BNA_F
ClientSampleId :
201-22-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	80138		
120	10.6		8.4	12.6
236	24.6		20.0	30.0

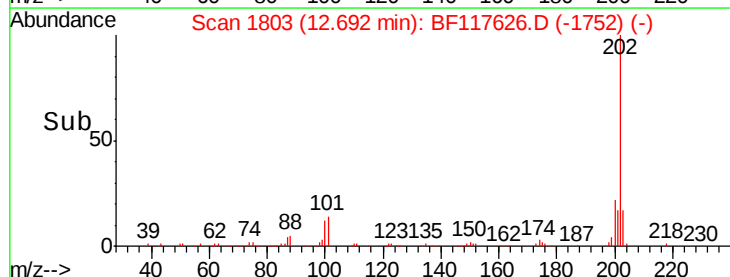
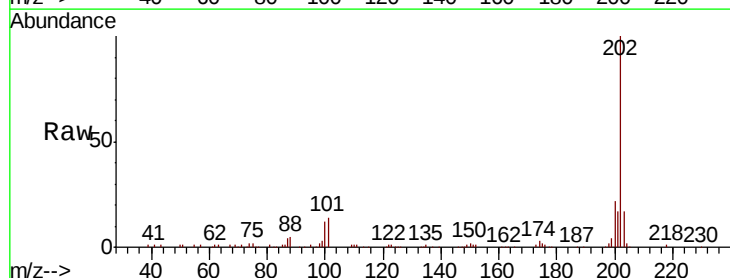
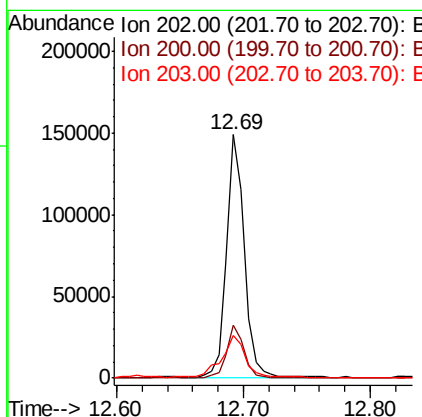
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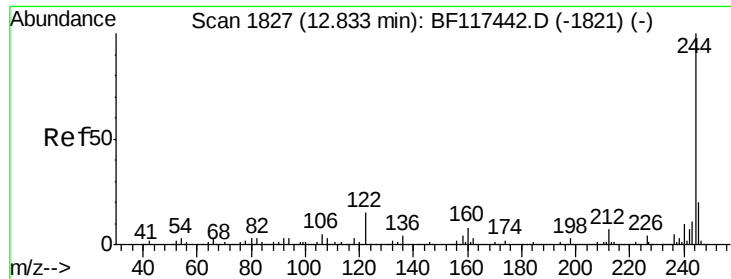
mohammad
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#78
Pyrene
Concen: 20.917 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF117626.D
Acq: 30 Oct 2019 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	143982		
200	21.5		16.2	24.2
203	17.5		14.0	21.0





