

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117065.D
 Acq On : 16 Sep 2019 16:11
 Operator : HP/JU
 Sample : K4664-06 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-091319

Manual Integrations
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Quant Time: Sep 17 06:24:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	57206	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	237511	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	121348	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	186068	20.00	ng	0.00
76) Chrysene-d12	13.96	240	126801	20.00	ng	-0.01
87) Perylene-d12	15.41	264	137663	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	203645	55.58	ng	0.00
7) Phenol-d6	6.46	99	296623	62.64	ng	0.00
23) Nitrobenzene-d5	7.38	82	188204	41.63	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	60568	59.72	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	340039	43.81	ng	0.00
79) Terphenyl-d14	12.91	244	277811	40.95	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.57	163	21621	2.516	ng	99
71) Phenanthrene	11.36	178	62720	5.935	ng	98
72) Anthracene	11.41	178	24978	2.315	ng	96
75) Fluoranthene	12.54	202	169456	15.605	ng	99
78) Pyrene	12.77	202	142037	13.350	ng	99
81) Benzo(a)anthracene	13.96	228	65838	7.771	ng	97
83) Chrysene	13.99	228	60642m	7.339	ng	
86) Indeno(1,2,3-cd)pyrene	16.84	276	26881	4.459	ng	# 94
88) Benzo(b)fluoranthene	14.99	252	72849m	8.736	ng	
89) Benzo(k)fluoranthene	15.02	252	30208m	3.824	ng	
90) Benzo(a)pyrene	15.35	252	52965	7.238	ng	# 94
92) Benzo(a,h,i)perylene	17.28	276	27733	4.774	ng	# 90

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

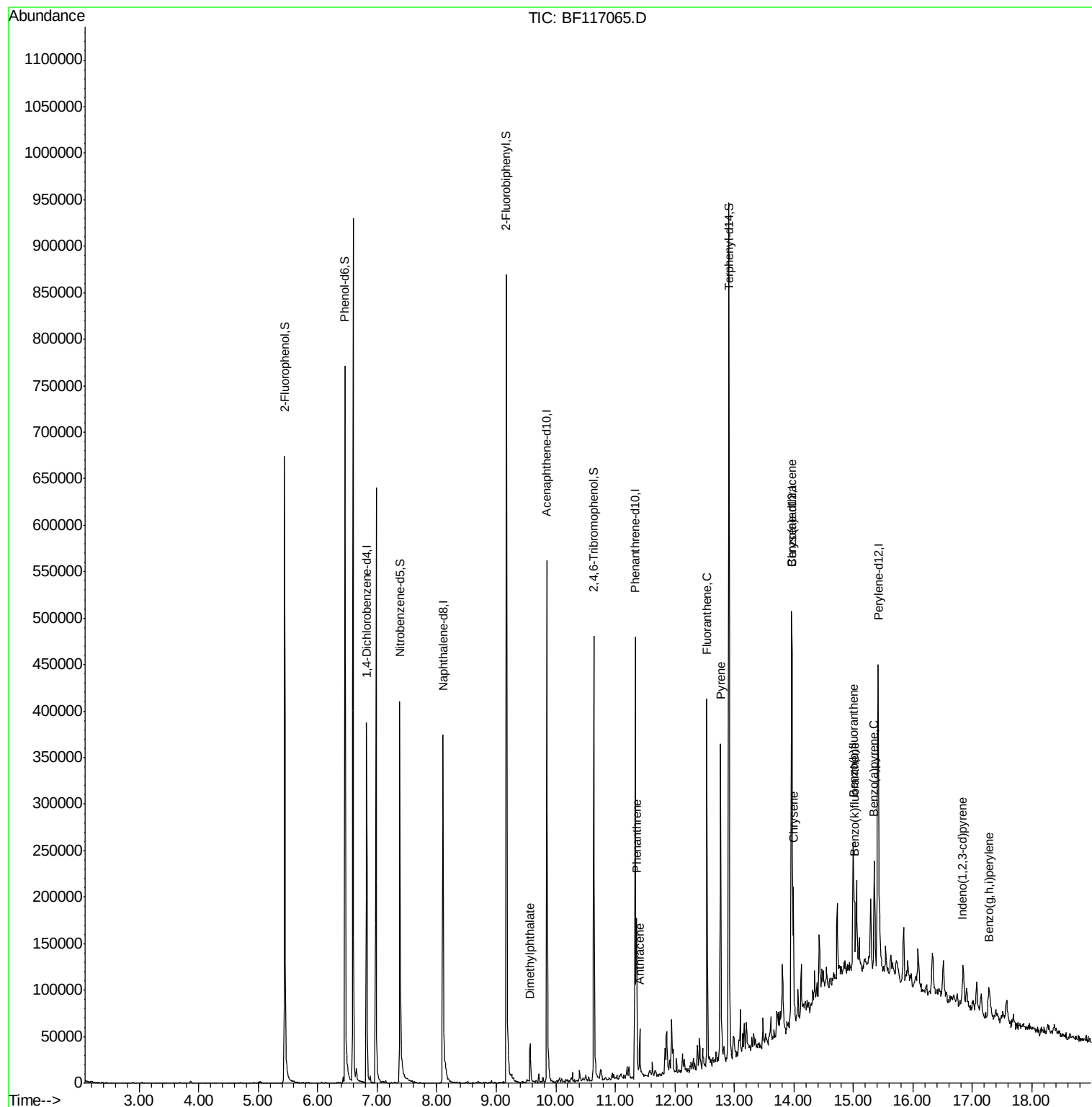
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117065.D
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Operator : HP/JU
Sample : K4664-06 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

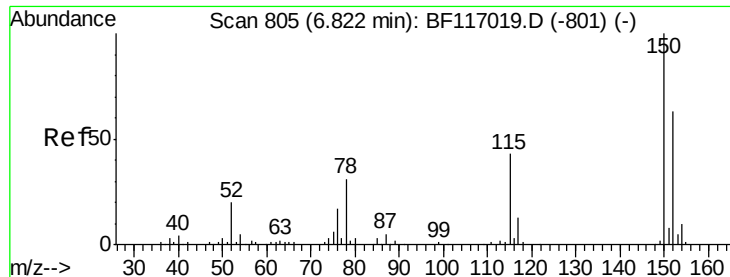
Instrument :
BNA_F
ClientSampleId :
OR-02-091319

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

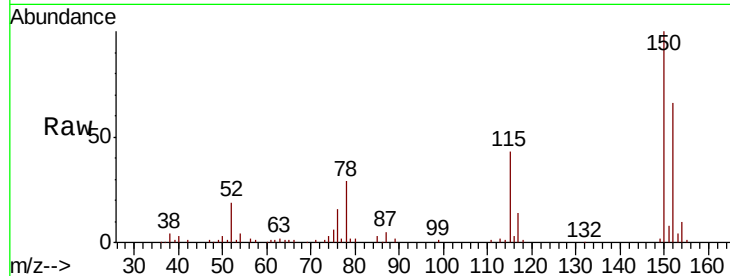
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Instrument :
BNA_F
ClientSampled :
OR-02-091319

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	127.5	191.3
115	64.9	55.0	82.4

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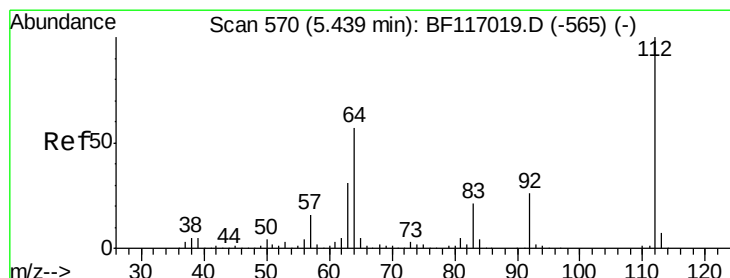
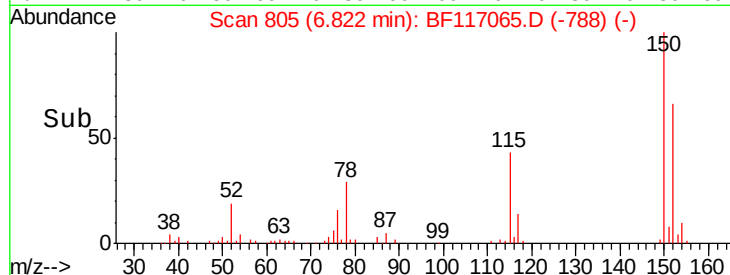
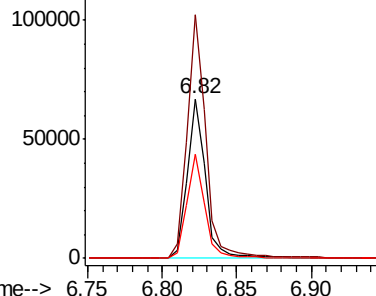


