

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117522.D
 Acq On : 24 Oct 2019 20:39
 Operator : JU
 Sample : K5499-09 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 197-74-(0-1)

Manual Integrations
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mohammad
 10/26/2019 10:03:14 AM

Quant Time: Oct 25 04:28:19 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	51623	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	221793	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	109193	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	150472	20.00	ng	0.00
76) Chrysene-d12	13.90	240	101513	20.00	ng	0.00
87) Perylene-d12	15.33	264	92566	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	124348	35.84	ng	0.00
7) Phenol-d6	6.39	99	177366	38.06	ng	0.00
23) Nitrobenzene-d5	7.30	82	107381	23.90	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	28770	30.45	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	184988	23.87	ng	0.00
79) Terphenyl-d14	12.83	244	127301	20.45	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	16975	2.181	ng	98
58) Fluorene	10.32	166	17171	2.333	ng	94
71) Phenanthrene	11.27	178	161050	18.432	ng	98
72) Anthracene	11.33	178	42169	4.704	ng	98
75) Fluoranthene	12.47	202	178736	20.435	ng	99
78) Pyrene	12.70	202	147388	16.903	ng	100
81) Benzo(a)anthracene	13.89	228	76490	11.171	ng	99
83) Chrysene	13.92	228	62687	9.341	ng	97
86) Indeno(1,2,3-cd)pyrene	16.74	276	23907	4.771	ng	97
88) Benzo(b)fluoranthene	14.92	252	76477m	13.991	ng	
89) Benzo(k)fluoranthene	14.94	252	24041m	4.291	ng	
90) Benzo(a)pyrene	15.27	252	46445	9.345	ng	96
92) Benzo(a,h,i)perylene	17.17	276	21359	5.253	ng	# 88

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

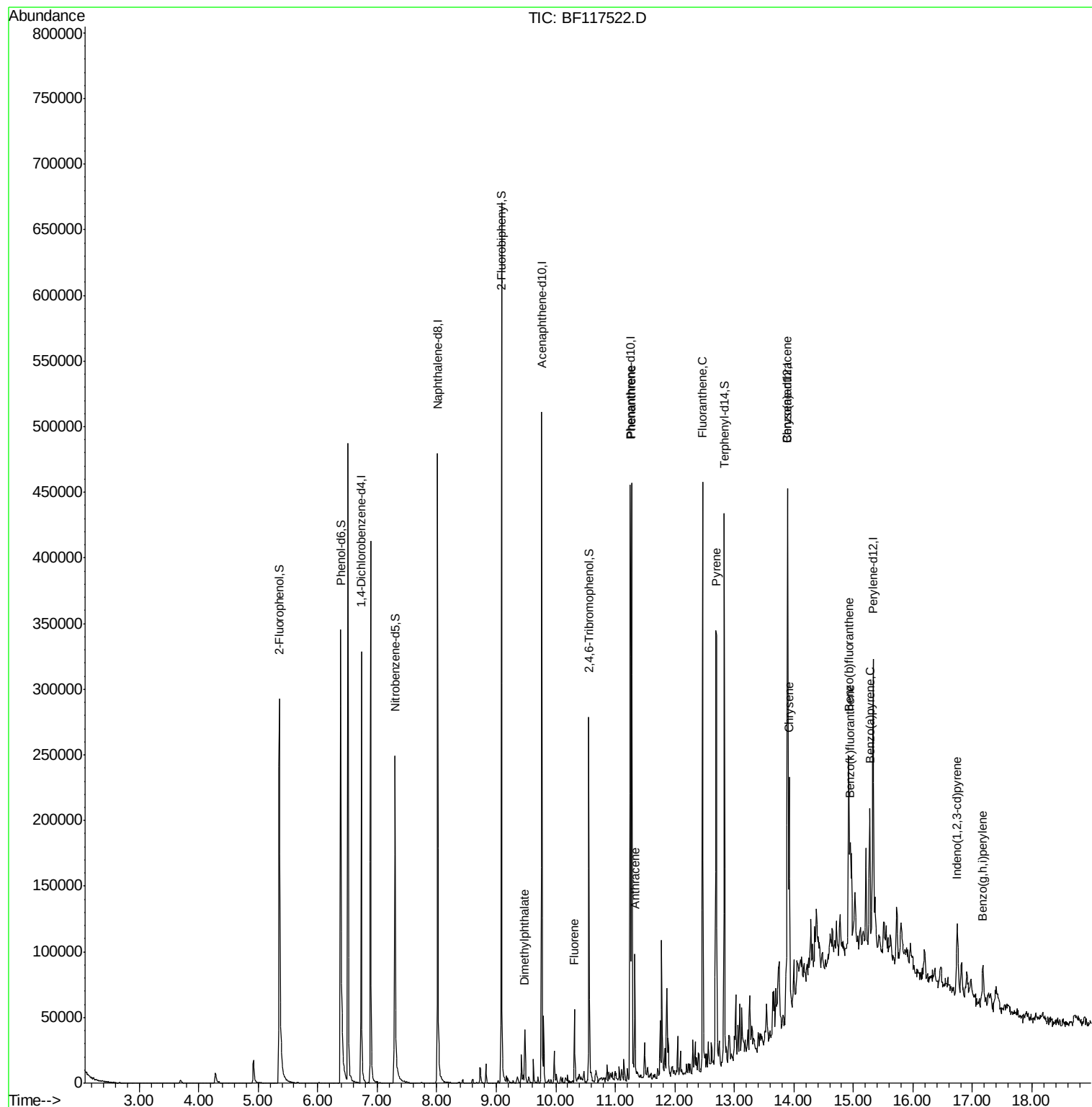
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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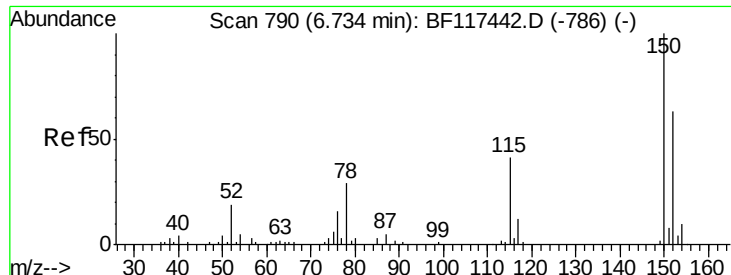
Instrument :
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#1

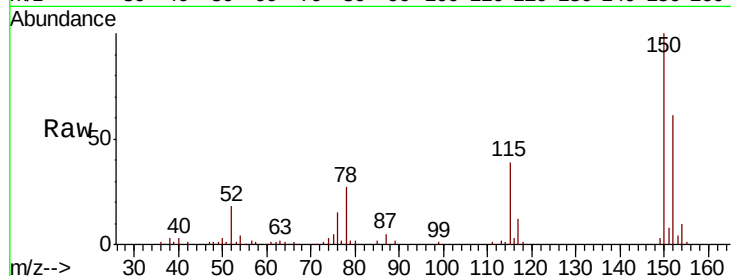
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.2	126.8	190.2
115	64.8	51.6	77.4

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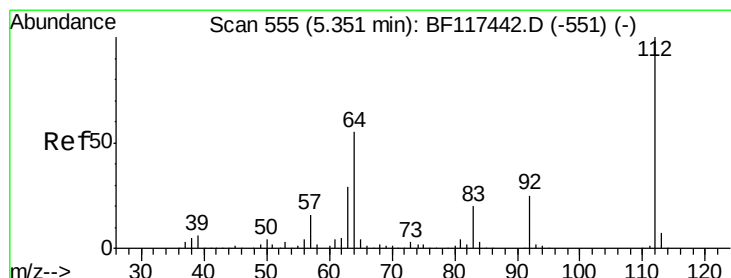
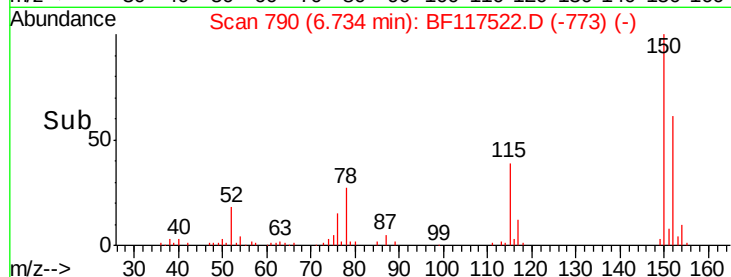
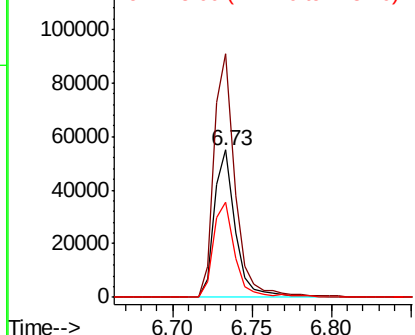


