

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
 Data File : BF117573.D
 Acq On : 28 Oct 2019 20:32
 Operator : JU
 Sample : K5502-19DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 176-86-(0-2.5)DL

Manual Integrations
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 10/30/2019 4:51:34 PM

Quant Time: Oct 29 17:56:01 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	6.72	152	40968	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	169216	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	81106	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	113246	20.00	ng	0.00
76) Chrysene-d12	13.89	240	75214	20.00	ng	0.00
87) Perylene-d12	15.32	264	76603	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	118038	42.86	ng	0.00
7) Phenol-d6	6.38	99	167142	45.19	ng	0.00
23) Nitrobenzene-d5	7.29	82	100499	29.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	26168	37.29	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	155910	27.08	ng	-0.01
79) Terphenyl-d14	12.83	244	98571	21.38	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.48	163	35564	6.151	ng	99
52) Acenaphthene	9.79	154	9439	2.069	ng	97
58) Fluorene	10.31	166	15215	2.784	ng	95
71) Phenanthrene	11.27	178	215345	32.748	ng	100
72) Anthracene	11.32	178	40779	6.044	ng	96
73) Carbazole	11.49	167	17612	2.856	ng	97
75) Fluoranthene	12.46	202	288981	43.899	ng	99
78) Pyrene	12.69	202	247833	38.361	ng	99
81) Benzo(a)anthracene	13.88	228	123060	24.256	ng	99
83) Chrysene	13.92	228	106409	21.400	ng	96
86) Indeno(1,2,3-cd)pyrene	16.73	276	44429	11.968	ng	96
88) Benzo(b)fluoranthene	14.92	252	140387m	31.035	ng	
89) Benzo(k)fluoranthene	14.94	252	40702m	8.779	ng	
90) Benzo(a)pyrene	15.27	252	90336	21.965	ng	99
91) Dibenzo(a,h)anthracene	16.73	278	12094	3.401	ng	# 87
92) Benzo(g,h,i)perylene	17.16	276	40935	12.166	ng	# 92

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

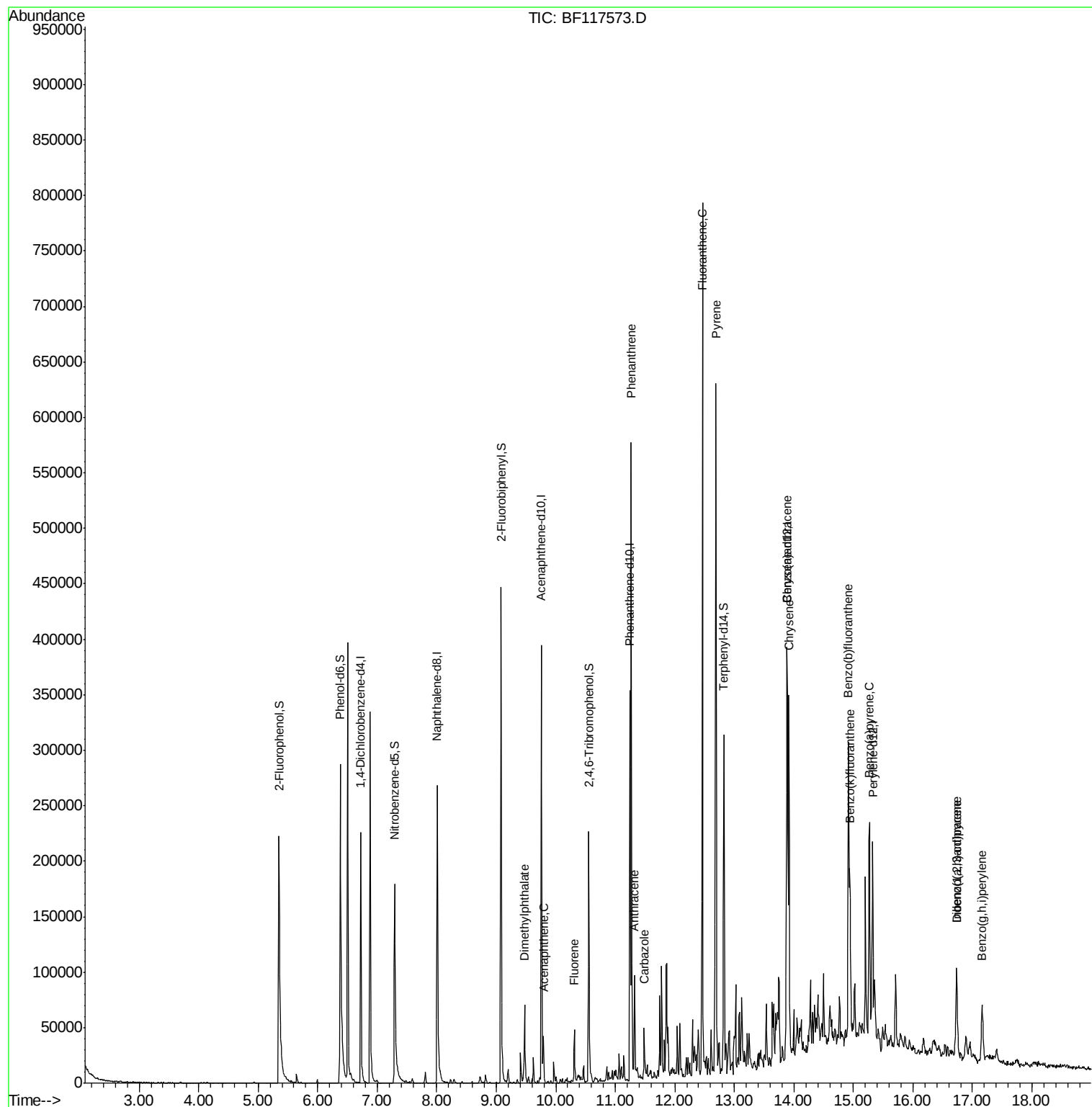
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
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#1

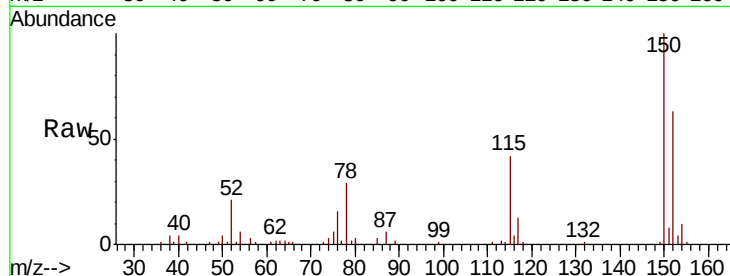
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	126.8	190.2
115	66.9	51.6	77.4

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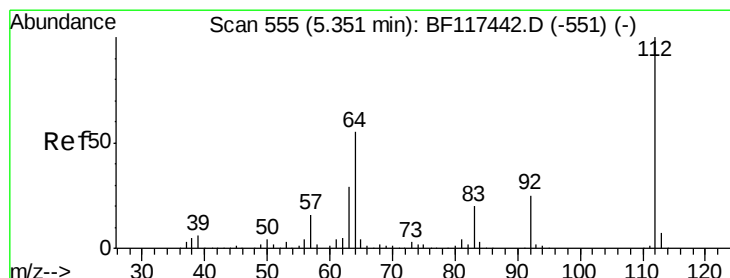
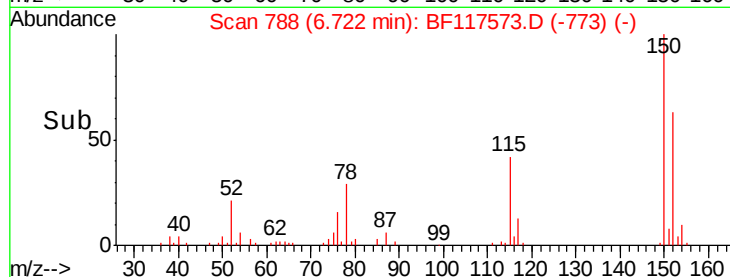
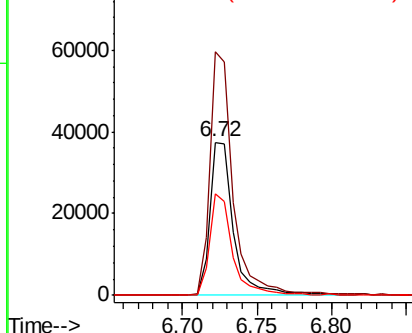


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

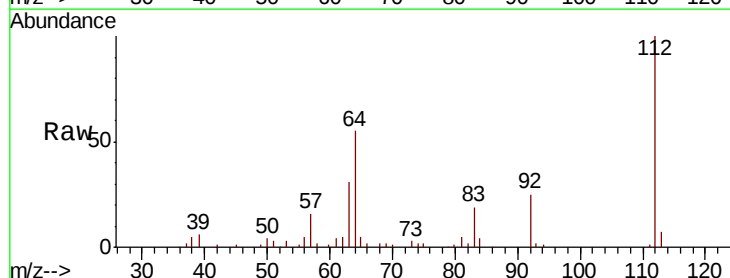
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.864 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	44.1	66.1
63	30.8	23.4	35.2

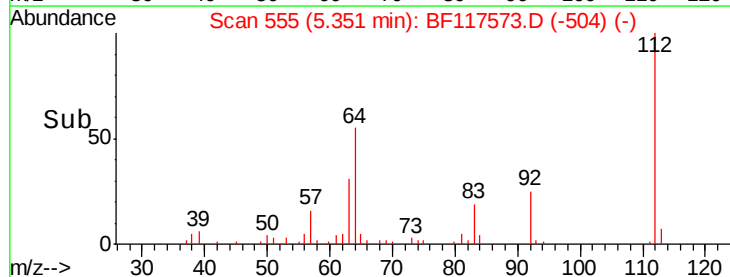
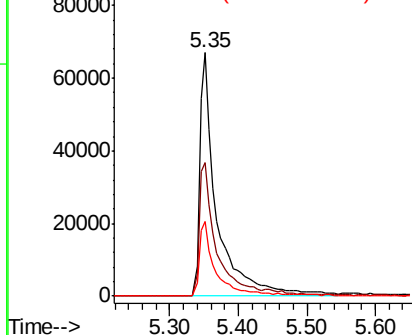