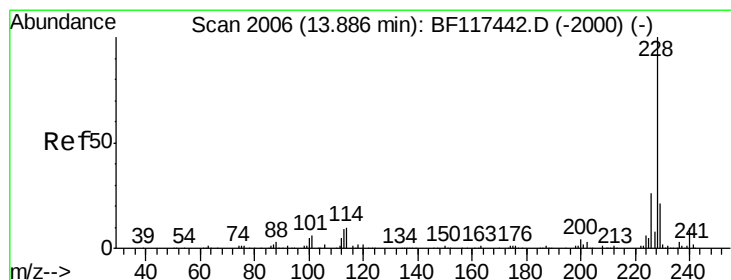
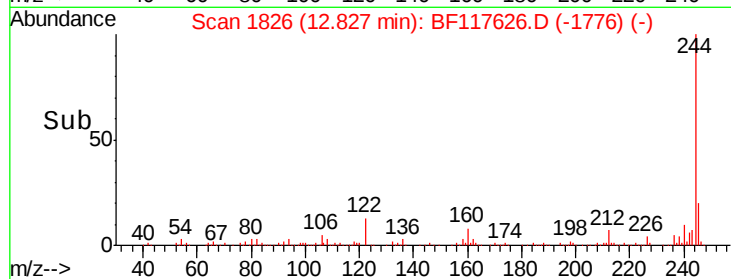
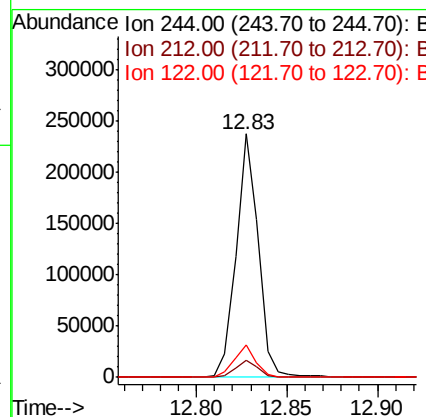
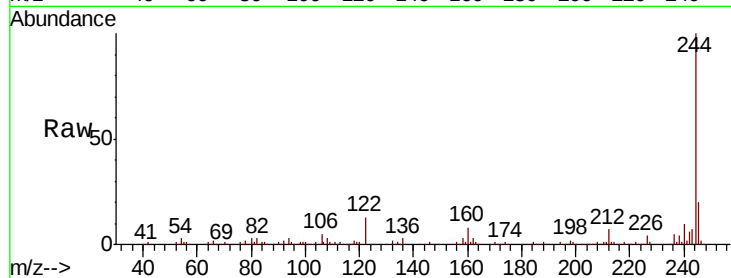
#79
 Terphenyl-d14
 Concen: 41.148 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117626.D
 Acq: 30 Oct 2019 15:59

Instrument :
 BNA_F
 ClientSampleId :
 201-22-(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	13.5	11.8	17.8

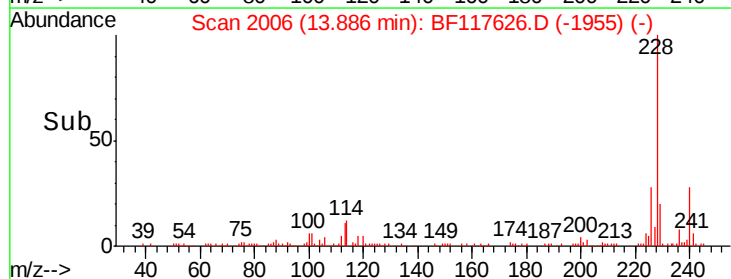
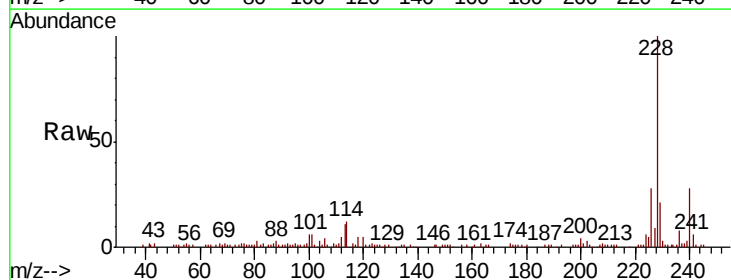
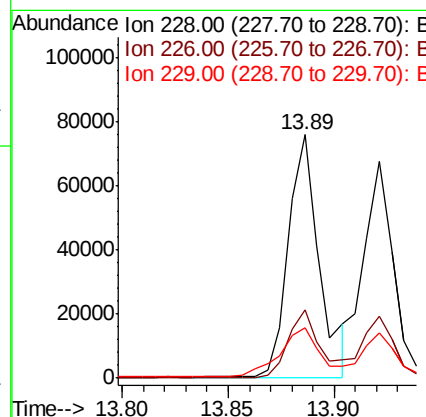
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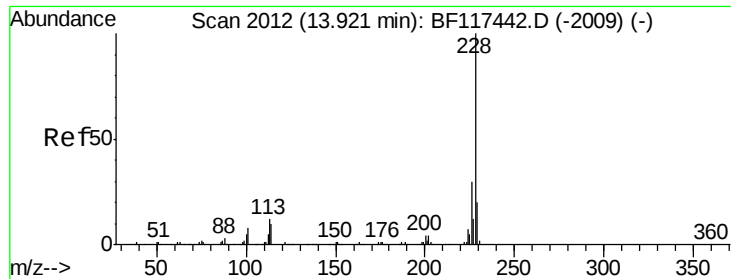
mohammad
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#81
 Benzo(a)anthracene
 Concen: 14.561 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: BF117626.D
 Acq: 30 Oct 2019 15:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.0	31.4
229	20.9	16.4	24.6