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

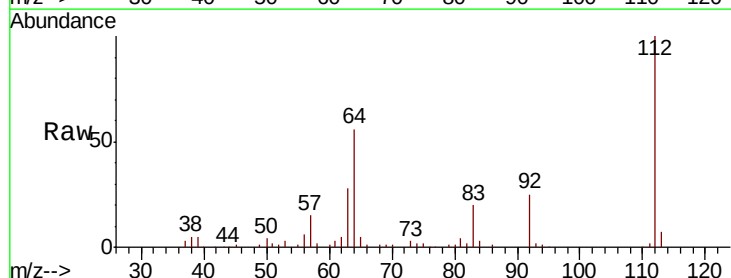
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 35.835 ng
RT: 5.36 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.1	66.1
63	27.9	23.4	35.2

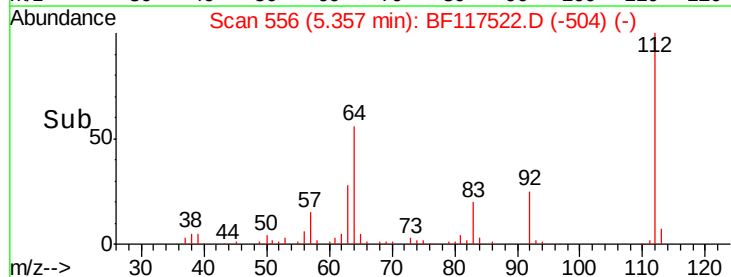
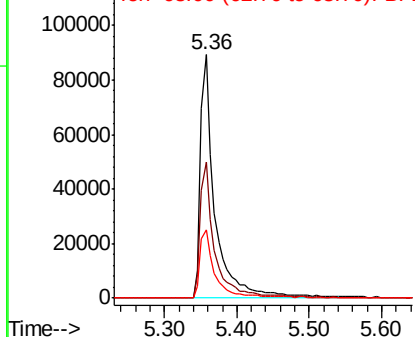


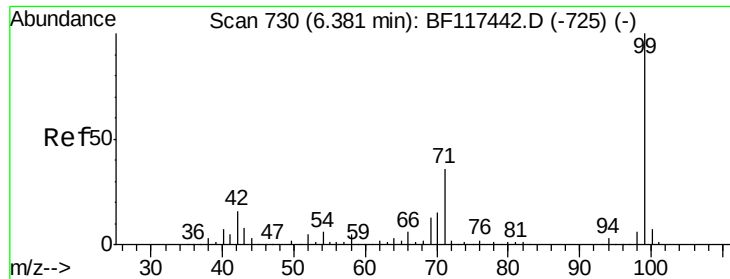
Abundance

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: 38.057 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Instrument :

BNA_F

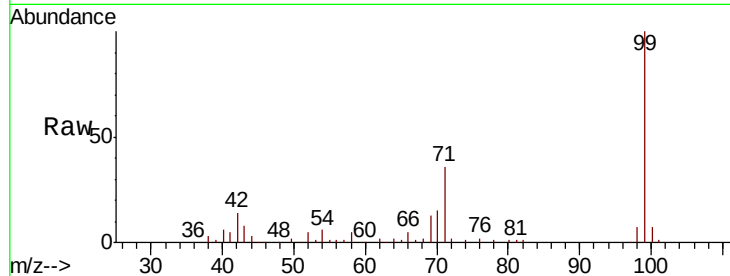
ClientSampleId :

197-74-(0-1)

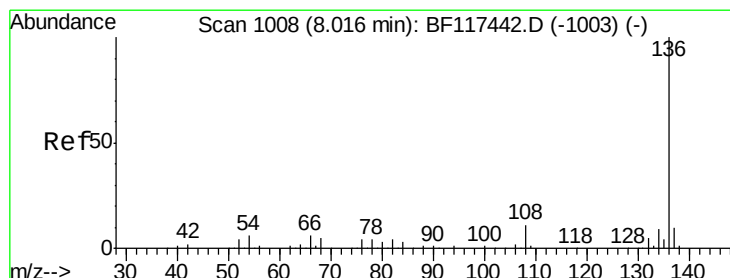
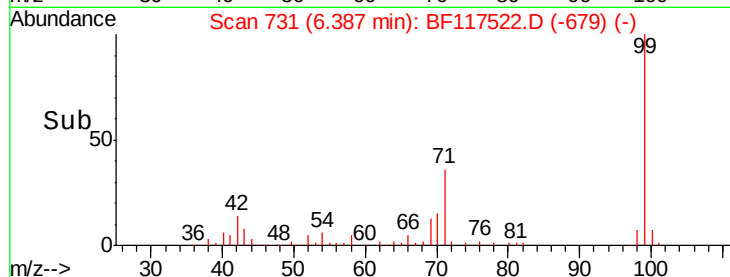
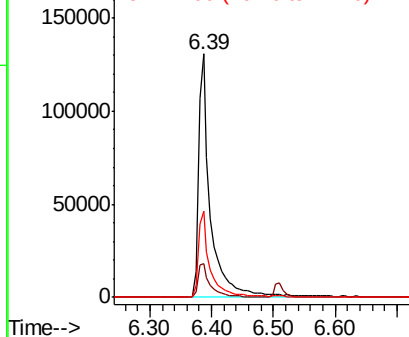
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		177366		
42	13.9	12.8	19.2		
71	35.6	28.6	43.0		

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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: 8.02 min Scan# 1008

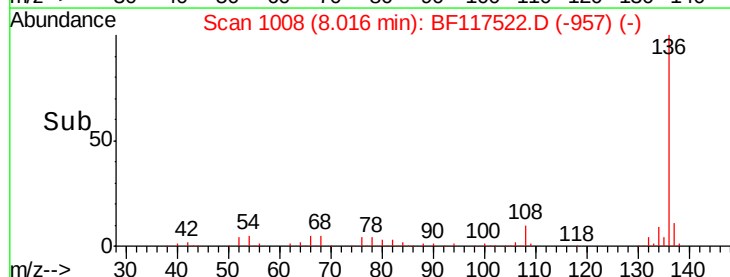
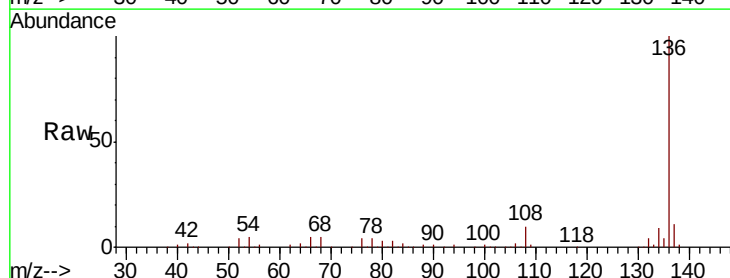
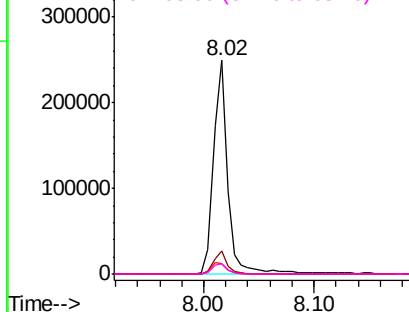
Delta R.T. -0.00 min

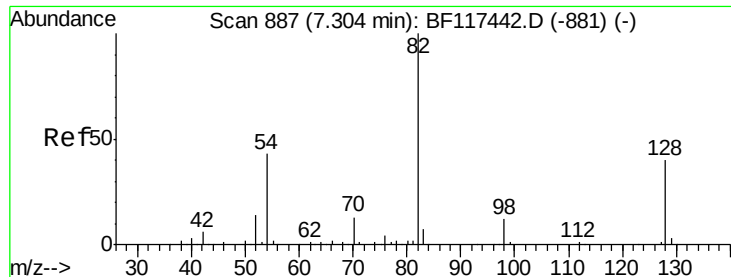
Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		221793		
137	10.7	8.2	12.4		
54	4.9	4.5	6.7		
68	4.8	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