Abundance

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: 45.190 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117573.D

Acq: 28 Oct 2019 20:32

Instrument :

BNA_F

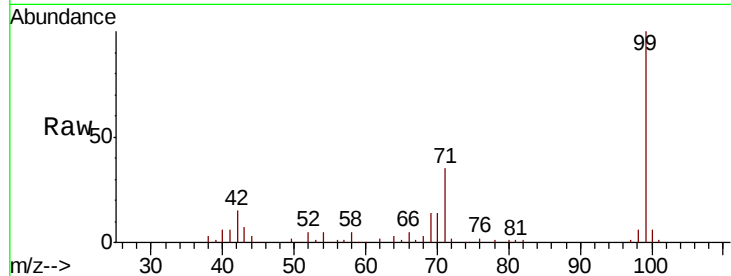
ClientSampleId :

176-86-(0-2.5)DL

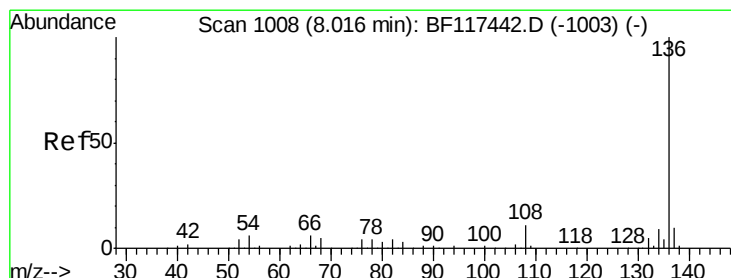
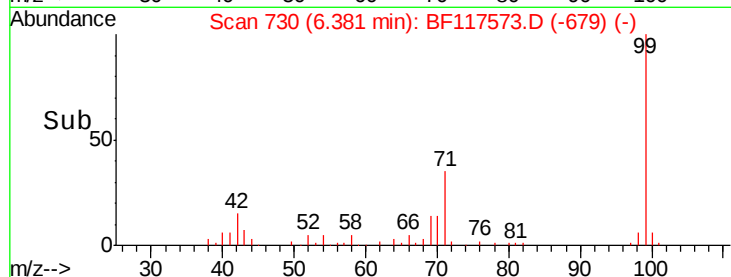
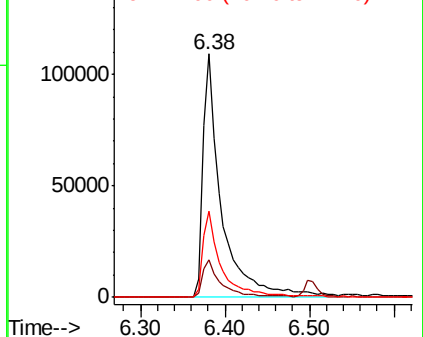
Tot Ion:	99	Resp:	167142
Ion Ratio	Lower	Upper	
99	100		
42	15.4	12.8	19.2
71	35.5	28.6	43.0

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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

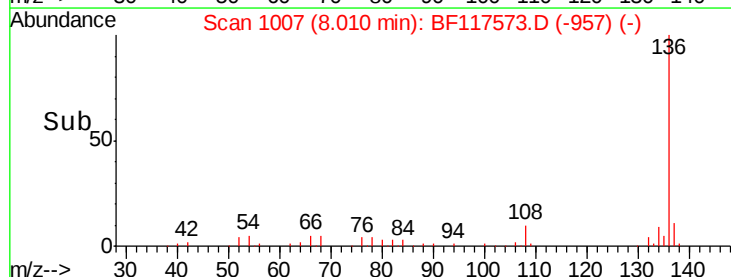
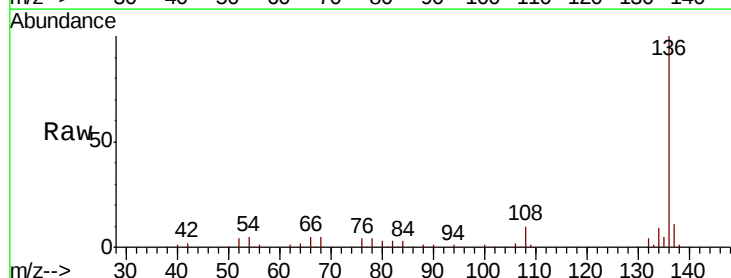
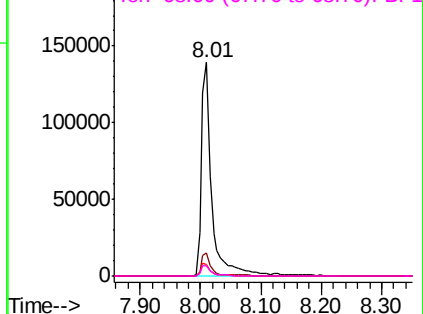
Delta R.T. -0.01 min

Lab File: BF117573.D

Acq: 28 Oct 2019 20:32

Tgt Ion:	136	Resp:	169216
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.2	12.4
54	5.4	4.5	6.7
68	4.7	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





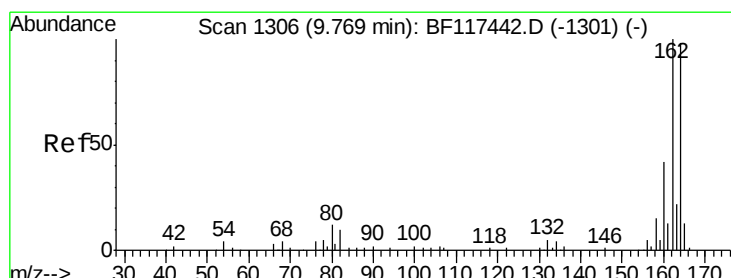
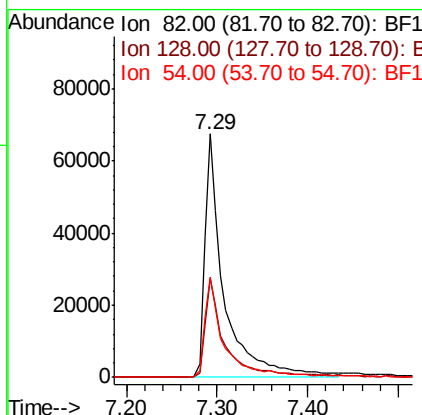
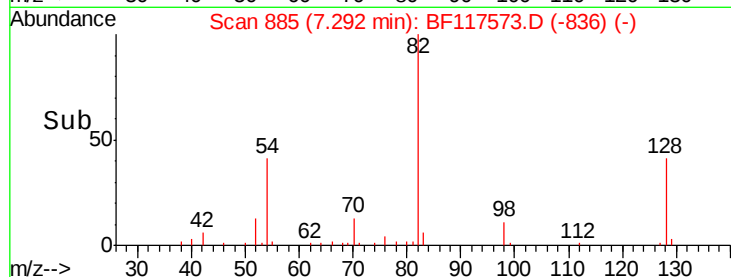
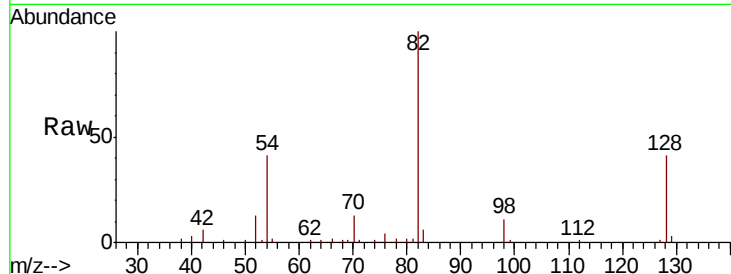
#23
Nitrobenzene-d5
Concen: 29.320 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)DL

Tot Ion	82	Resp	100499
Ion Ratio	100	Lower	Upper
82	100		
128	40.9	32.2	48.2
54	41.3	34.2	51.2

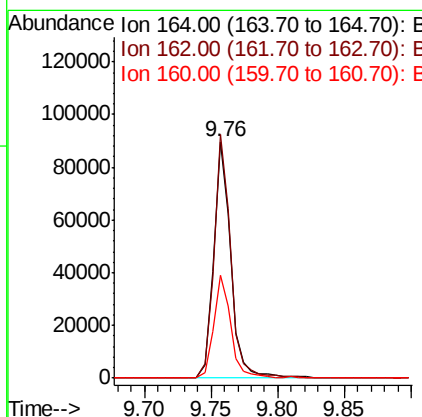
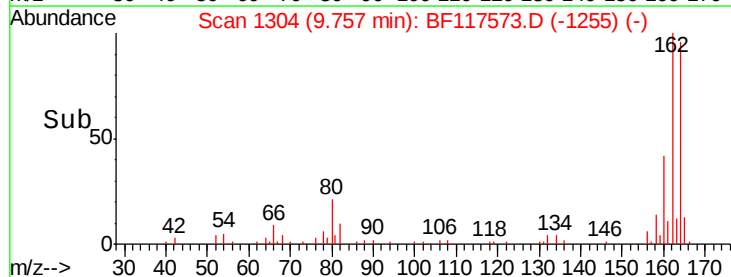
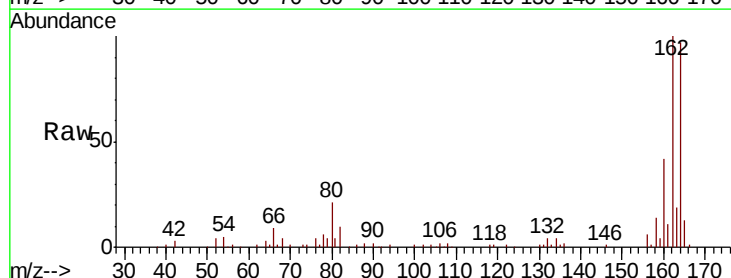
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Tgt Ion	164	Resp	81106
Ion Ratio	100	Lower	Upper
164	100		
162	102.9	81.8	122.6
160	43.3	34.4	51.6