#83

Chrysene

Concen: 12.491 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.00 min

Lab File: BF117626.D

Acq: 30 Oct 2019 15:59

Instrument :

BNA_F

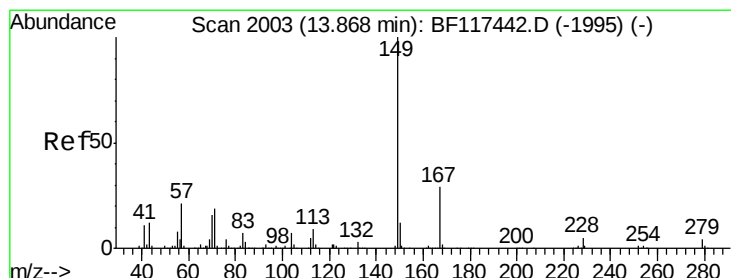
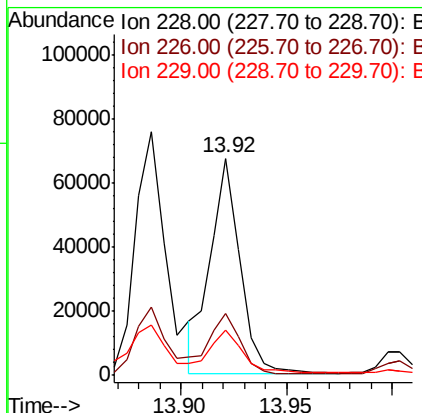
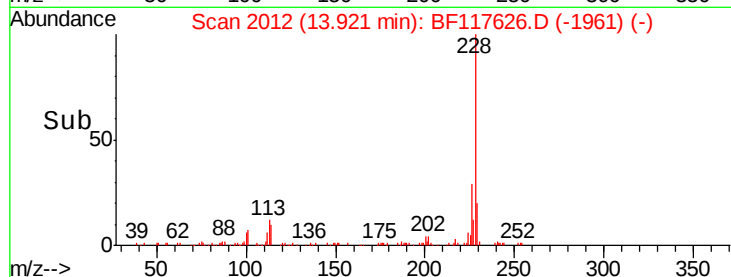
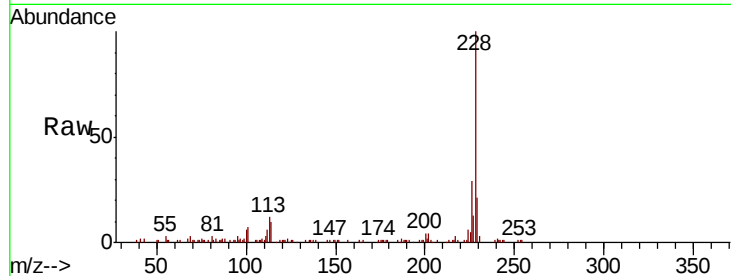
ClientSampleId :

201-22-(0-1)

Tot Ion:	228	Resp:	66174
Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.9	35.9
229	20.7	15.8	23.6