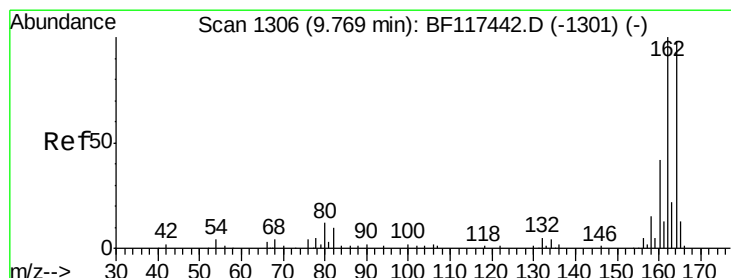
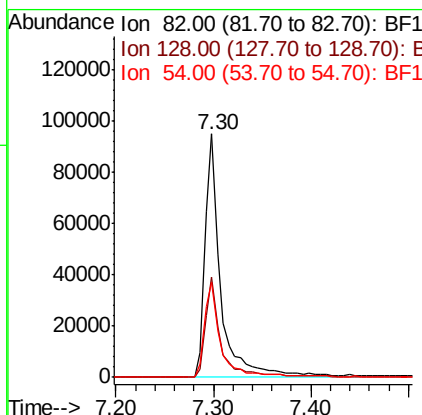
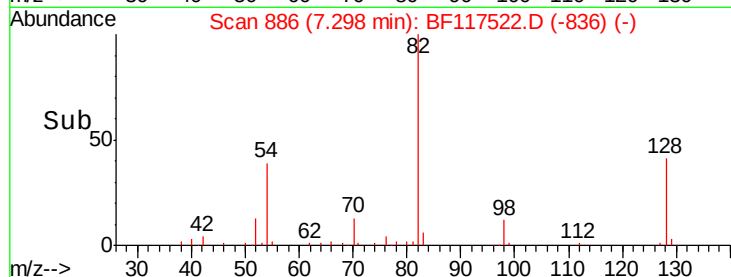
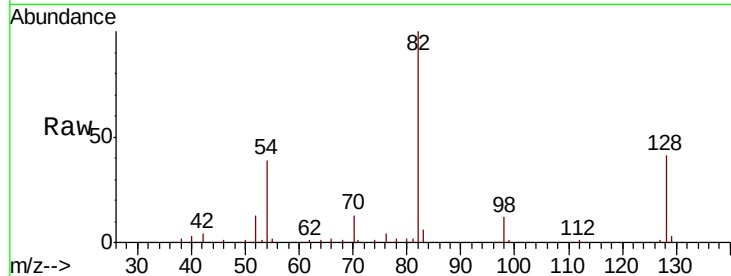
#23
Nitrobenzene-d5
Concen: 23.901 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.2	48.2
54	38.8	34.2	51.2

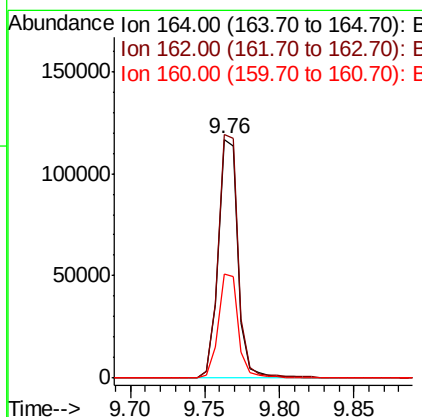
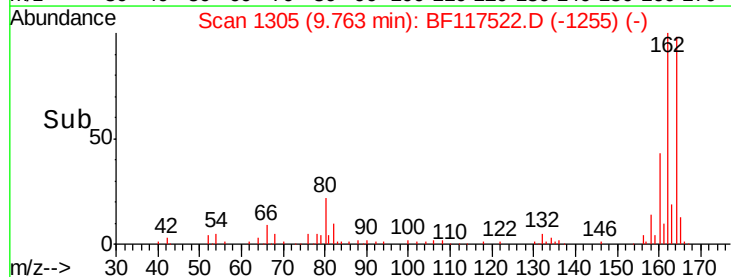
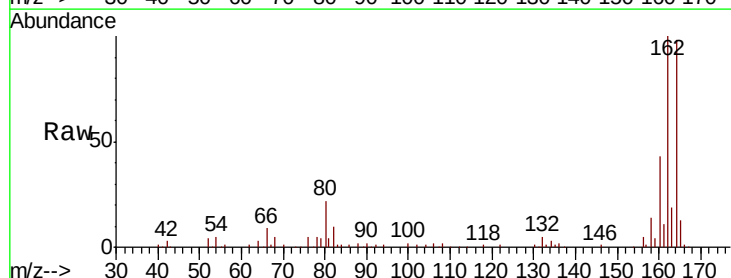
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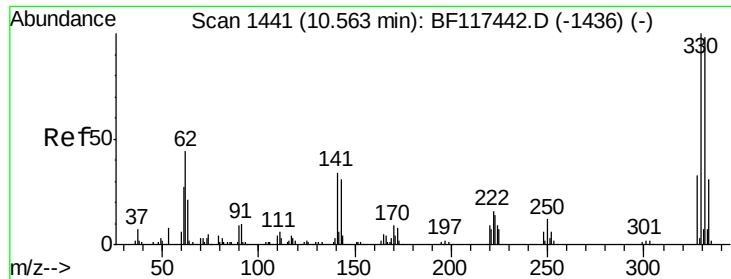
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.8	122.6
160	43.6	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 30.451 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Instrument :

BNA_F

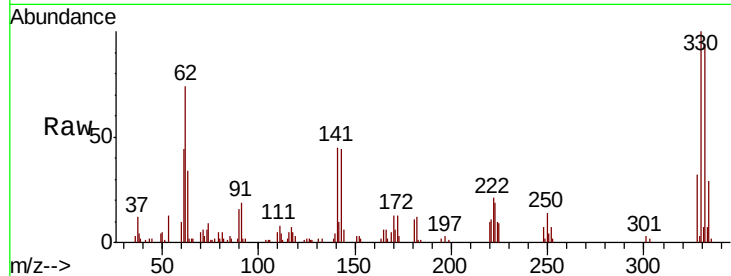
ClientSampleId :

197-74-(0-1)

Tot Ion:	330	Resp:	28770
Ion Ratio	Lower	Upper	
330	100		
332	98.1	78.5	117.7
141	46.3	37.0	55.6

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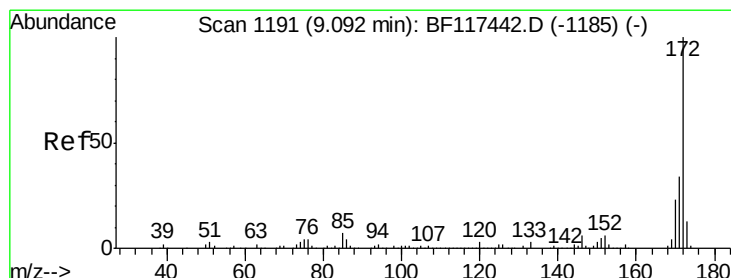
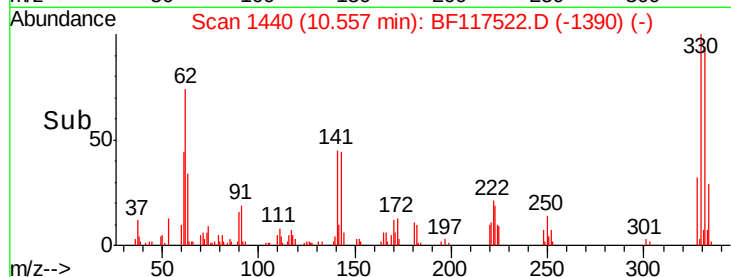
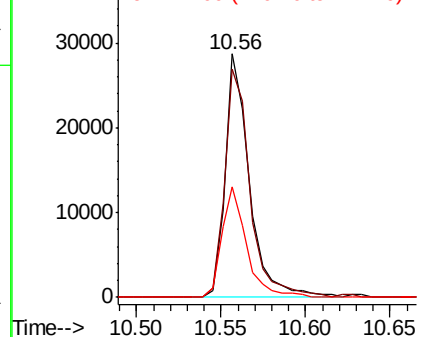


Abundance

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: 23.870 ng

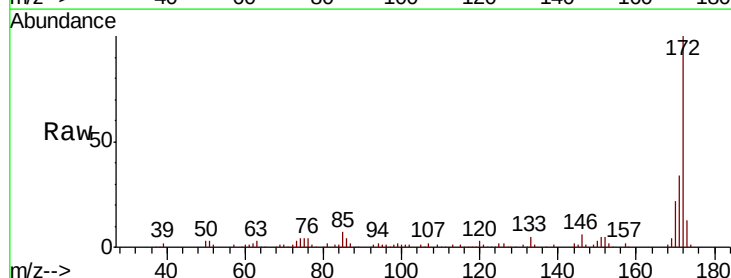
RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Tgt Ion:	172	Resp:	184988
Ion Ratio	Lower	Upper	
172	100		
171	34.0	27.5	41.3
170	22.5	18.6	27.8

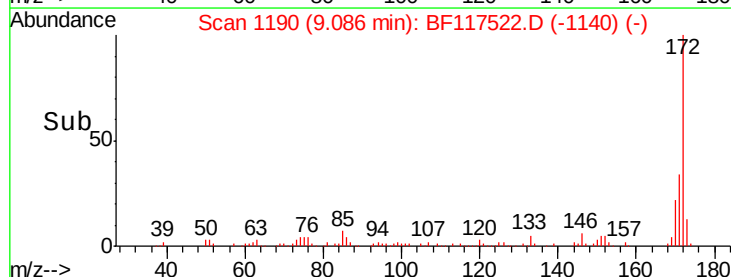
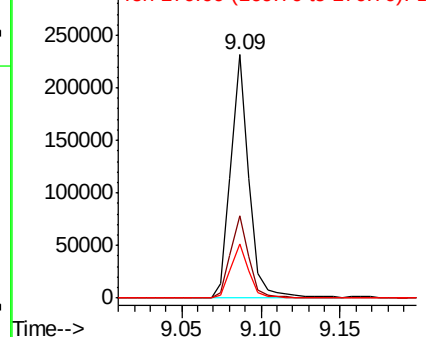


