

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
 Data File : BF118507.D
 Acq On : 8 Jan 2020 19:21
 Operator : JU
 Sample : L1049-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
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Quant Time: Jan 09 03:42:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 16:06:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	75202	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	273502	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	157256	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	246180	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	170279	20.00	ng	-0.01
87) Perylene-d12	15.52	264	212232	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	294101	64.56	ng	0.00
7) Phenol-d6	6.47	99	552030	101.35	ng	0.00
23) Nitrobenzene-d5	7.39	82	330892	63.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	46087	24.84	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	640924	58.45	ng	-0.01
79) Terphenyl-d14	12.96	244	636891	59.27	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.47	94	12611	2.090	ng	# 54
31) Naphthalene	8.13	128	34002	2.377	ng	98
37) 2-Methylnaphthalene	8.83	142	20180	2.055	ng	94
50) Dimethylphthalate	9.59	163	44540	3.690	ng	99
52) Acenaphthene	9.91	154	19178	2.075	ng	97
58) Fluorene	10.43	166	23367	2.094	ng	99
71) Phenanthrene	11.39	178	159950	11.598	ng	99
72) Anthracene	11.45	178	38642	2.817	ng	98
75) Fluoranthene	12.59	202	237449	16.940	ng	98
78) Pyrene	12.82	202	194375	13.874	ng	99
81) Benzo(a)anthracene	14.02	228	114437	9.601	ng	98
83) Chrysene	14.05	228	108186	9.341	ng	97
84) Bis(2-ethylhexyl)phthalate	13.99	149	44560	5.115	ng	99
86) Indeno(1,2,3-cd)pyrene	17.02	276	53625	5.751	ng	98
88) Benzo(b)fluoranthene	15.08	252	168306m	10.969	ng	
89) Benzo(k)fluoranthene	15.10	252	50900m	3.475	ng	
90) Benzo(a)pyrene	15.45	252	113636	9.037	ng	99
92) Benzo(g,h,i)perylene	17.47	276	46271	4.142	ng	96

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

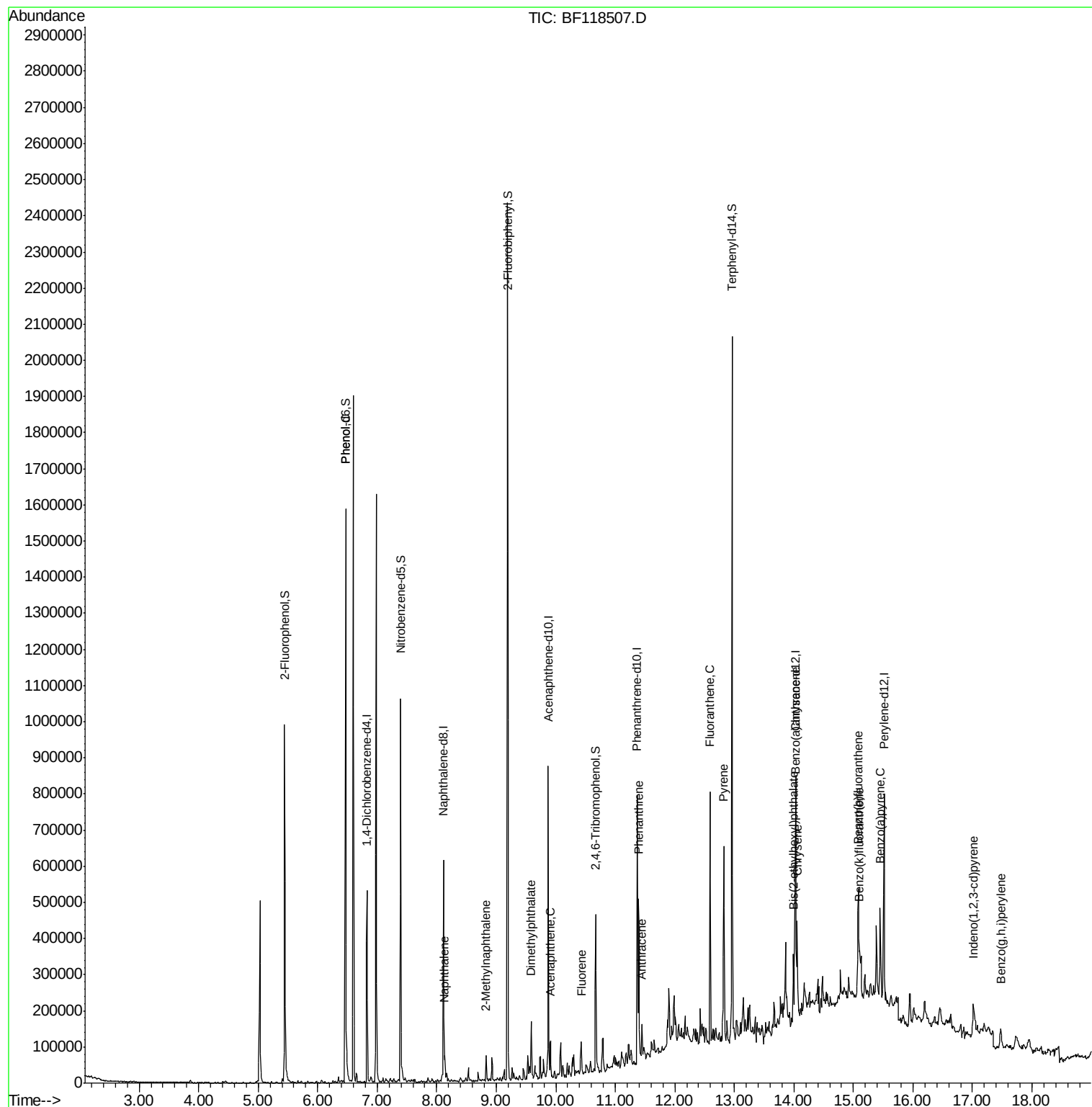
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
Data File : BF118507.D
Acq On : 8 Jan 2020 19:21
Operator : JU
Sample : L1049-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

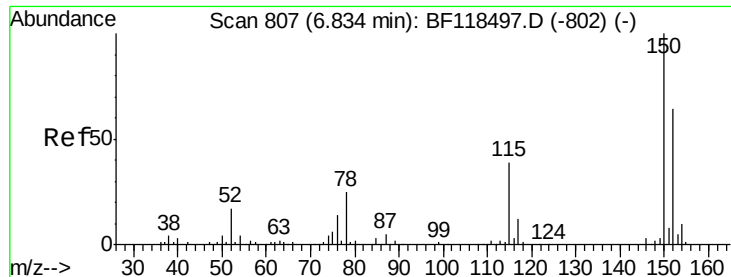
Instrument :
BNA_F
ClientSampled :
TP-2

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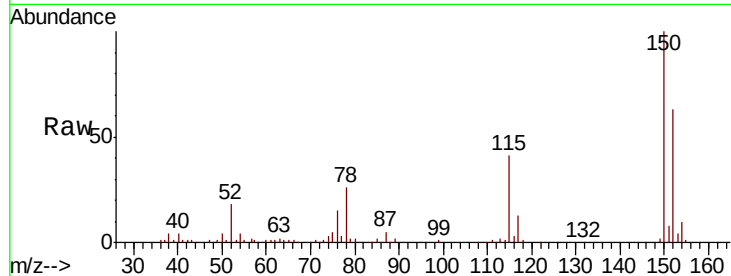
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF118507.D
 Acq: 8 Jan 2020 19:21

Instrument :
 BNA_F
 ClientSampled :
 TP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.7	187.1
115	65.3	49.0	73.6

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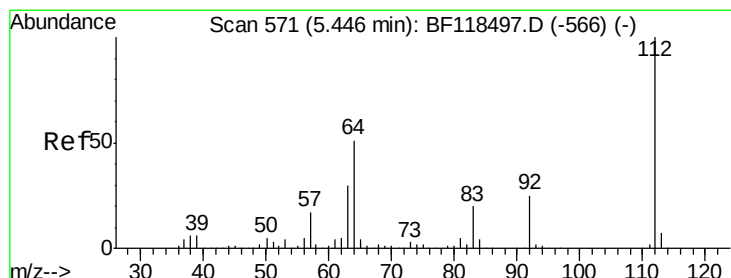
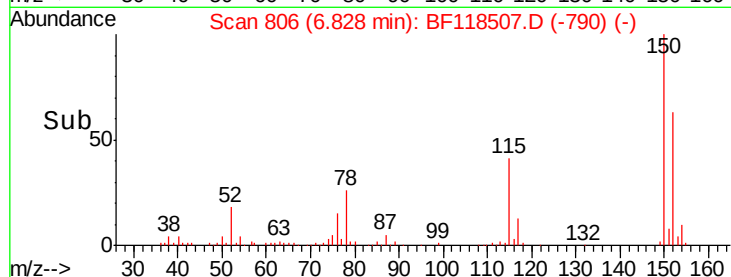
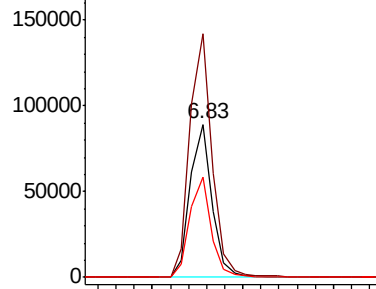


Abundance

Ion 152.00 (151.70 to 152.70): E

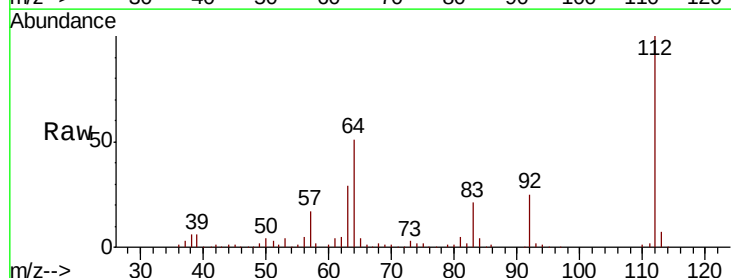
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 64.558 ng
 RT: 5.45 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: BF118507.D
 Acq: 8 Jan 2020 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.1	41.1	61.7
63	29.2	24.1	36.1

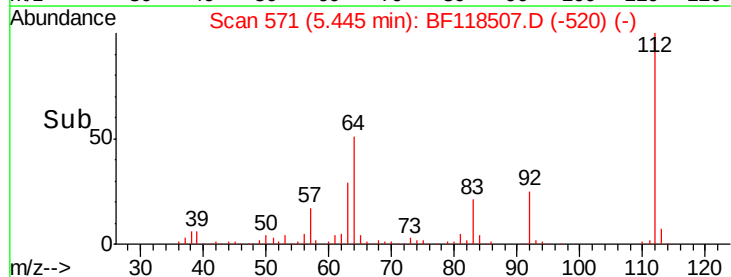
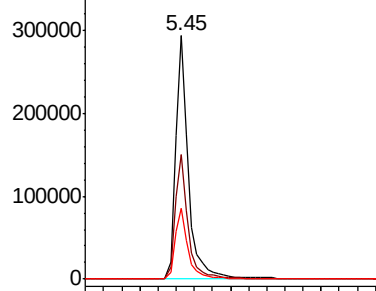