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

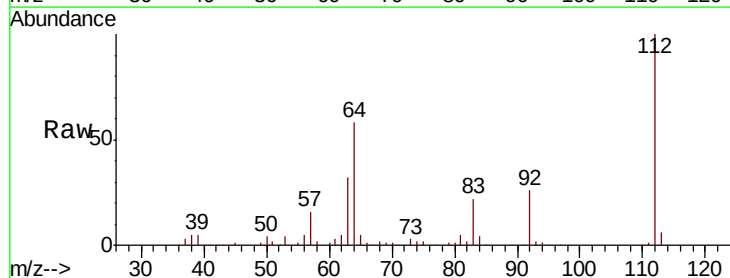
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 55.578 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	45.7	68.5
63	31.8	24.9	37.3

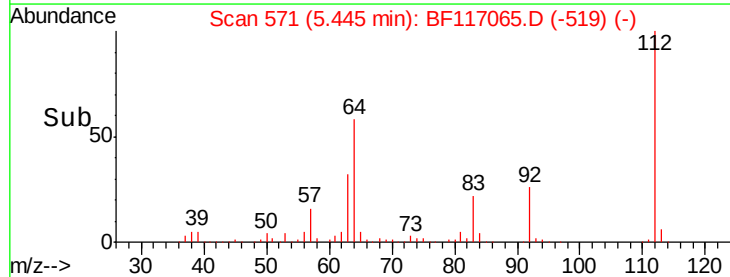
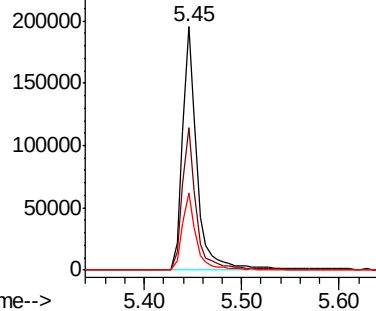


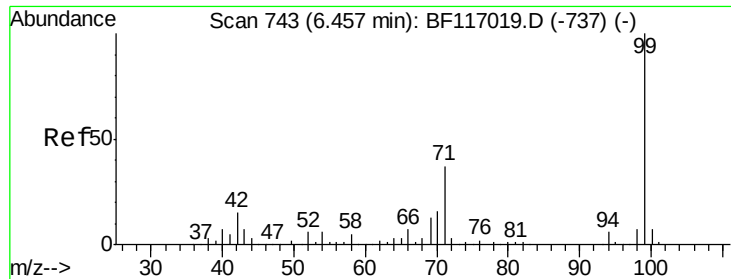
Abundance

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





#7

Phenol-d6

Concen: 62.640 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

Instrument :

BNA_F

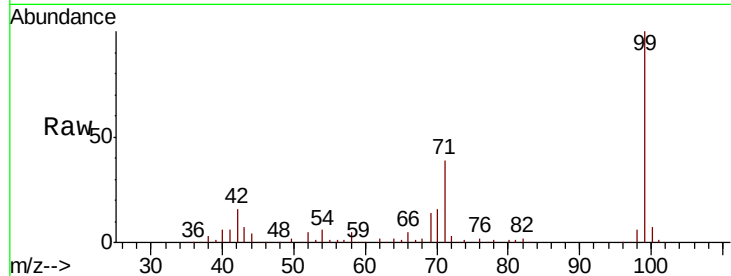
ClientSampleId :

OR-02-091319

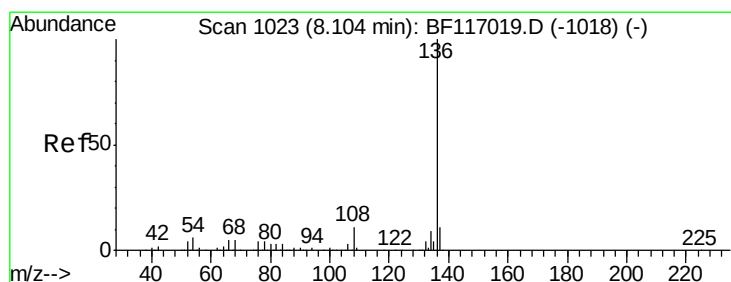
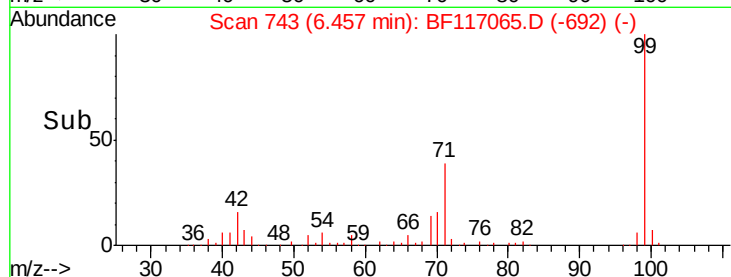
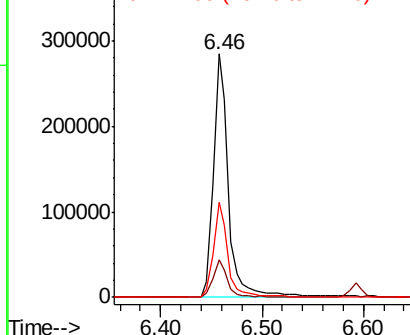
Tot Ion:	99	Resp:	296623
Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.2	18.2
71	39.1	29.8	44.8

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

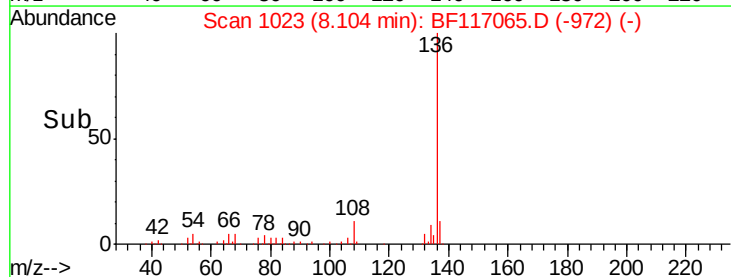
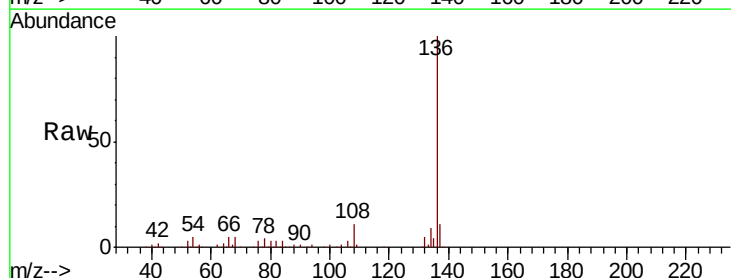
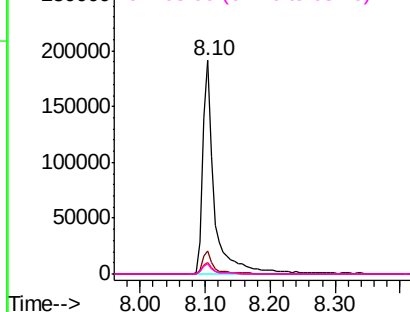
Delta R.T. 0.00 min

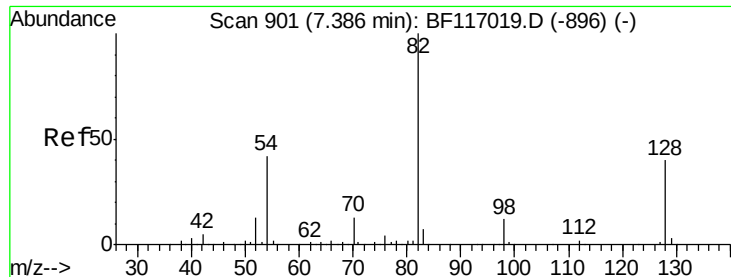
Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

Tgt Ion:	136	Resp:	237511
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	5.4	4.5	6.7
68	4.9	4.0	6.0