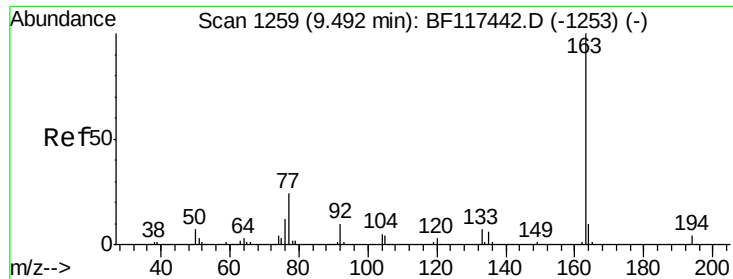
Abundance

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





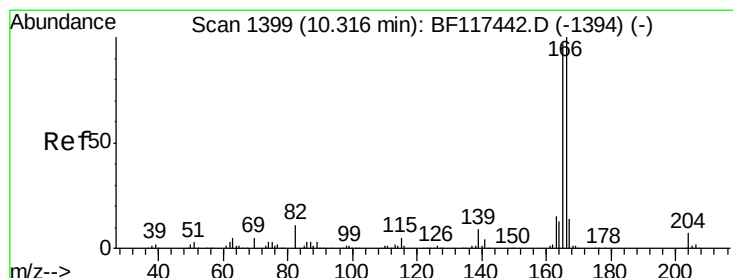
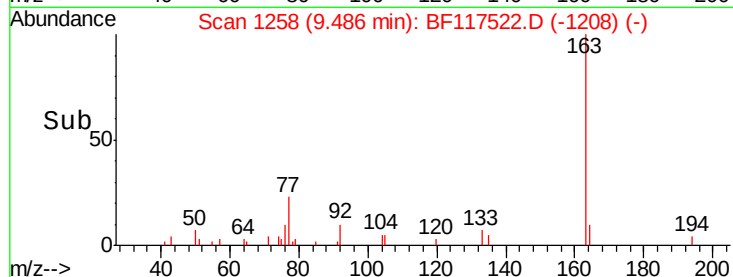
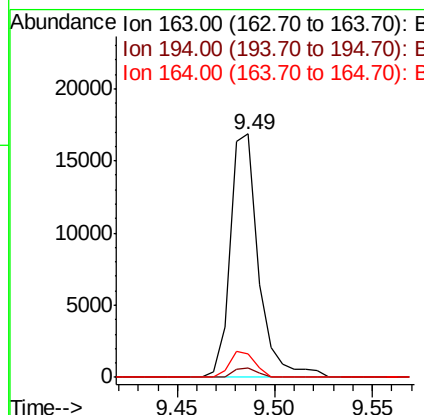
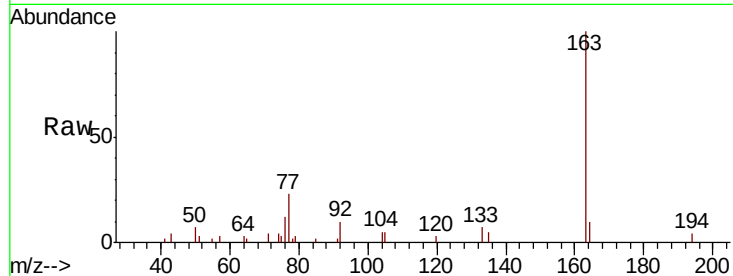
#50
Dimethylphthalate
Concen: 2.181 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	16975		
194	4.1		2.9	4.3
164	9.5		8.2	12.2

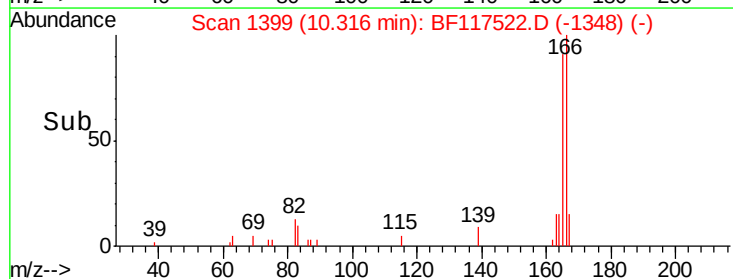
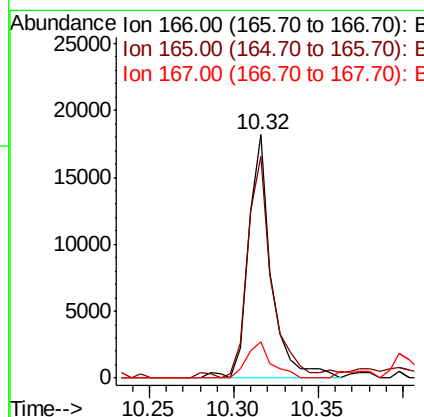
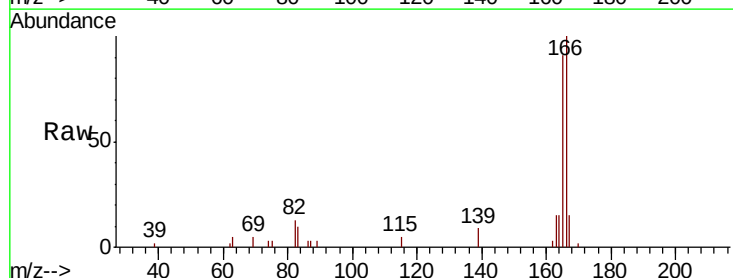
Manual Integrations
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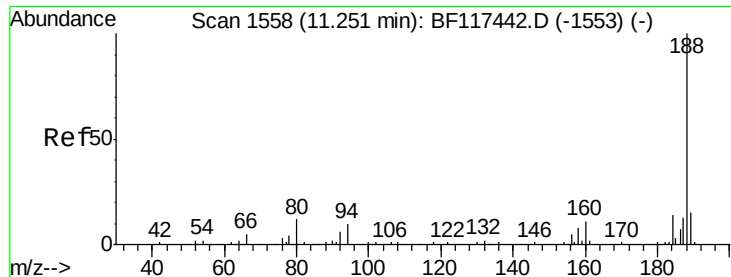
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#58
Fluorene
Concen: 2.333 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	17171		
165	91.2		77.6	116.4
167	14.7		11.0	16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117522.D

Acq: 24 Oct 2019 20:39

Instrument :

BNA_F

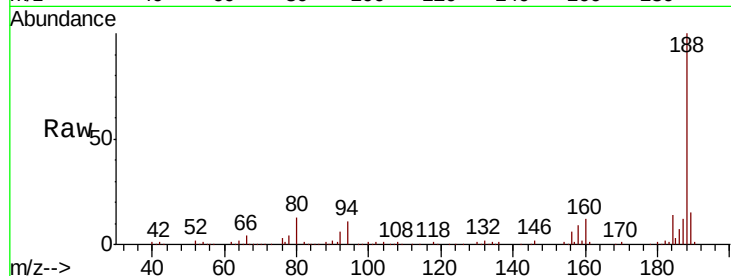
ClientSampleId :

197-74-(0-1)

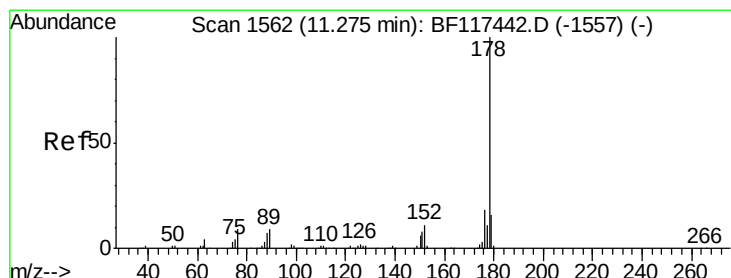
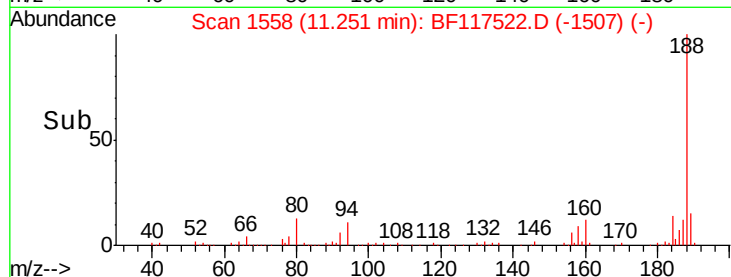
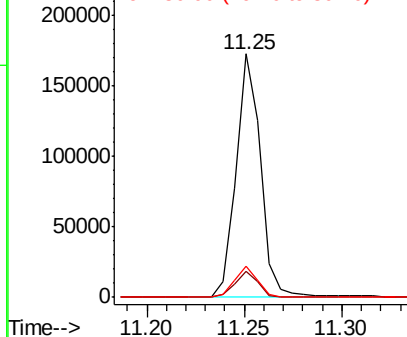
Tot Ion:	188	Resp:	150472
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.0	12.0
80	12.6	9.5	14.3