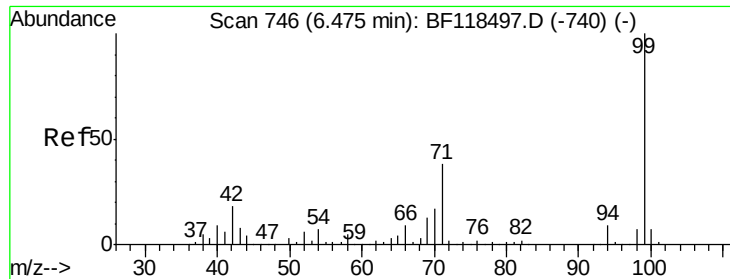
Abundance

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: 101.354 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF118507.D

Acq: 8 Jan 2020 19:21

Instrument :

BNA_F

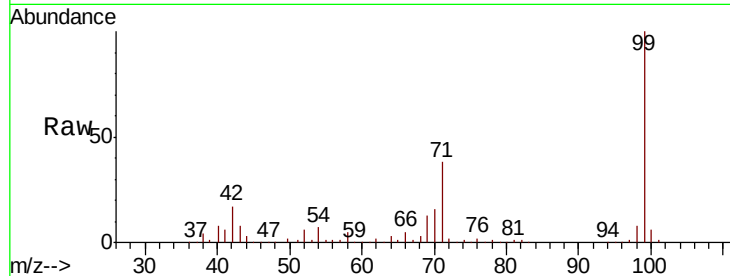
ClientSampled :

TP-2

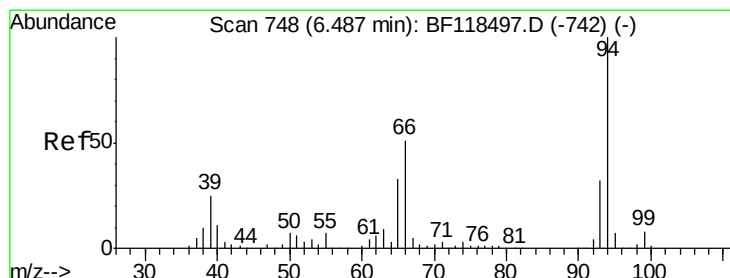
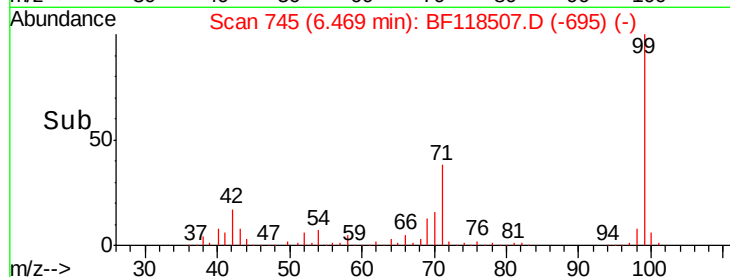
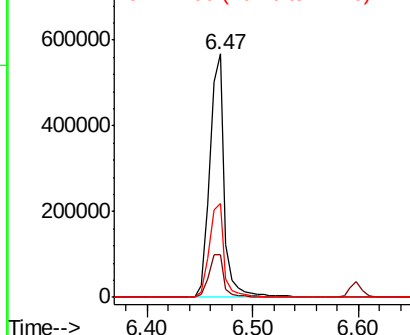
Tot Ion:	99	Resp:	552030
Ion Ratio	Lower	Upper	
99	100		
42	17.4	14.5	21.7
71	38.3	30.6	45.8

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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: 2.090 ng

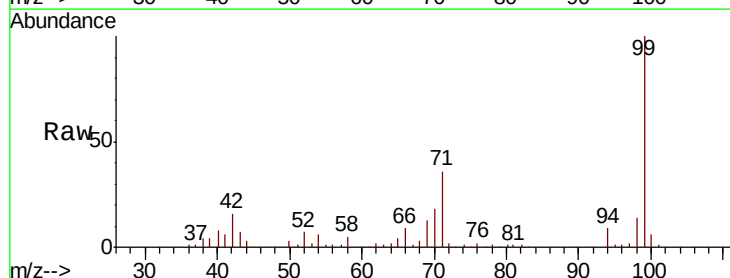
RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

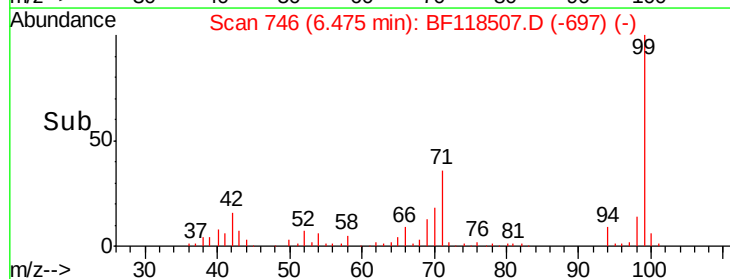
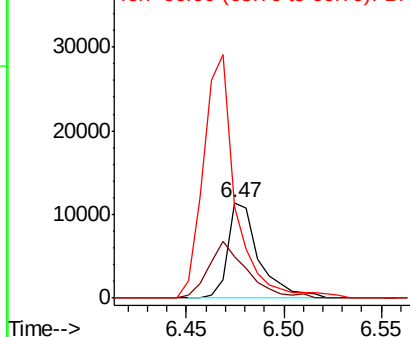
Lab File: BF118507.D

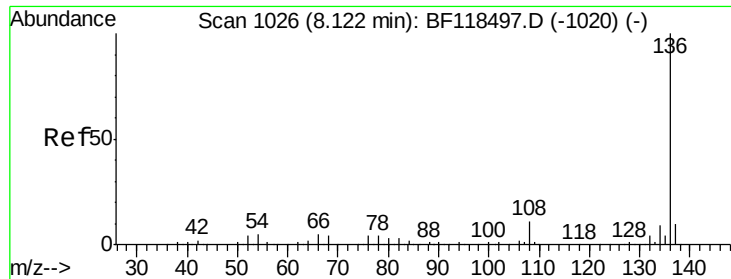
Acq: 8 Jan 2020 19:21

Tgt Ion:	94	Resp:	12611
Ion Ratio	Lower	Upper	
94	100		
65	43.5	13.3	53.3
66	95.2	30.9	70.9#



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





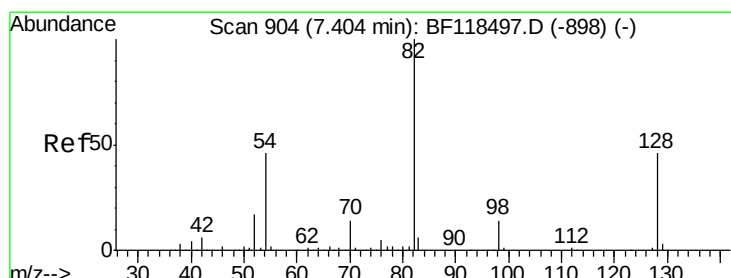
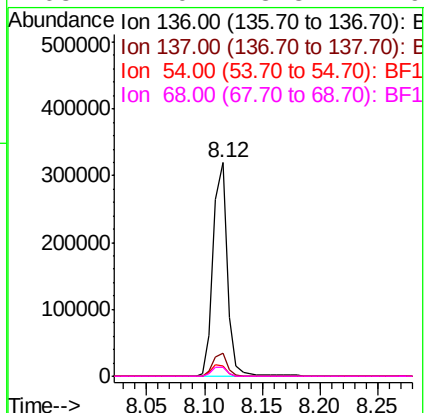
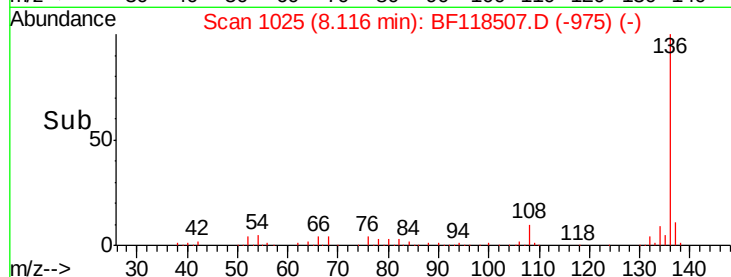
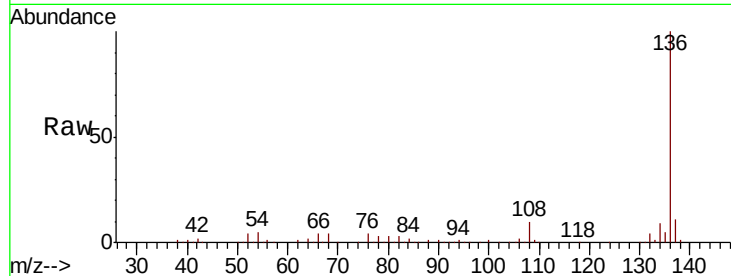
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100	273502		
137	10.5		8.3	12.5
54	4.9		4.2	6.2
68	4.0		3.3	4.9