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





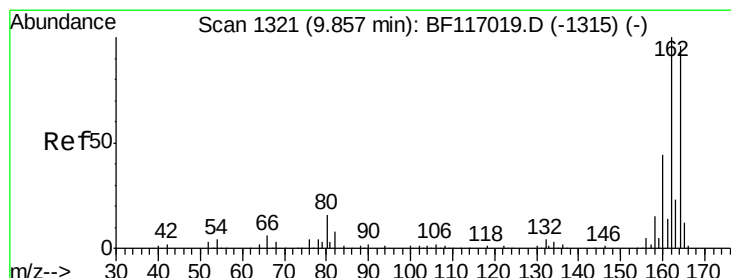
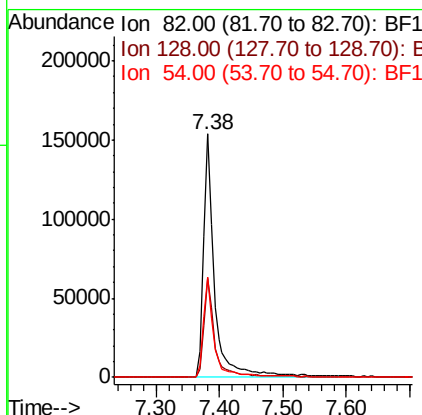
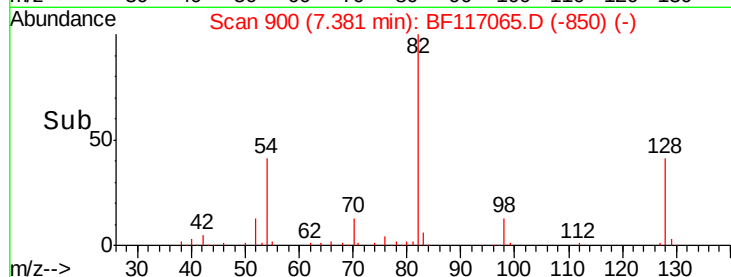
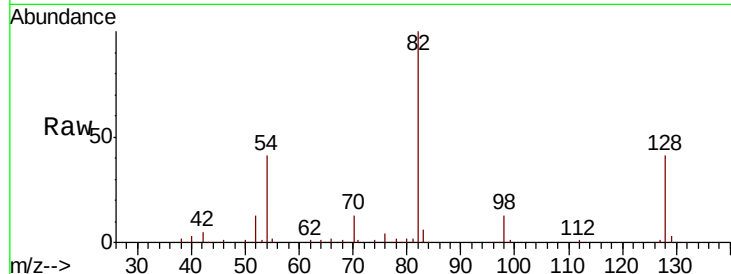
#23
 Nitrobenzene-d5
 Concen: 41.635 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117065.D
 Acq: 16 Sep 2019 16:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-091319

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.3	48.5
54	41.4	33.3	49.9

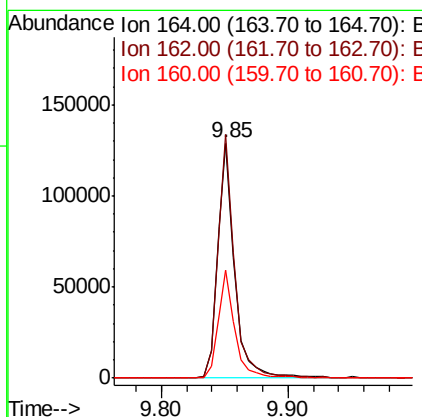
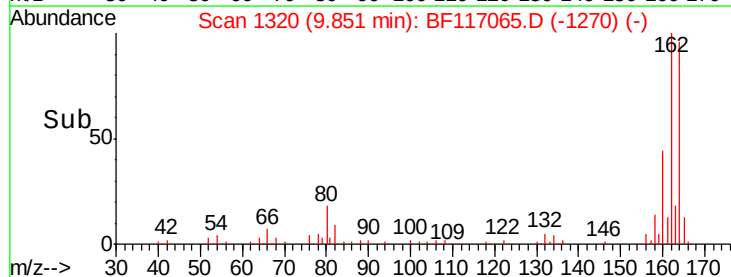
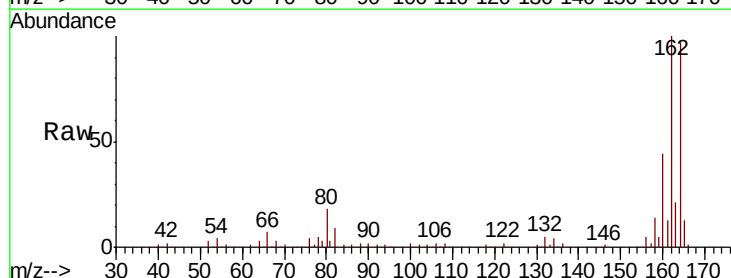
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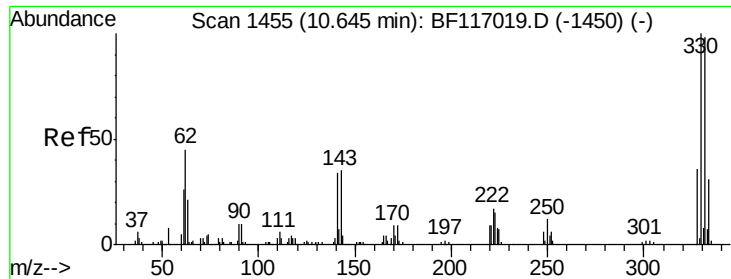
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117065.D
 Acq: 16 Sep 2019 16:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	83.4	125.2
160	45.9	36.4	54.6





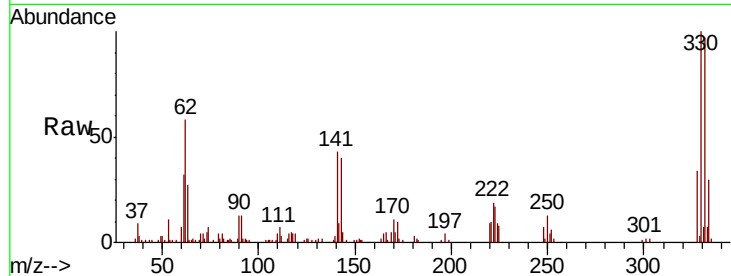
#42
 2,4,6-Tribromophenol
 Concen: 59.720 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117065.D
 Acq: 16 Sep 2019 16:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-091319

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.0	117.0
141	47.4	35.8	53.6

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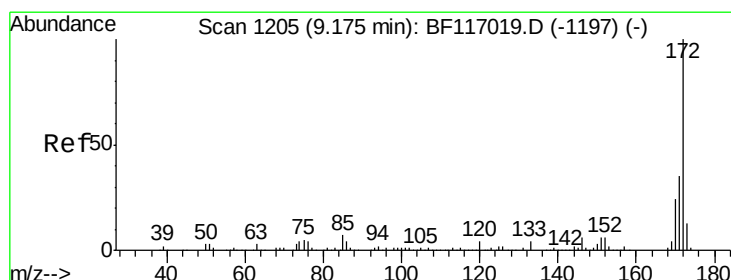
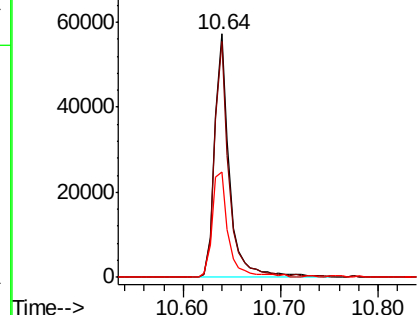
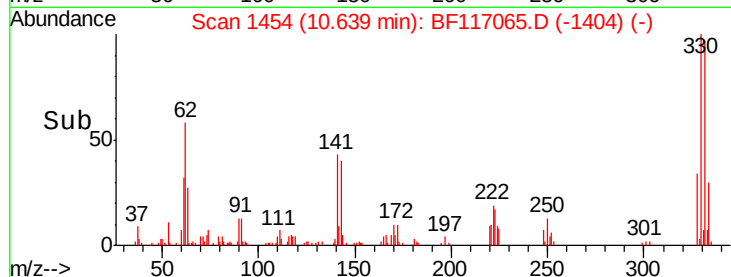


Abundance

Ion 329.80 (329.50 to 330.50): E

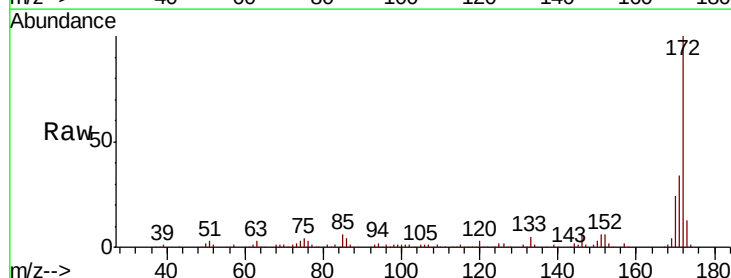
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 43.814 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117065.D
 Acq: 16 Sep 2019 16:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	28.2	42.2
170	24.2	18.9	28.3

