

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
 Data File : BF118539.D
 Acq On : 13 Jan 2020 19:13
 Operator : JU
 Sample : L1084-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AF-1

Manual Integrations
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 1/14/2020 2:31:43 PM

Quant Time: Jan 14 12:28:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 11:02:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	66197	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	209662	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	138043	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	232669	20.00	ng	0.00
76) Chrysene-d12	14.00	240	251439	20.00	ng	-0.01
87) Perylene-d12	15.49	264	274277	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	42199	10.52	ng	0.00
7) Phenol-d6	6.46	99	72613	15.15	ng	0.00
23) Nitrobenzene-d5	7.38	82	28028	7.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	19399	11.91	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	111091	11.54	ng	-0.01
79) Terphenyl-d14	12.94	244	84305	5.31	ng	0.00
Target Compounds						
71) Phenanthrene	11.37	178	70066	5.376	ng	99
75) Fluoranthene	12.57	202	112944	8.526	ng	98
78) Pyrene	12.80	202	128675	6.220	ng	98
81) Benzo(a)anthracene	13.99	228	142276	8.084	ng	99
83) Chrysene	14.03	228	145404	8.502	ng	99
86) Indeno(1,2,3-cd)pyrene	16.97	276	80559	5.851	ng	96
88) Benzo(b)fluoranthene	15.05	252	224661m	11.329	ng	
89) Benzo(k)fluoranthene	15.07	252	78273m	4.135	ng	
90) Benzo(a)pyrene	15.42	252	144288	8.879	ng	97
92) Benzo(g,h,i)perylene	17.43	276	79008	5.472	ng	96

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

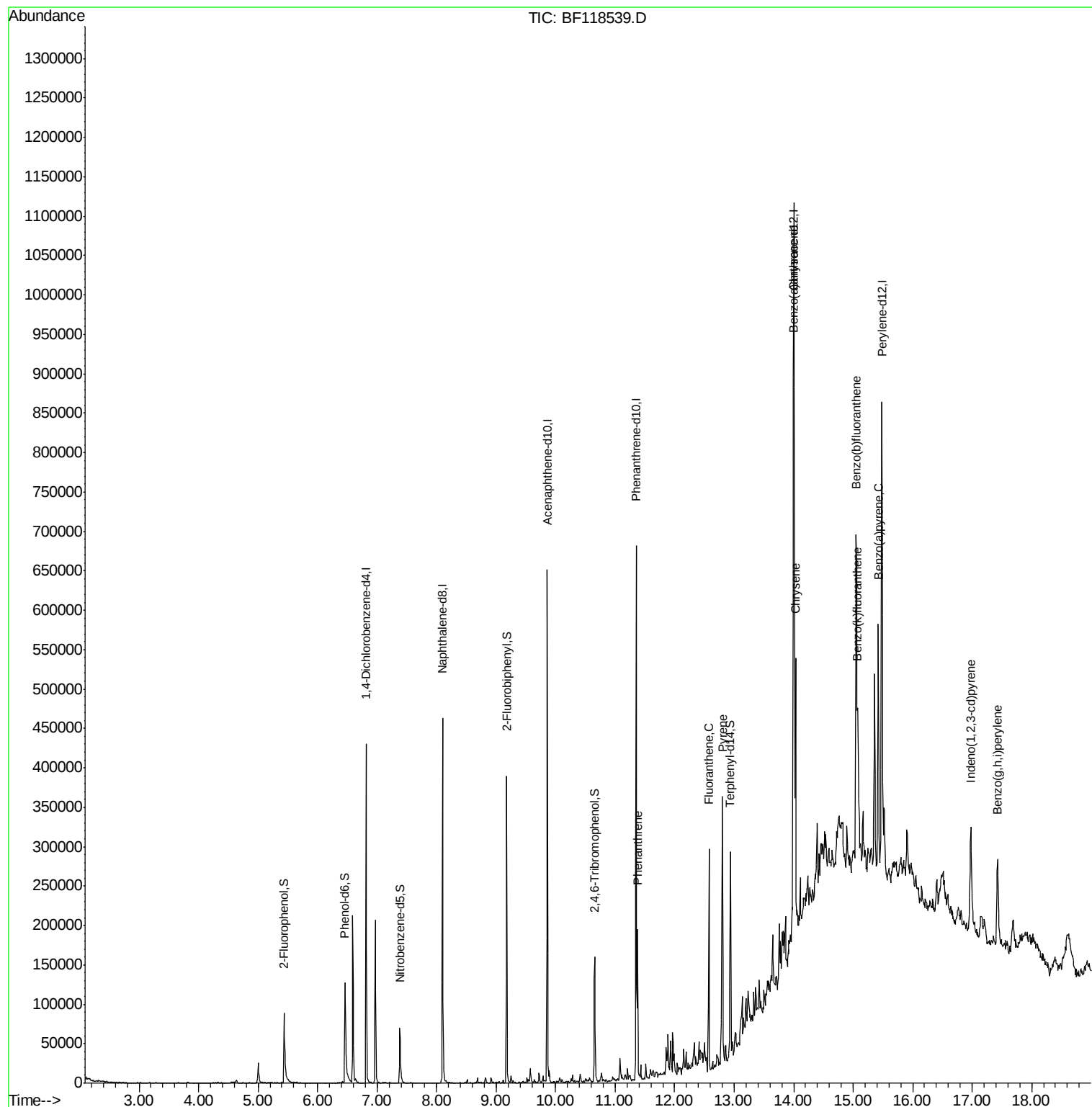
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118539.D
Acq On : 13 Jan 2020 19:13
Operator : JU
Sample : L1084-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

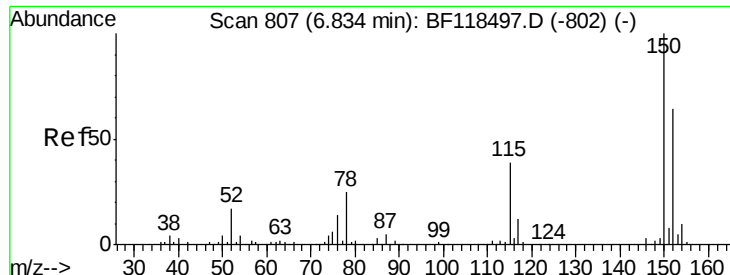
Instrument :
BNA_F
ClientSampled :
AF-1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
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QLast Update : Tue Jan 14 11:02:16 2020
Response via : Initial Calibration





#1

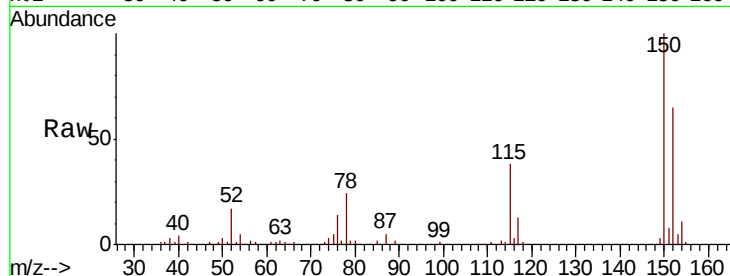
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Instrument :
BNA_F
ClientSampled :
AF-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	125.4	188.0
115	58.3	53.2	79.8