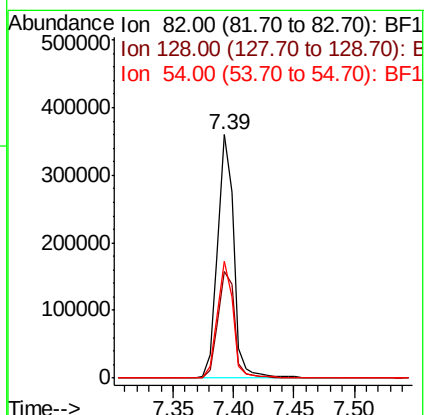
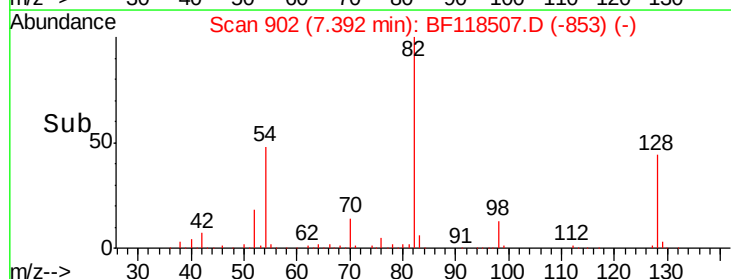
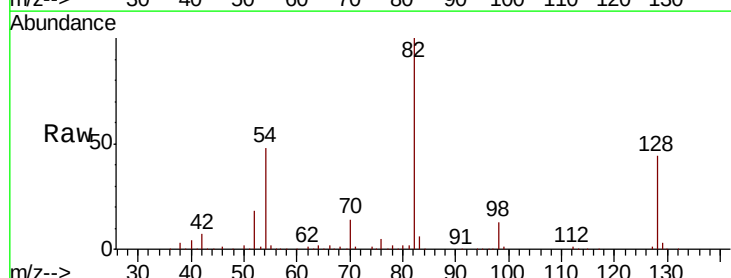
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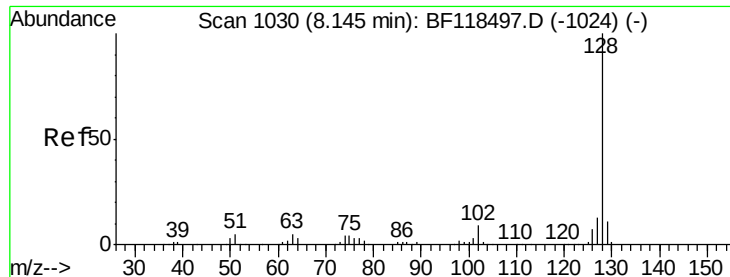
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#23
Nitrobenzene-d5
Concen: 63.554 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	330892		
128	43.8		36.6	54.8
54	48.0		37.0	55.6





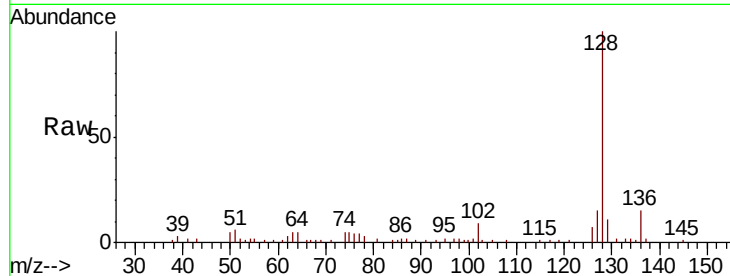
#31
Naphthalene
Concen: 2.377 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	14.9	10.7	16.1

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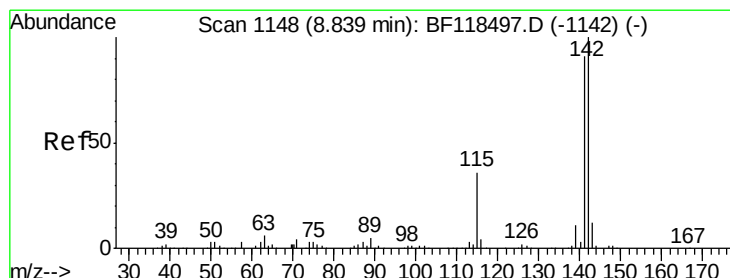
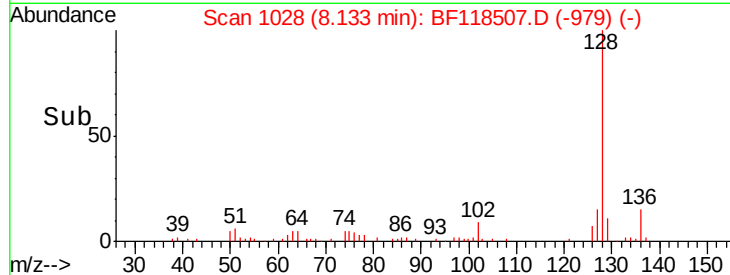
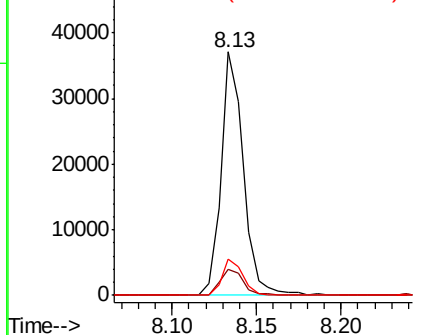


Abundance

Ion 128.00 (127.70 to 128.70): E

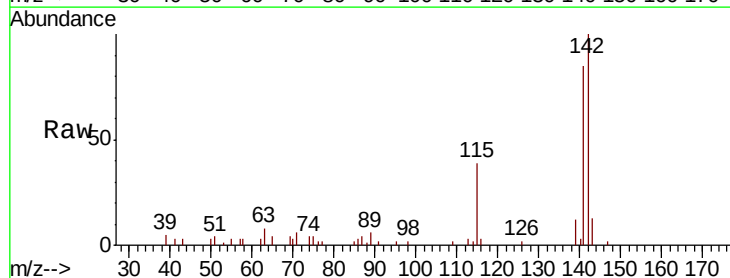
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37
2-Methylnaphthalene
Concen: 2.055 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.4	73.0	109.6
115	38.7	28.4	42.6

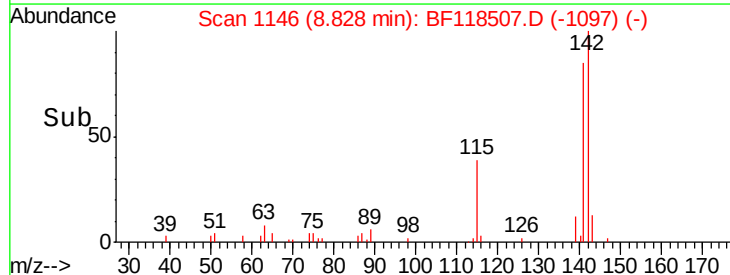
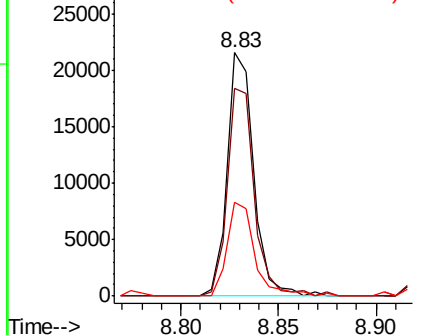


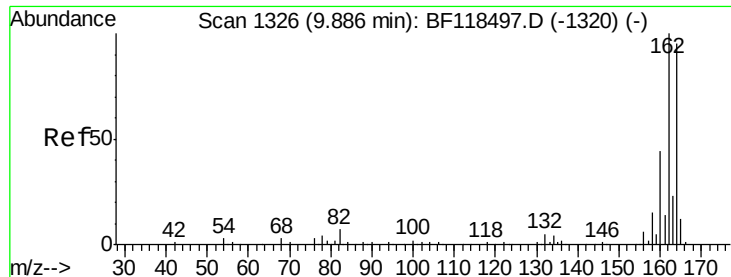
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





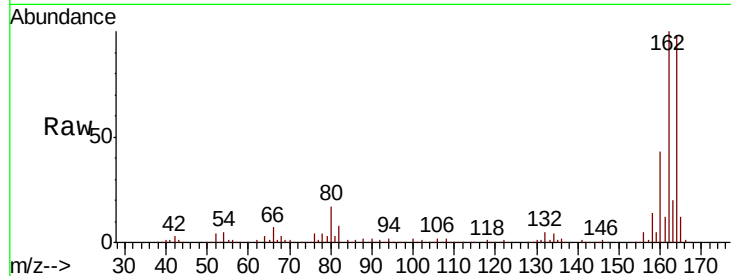
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.7	84.2	126.4	
160	44.2	36.8	55.2	

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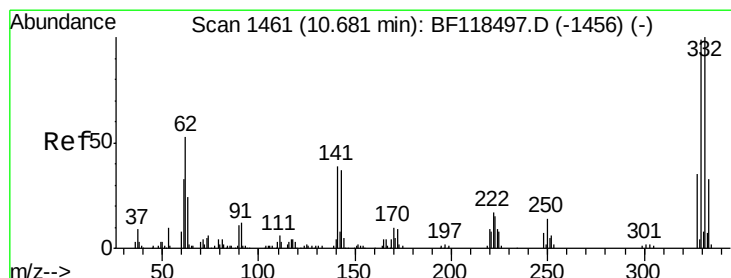
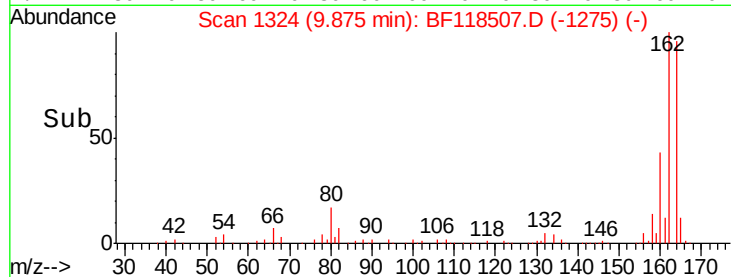
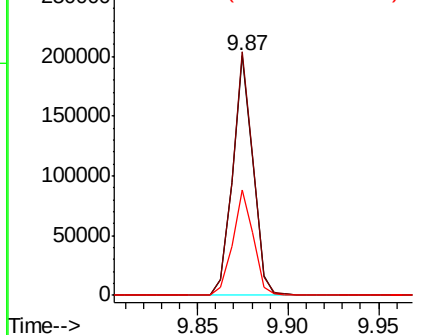


Abundance

Ion 164.00 (163.70 to 164.70): E

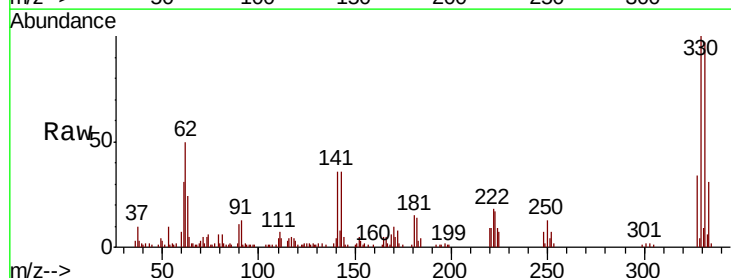
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 24.837 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.5	77.9	116.9	
141	42.9	28.6	43.0	

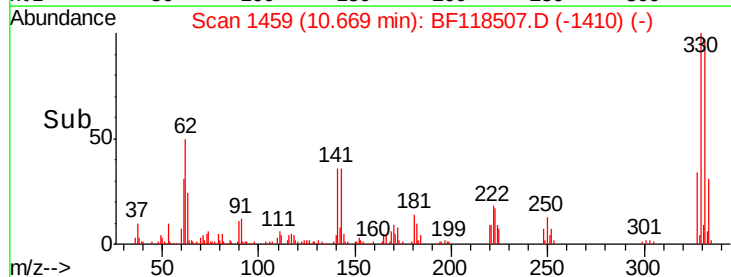
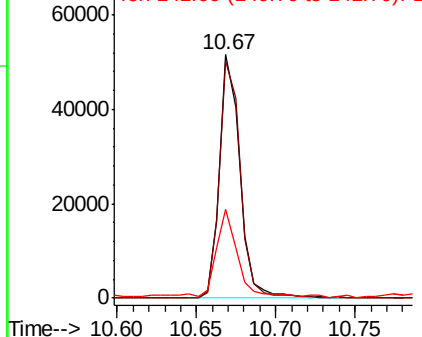