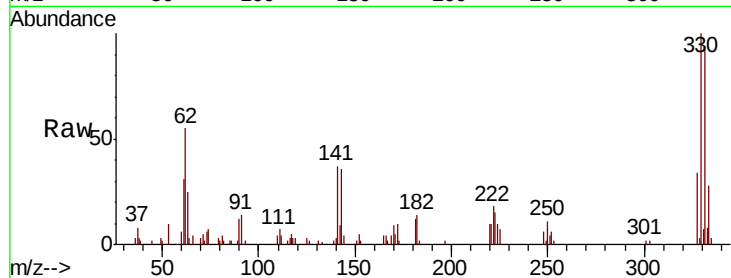
#42
 2,4,6-Tribromophenol
 Concen: 37.288 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117573.D
 Acq: 28 Oct 2019 20:32

Instrument :
 BNA_F
 ClientSampleId :
 176-86-(0-2.5)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.5	117.7
141	46.4	37.0	55.6

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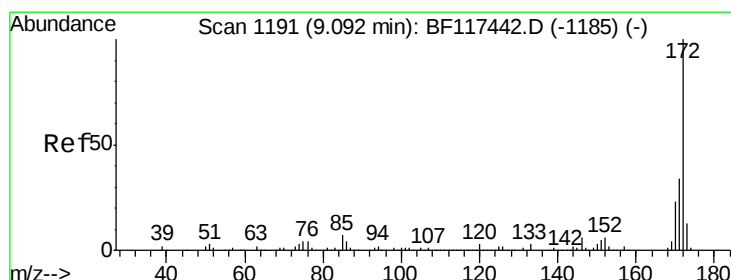
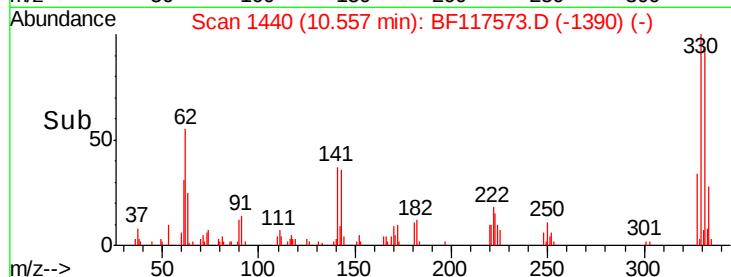
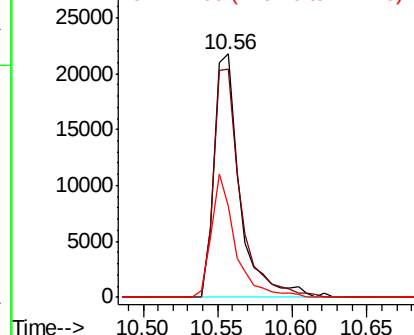


Abundance

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: 27.085 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117573.D
 Acq: 28 Oct 2019 20:32

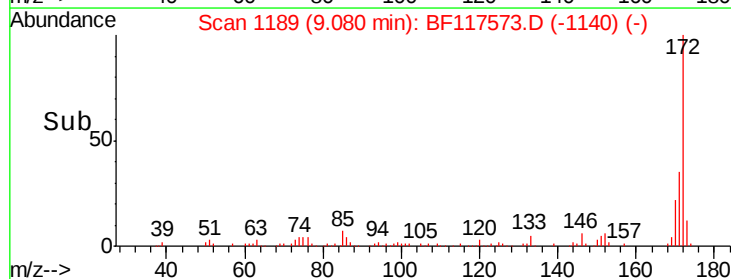
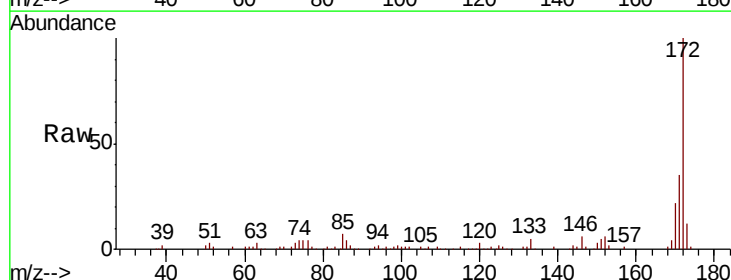
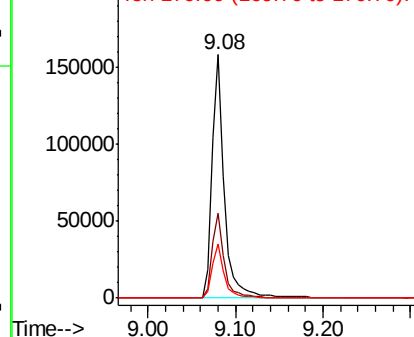
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.5	41.3
170	22.4	18.6	27.8

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





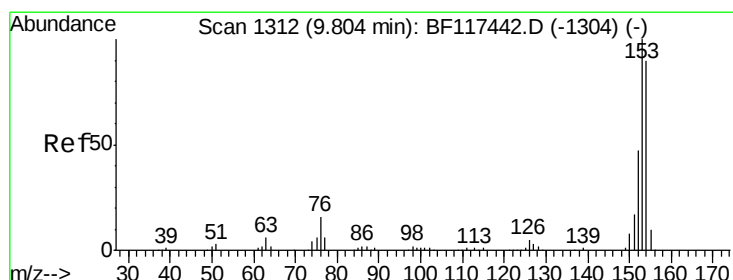
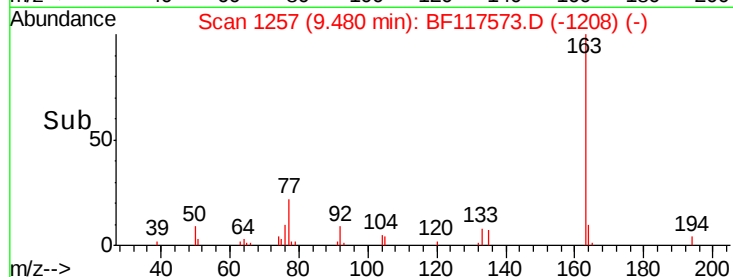
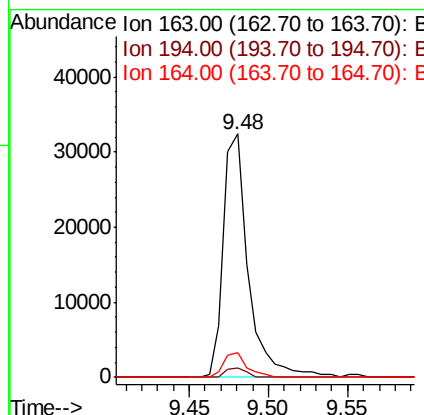
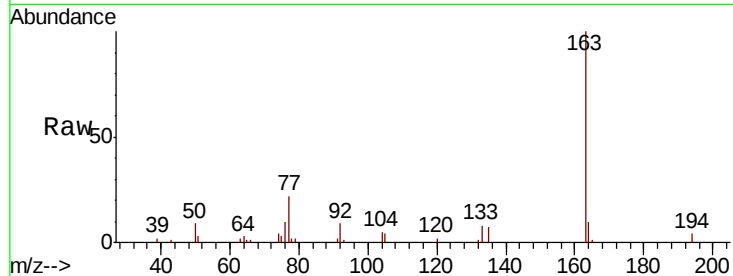
#50
Dimethylphthalate
Concen: 6.151 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.9	4.3
164	9.9	8.2	12.2

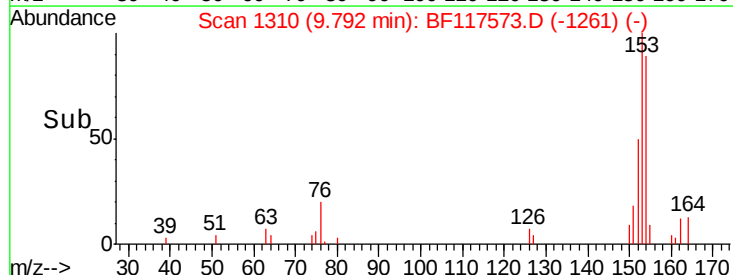
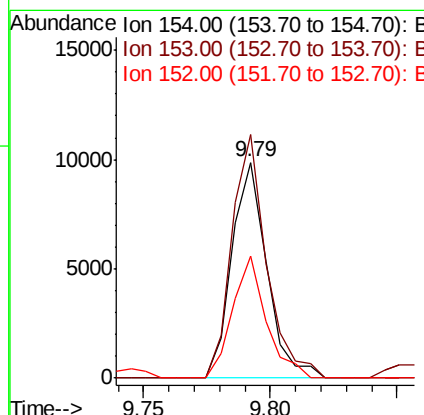
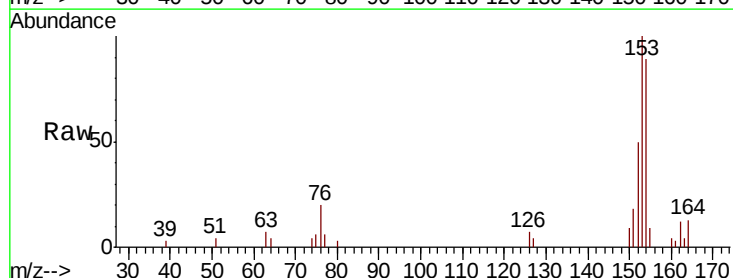
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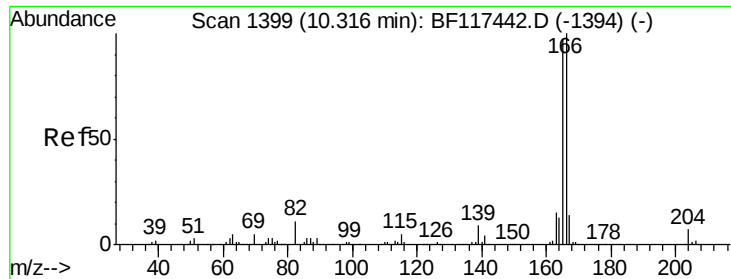
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#52
Acenaphthene
Concen: 2.069 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.2	133.8
152	56.9	41.8	62.6