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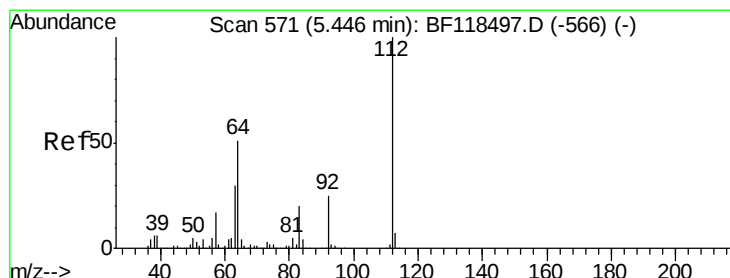
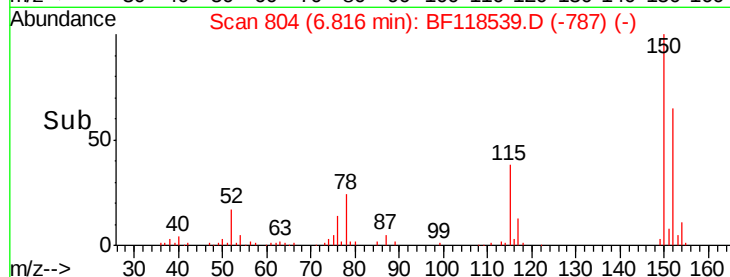
Abundance

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

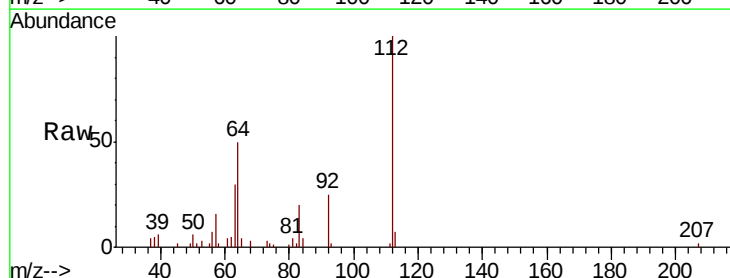
Time-->



#5

2-Fluorophenol
Concen: 10.523 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.3	43.4	65.0
63	29.7	25.5	38.3



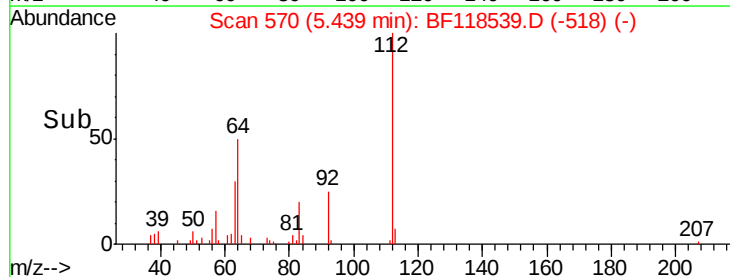
Abundance

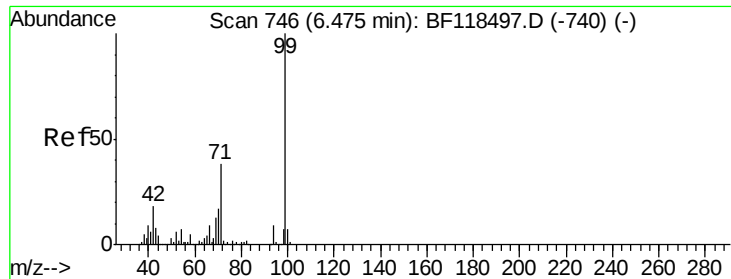
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 15.146 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF118539.D

Acq: 13 Jan 2020 19:13

Instrument :

BNA_F

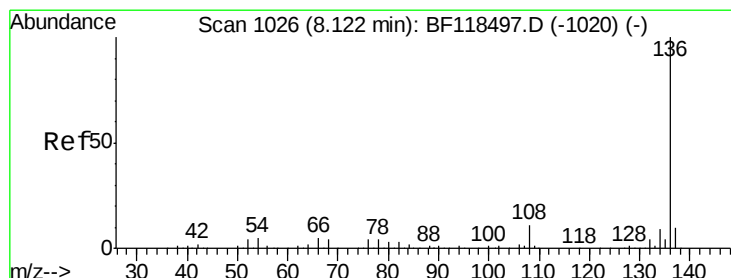
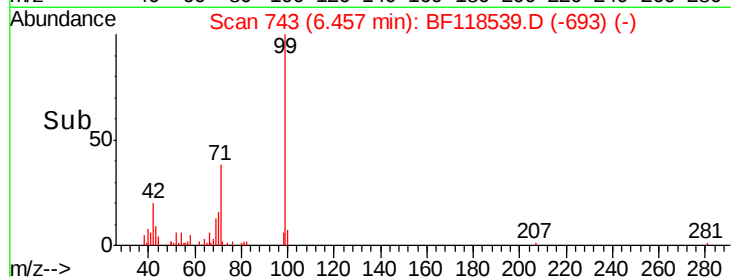
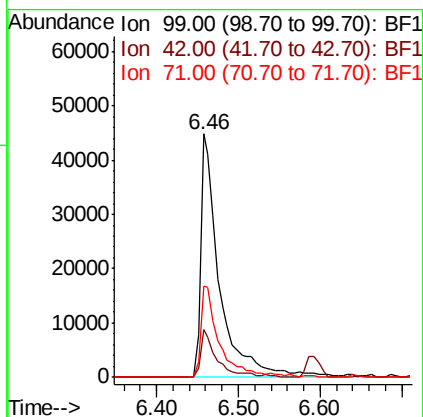
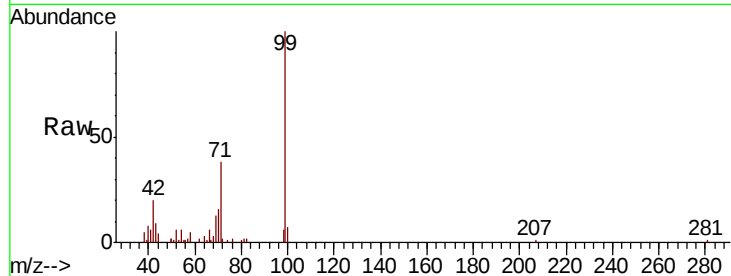
ClientSampleId :

AF-1

Tot Ion:	99	Resp:	72613
Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.0	22.4
71	37.6	31.4	47.0

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#21

Naphthalene-d8

Concen: 20.000 ng

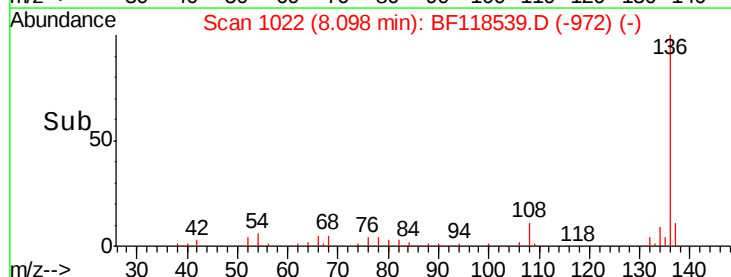
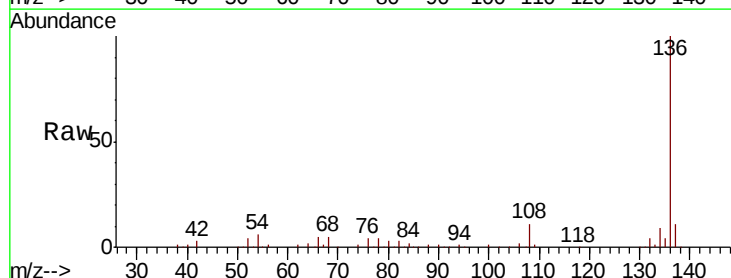
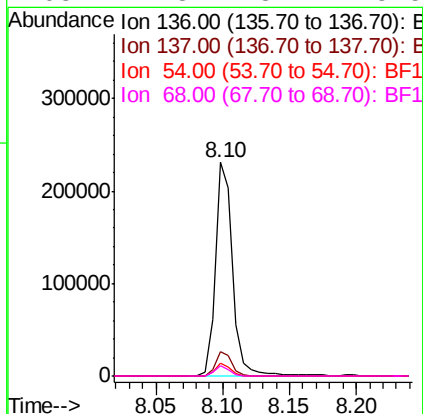
RT: 8.10 min Scan# 1022