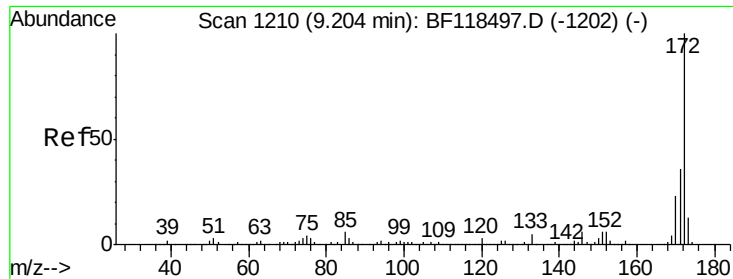
Abundance

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





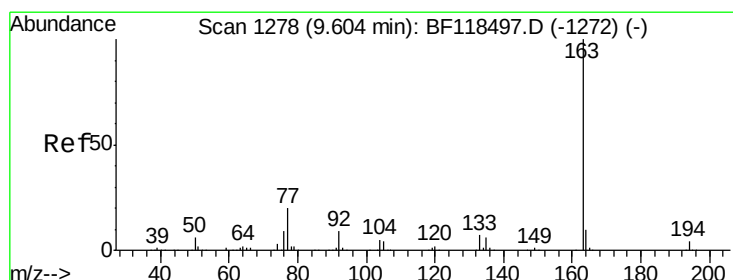
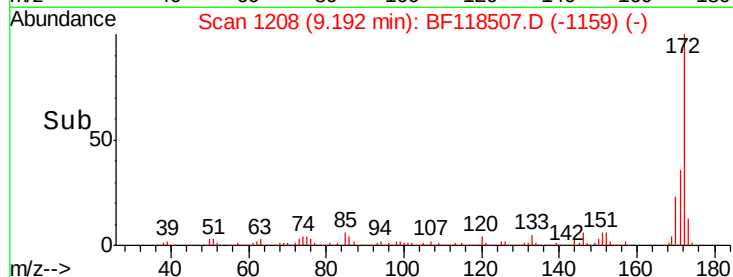
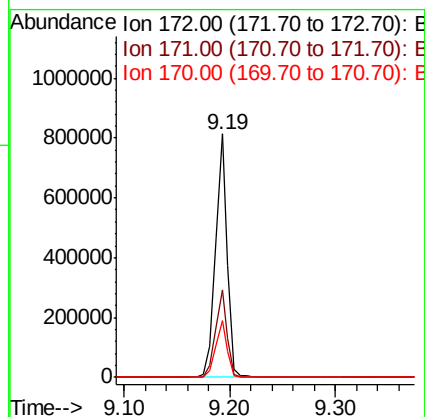
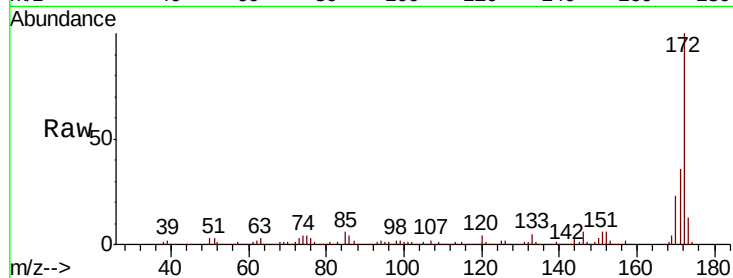
#45
2-Fluorobiphenyl
Concen: 58.453 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.3	18.6	27.8

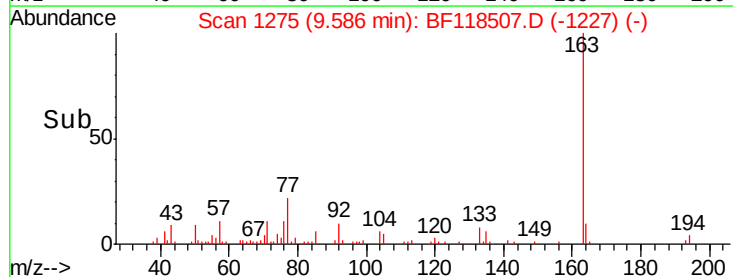
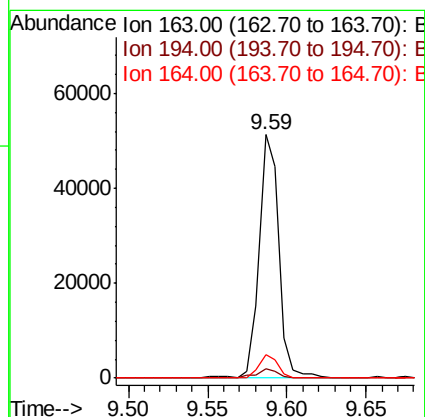
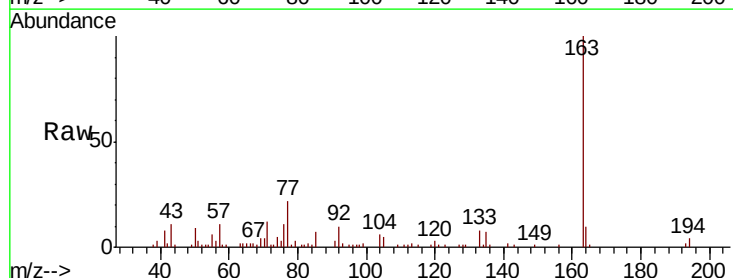
Manual Integrations
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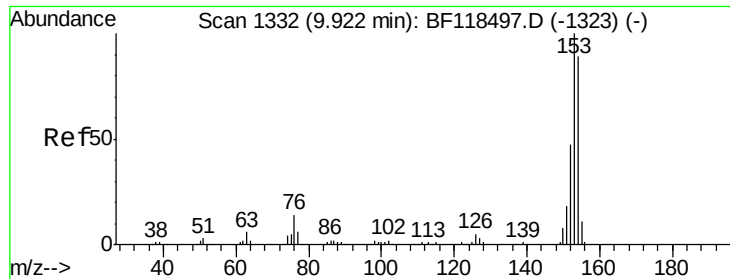
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#50
Dimethylphthalate
Concen: 3.690 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	9.7	8.1	12.1





#52

Acenaphthene

Concen: 2.075 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118507.D

Acq: 8 Jan 2020 19:21

Instrument :

BNA_F

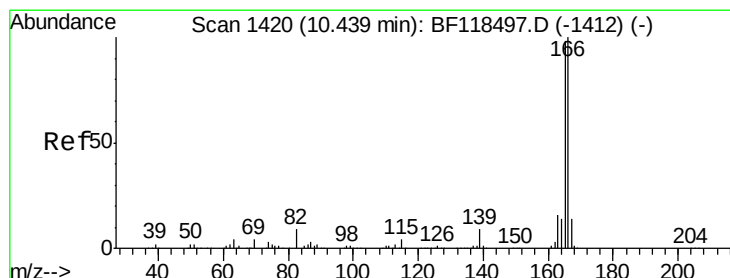
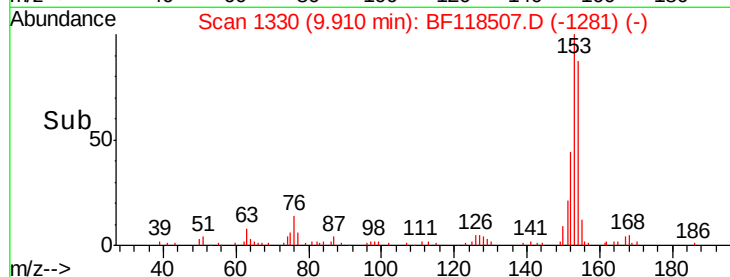
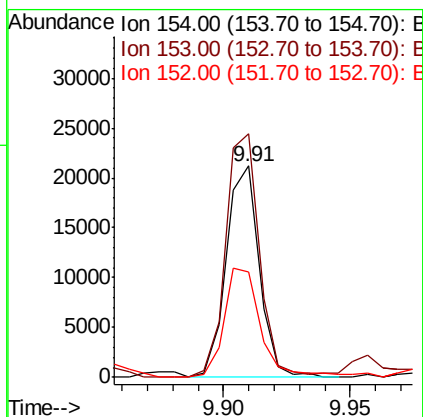
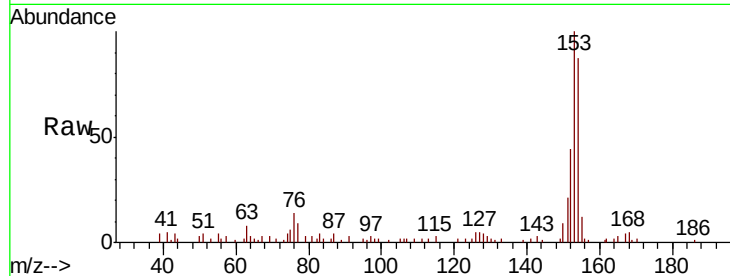
ClientSampleId :

TP-2

Tot Ion:	154	Resp:	19178
Ion Ratio	Lower	Upper	
154	100		
153	115.3	89.7	134.5
152	50.2	41.9	62.9

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#58

Fluorene

Concen: 2.094 ng

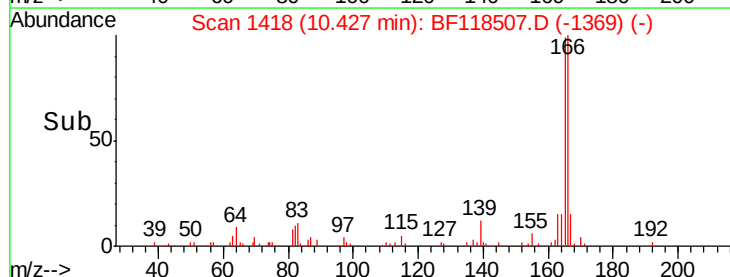
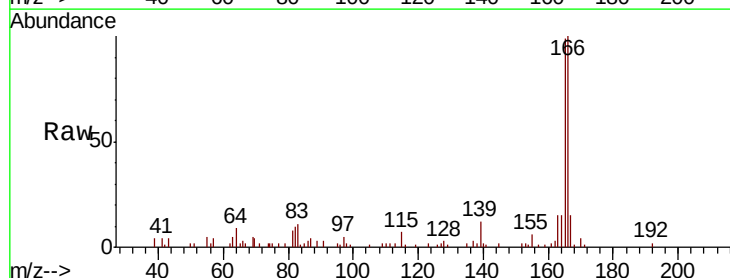
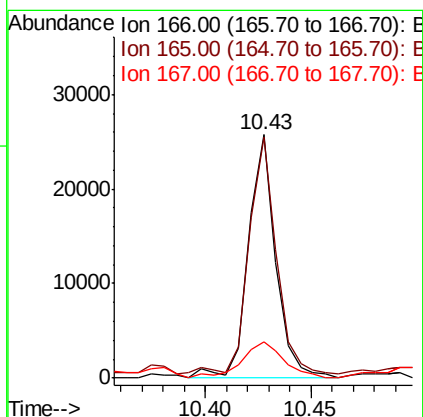
RT: 10.43 min Scan# 1418