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#84

Bis(2-ethylhexyl)phthalate

Concen: 2.228 ng

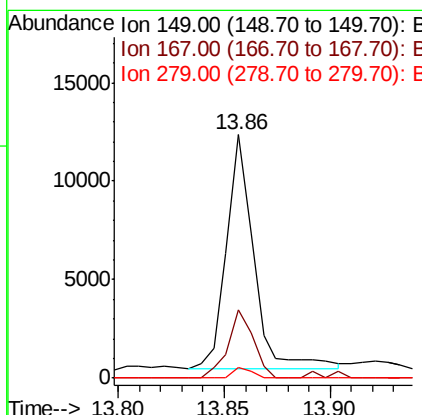
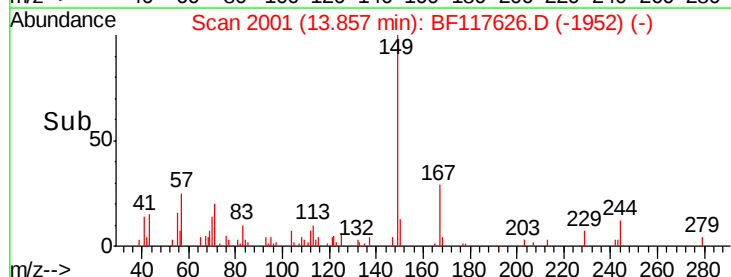
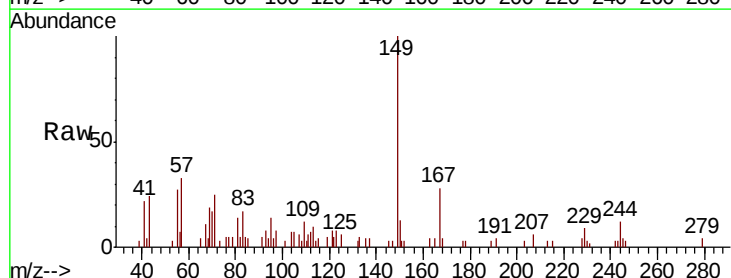
RT: 13.86 min Scan# 2001

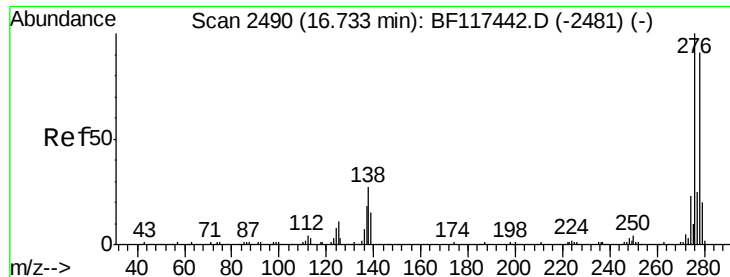
Delta R.T. -0.01 min

Lab File: BF117626.D

Acq: 30 Oct 2019 15:59

Tgt Ion:	149	Resp:	10691
Ion	Ratio	Lower	Upper
149	100		
167	28.0	23.3	34.9
279	4.2	3.2	4.8





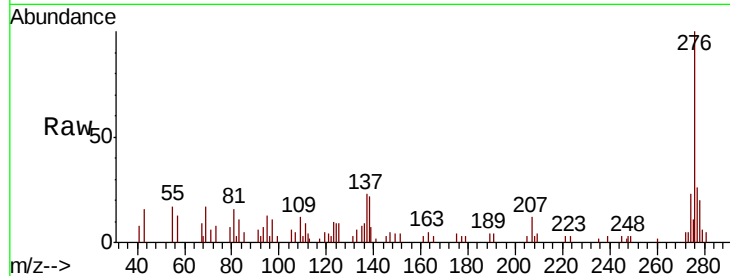
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.870 ng
RT: 16.76 min Scan# 2495
Delta R.T. 0.03 min
Lab File: BF117626.D
Acq: 30 Oct 2019 15:59

Instrument :
BNA_F
ClientSampleId :
201-22-(0-1)