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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: 18.432 ng

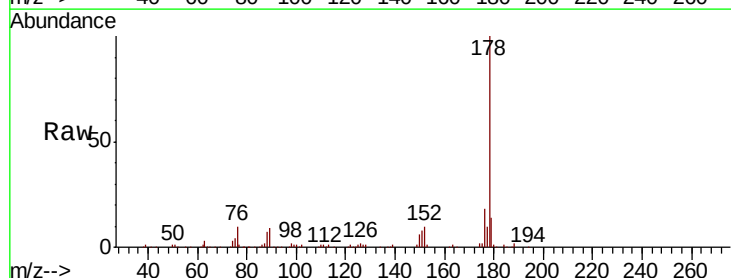
RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

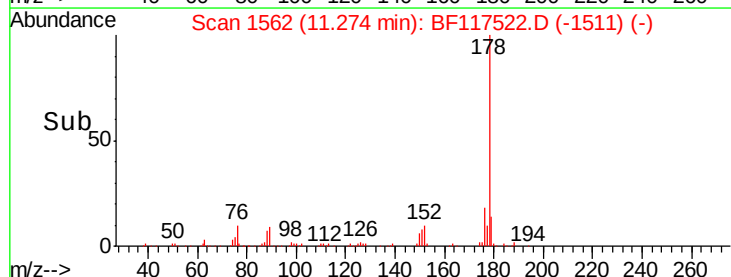
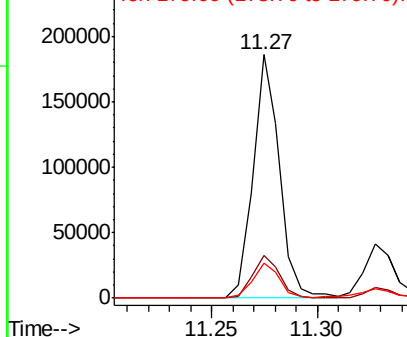
Lab File: BF117522.D

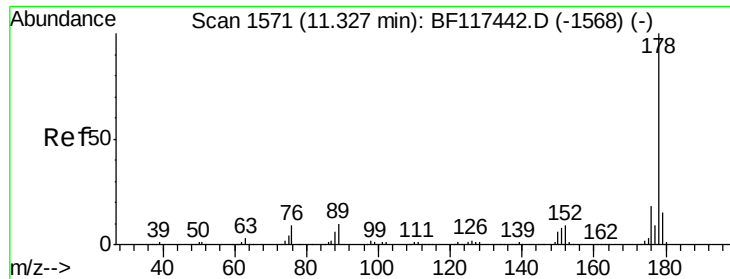
Acq: 24 Oct 2019 20:39

Tgt Ion:	178	Resp:	161050
Ion Ratio	Lower	Upper	
178	100		
176	17.7	14.6	22.0
179	14.5	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





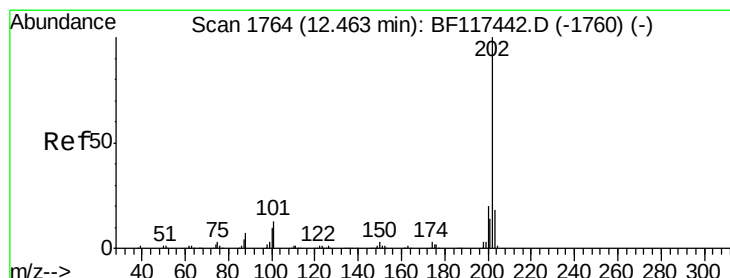
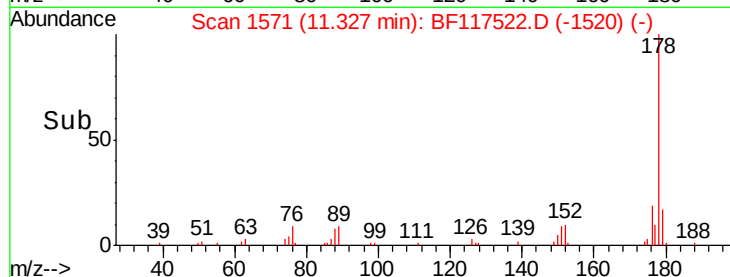
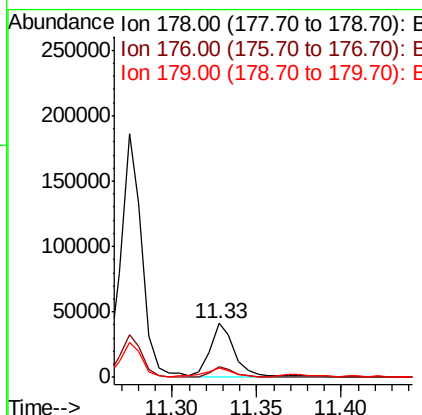
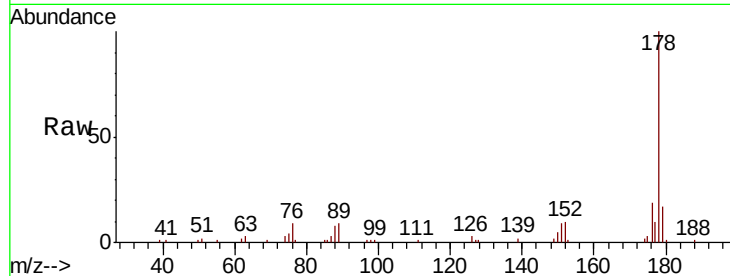
#72
 Anthracene
 Concen: 4.704 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

Instrument :
 BNA_F
 ClientSampleId :
 197-74-(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.7	22.1
179	16.7	12.2	18.2

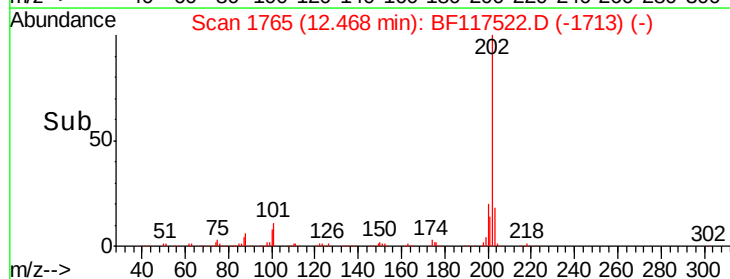
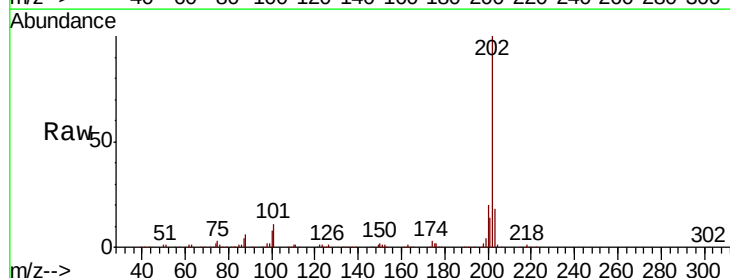
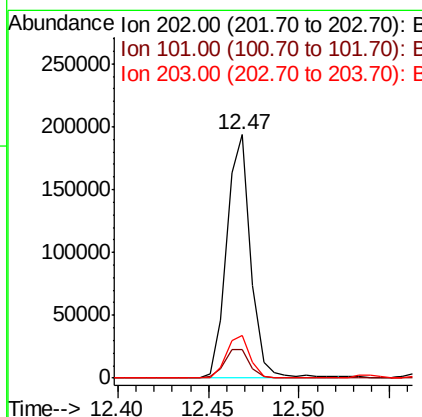
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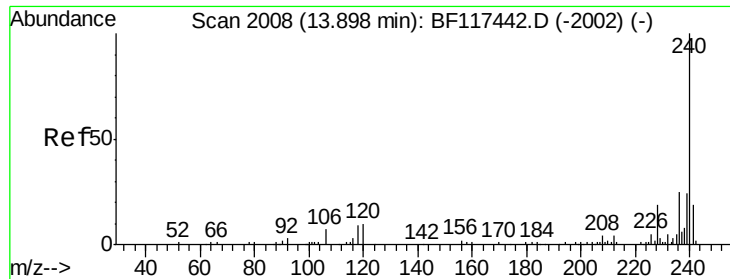
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#75
 Fluoranthene
 Concen: 20.435 ng
 RT: 12.47 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.7
203	17.5	0.0	37.6