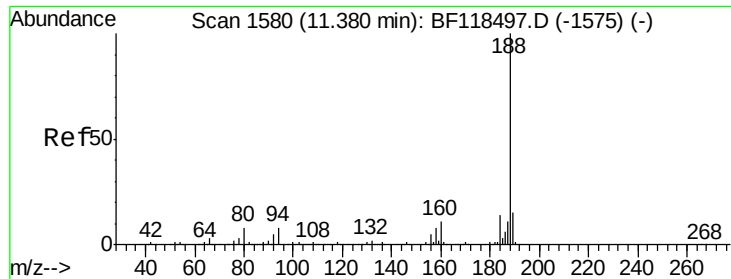
Delta R.T. -0.01 min

Lab File: BF118507.D

Acq: 8 Jan 2020 19:21

Tgt Ion:	166	Resp:	23367
Ion Ratio	Lower	Upper	
166	100		
165	98.9	78.6	117.8
167	15.0	10.8	16.2





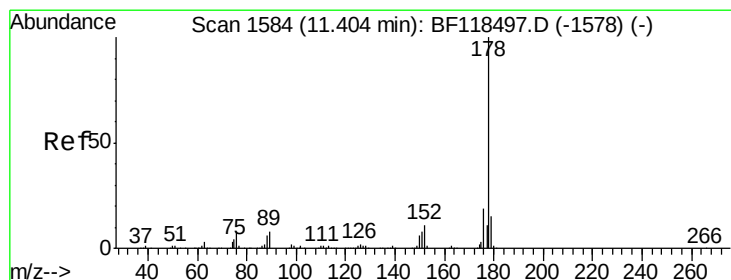
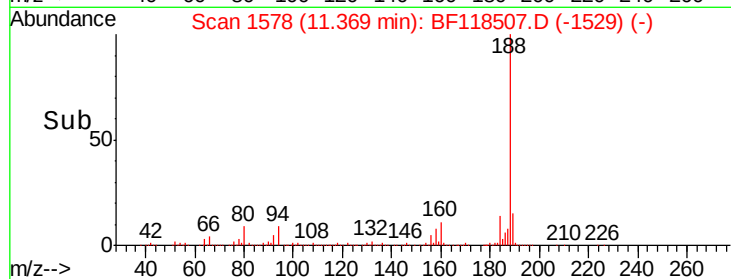
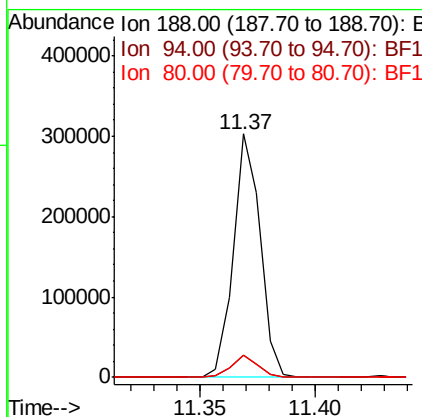
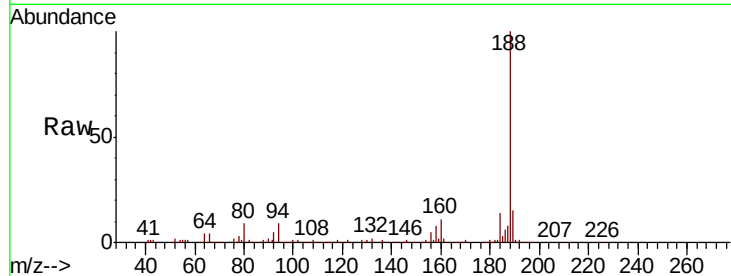
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion:188	Resp: 246180
Ion Ratio	Lower Upper
188 100	
94 9.0	6.2 9.4
80 9.4	6.6 10.0

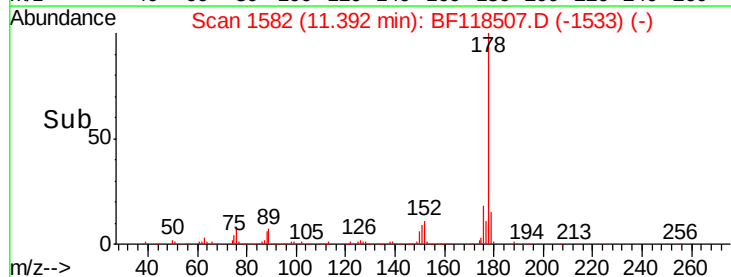
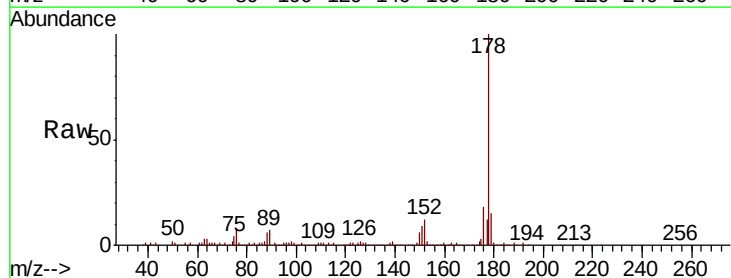
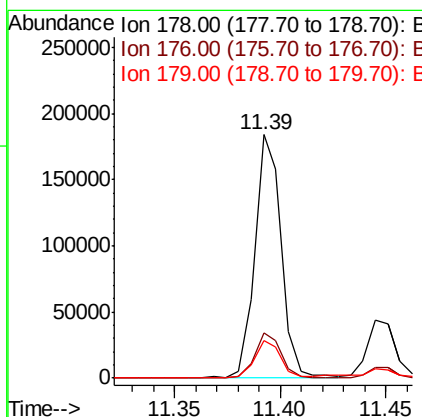
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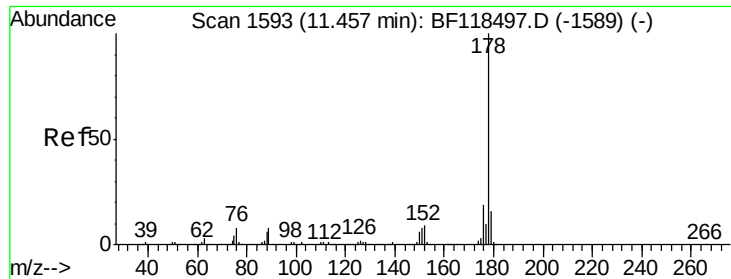
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#71
Phenanthrene
Concen: 11.598 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Tgt Ion:178	Resp: 159950
Ion Ratio	Lower Upper
178 100	
176 18.4	15.2 22.8
179 15.4	12.3 18.5





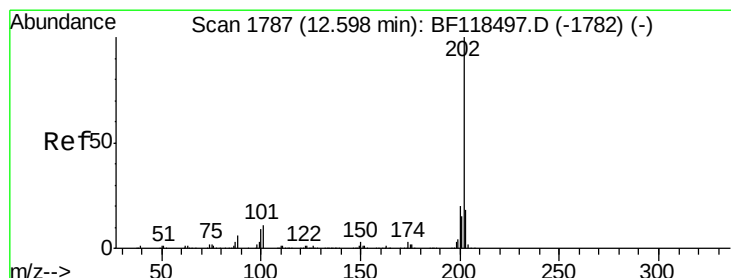
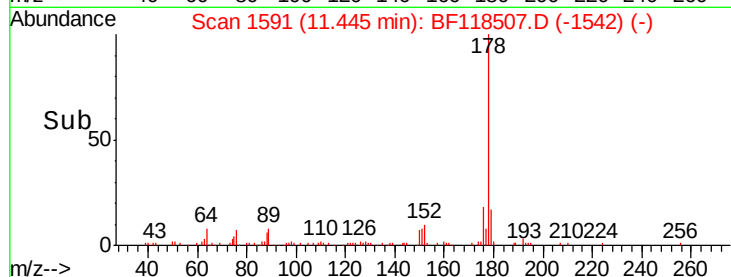
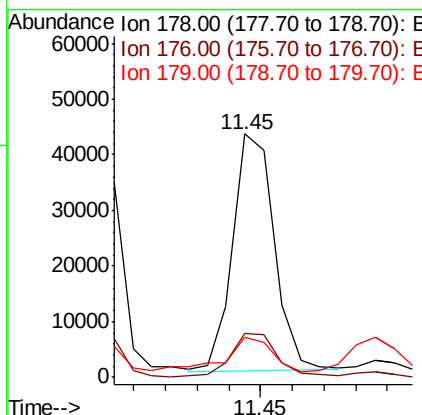
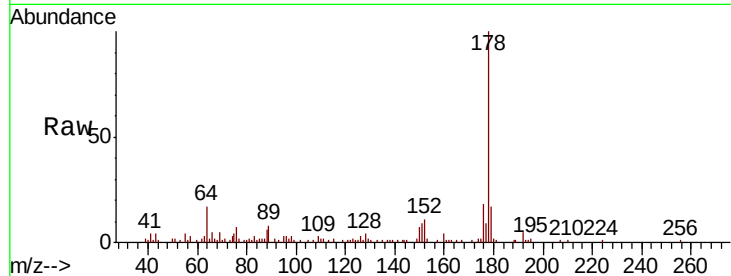
#72
 Anthracene
 Concen: 2.817 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF118507.D
 Acq: 8 Jan 2020 19:21