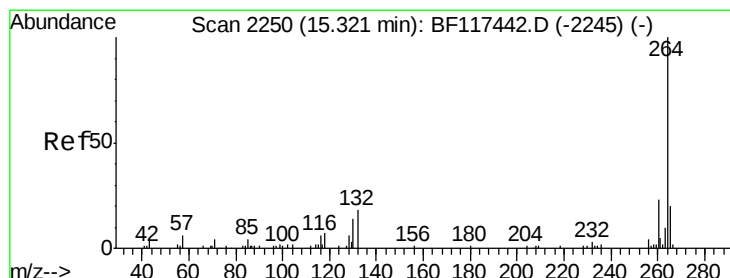
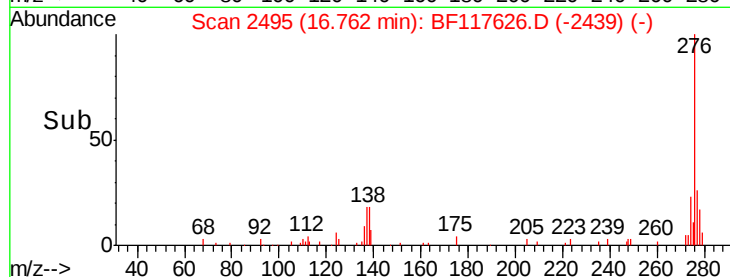
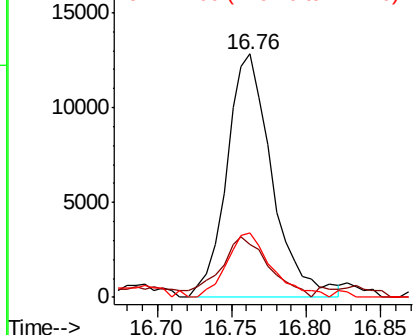
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.8	32.8
277	26.3	20.0	30.0

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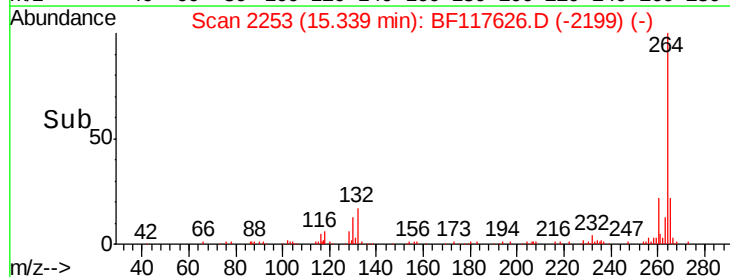
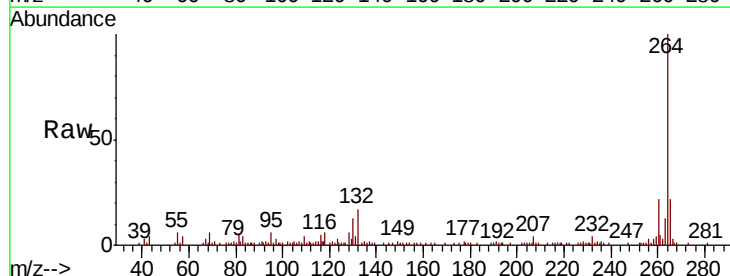
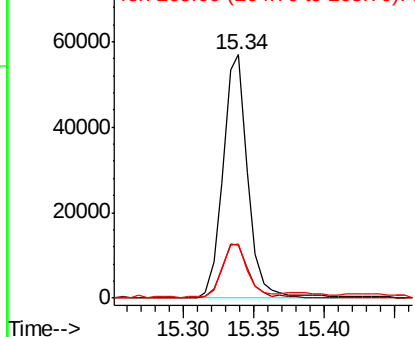
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

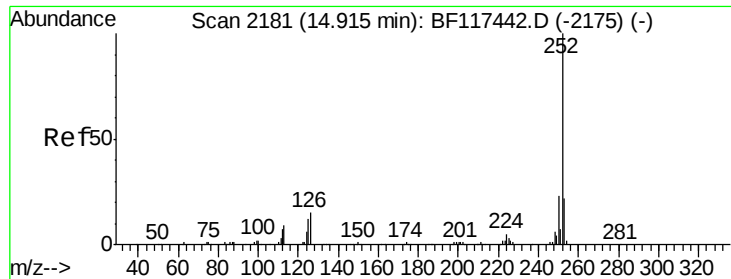


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF117626.D
Acq: 30 Oct 2019 15:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.4	27.6
265	22.2	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