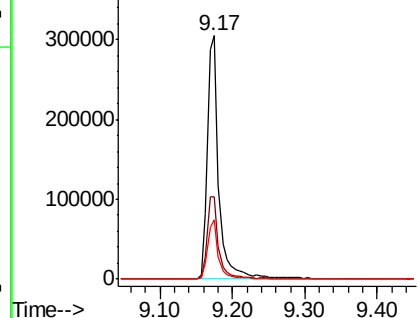
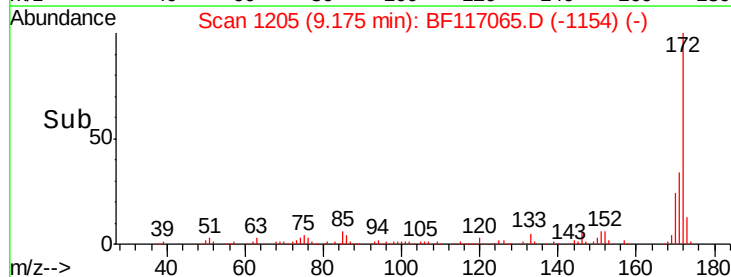


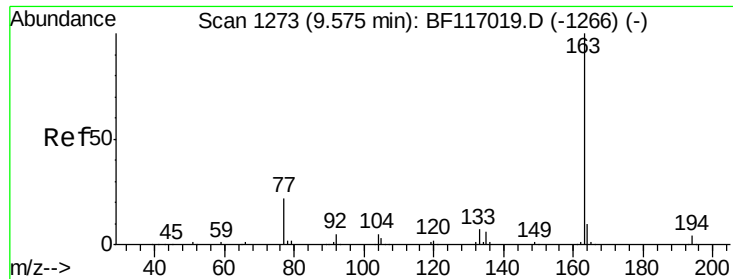
Abundance

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





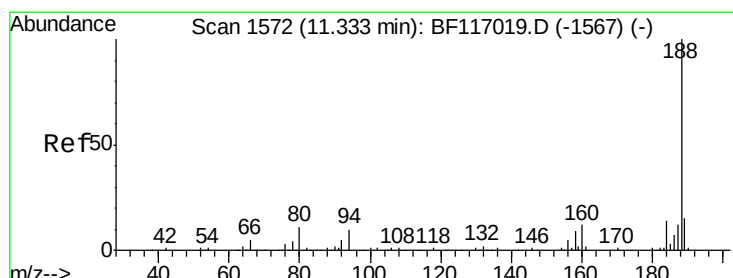
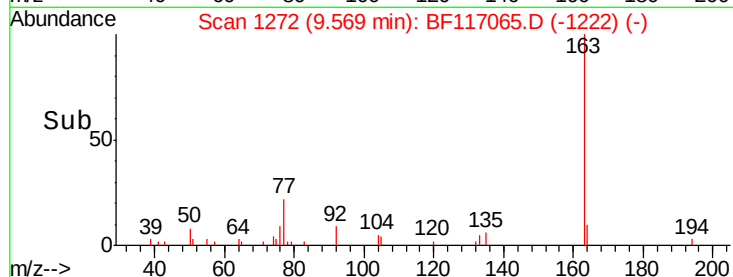
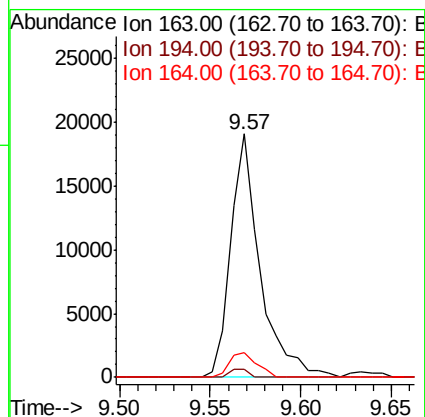
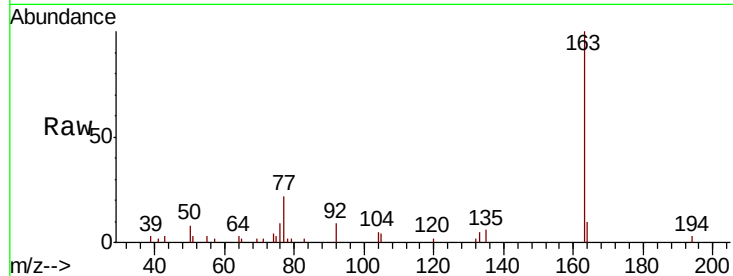
#50
Dimethylphthalate
Concen: 2.516 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Instrument :
BNA_F
ClientSampleId :
OR-02-091319

Tot Ion:	163	Resp:	21621
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.9	4.3
164	10.1	8.2	12.4

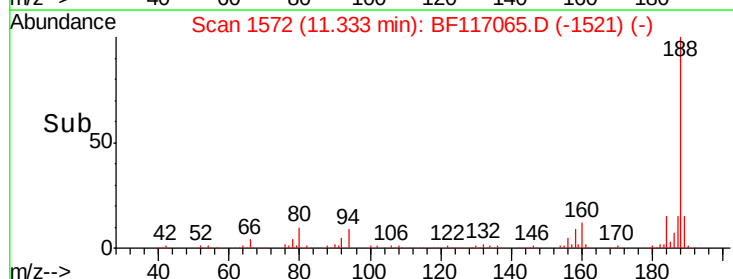
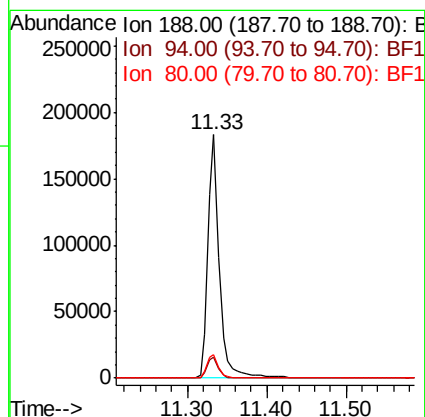
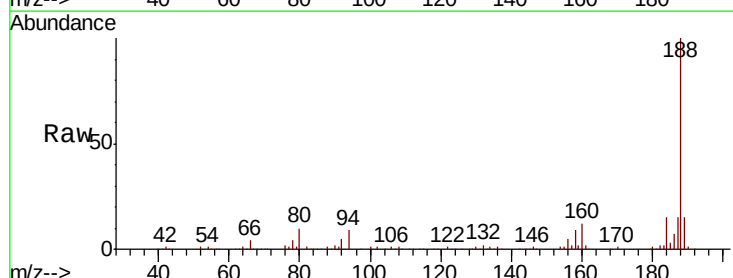
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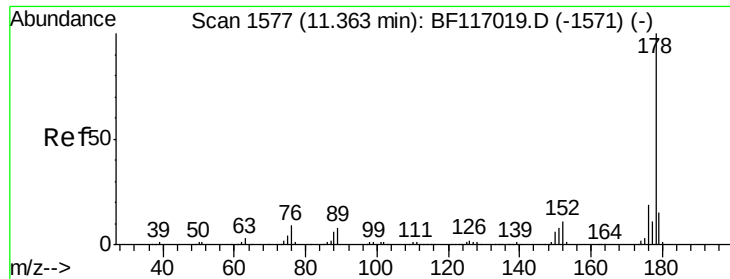
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Tgt Ion:	188	Resp:	186068
Ion Ratio	Lower	Upper	
188	100		
94	8.6	8.2	12.2
80	9.8	9.0	13.6





#71

Phenanthrene

Concen: 5.935 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

Instrument :

BNA_F

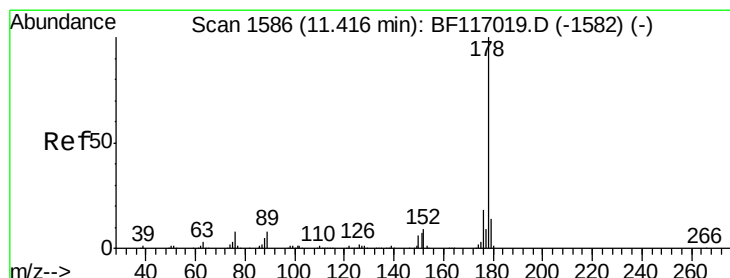
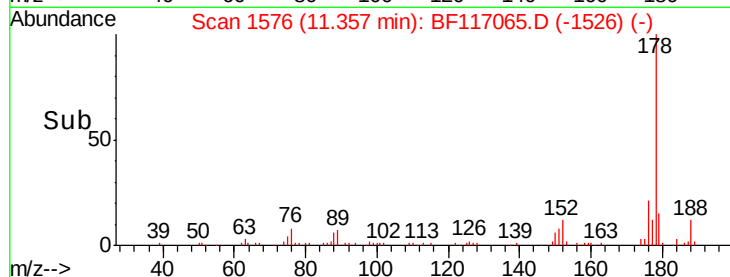
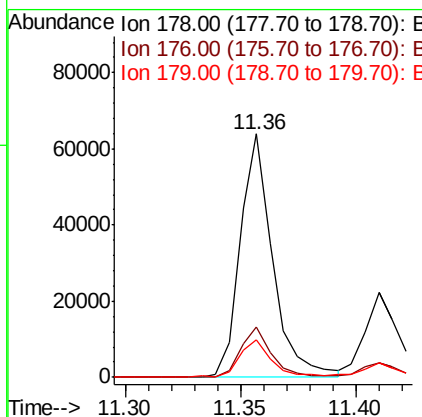
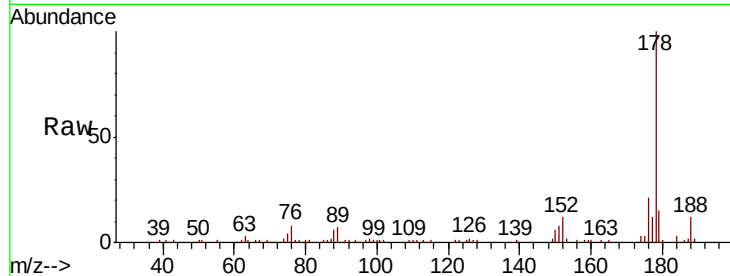
ClientSampleId :