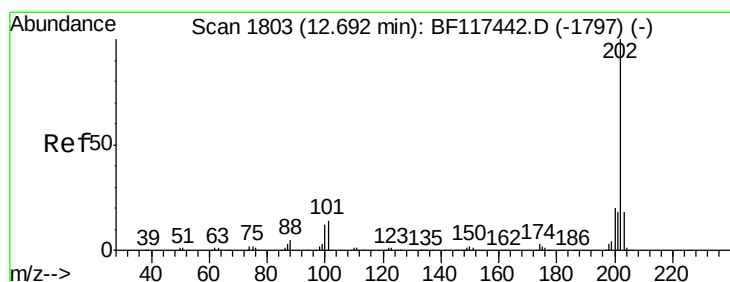
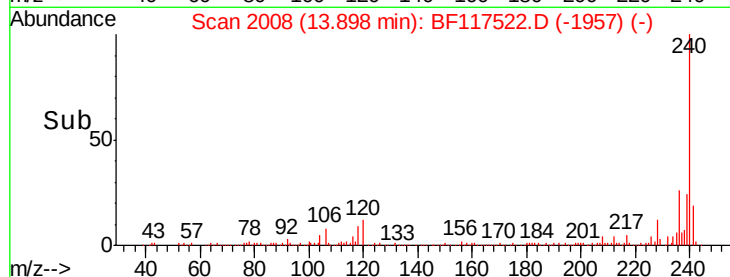
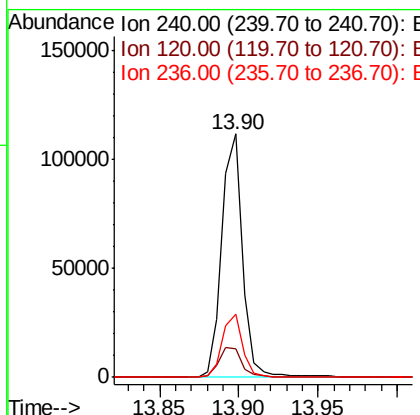
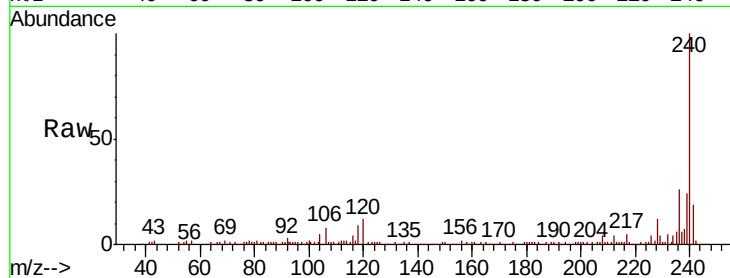
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	101513		
120	11.8	8.4	12.6	
236	25.7	20.0	30.0	

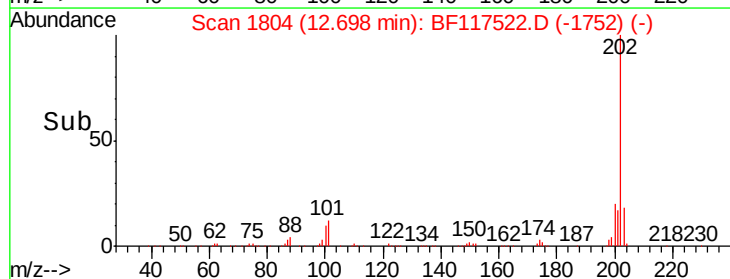
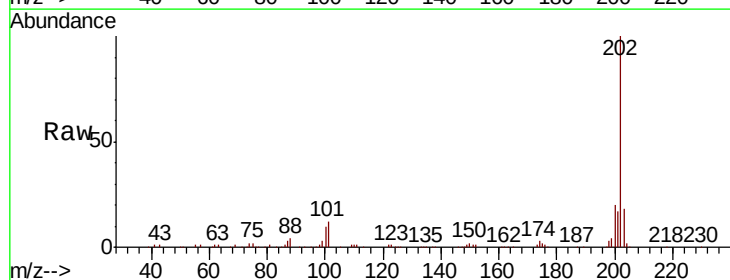
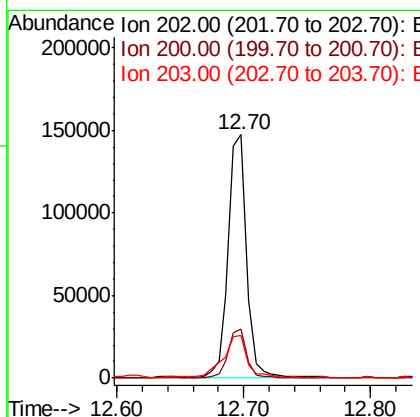
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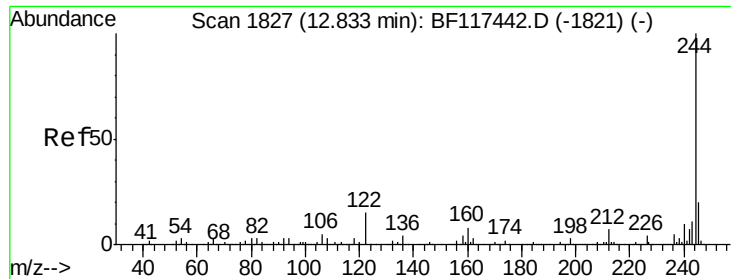
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#78
Pyrene
Concen: 16.903 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	147388		
200	20.1	16.2	24.2	
203	17.5	14.0	21.0	





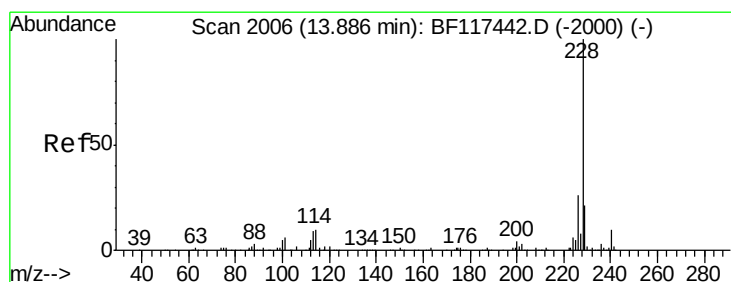
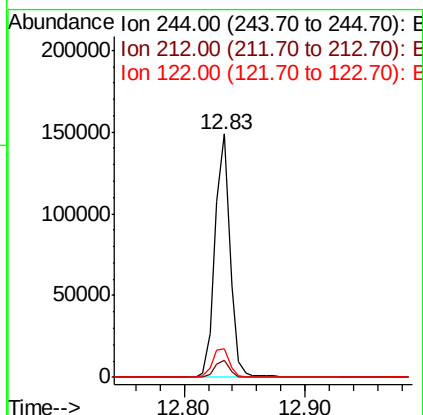
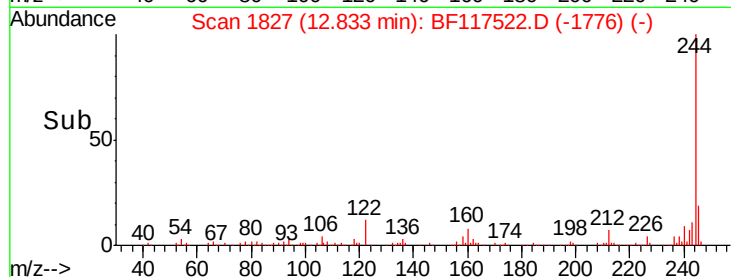
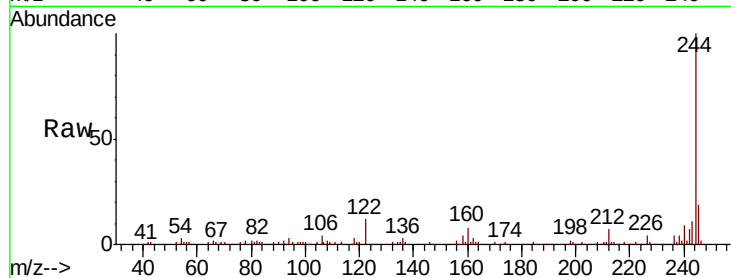
#79
 Terphenyl-d14
 Concen: 20.455 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

Instrument :
 BNA_F
 ClientSampleId :
 197-74-(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	11.6	11.8	17.8