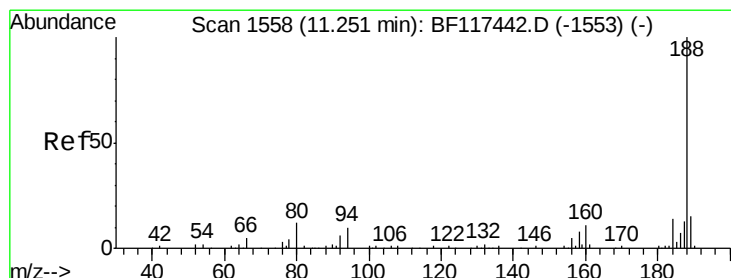
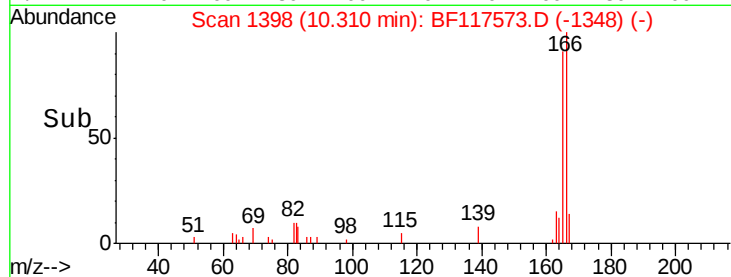
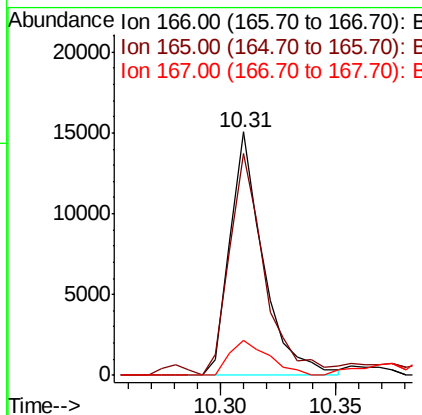
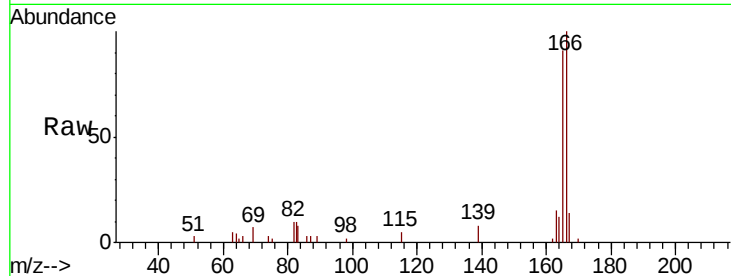
#58
 Fluorene
 Concen: 2.784 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF117573.D
 Acq: 28 Oct 2019 20:32

Instrument :
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 176-86-(0-2.5)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		15215		
165	91.2	77.6	116.4		
167	14.4	11.0	16.4		

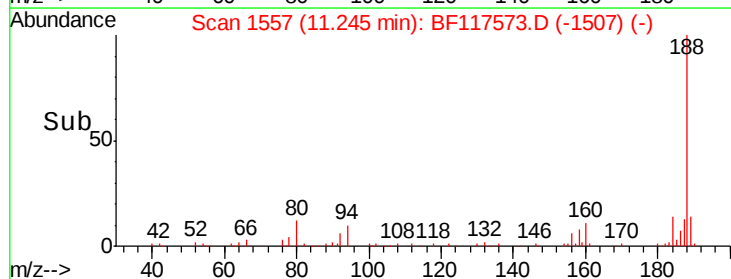
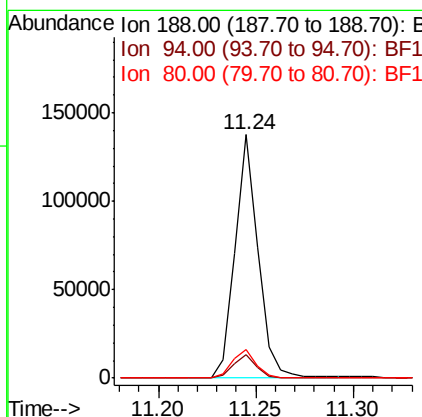
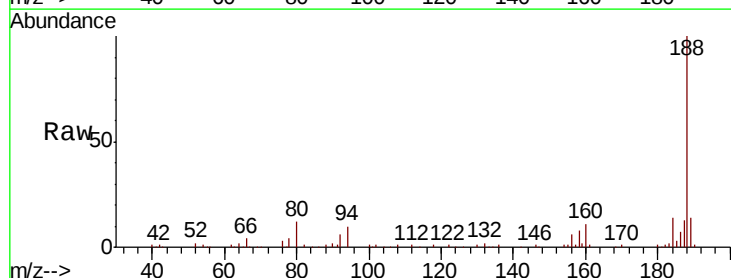
Manual Integrations
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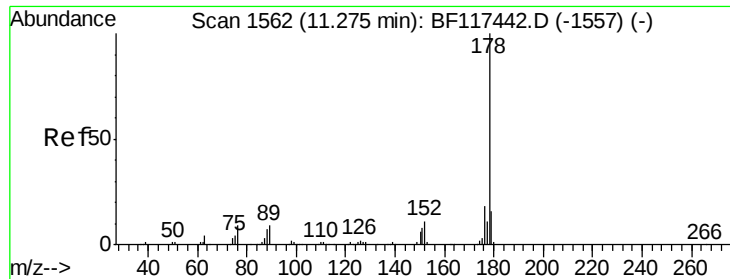
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117573.D
 Acq: 28 Oct 2019 20:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		113246		
94	9.7	8.0	12.0		
80	11.7	9.5	14.3		





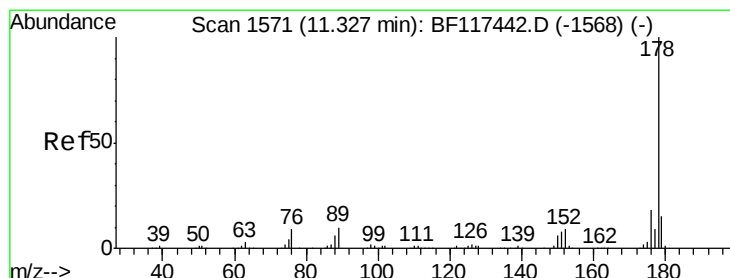
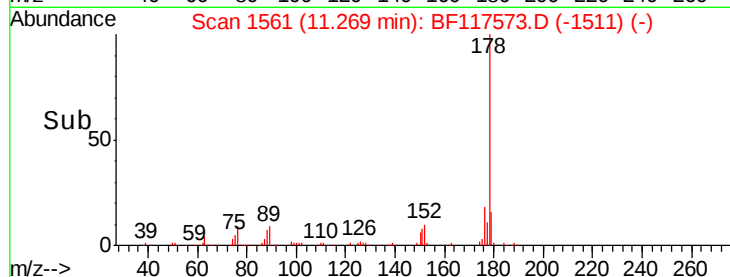
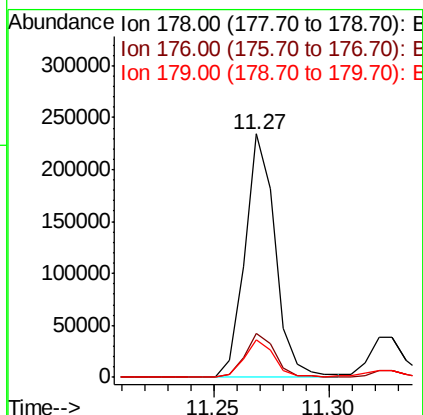
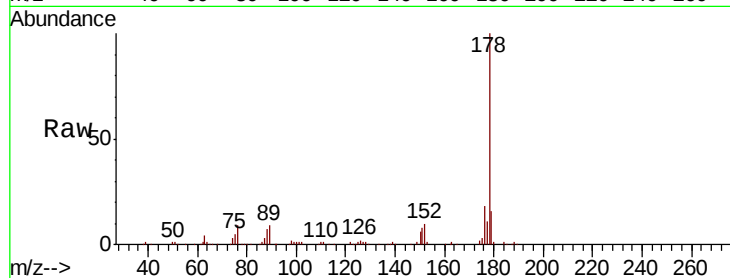
#71
Phenanthrene
Concen: 32.748 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	22.0
179	15.6	12.6	19.0