OR-02-091319

Tot Ion:178	Resp:	62720
Ion Ratio	Lower	Upper
178	100	
176	20.6	15.4 23.2
179	15.5	12.4 18.6

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#72

Anthracene

Concen: 2.315 ng

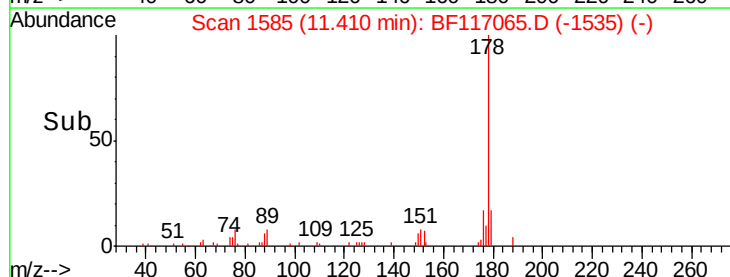
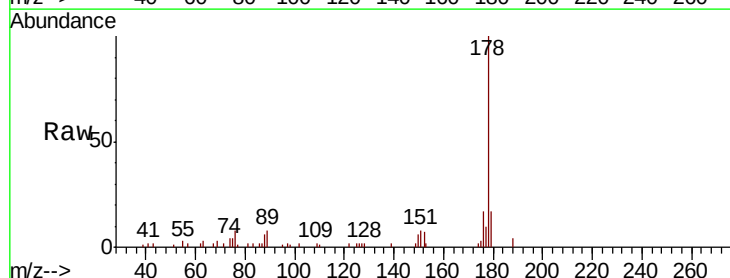
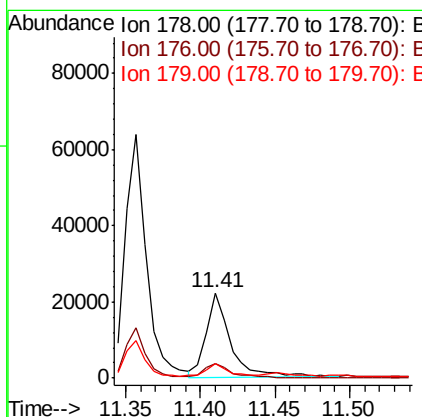
RT: 11.41 min Scan# 1585

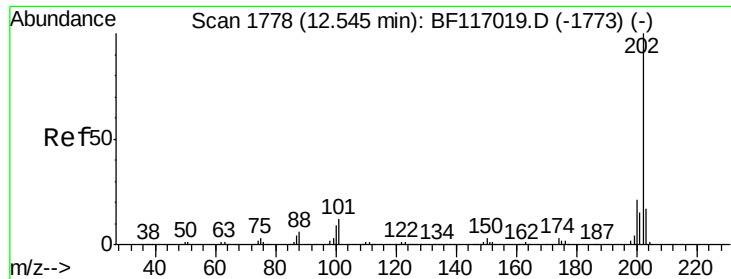
Delta R.T. -0.01 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

Tgt Ion:178	Resp:	24978
Ion Ratio	Lower	Upper
178	100	
176	17.2	14.6 21.8
179	17.2	11.6 17.4





#75

Fluoranthene

Concen: 15.605 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

Instrument :

BNA_F

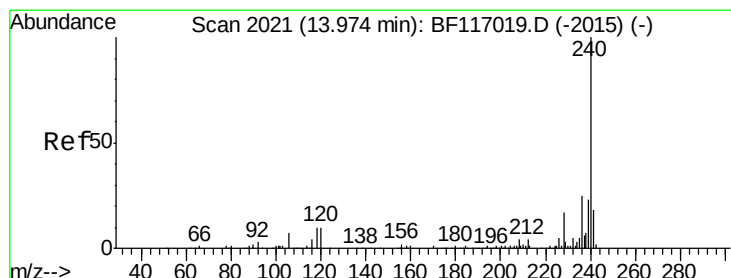
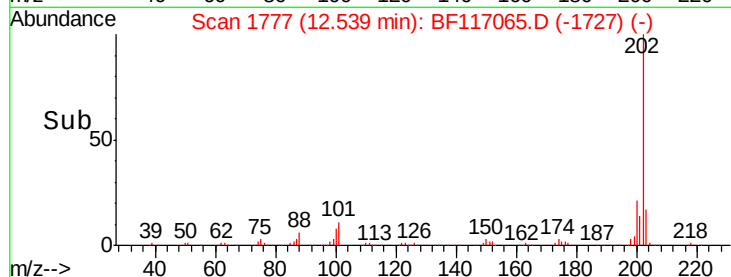
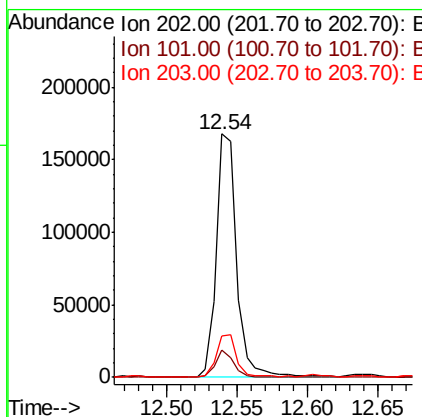
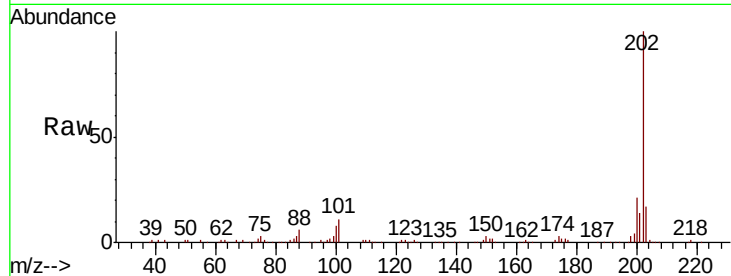
ClientSampleId :

OR-02-091319

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		169456		
101	11.2	0.0	32.3		
203	17.2	0.0	37.1		

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#76

Chrysene-d12

Concen: 20.000 ng

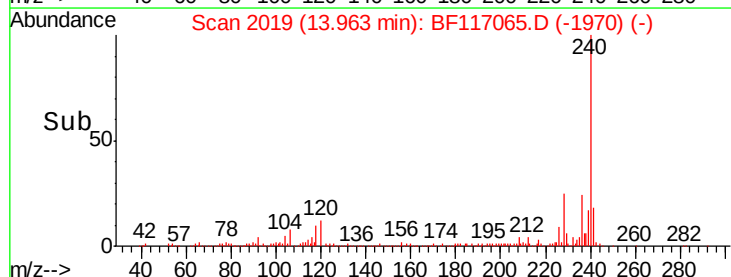
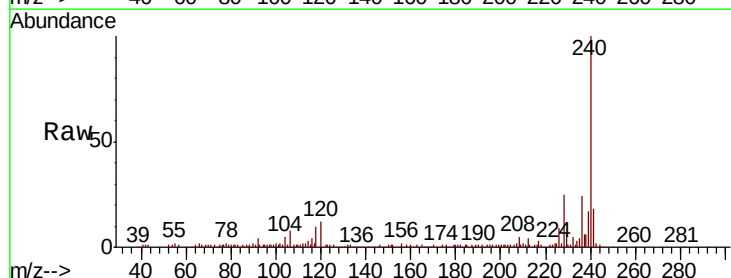
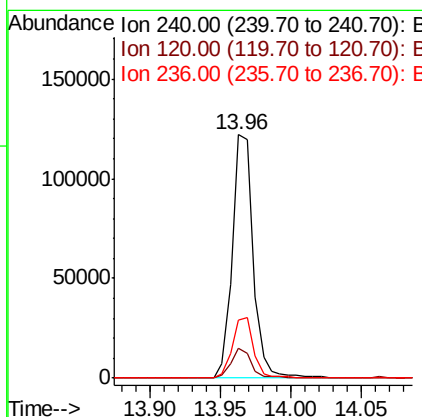
RT: 13.96 min Scan# 2019