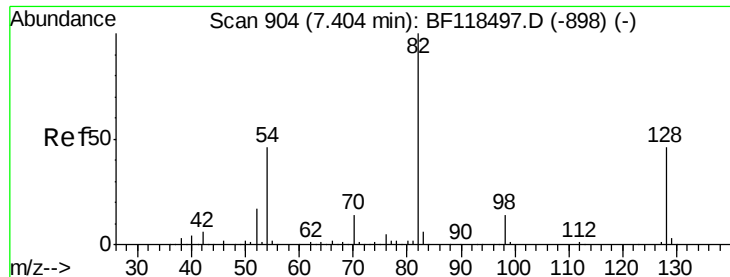
Delta R.T. -0.01 min

Lab File: BF118539.D

Acq: 13 Jan 2020 19:13

Tgt Ion:	136	Resp:	209662
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	6.1	4.8	7.2
68	4.8	3.7	5.5





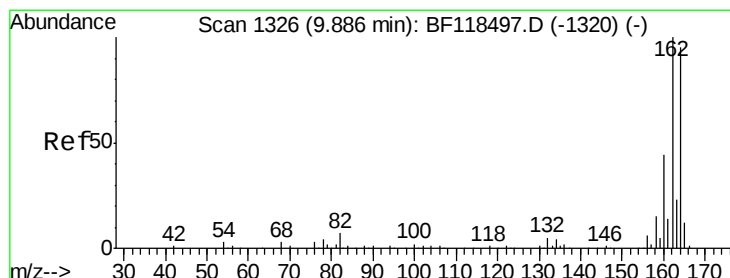
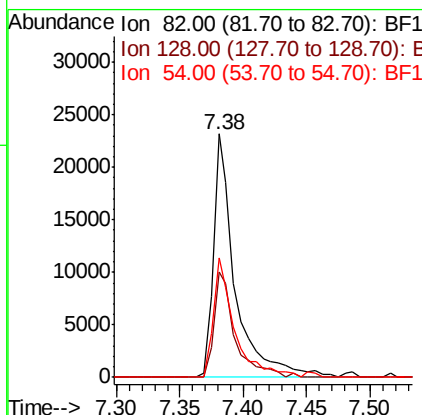
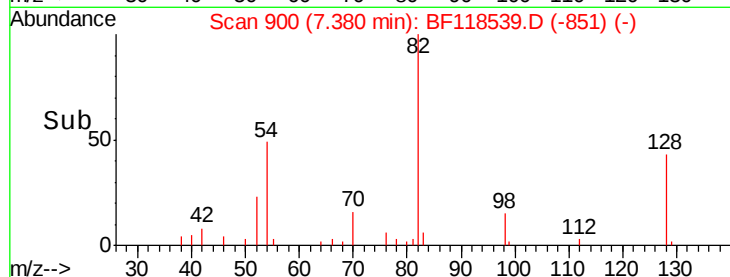
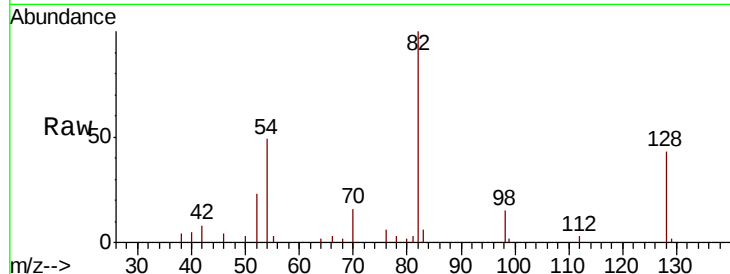
#23
Nitrobenzene-d5
Concen: 7.022 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Instrument :
BNA_F
ClientSampled :
AF-1

Tot Ion	82	Resp	28028
Ion Ratio	100	Lower	Upper
128	43.4	36.6	54.8
54	49.0	38.2	57.2

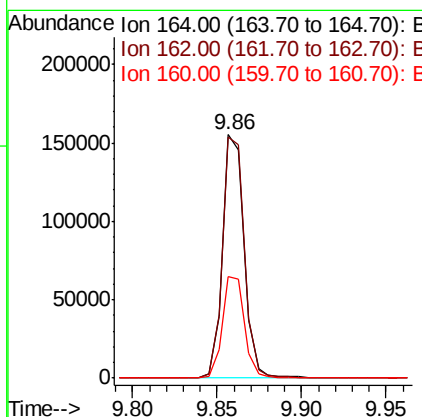
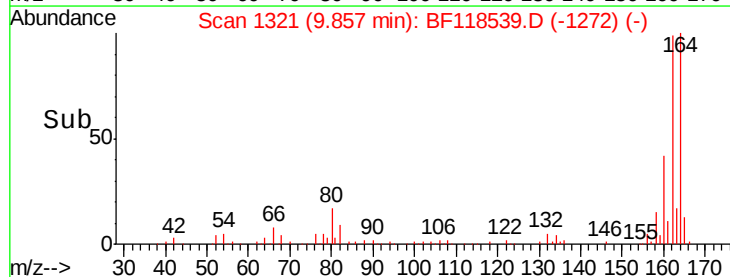
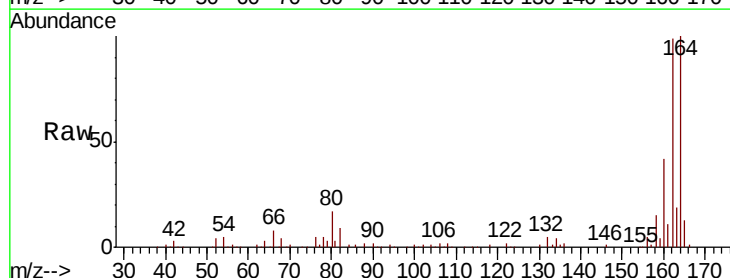
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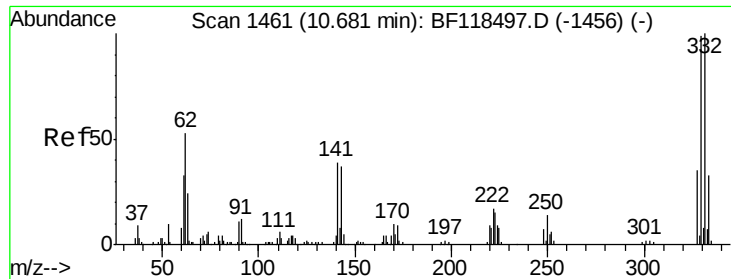
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Tgt Ion	164	Resp	138043
Ion Ratio	100	Lower	Upper
162	99.1	82.3	123.5
160	41.9	35.3	52.9





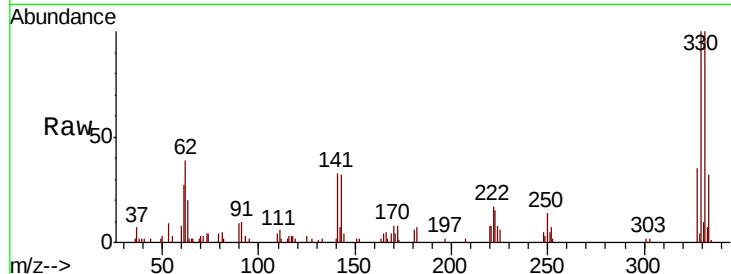
#42
 2,4,6-Tribromophenol
 Concen: 11.909 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF118539.D
 Acq: 13 Jan 2020 19:13

Instrument :
 BNA_F
 ClientSampled :
 AF-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.2	75.5	113.3
141	38.4	27.8	41.6