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.0	22.4
179	16.6	12.6	19.0

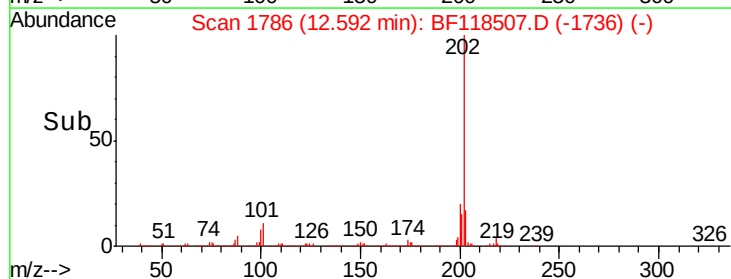
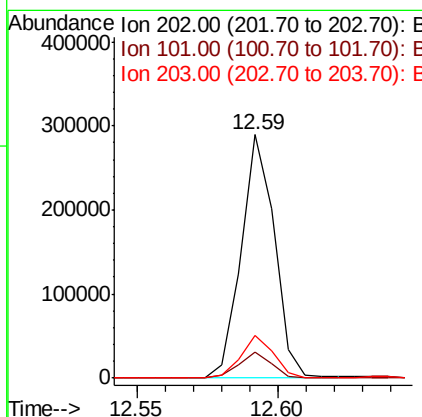
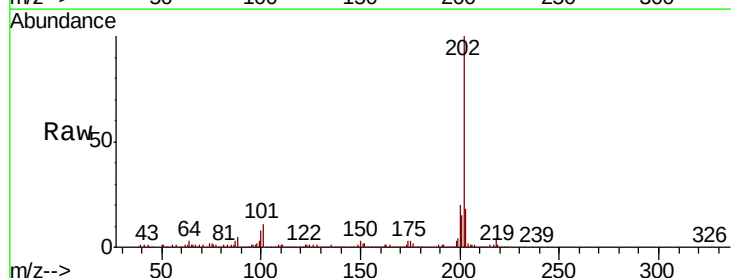
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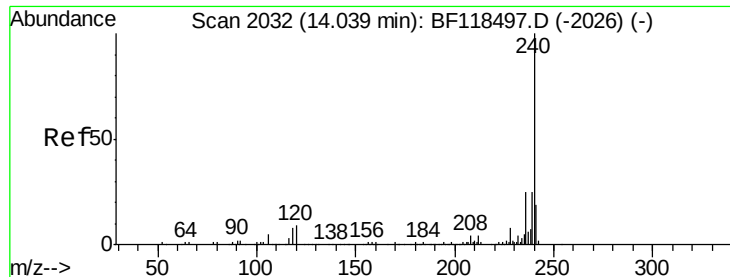
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#75
 Fluoranthene
 Concen: 16.940 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BF118507.D
 Acq: 8 Jan 2020 19:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.4
203	17.5	0.0	38.1





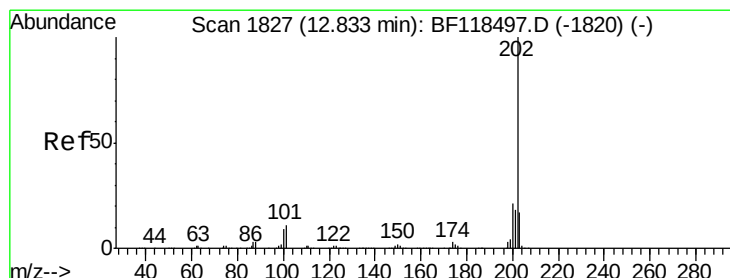
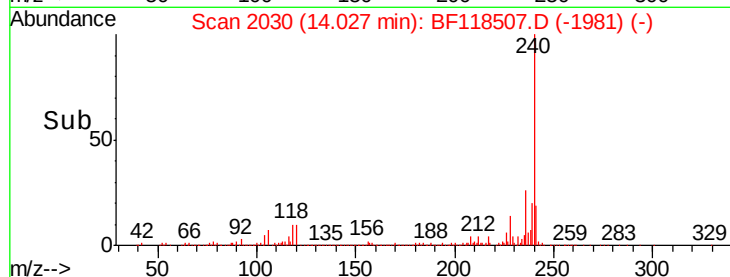
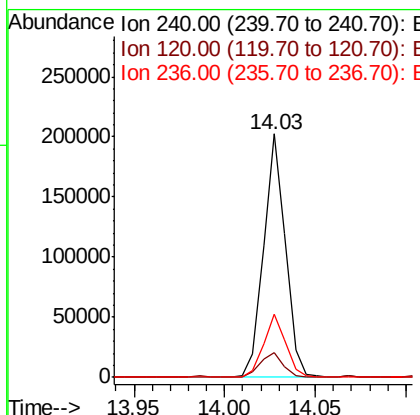
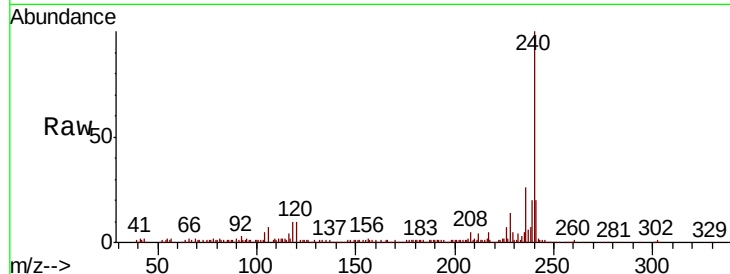
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.0	10.6
236	25.9	20.1	30.1

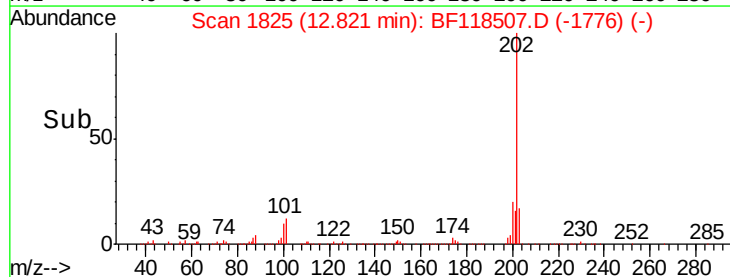
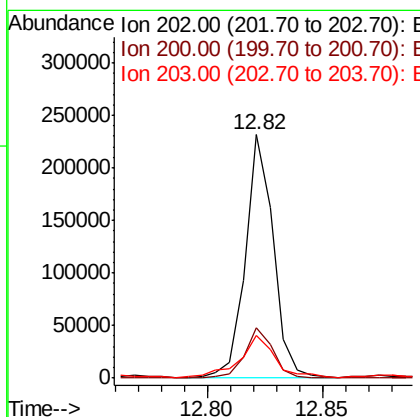
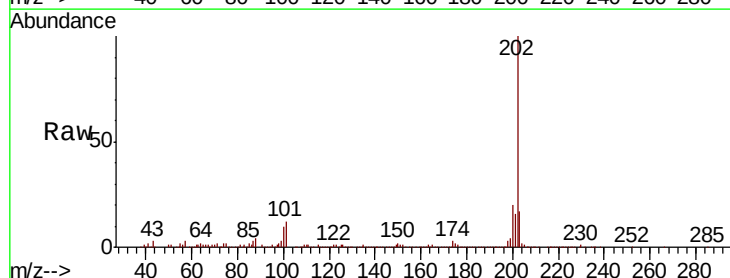
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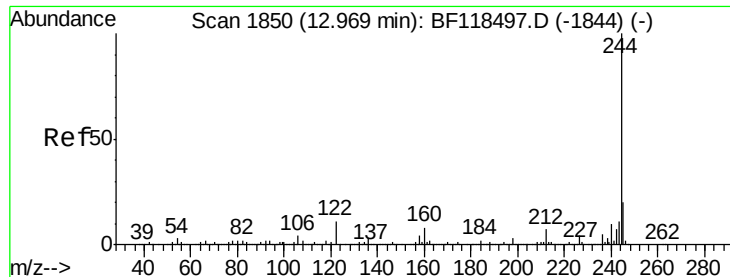
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#78
Pyrene
Concen: 13.874 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.9	25.3
203	17.3	13.9	20.9





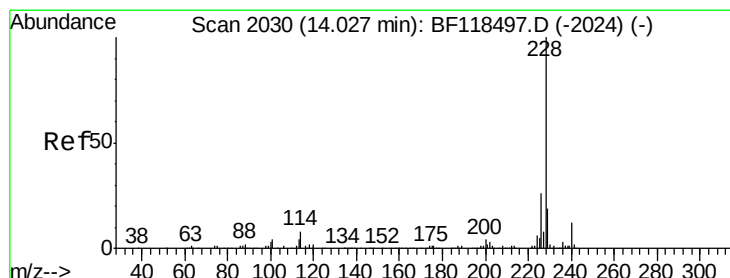
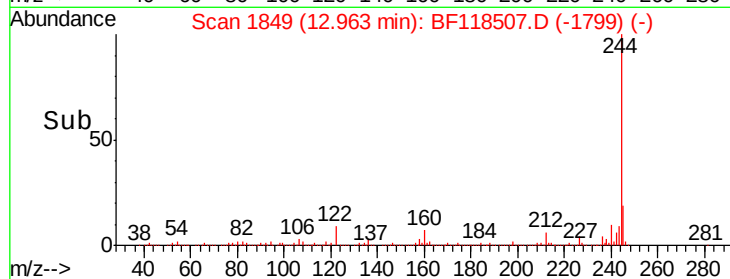
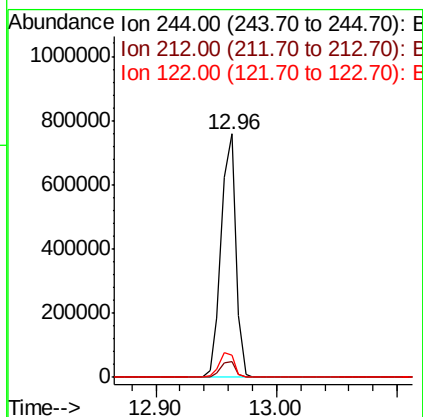
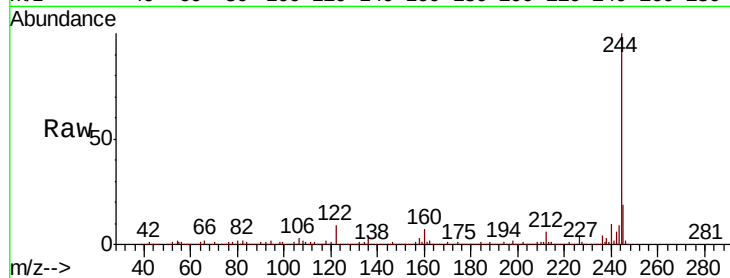
#79
 Terphenyl-d14
 Concen: 59.272 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF118507.D
 Acq: 8 Jan 2020 19:21

Instrument :
 BNA_F
 ClientSampled :
 TP-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	9.0	9.0	13.6