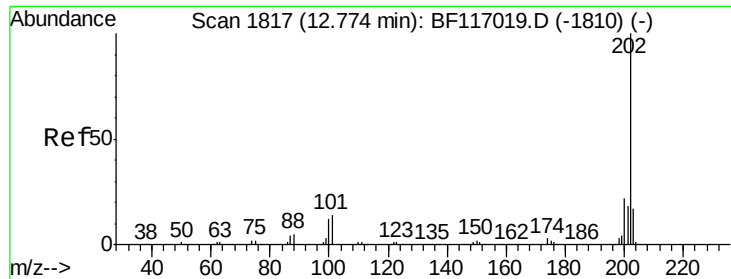
Delta R.T. -0.01 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		126801		
120	12.0	8.3	12.5		
236	24.0	20.3	30.5		





#78

Pvrene

Concen: 13.350 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

Instrument :

BNA_F

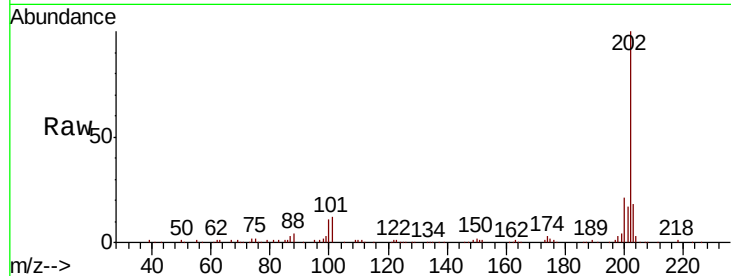
ClientSampleId :

OR-02-091319

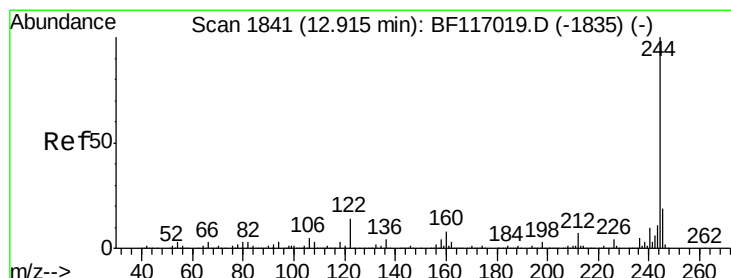
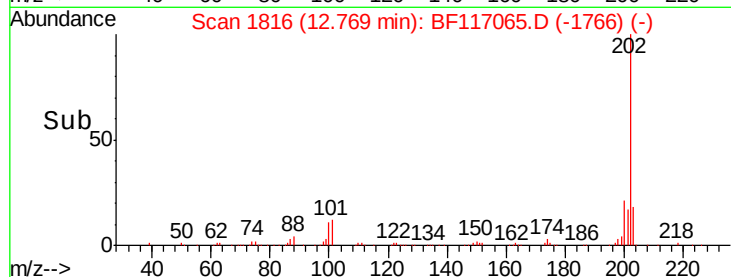
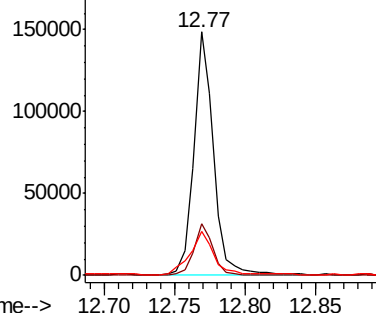
Tot Ion:	202	Resp:	142037
Ion Ratio		Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.9	14.0	21.0

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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: 40.953 ng

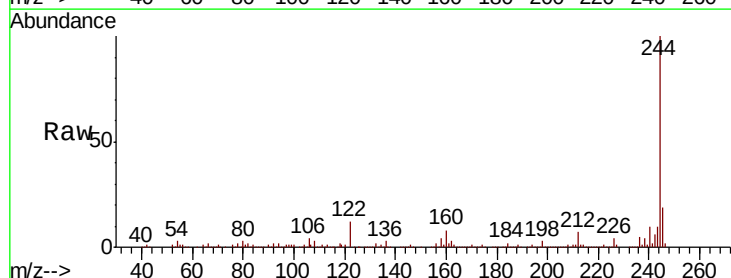
RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

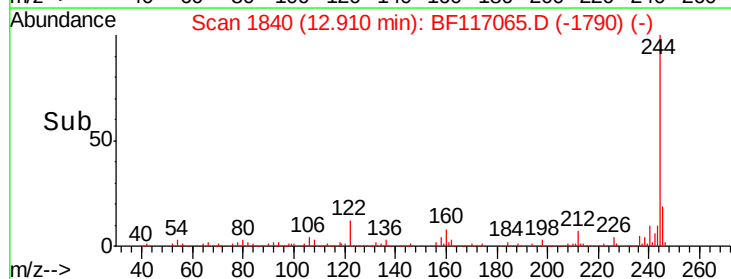
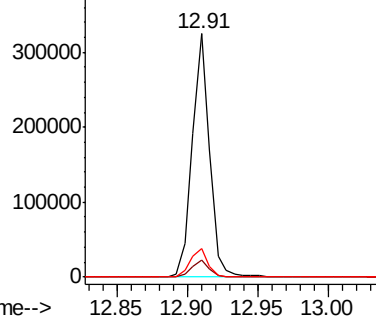
Lab File: BF117065.D

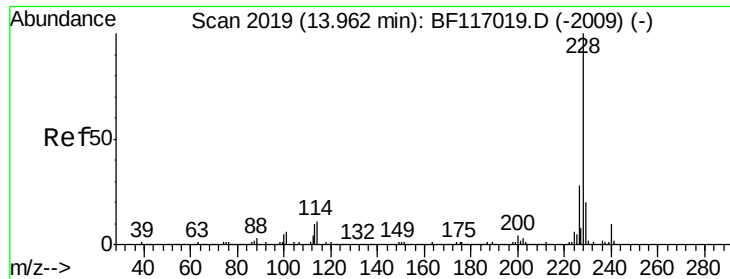
Acq: 16 Sep 2019 16:11

Tgt Ion:	244	Resp:	277811
Ion Ratio		Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.8	11.3	16.9



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





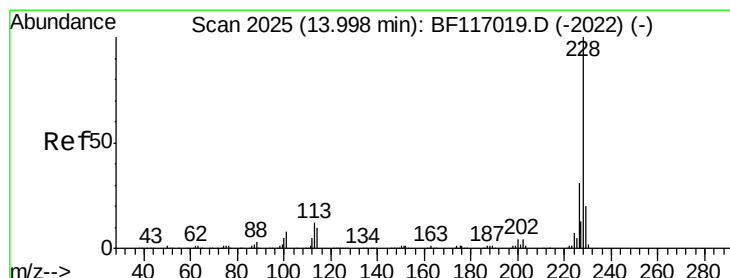
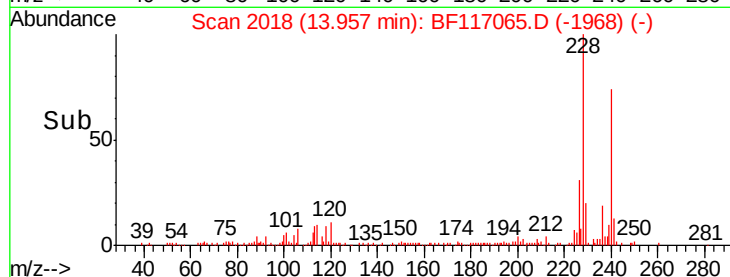
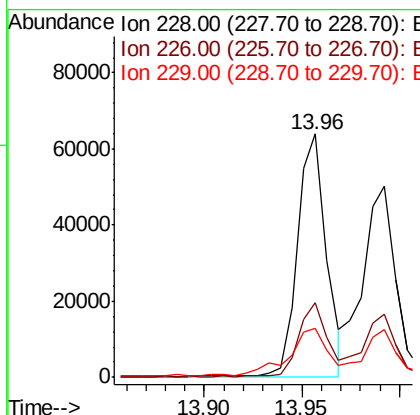
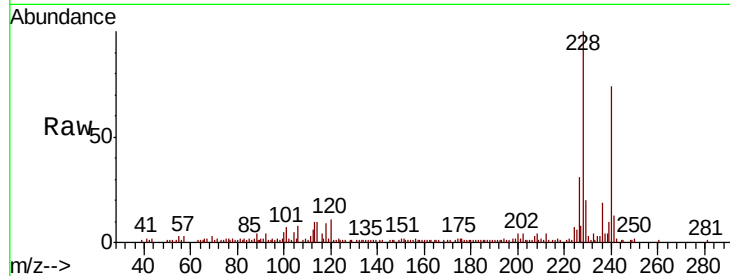
#81
Benzo(a)anthracene
Concen: 7.771 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Instrument :
BNA_F
ClientSampleId :
OR-02-091319