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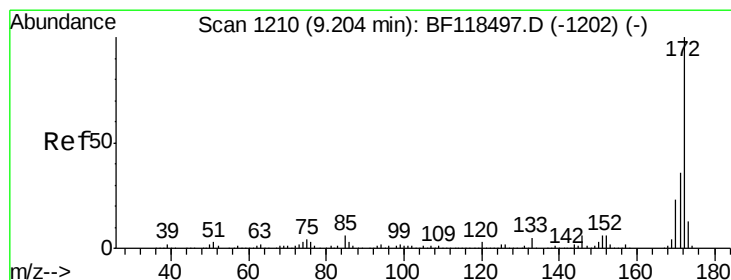
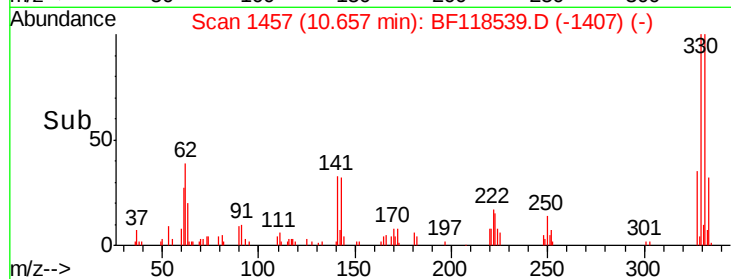
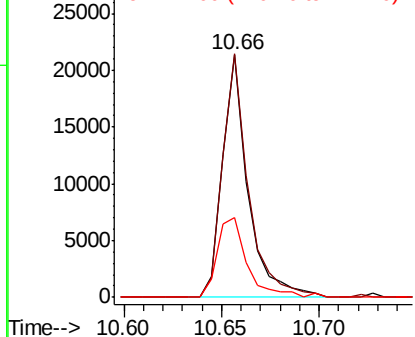


Abundance

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: 11.542 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF118539.D
 Acq: 13 Jan 2020 19:13

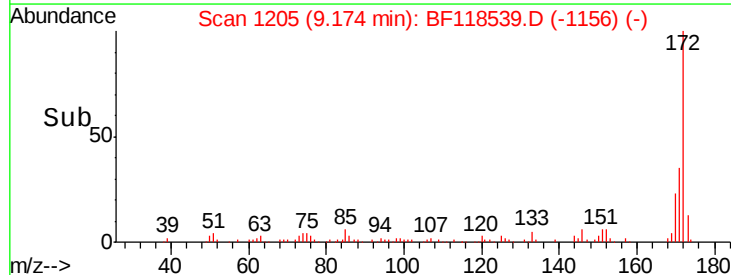
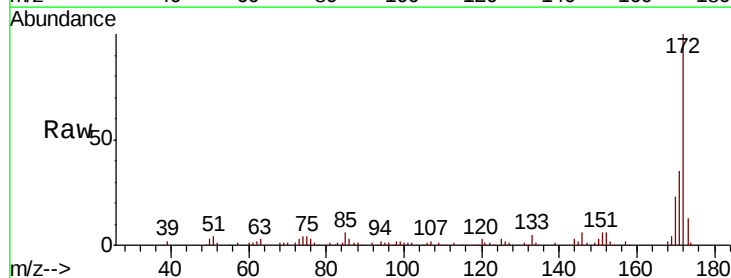
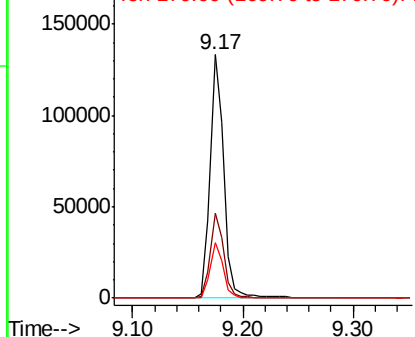
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.3	42.5
170	22.7	19.0	28.4

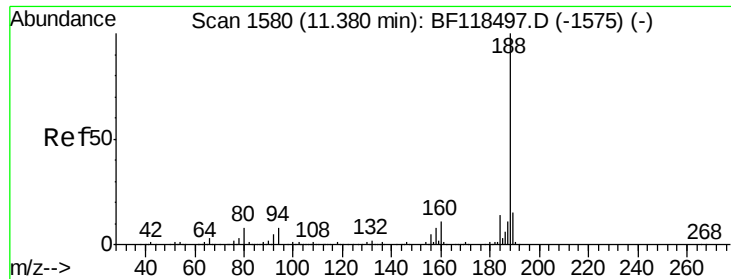
Abundance

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





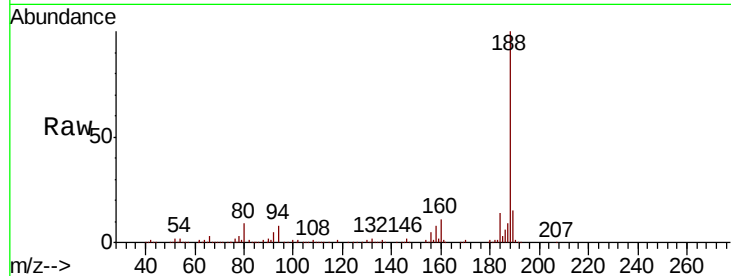
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Instrument :
BNA_F
ClientSampleId :
AF-1

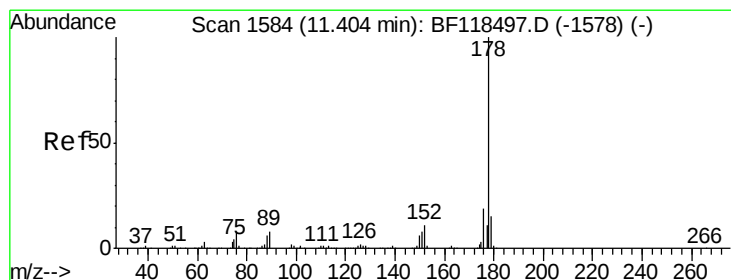
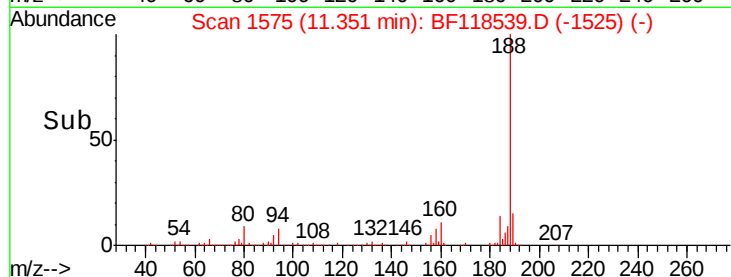
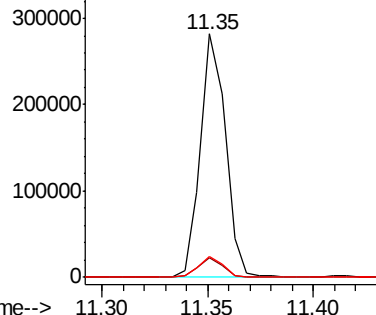
Tot Ion:	188	Resp:	232669
Ion Ratio	Lower	Upper	
188	100		
94	8.1	6.3	9.5
80	8.5	6.8	10.2