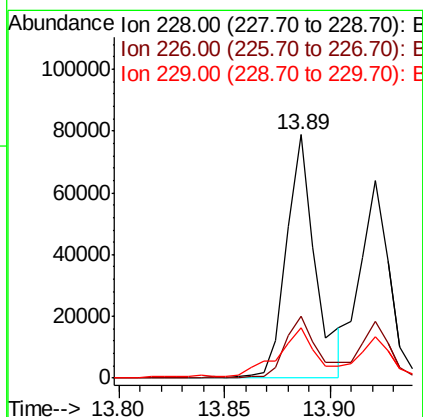
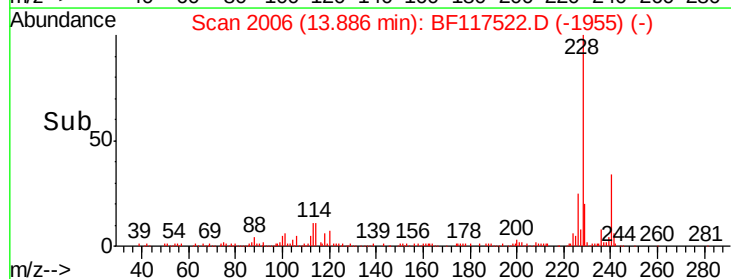
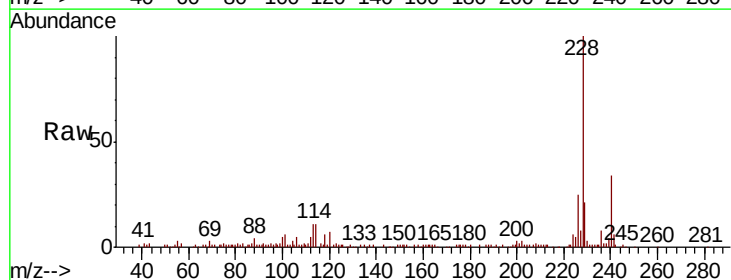
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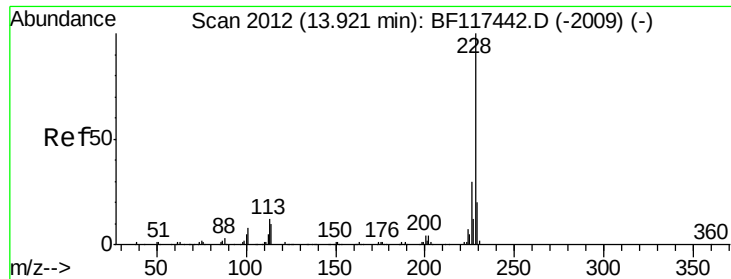
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#81
 Benzo(a)anthracene
 Concen: 11.171 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.1	21.0	31.4
229	20.9	16.4	24.6





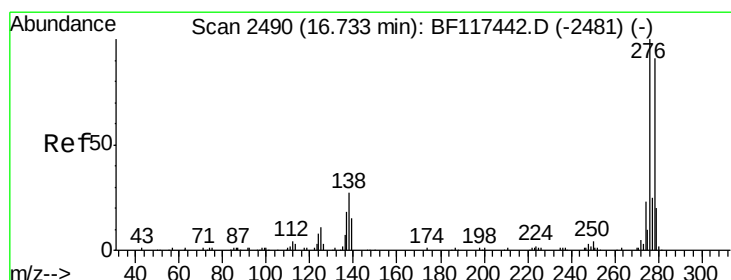
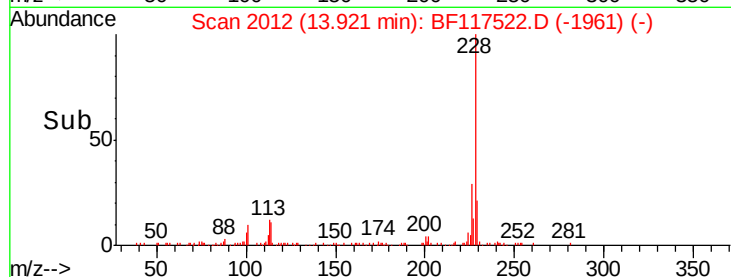
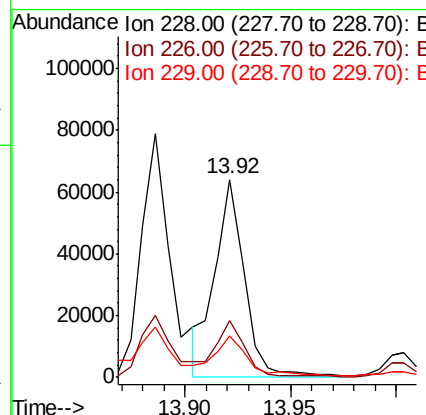
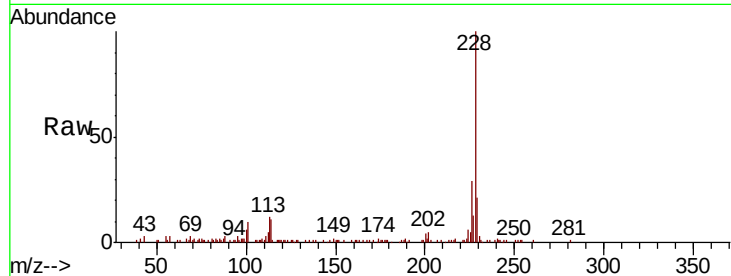
#83
Chrysene
Concen: 9.341 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.9	35.9
229	21.0	15.8	23.6

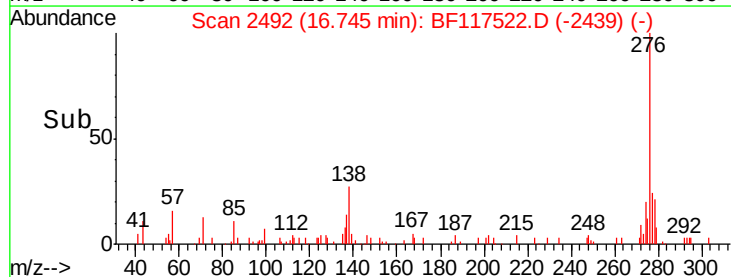
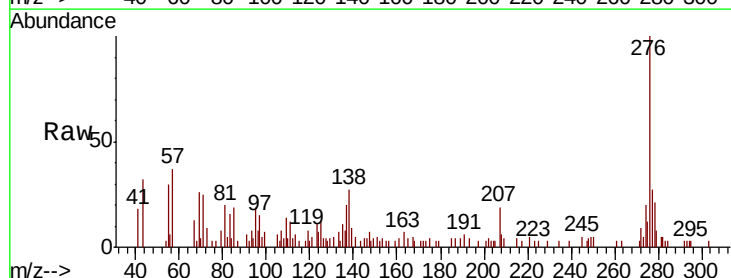
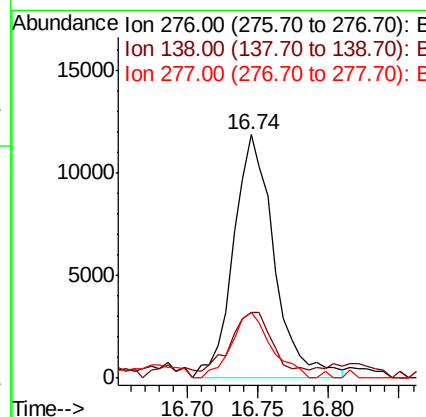
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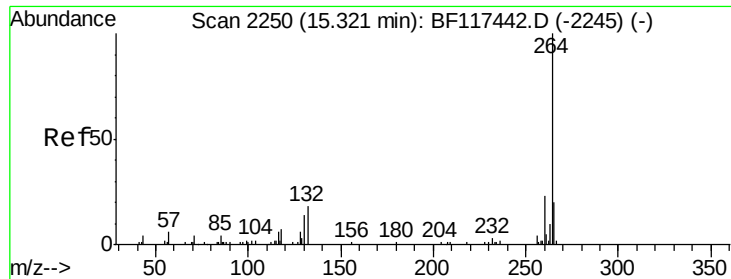
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.771 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.6	21.8	32.8
277	26.0	20.0	30.0





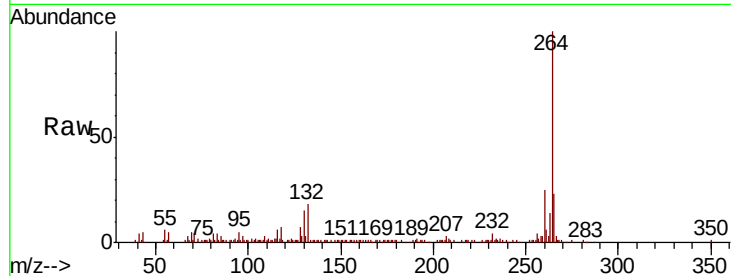
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.4	27.6
265	22.7	16.1	24.1

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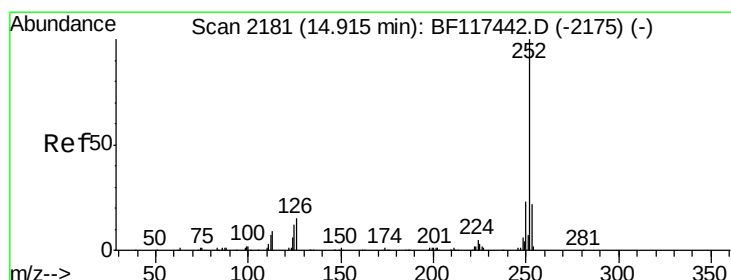
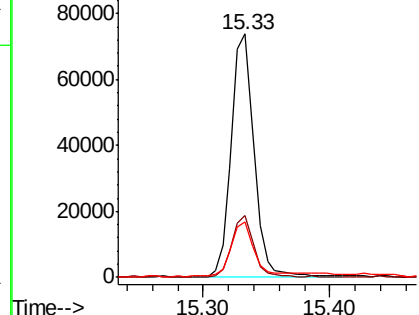
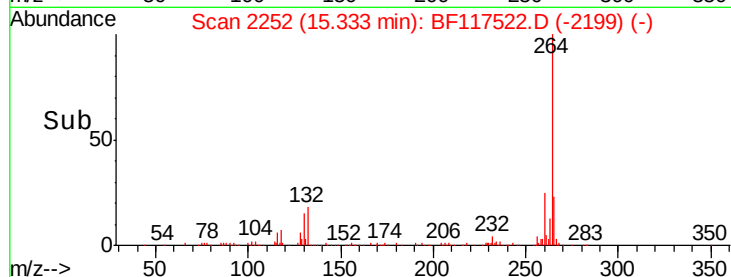