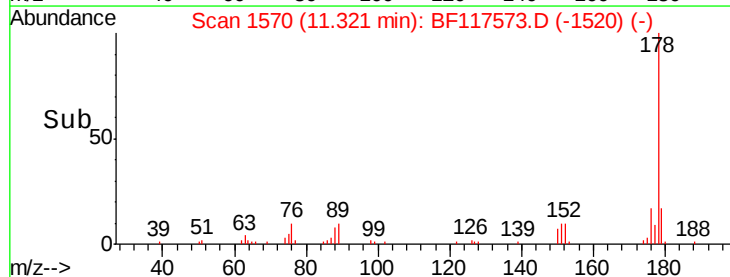
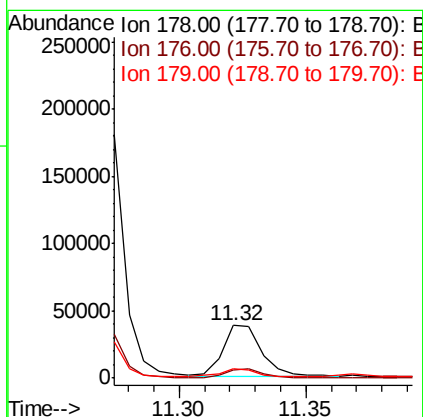
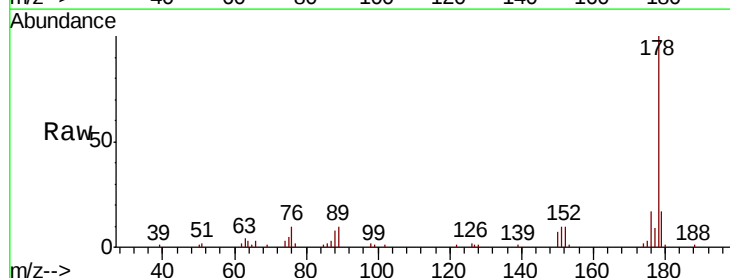
Manual Integrations
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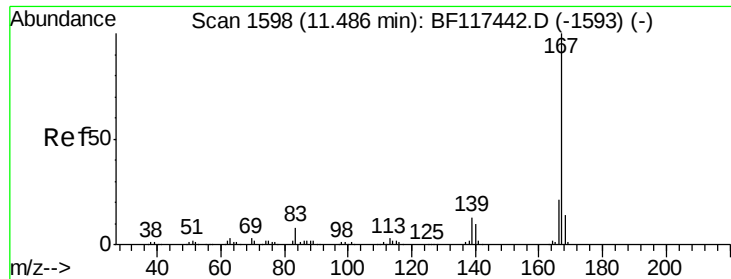
mohammad
10/30/2019 4:51:34 PM



#72
Anthracene
Concen: 6.044 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.6	14.7	22.1
179	17.1	12.2	18.2





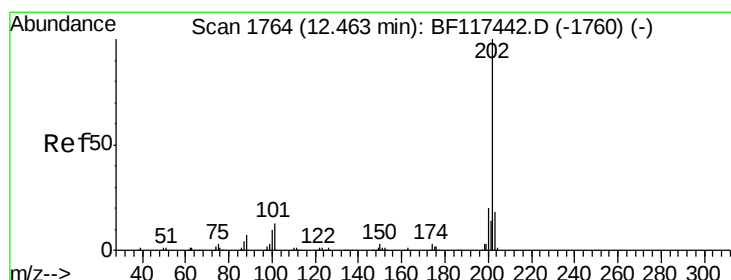
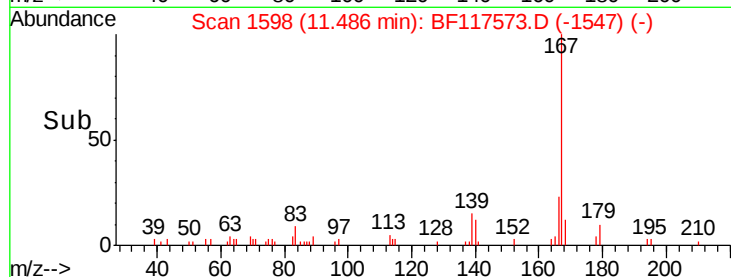
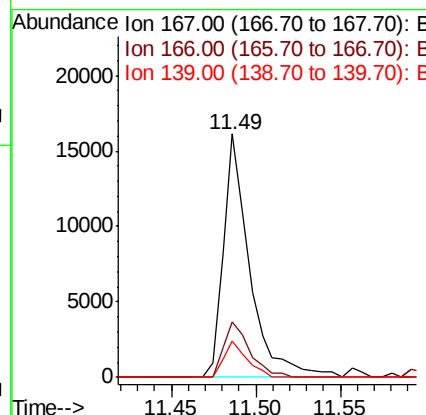
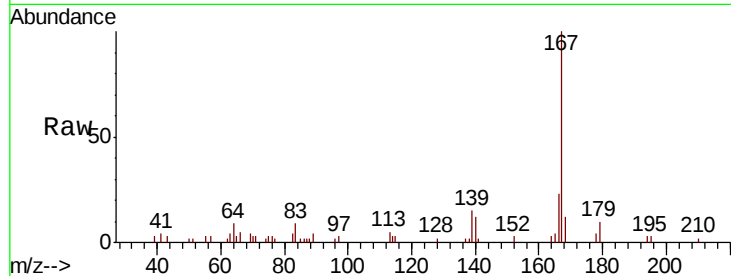
#73
 Carbazole
 Concen: 2.856 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BF117573.D
 Acq: 28 Oct 2019 20:32

Instrument :
 BNA_F
 ClientSampleId :
 176-86-(0-2.5)DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.0	25.6
139	15.0	10.6	16.0

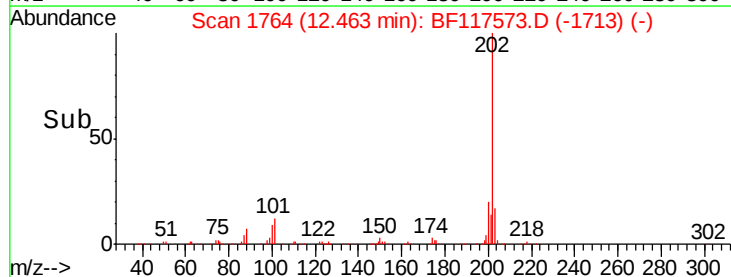
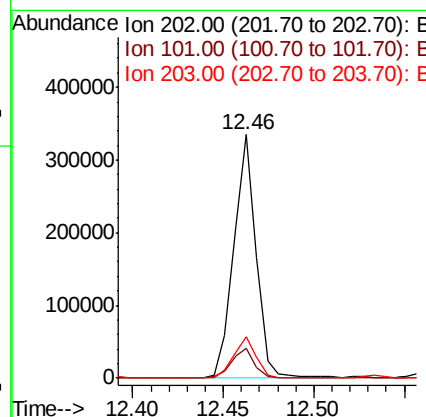
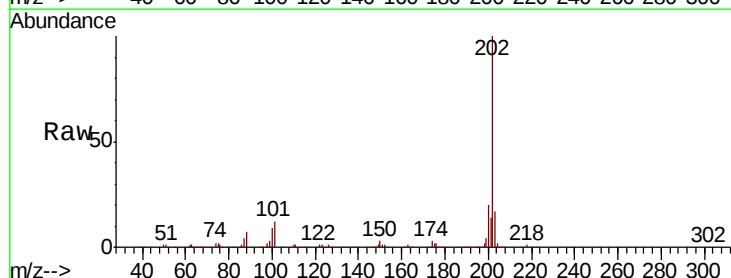
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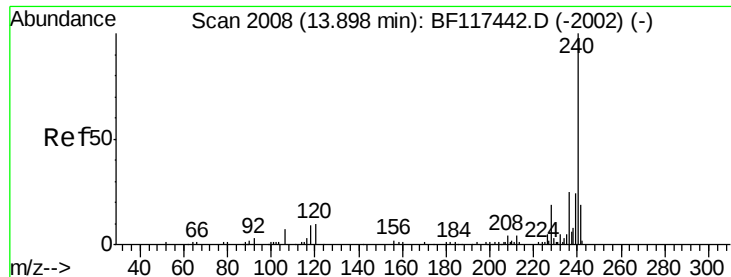
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#75
 Fluoranthene
 Concen: 43.899 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BF117573.D
 Acq: 28 Oct 2019 20:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.7
203	16.9	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: BF117573.D

Acq: 28 Oct 2019 20:32

Instrument :

BNA_F

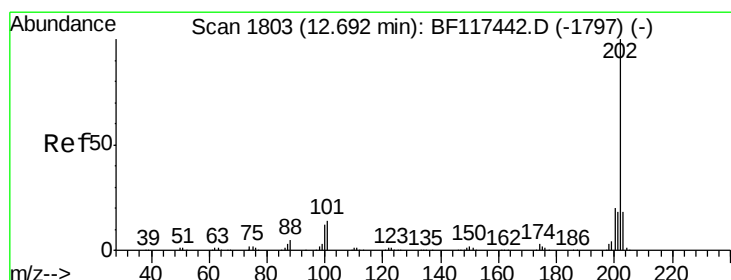
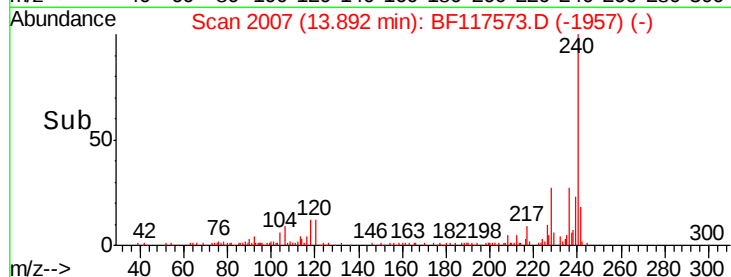
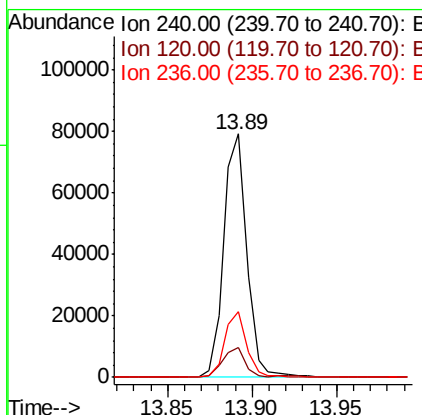
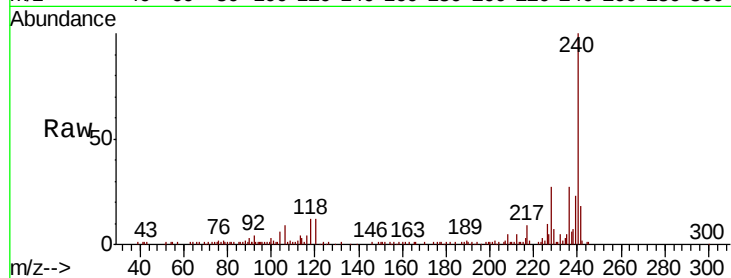
ClientSampleID :