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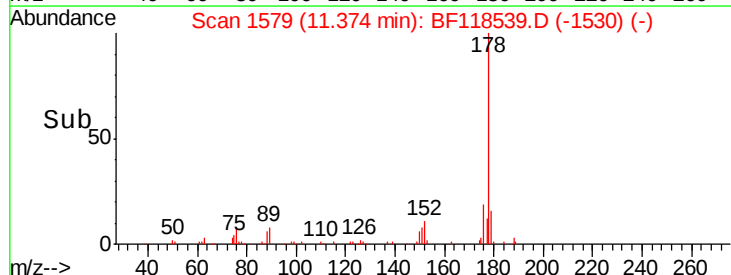
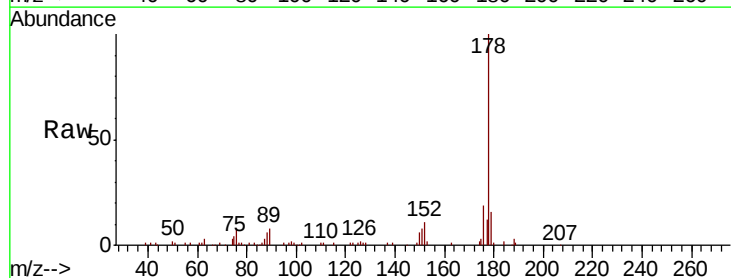
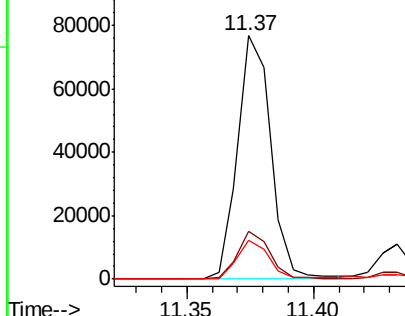
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

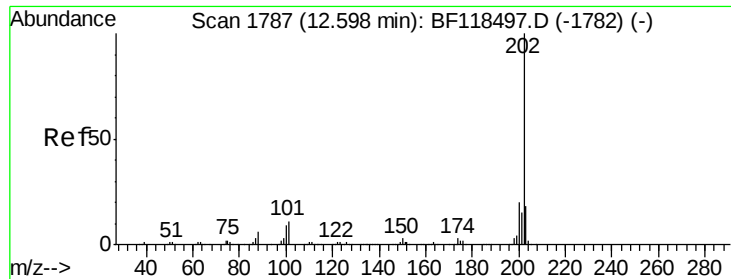


#71
Phenanthrene
Concen: 5.376 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Tgt Ion:	178	Resp:	70066
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.3	22.9
179	15.7	12.2	18.2

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: 8.526 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF118539.D

Acq: 13 Jan 2020 19:13

Instrument :

BNA_F

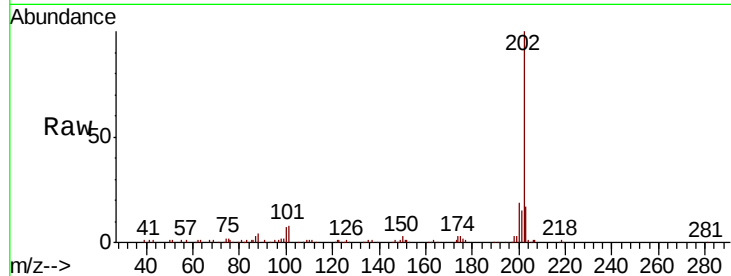
ClientSampleId :

AF-1

Tot Ion:	202	Resp:	112944
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	29.7
203	16.7	0.0	37.2

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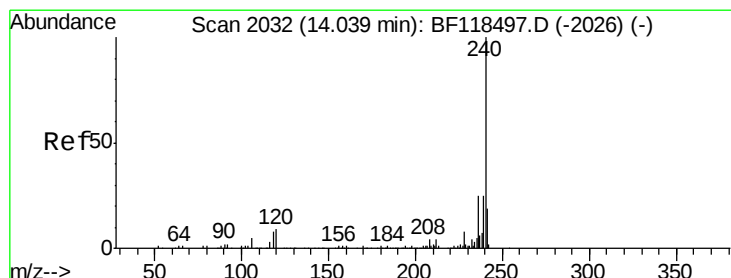
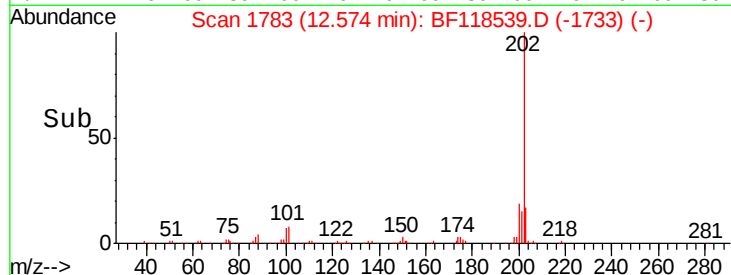
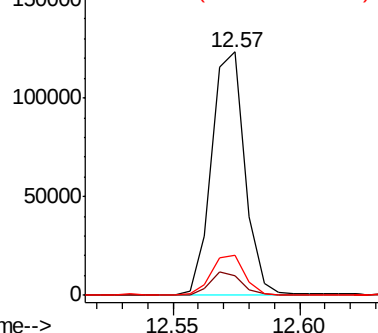


Abundance

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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF118539.D

Acq: 13 Jan 2020 19:13

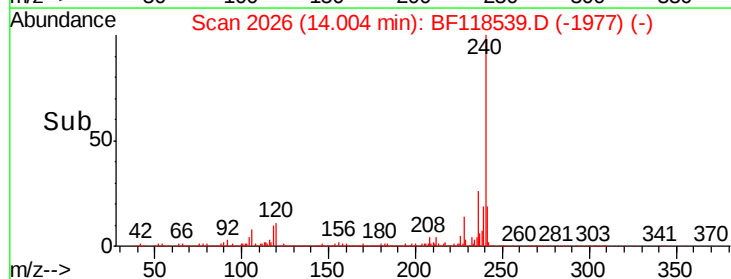
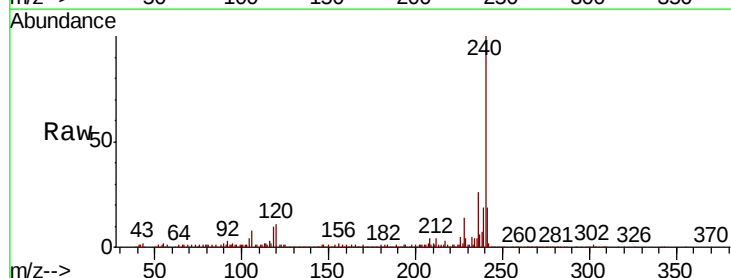
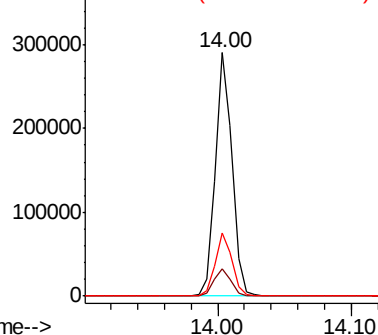
Tgt Ion:	240	Resp:	251439
Ion Ratio	Lower	Upper	
240	100		
120	11.1	6.9	10.3#
236	25.7	20.6	30.8

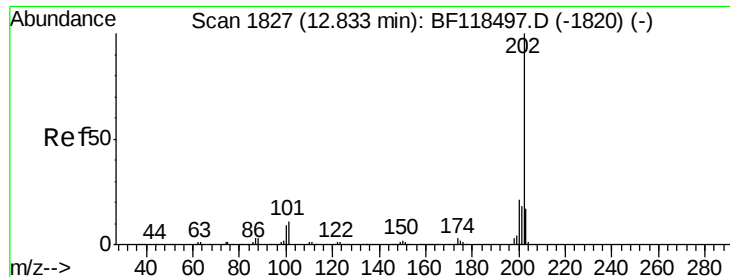
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





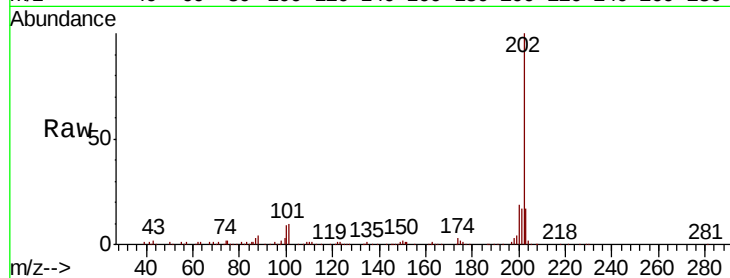
#78
Pvrene
Concen: 6.220 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Instrument :
BNA_F
ClientSampleId :
AF-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.5	17.0	25.4
203	17.0	13.8	20.8