Abundance

Ion 264.00 (263.70 to 264.70): E

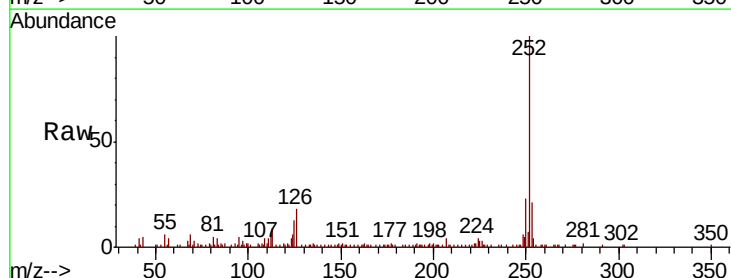
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 13.991 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.6
125	13.4	9.9	14.9

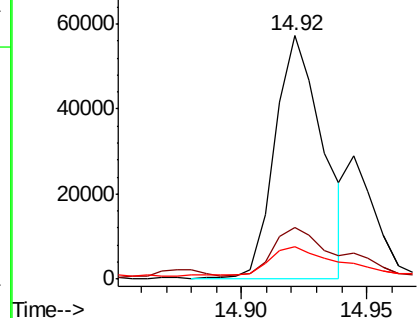
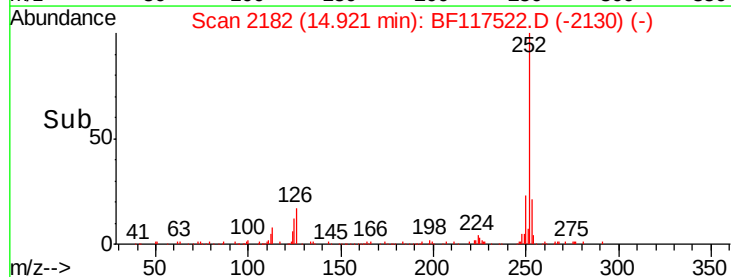


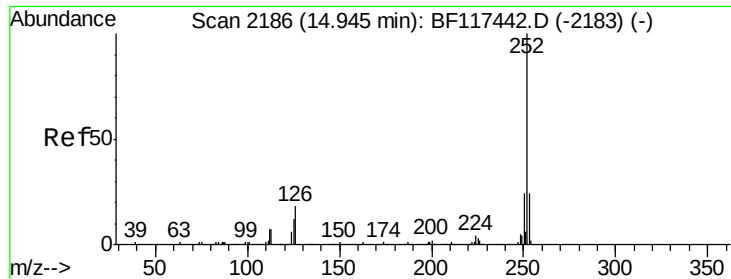
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





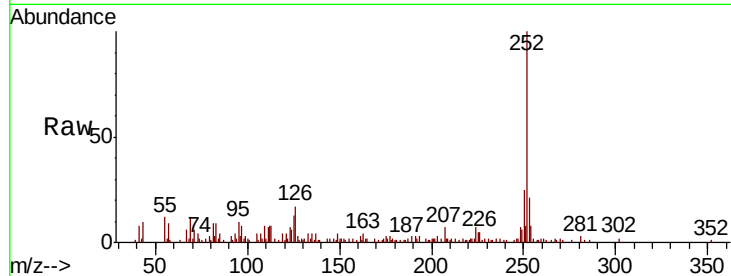
#89
Benzo(k)fluoranthene
Concen: 4.291 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Instrument :
BNA_F
ClientSampleId :
197-74-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.0	27.0
125	13.2	8.9	13.3

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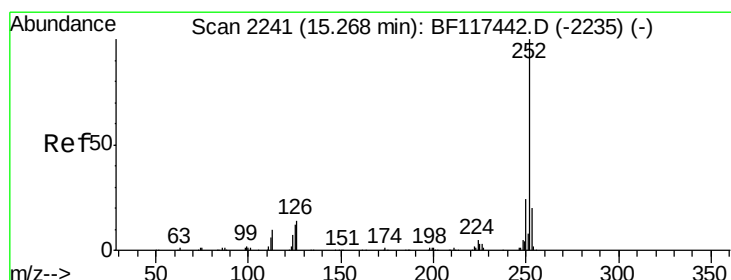
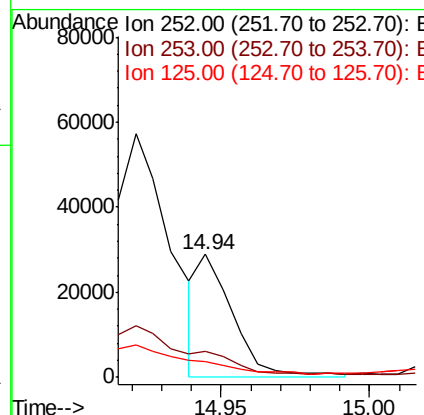
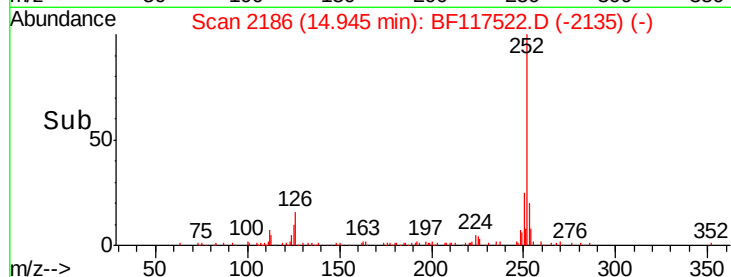


Abundance

Ion 252.00 (251.70 to 252.70): E

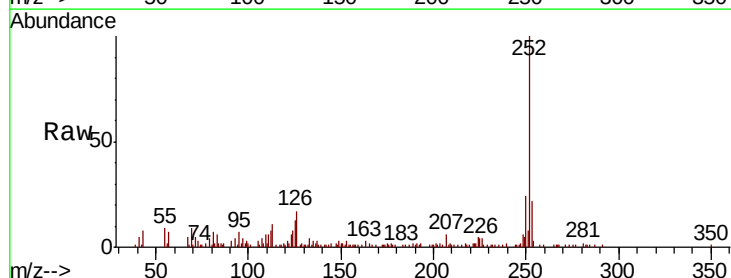
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 9.345 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117522.D
Acq: 24 Oct 2019 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.3	24.5
125	13.2	9.2	13.8

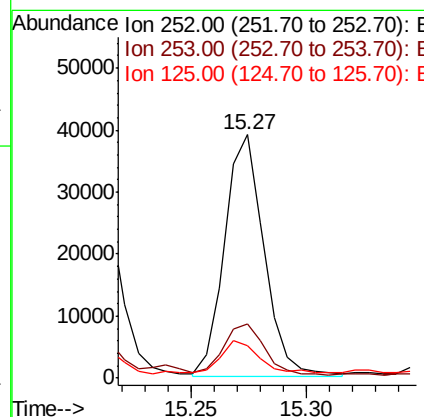
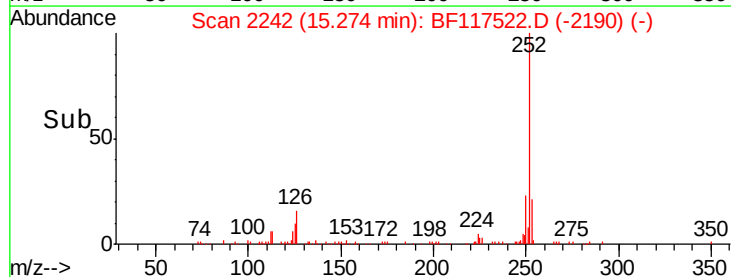


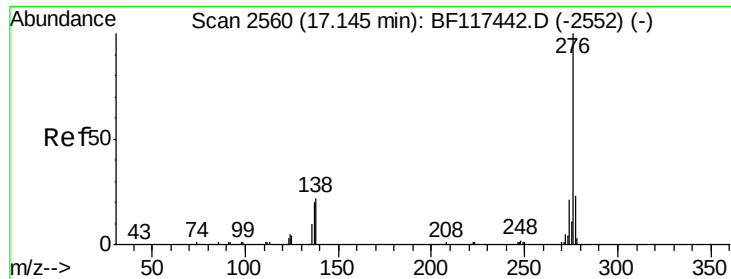
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 5.253 ng
 RT: 17.17 min Scan# 2565
 Delta R.T. 0.03 min
 Lab File: BF117522.D
 Acq: 24 Oct 2019 20:39

Instrument :
 BNA_F
 ClientSampleId :
 197-74-(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.1	18.4	27.6#
138	26.5	17.8	26.6

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