176-86-(0-2.5)DL

Tot Ion:	240	Resp:	75214
Ion Ratio	Lower	Upper	
240	100		
120	12.0	8.4	12.6
236	26.9	20.0	30.0

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#78

Pyrene

Concen: 38.361 ng

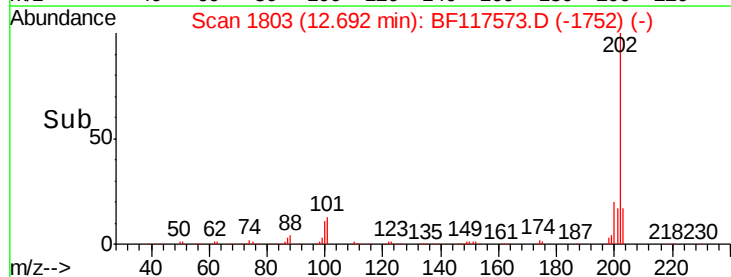
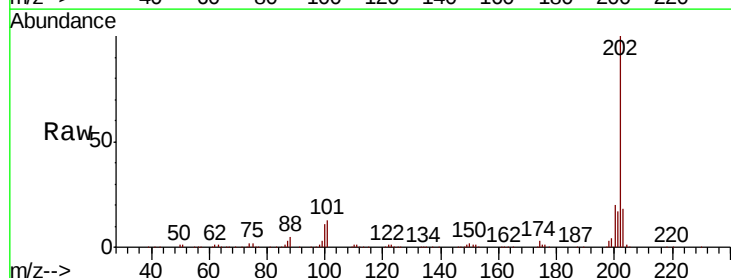
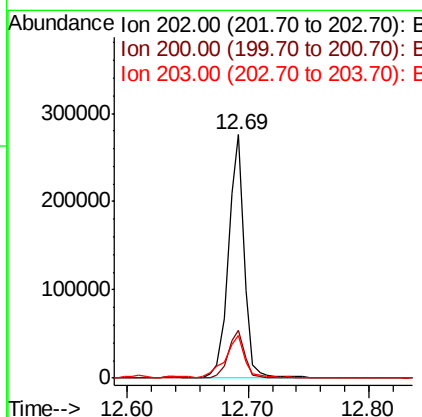
RT: 12.69 min Scan# 1803

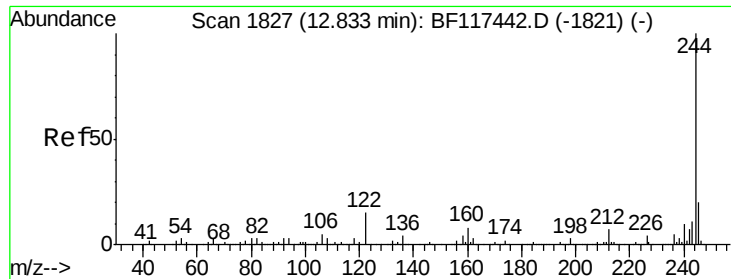
Delta R.T. -0.00 min

Lab File: BF117573.D

Acq: 28 Oct 2019 20:32

Tgt Ion:	202	Resp:	247833
Ion Ratio	Lower	Upper	
202	100		
200	19.6	16.2	24.2
203	17.5	14.0	21.0





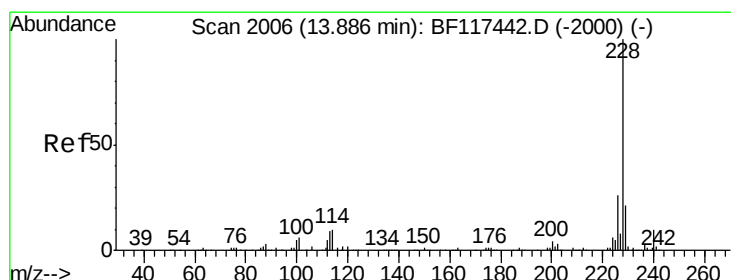
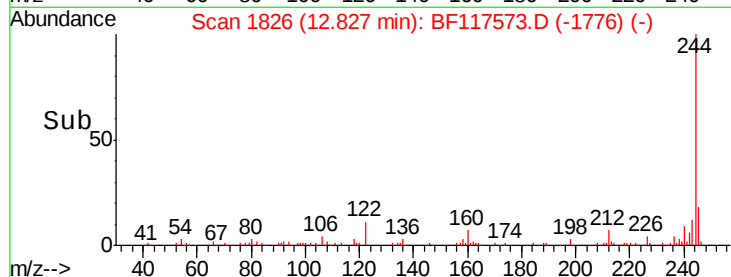
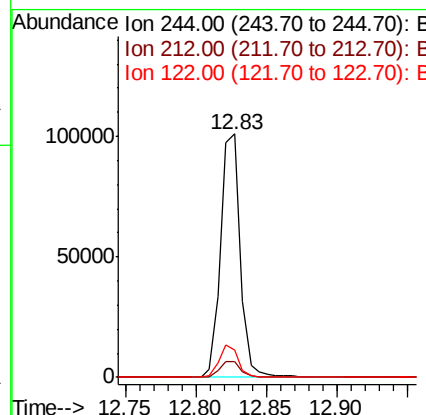
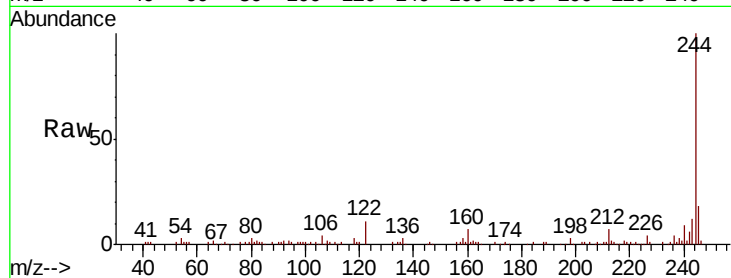
#79
 Terphenyl-d14
 Concen: 21.376 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117573.D
 Acq: 28 Oct 2019 20:32

Instrument :
 BNA_F
 ClientSampleID :
 176-86-(0-2.5)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	11.1	11.8	17.8

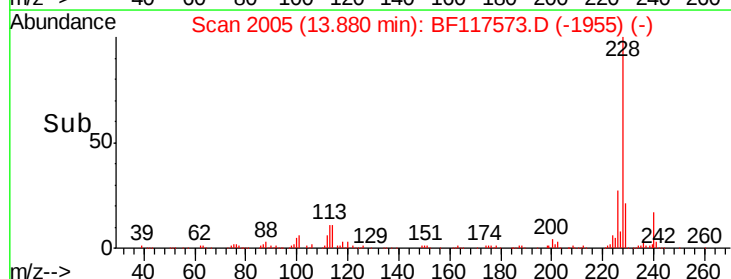
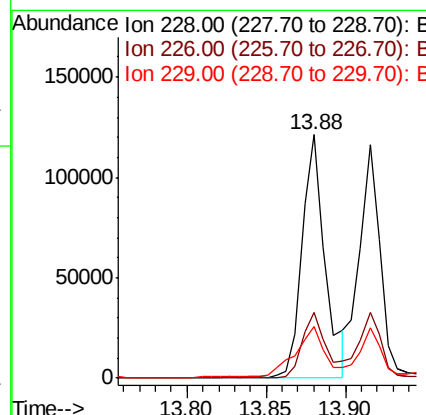
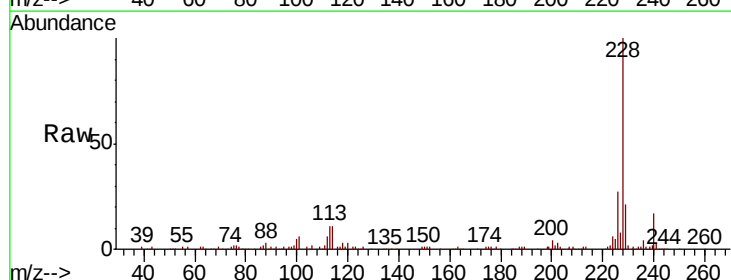
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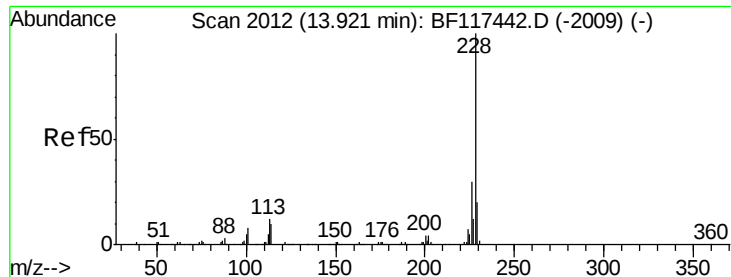
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#81
 Benzo(a)anthracene
 Concen: 24.256 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117573.D
 Acq: 28 Oct 2019 20:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.0	31.4
229	21.1	16.4	24.6