Manual Integrations
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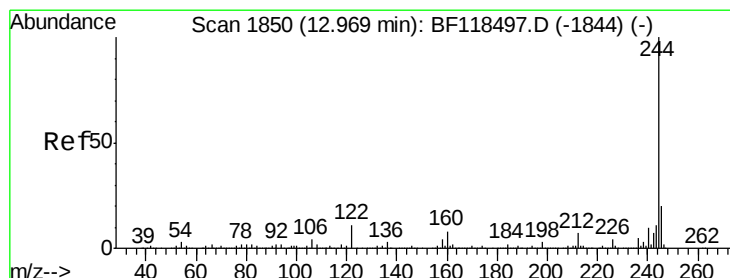
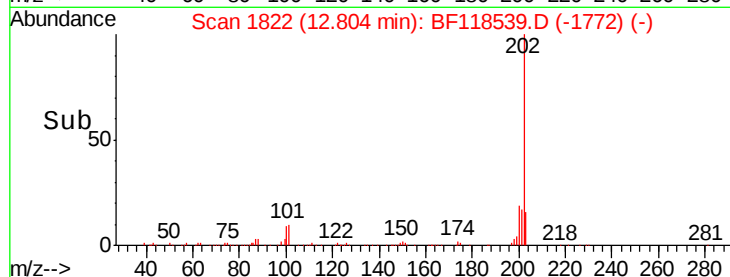
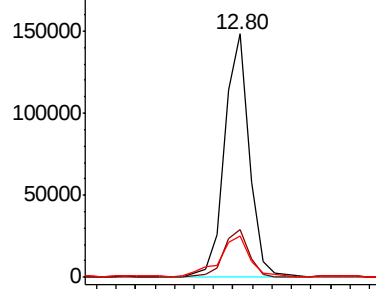


Abundance

Ion 202.00 (201.70 to 202.70): E

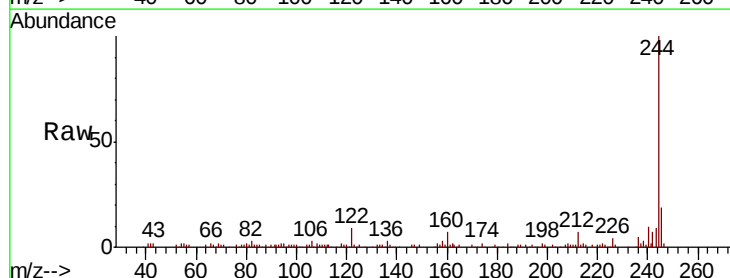
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 5.313 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.9	8.9
122	9.2	9.5	14.3#

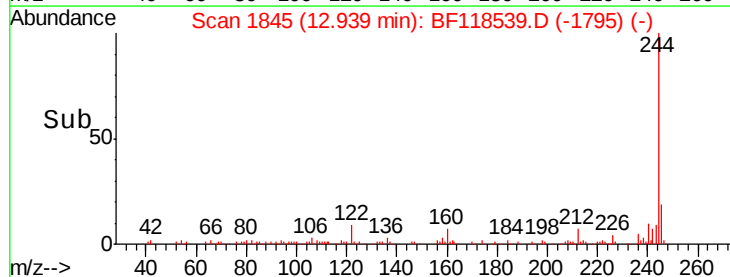
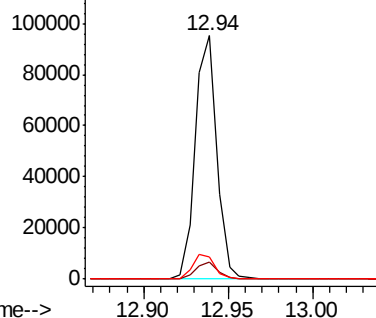


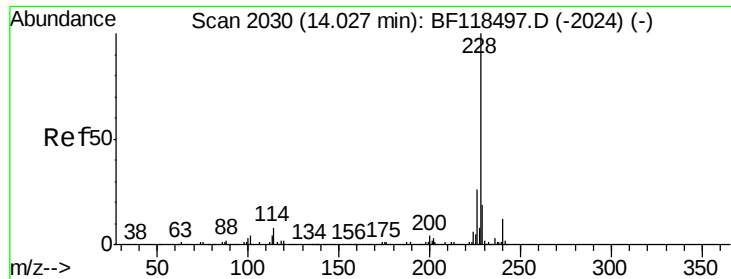
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





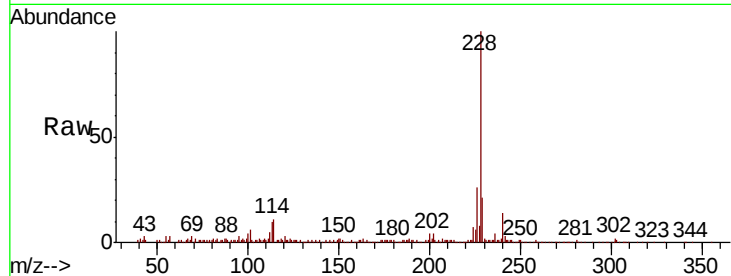
#81
Benzo(a)anthracene
Concen: 8.084 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Instrument :
BNA_F
ClientSampleId :
AF-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.4	32.0
229	21.0	16.1	24.1

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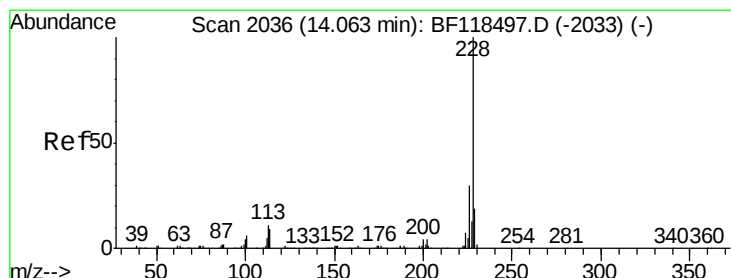
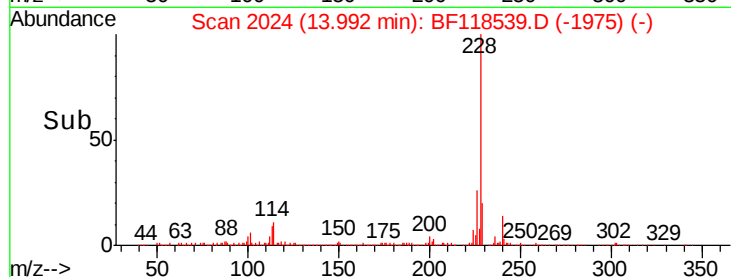
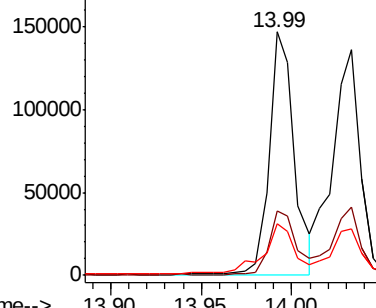


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 8.502 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