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.3	33.5
229	20.4	15.9	23.9

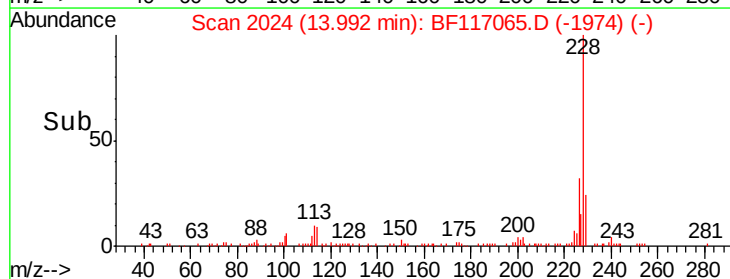
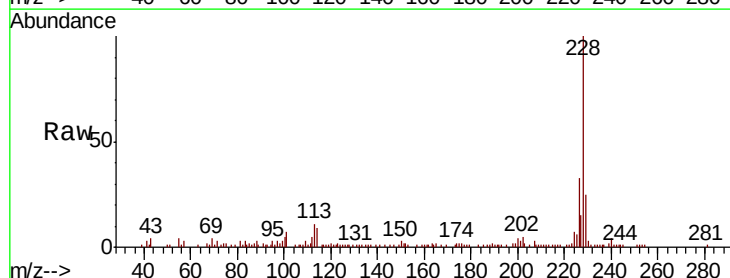
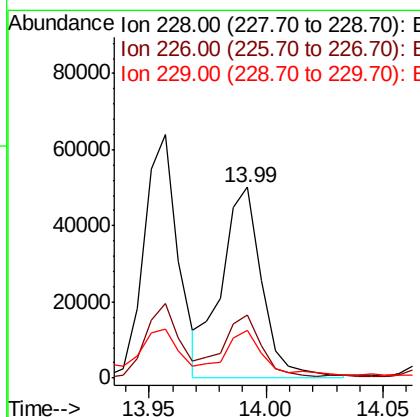
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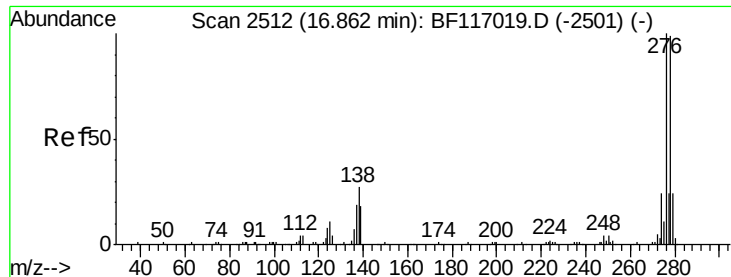
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#83
Chrysene
Concen: 7.339 ng m
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	24.8	37.2
229	24.8	15.8	23.8#





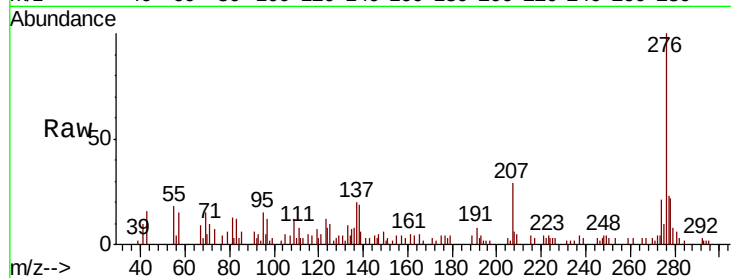
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.459 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Instrument :
BNA_F
ClientSampleId :
OR-02-091319

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.6	20.7	31.1
277	29.9	19.8	29.8

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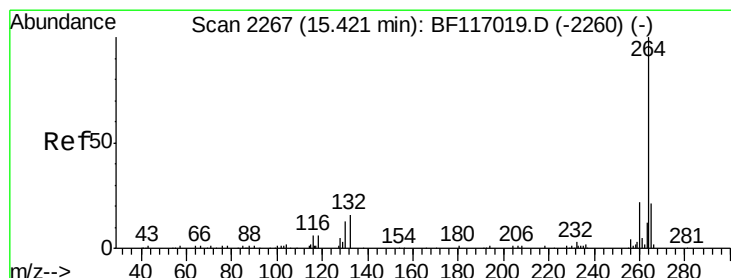
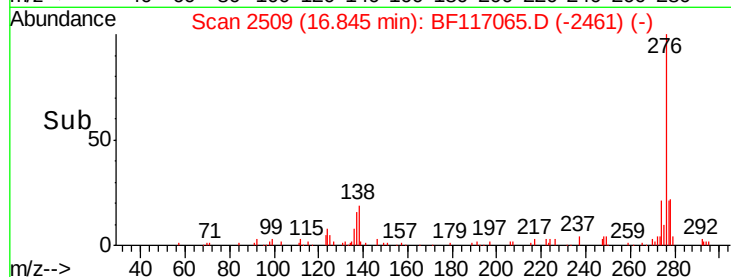
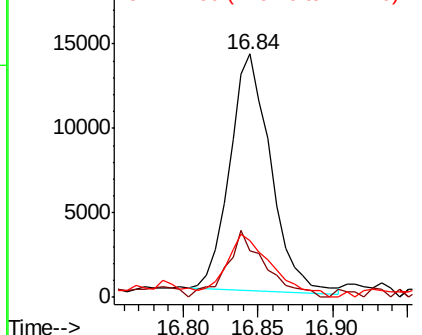


Abundance

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: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

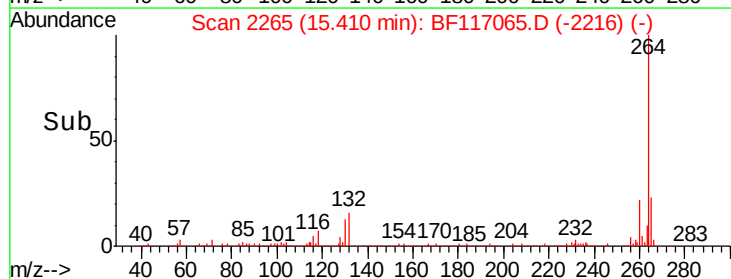
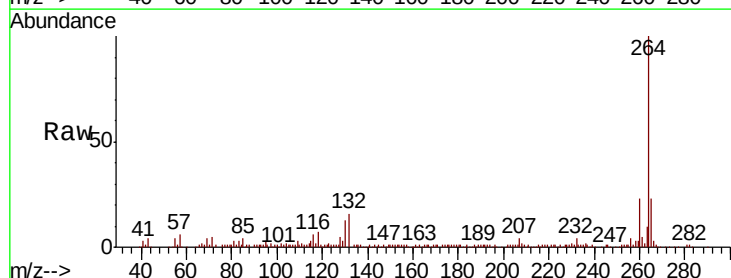
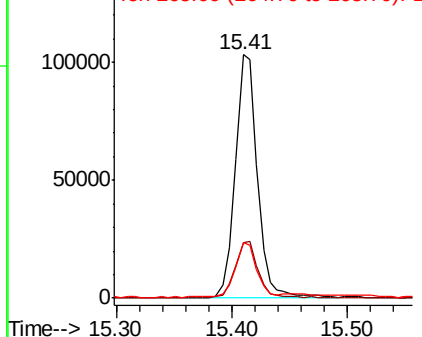
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.6	26.4
265	22.9	16.6	24.8