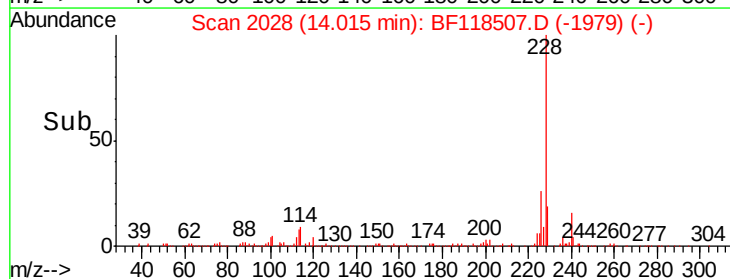
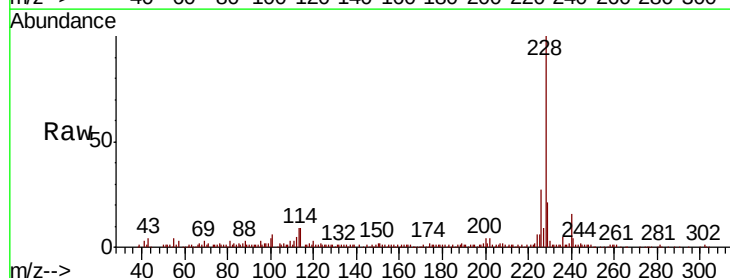
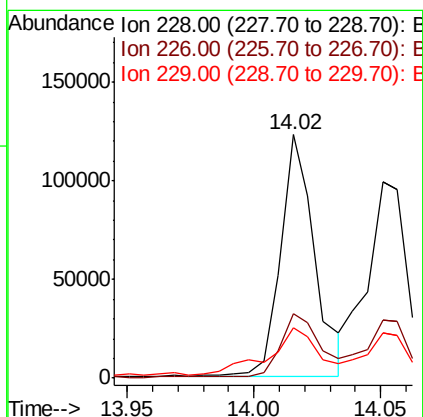
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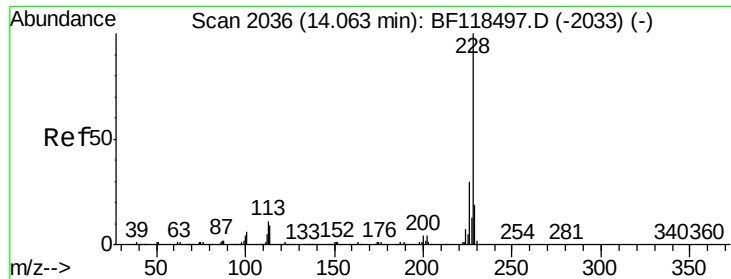
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#81
 Benzo(a)anthracene
 Concen: 9.601 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF118507.D
 Acq: 8 Jan 2020 19:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	20.7	31.1
229	20.8	15.4	23.2





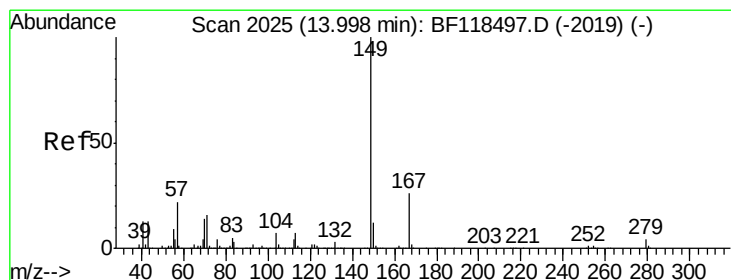
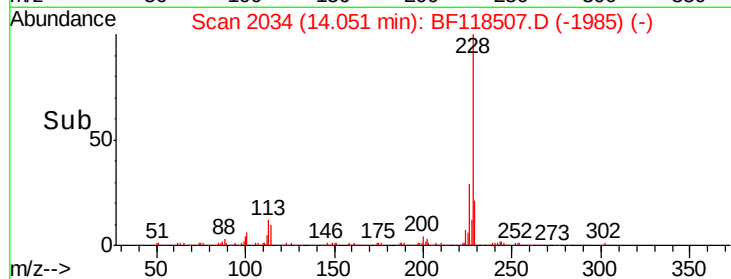
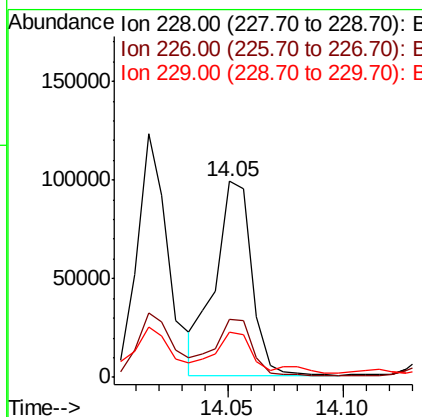
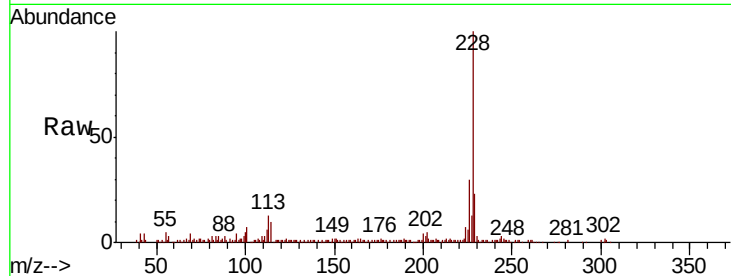
#83
Chrysene
Concen: 9.341 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.6	35.4
229	23.1	15.6	23.4

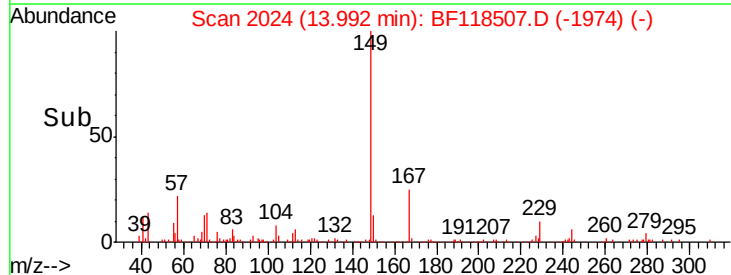
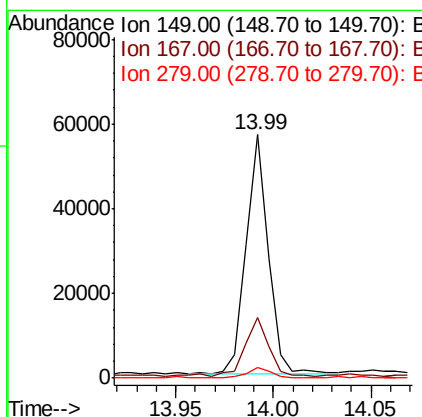
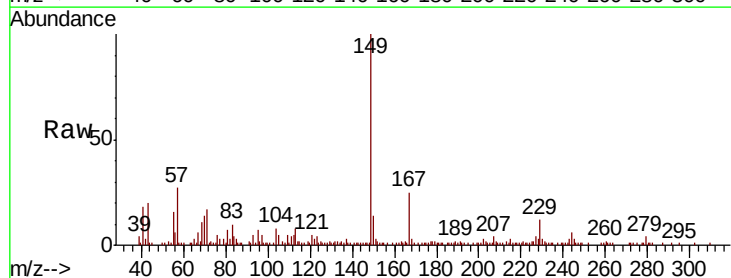
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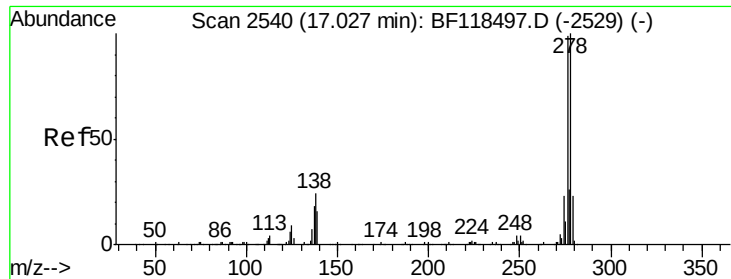
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#84
Bis(2-ethylhexyl)phthalate
Concen: 5.115 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.6	30.8
279	4.2	3.1	4.7





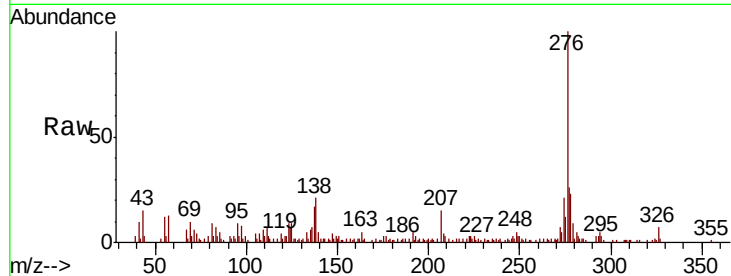
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.751 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	19.0	28.4
277	25.5	20.5	30.7

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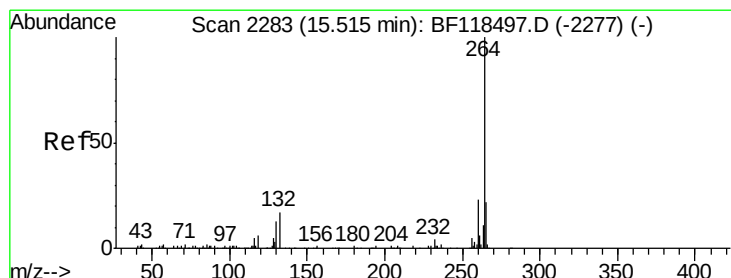
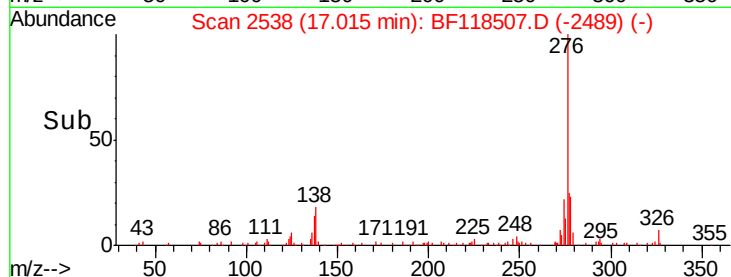
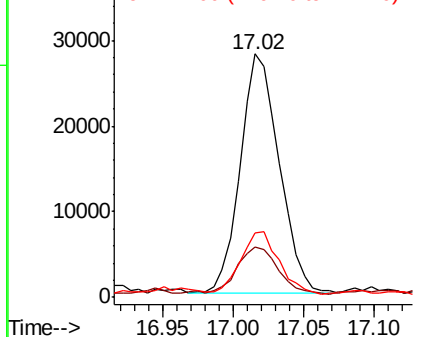


Abundance

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: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