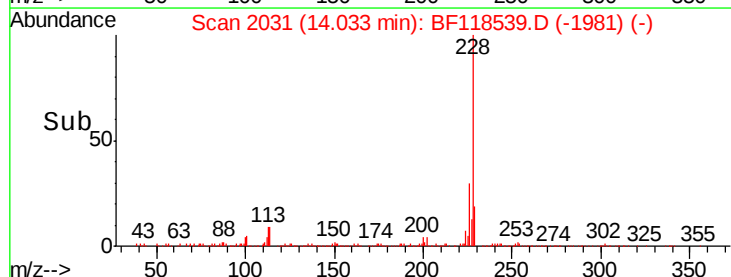
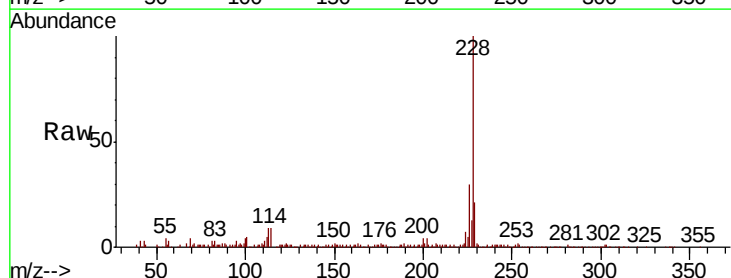
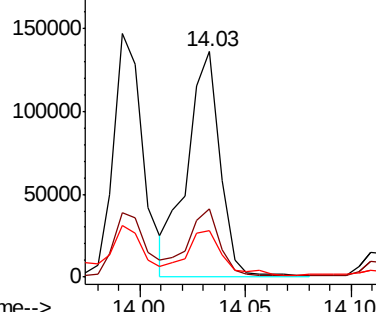
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	20.5	16.2	24.2

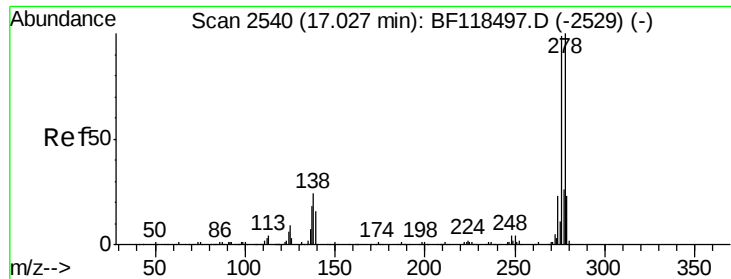
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





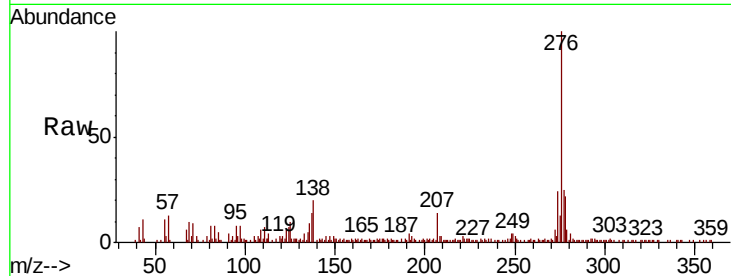
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.851 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Instrument :
BNA_F
ClientSampled :
AF-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	19.2	28.8
277	25.9	20.4	30.6

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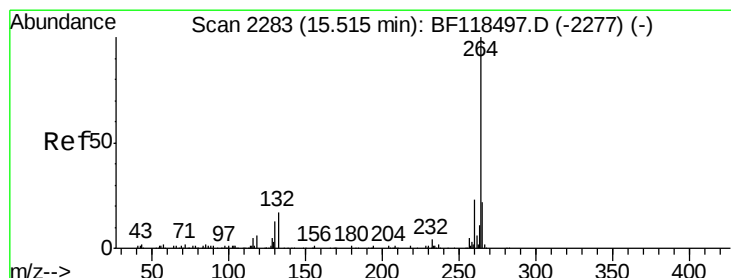
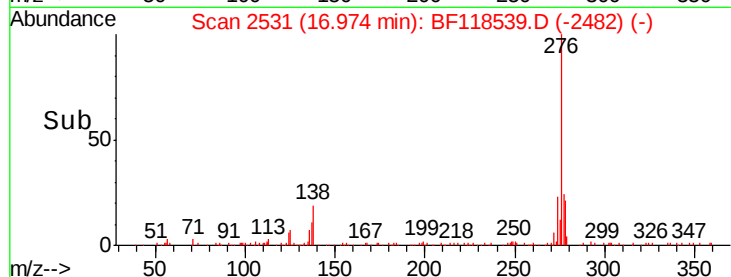
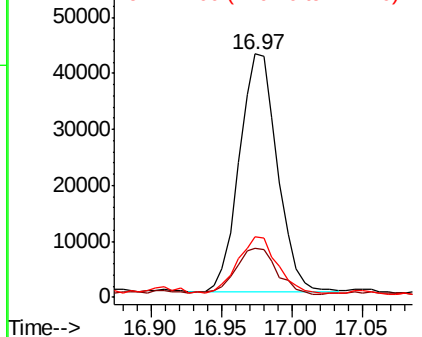


Abundance

Ion 276.00 (275.70 to 276.70): E

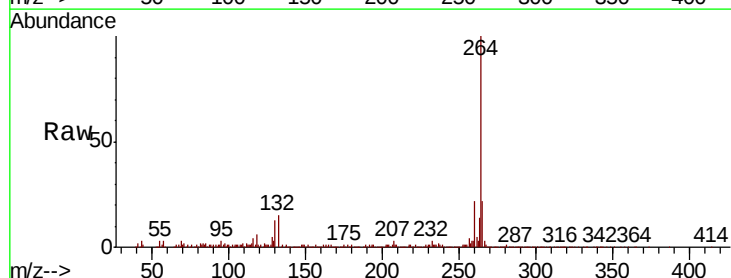
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.00 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.7	28.1
265	22.4	17.6	26.4

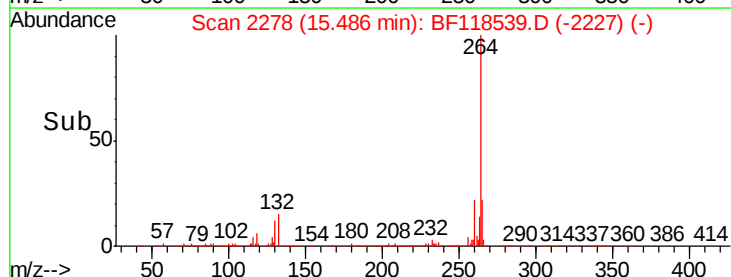
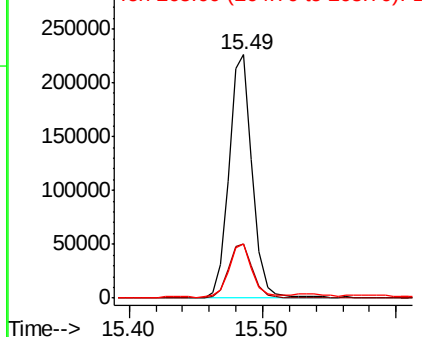


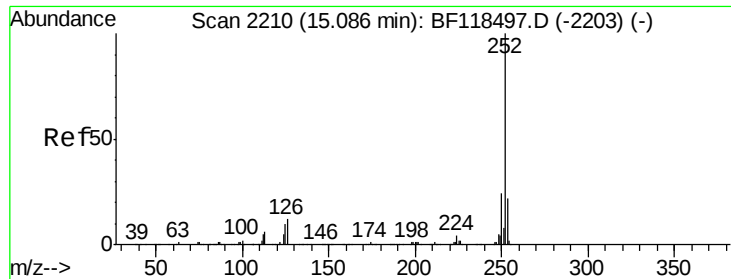
Abundance

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





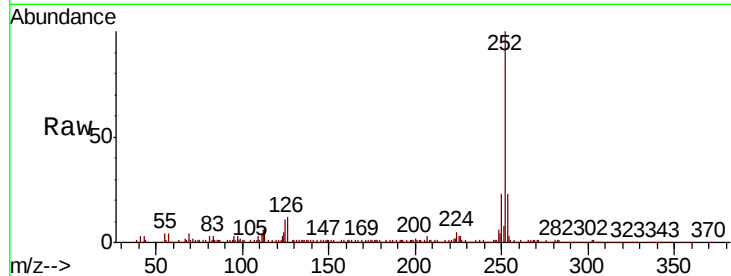
#88
Benzo(b)fluoranthene
Concen: 11.329 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Instrument :
BNA_F
ClientSampleId :
AF-1