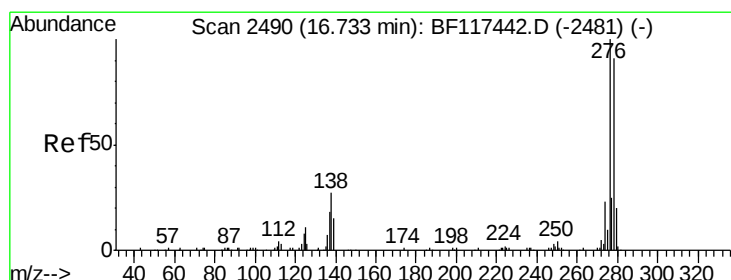
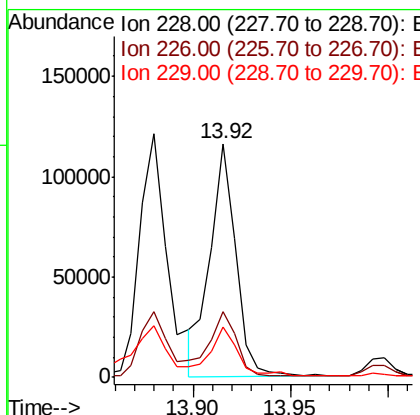
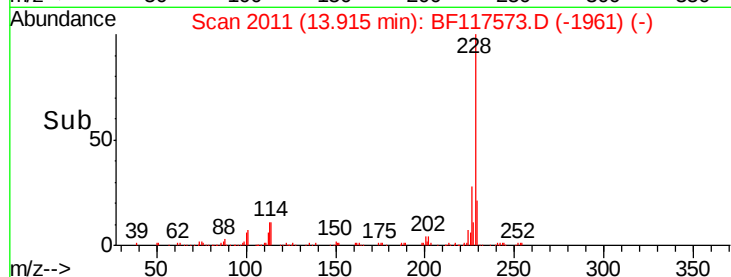
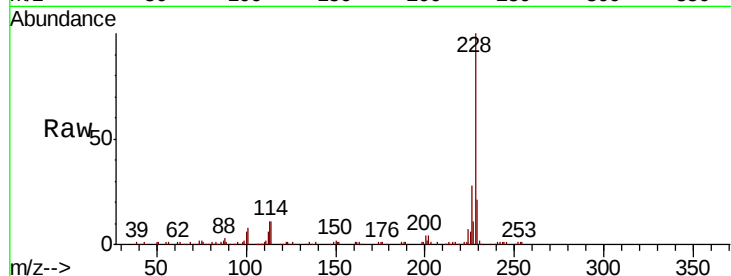
#83
Chrysene
Concen: 21.400 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.9	35.9
229	21.5	15.8	23.6

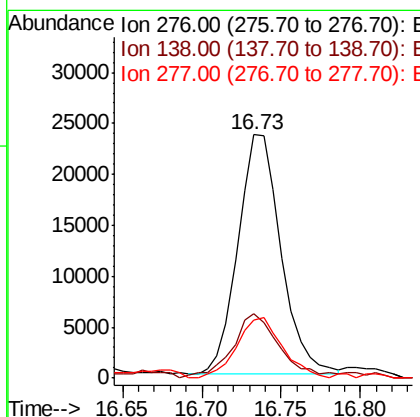
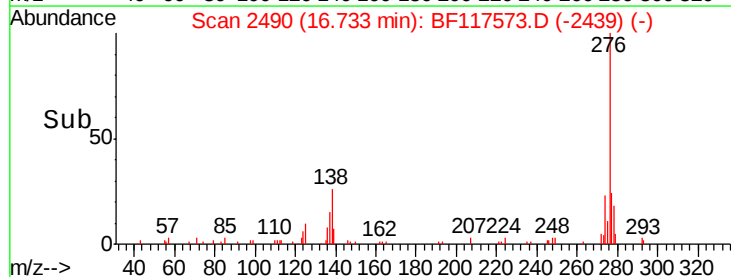
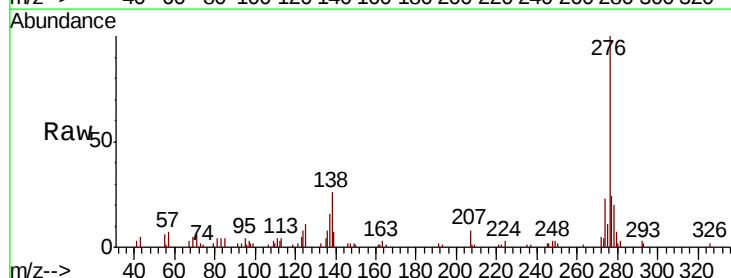
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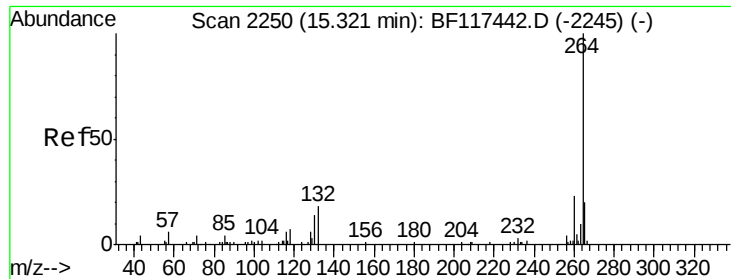
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#86
Indeno(1,2,3-cd)pyrene
Concen: 11.968 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.5	21.8	32.8
277	26.8	20.0	30.0





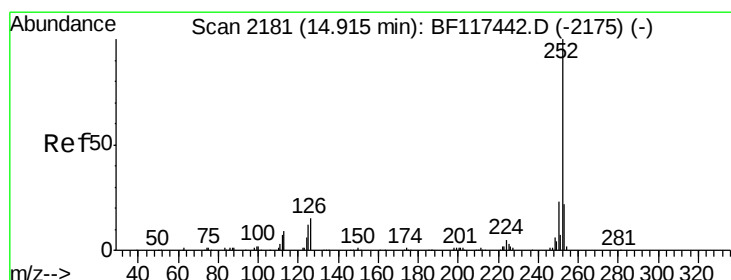
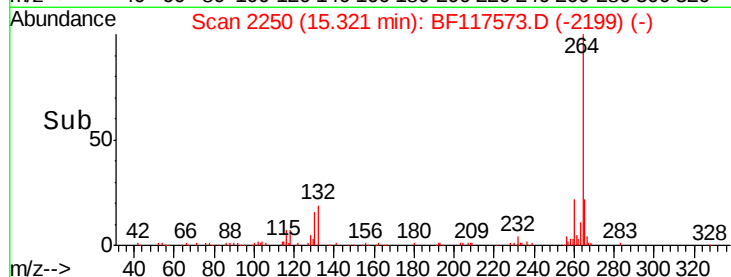
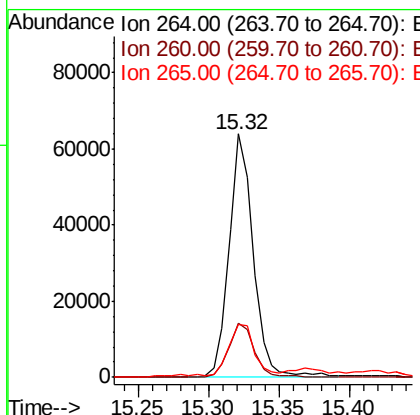
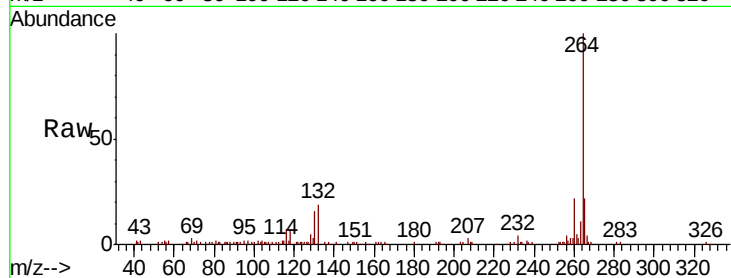
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.4	27.6
265	22.0	16.1	24.1

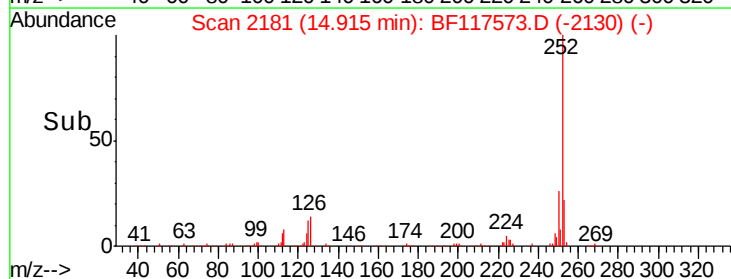
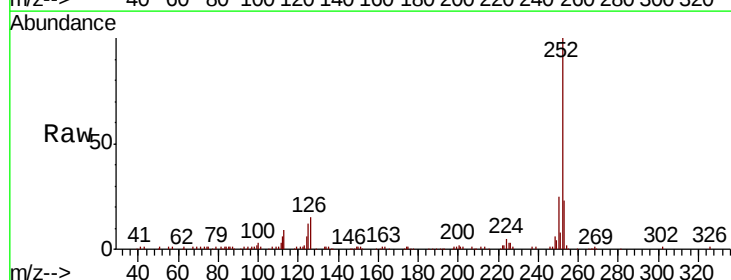
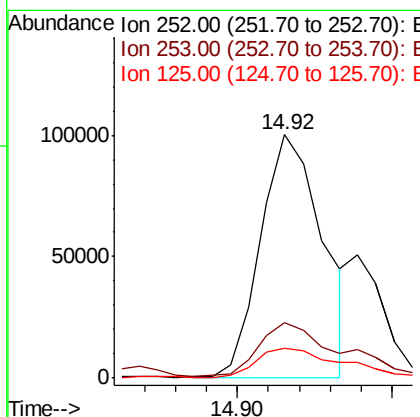
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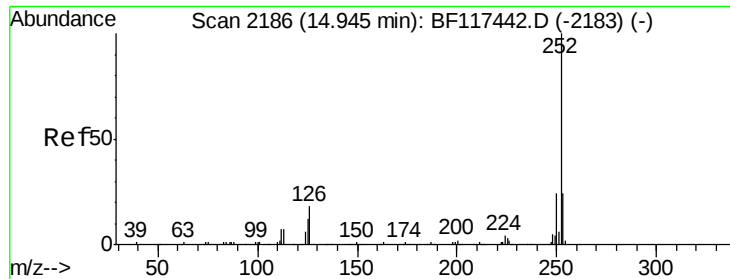
mohammad
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#88
Benzo(b)fluoranthene
Concen: 31.035 ng m
RT: 14.92 min Scan# 2181
Delta R.T. -0.00 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	12.5	9.9	14.9