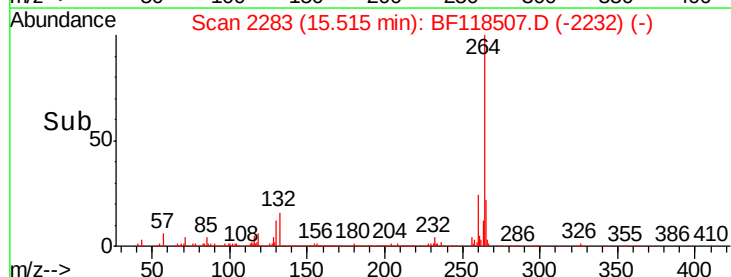
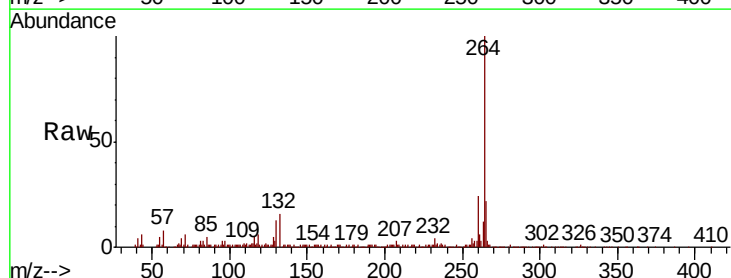
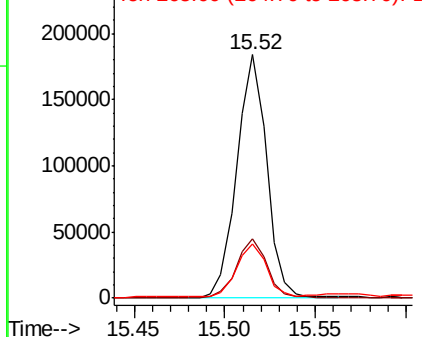
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	22.4	17.5	26.3

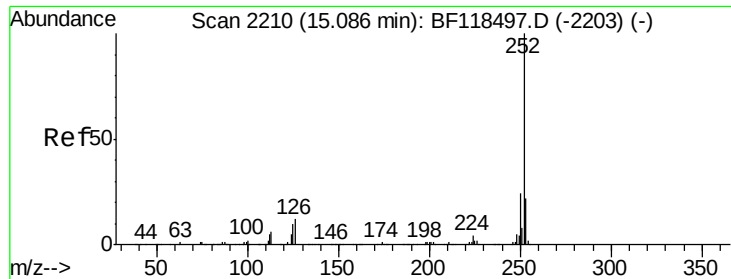
Abundance

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





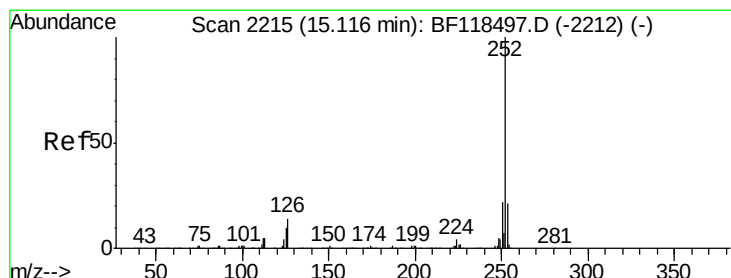
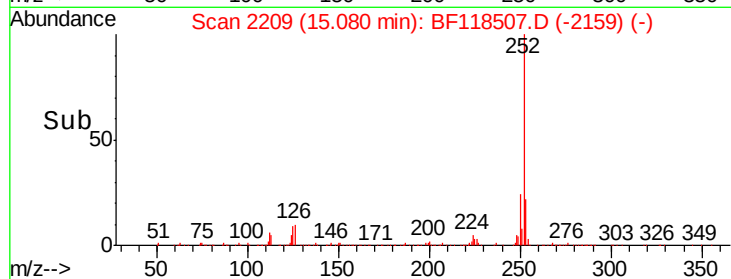
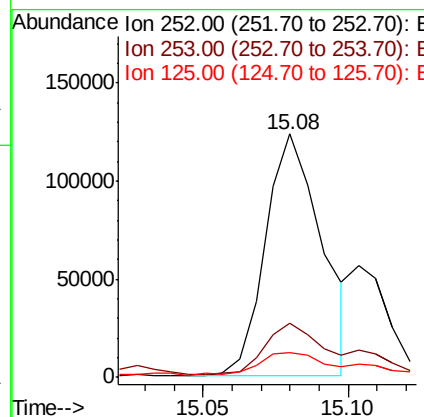
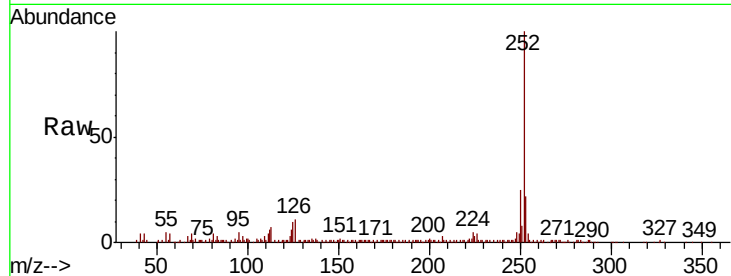
#88
Benzo(b)fluoranthene
Concen: 10.969 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.2	7.8	11.6

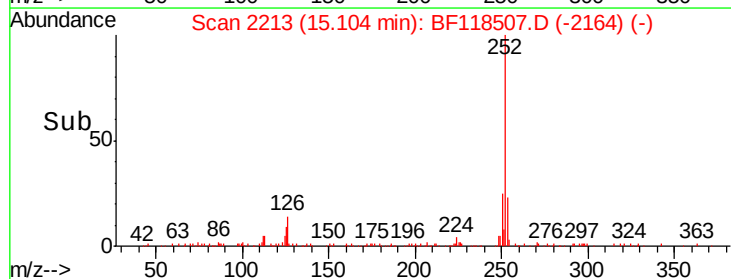
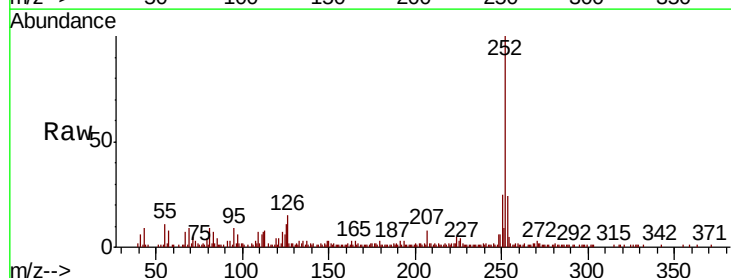
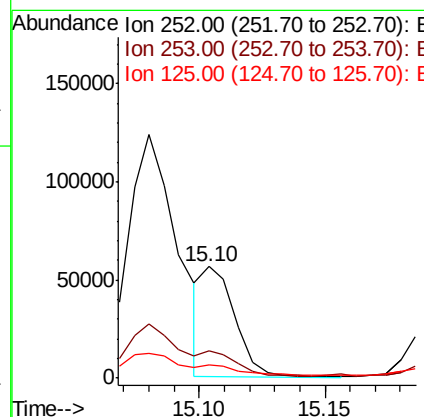
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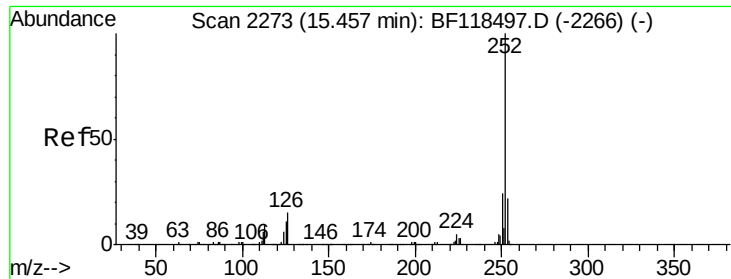
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#89
Benzo(k)fluoranthene
Concen: 3.475 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.4
125	11.3	7.8	11.6





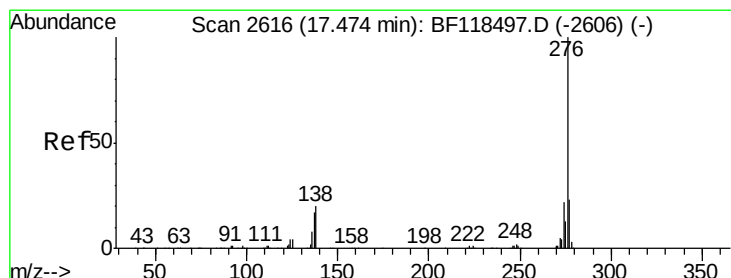
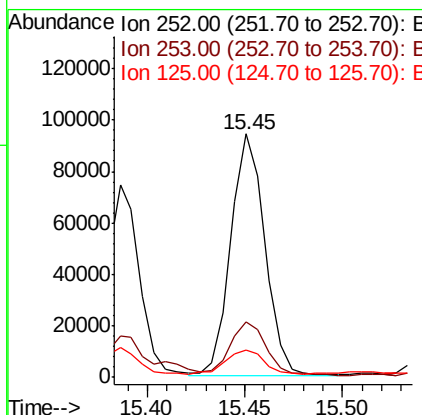
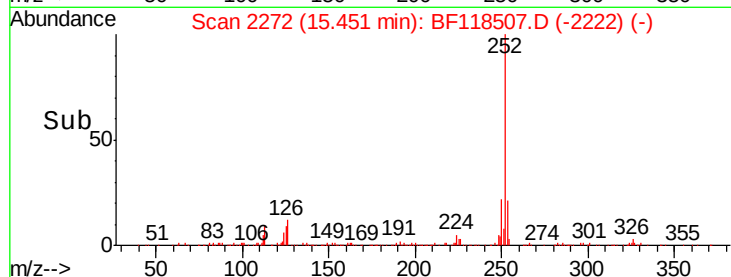
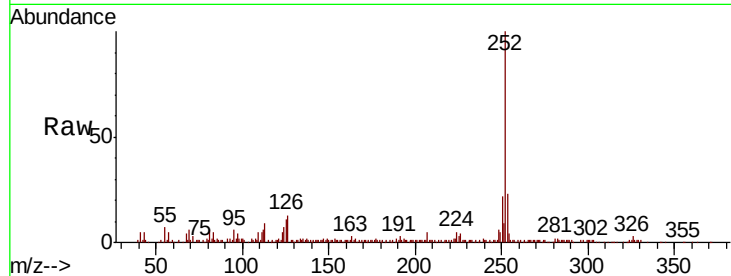
#90
Benzo(a)pyrene
Concen: 9.037 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	11.2	9.0	13.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.142 ng
RT: 17.47 min Scan# 2616
Delta R.T. -0.00 min
Lab File: BF118507.D
Acq: 8 Jan 2020 19:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.2	27.4
138	17.8	16.3	24.5