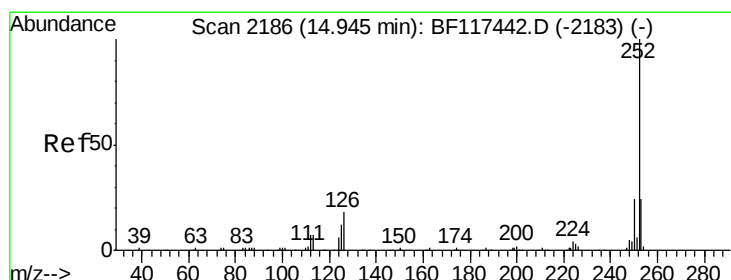
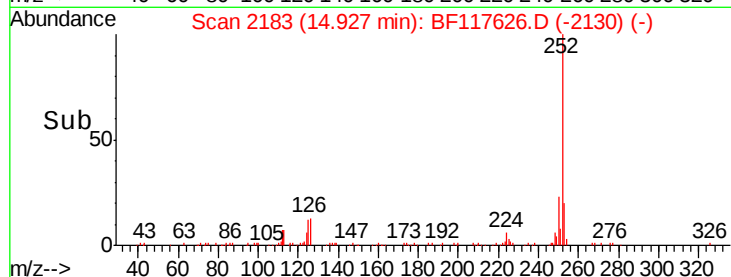
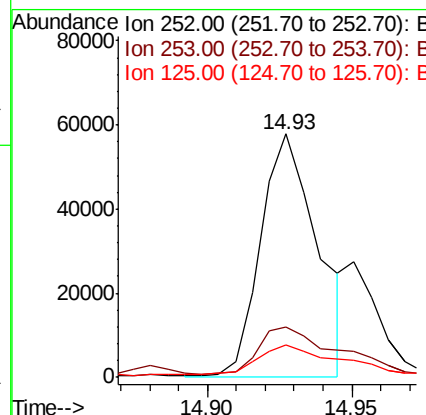
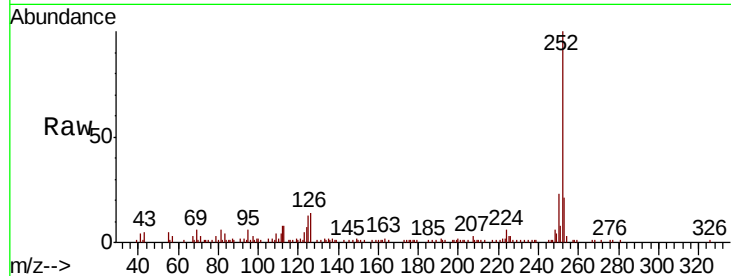
#88
Benzo(b)fluoranthene
Concen: 19.427 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117626.D
Acq: 30 Oct 2019 15:59

Instrument :
BNA_F
ClientSampleId :
201-22-(0-1)

Tot Ion:	252	Resp:	79885
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.8	26.6
125	13.3	9.9	14.9