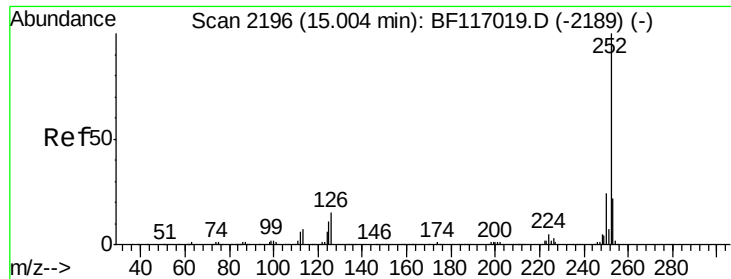
Abundance

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





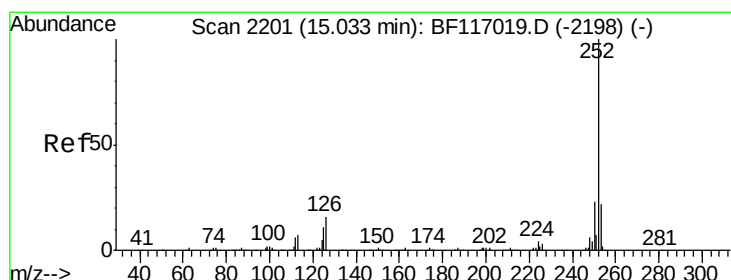
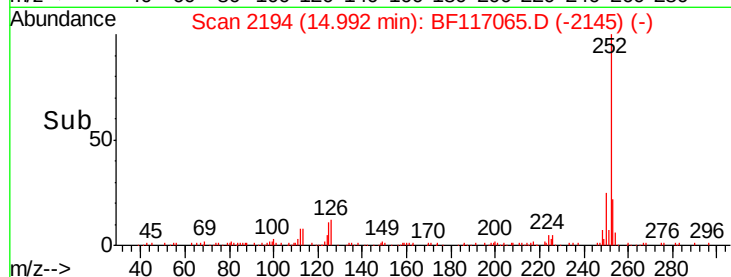
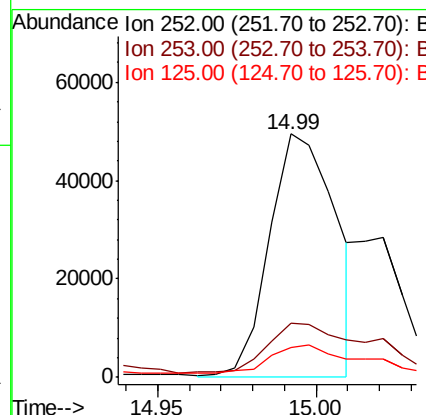
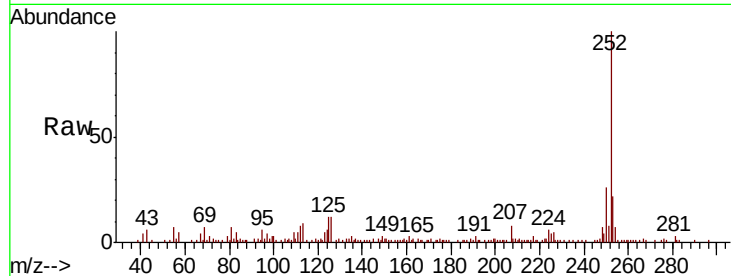
#88
Benzo(b)fluoranthene
Concen: 8.736 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Instrument :
BNA_F
ClientSampleId :
OR-02-091319

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	12.1	8.6	12.8

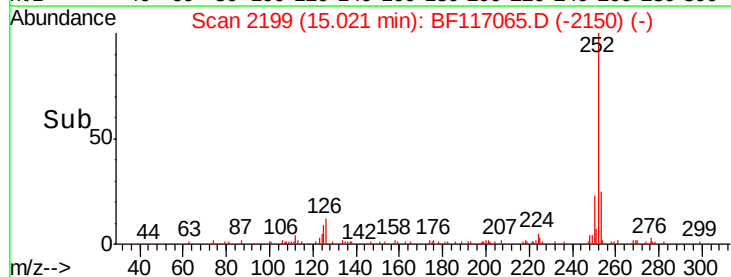
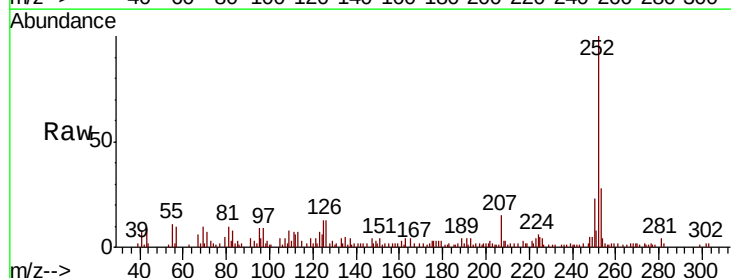
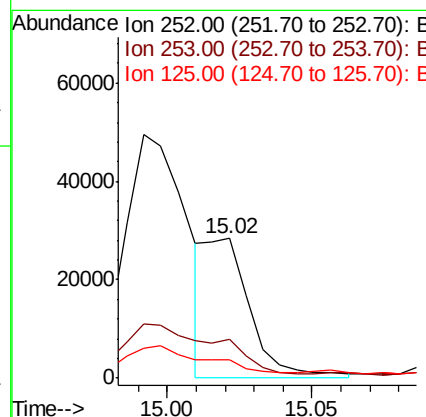
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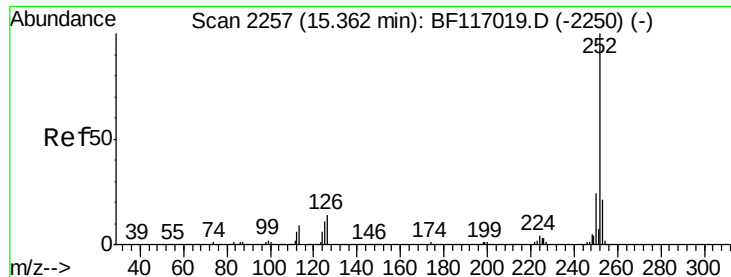
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#89
Benzo(k)fluoranthene
Concen: 3.824 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.4	26.2#
125	12.9	8.8	13.2





#90

Benzo(a)pyrene

Concen: 7.238 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

Instrument :

BNA_F

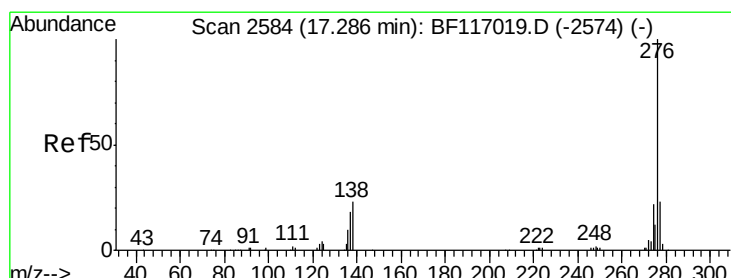
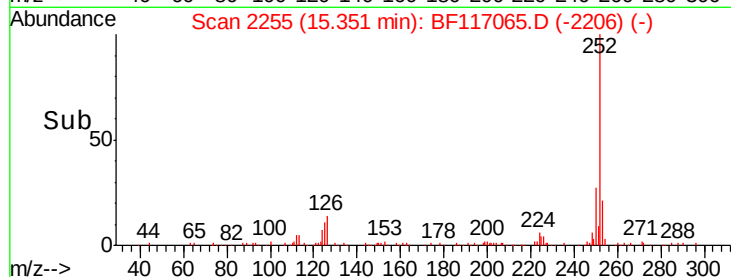
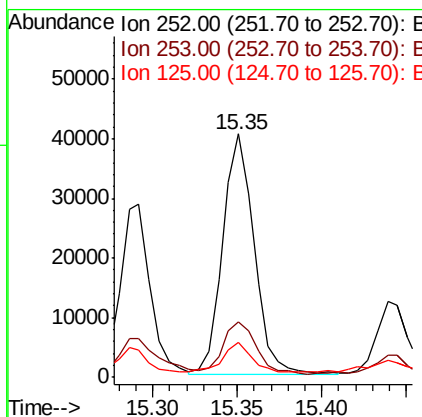
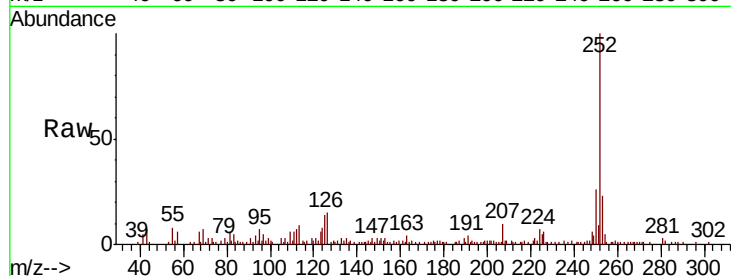
ClientSampled :

OR-02-091319

Tot Ion:	252	Resp:	52965
Ion Ratio	Lower	Upper	
252	100		
253	23.0	16.6	25.0
125	14.2	8.9	13.3#

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#92

Benzo(g,h,i)perylene

Concen: 4.774 ng

RT: 17.28 min Scan# 2583

Delta R.T. -0.01 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

Tgt Ion:	276	Resp:	27733
Ion Ratio	Lower	Upper	
276	100		
277	29.7	18.6	27.8#
138	19.3	18.0	27.0