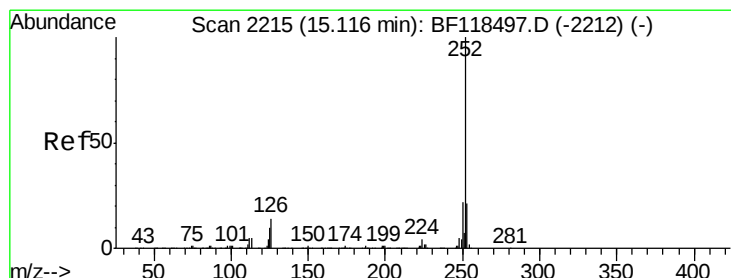
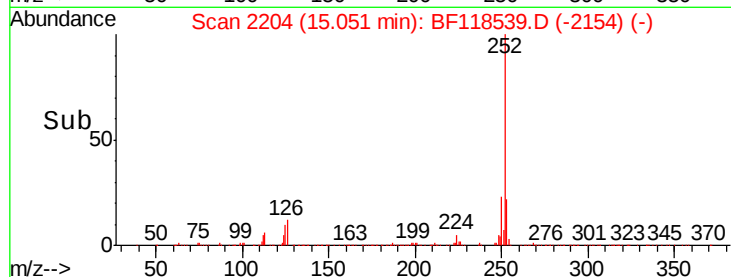
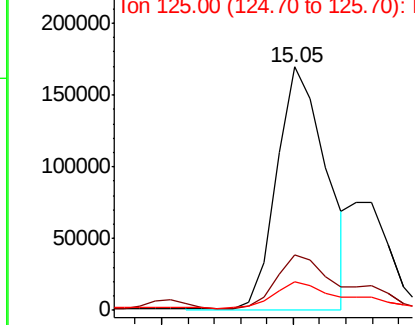
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	11.5	7.4	11.0#

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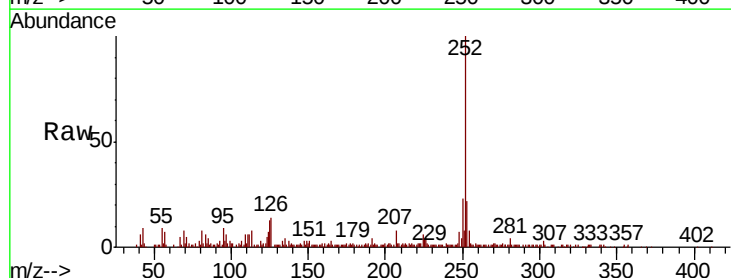


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

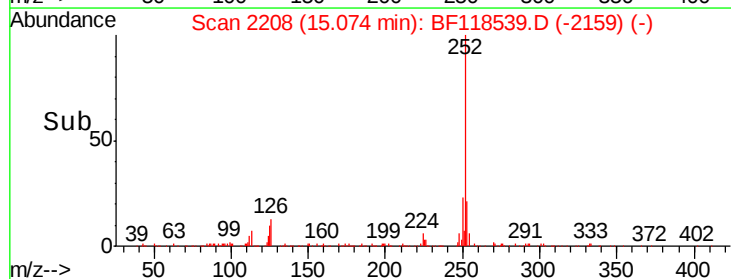
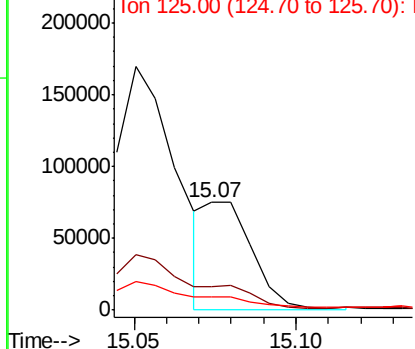


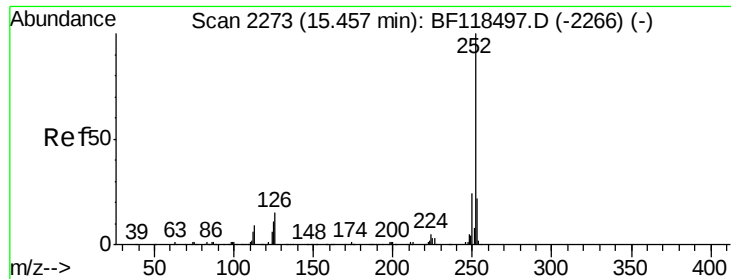
#89
Benzo(k)fluoranthene
Concen: 4.135 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	12.8	8.1	12.1#



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





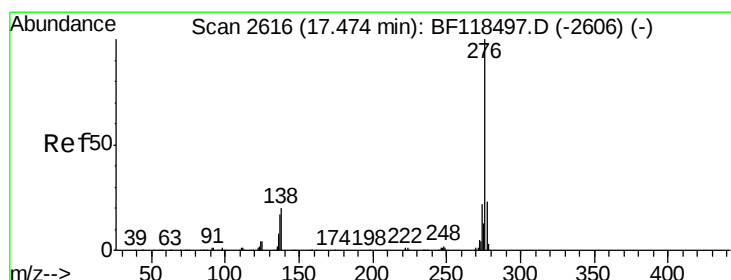
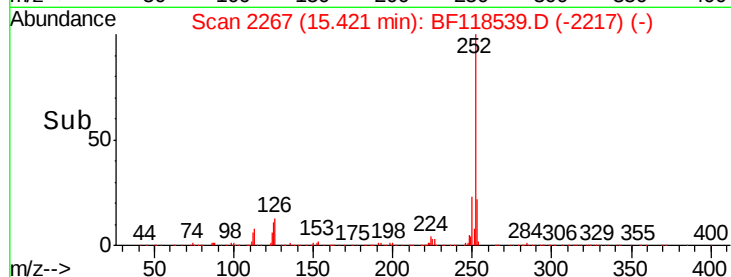
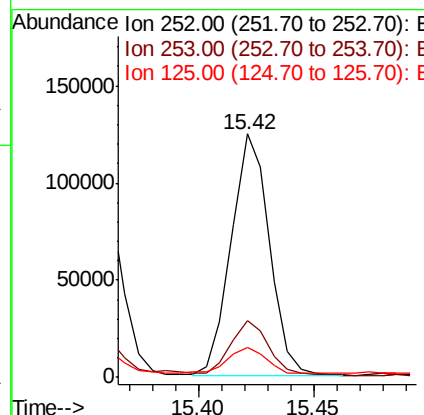
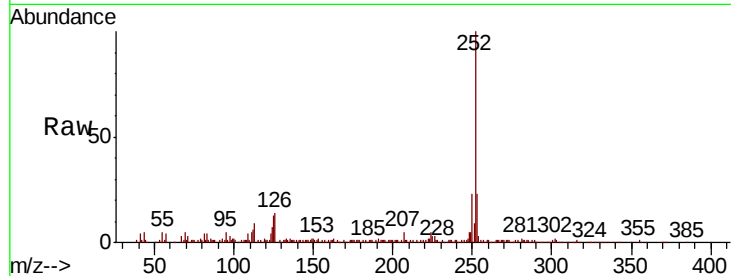
#90
Benzo(a)pyrene
Concen: 8.879 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Instrument :
BNA_F
ClientSampleId :
AF-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	12.5	8.7	13.1

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#92
Benzo(g,h,i)perylene
Concen: 5.472 ng
RT: 17.43 min Scan# 2608
Delta R.T. -0.01 min
Lab File: BF118539.D
Acq: 13 Jan 2020 19:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.8	28.2
138	21.5	14.7	22.1