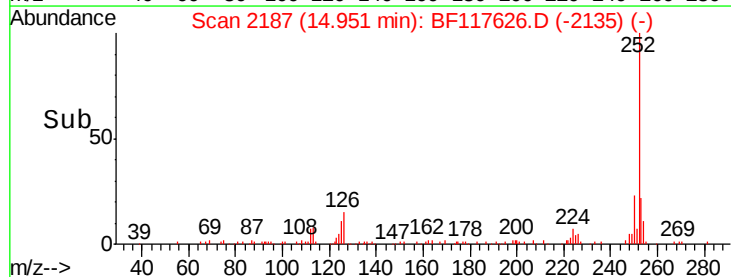
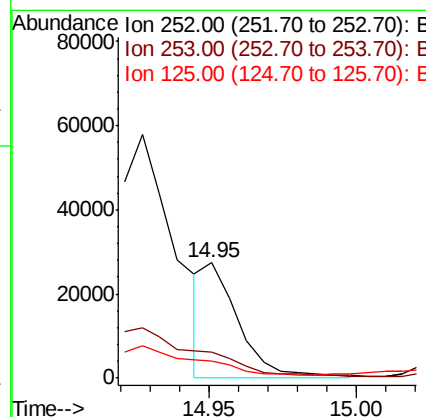
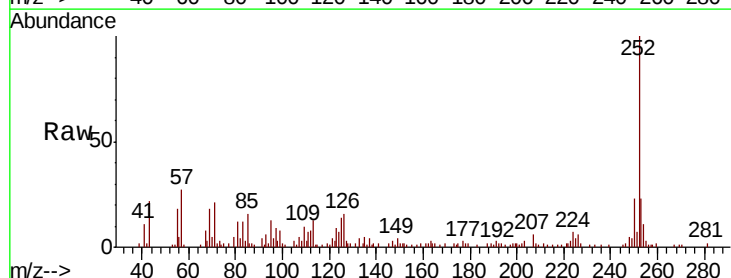
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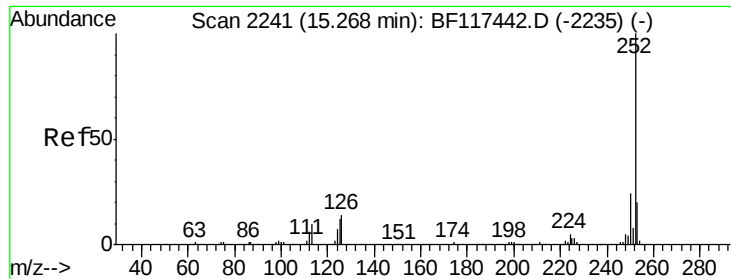
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#89
Benzo(k)fluoranthene
Concen: 5.357 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117626.D
Acq: 30 Oct 2019 15:59

Tgt Ion:	252	Resp:	22579
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.0	27.0
125	14.5	8.9	13.3#





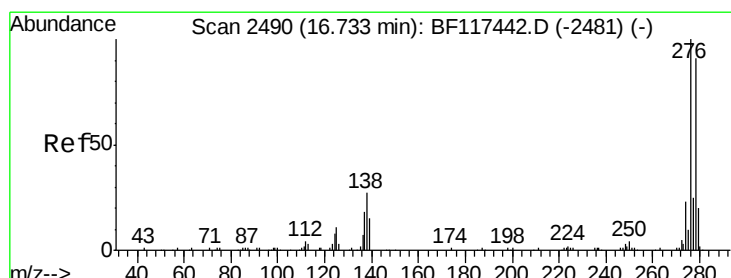
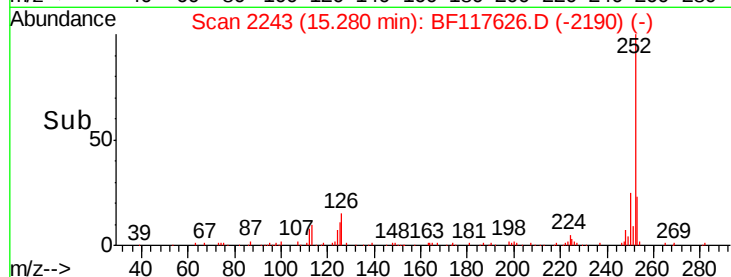
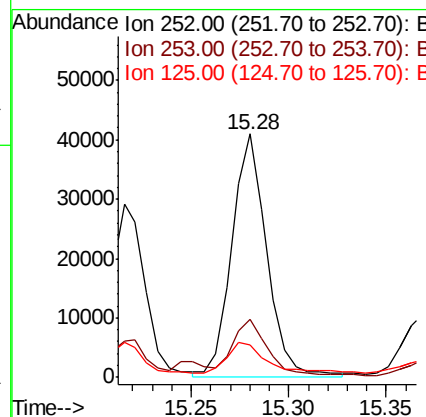
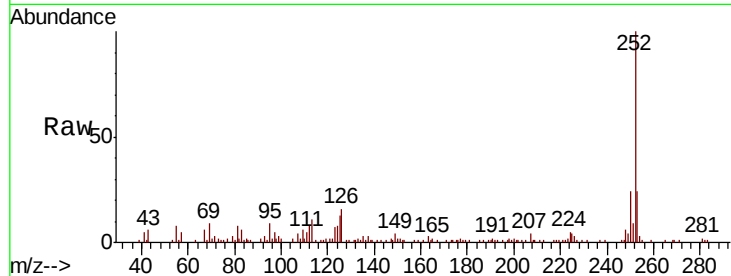
#90
Benzo(a)pyrene
Concen: 13.616 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117626.D
Acq: 30 Oct 2019 15:59