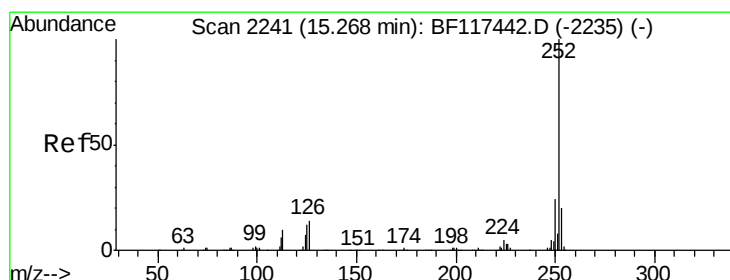
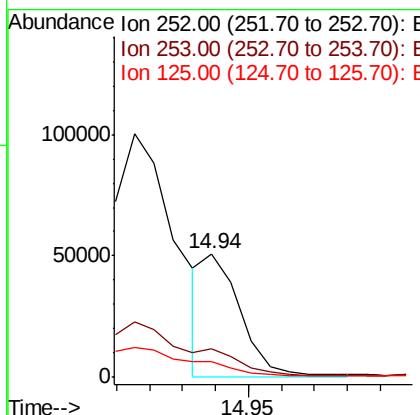
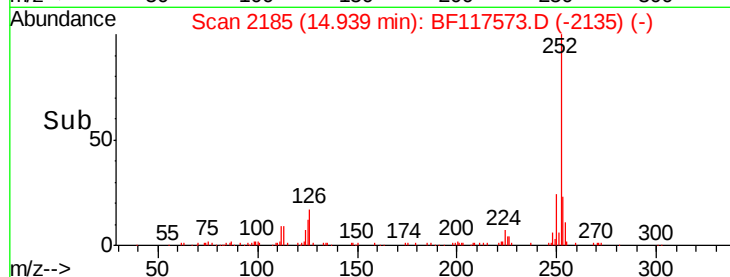
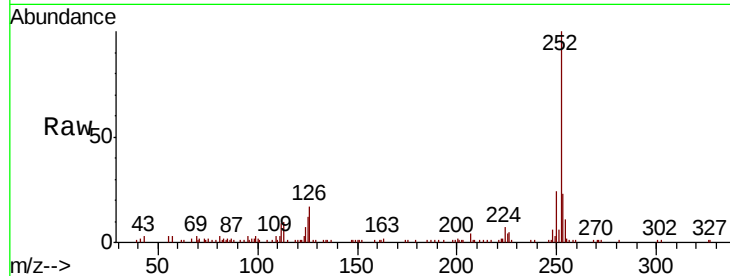
#89
Benzo(k)fluoranthene
Concen: 8.779 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.4	8.9	13.3

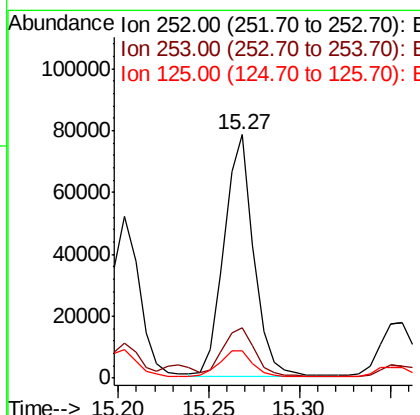
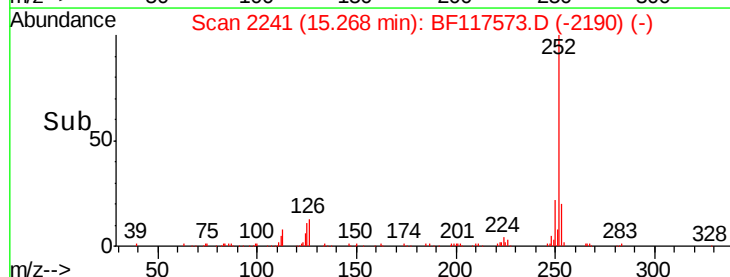
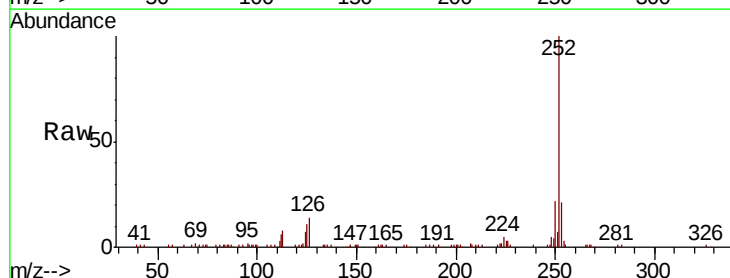
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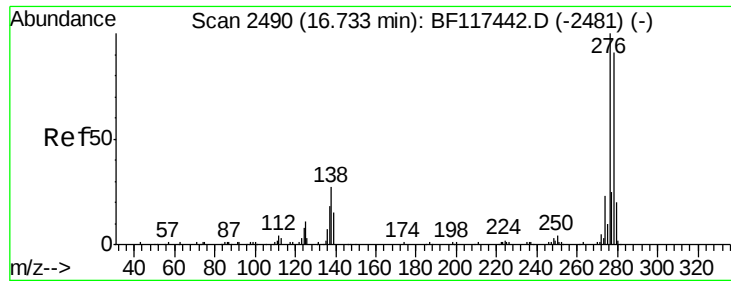
mohammad
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#90
Benzo(a)pyrene
Concen: 21.965 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	16.3	24.5
125	11.4	9.2	13.8





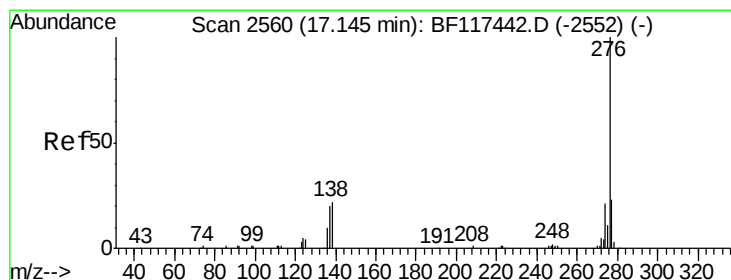
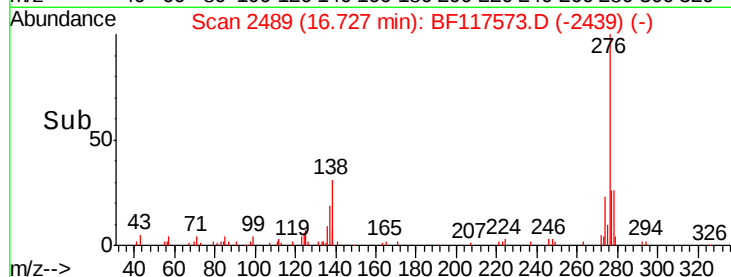
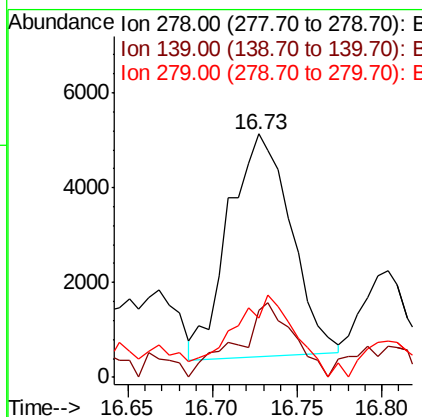
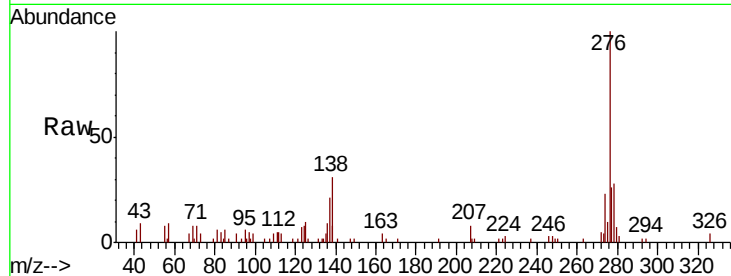
#91
Dibenzo(a,h)anthracene
Concen: 3.401 ng
RT: 16.73 min Scan# 2489
Delta R.T. -0.01 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.4	13.4	20.0#
279	24.2	17.8	26.6

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#92
Benzo(g,h,i)perylene
Concen: 12.166 ng
RT: 17.16 min Scan# 2563
Delta R.T. 0.02 min
Lab File: BF117573.D
Acq: 28 Oct 2019 20:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.4	27.6
138	29.1	17.8	26.6#