Instrument :
BNA_F
ClientSampleId :
201-22-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	16.3	24.5
125	13.2	9.2	13.8

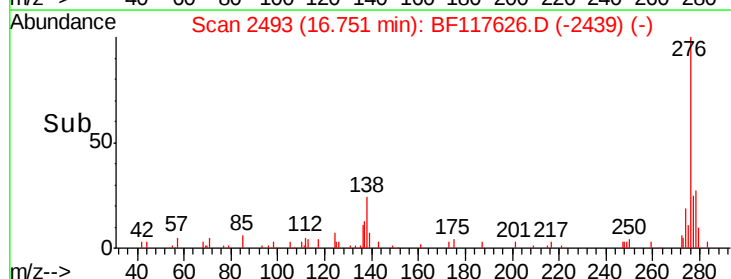
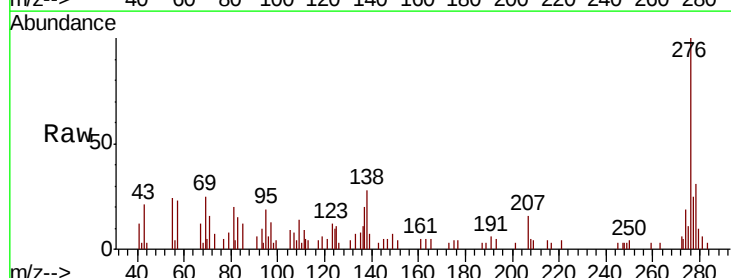
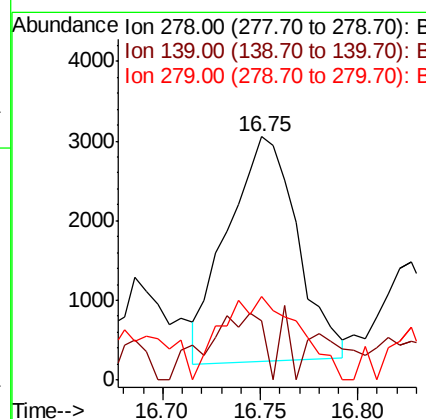
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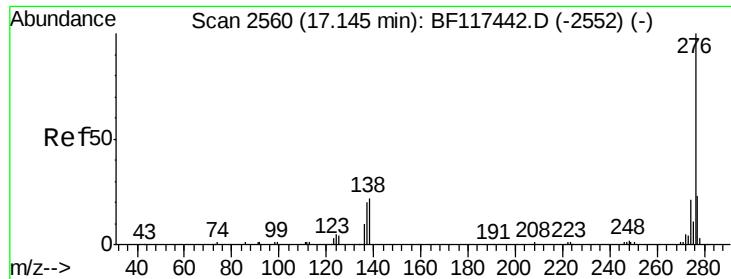
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.169 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117626.D
Acq: 30 Oct 2019 15:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.4	13.4	20.0#
279	34.1	17.8	26.6#





#92
 Benzo(a,h,i)perylene
 Concen: 8.243 ng
 RT: 17.20 min Scan# 2569
 Delta R.T. 0.05 min
 Lab File: BF117626.D
 Acq: 30 Oct 2019 15:59

Instrument :
 BNA_F
 ClientSampleId :
 201-22-(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.4	27.6
138	21.0	17.8	26.6

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