

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
 Data File : BF118008.D
 Acq On : 26 Nov 2019 15:43
 Operator : JU
 Sample : K5672-01DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-112219DL

Manual Integrations
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 11/27/2019 11:33:34 PM

Quant Time: Nov 26 16:15:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	154445	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	482589	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	215785	20.00	ng	0.00
64) Phenanthrene-d10	11.44	188	330921	20.00	ng	0.00
76) Chrysene-d12	14.09	240	248812	20.00	ng	0.00
87) Perylene-d12	15.59	264	209764	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	16174	1.85	ng	0.00
7) Phenol-d6	6.51	99	22384	2.13	ng	-0.01
23) Nitrobenzene-d5	7.45	82	9577	1.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	3062	1.34	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	21923	1.82	ng	0.00
79) Terphenyl-d14	13.03	244	18389	1.35	ng	0.00
Target Compounds						
58) Fluorene	10.49	166	41441	3.140	ng	Qvalue 97
71) Phenanthrene	11.46	178	223940	13.460	ng	96
72) Anthracene	11.52	178	72098	4.371	ng	96
75) Fluoranthene	12.66	202	191959	6.178	ng	98
78) Pyrene	12.89	202	208331	10.361	ng	98
81) Benzo(a)anthracene	14.08	228	92027	5.597	ng	97
83) Chrysene	14.12	228	75958	4.768	ng	96
86) Indeno(1,2,3-cd)pyrene	17.12	276	28614	2.110	ng	95
88) Benzo(b)fluoranthene	15.15	252	66646m	4.890	ng	
90) Benzo(a)pyrene	15.53	252	50710	4.231	ng	# 93
92) Benzo(g,h,i)perylene	17.57	276	30054	2.925	ng	# 89

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

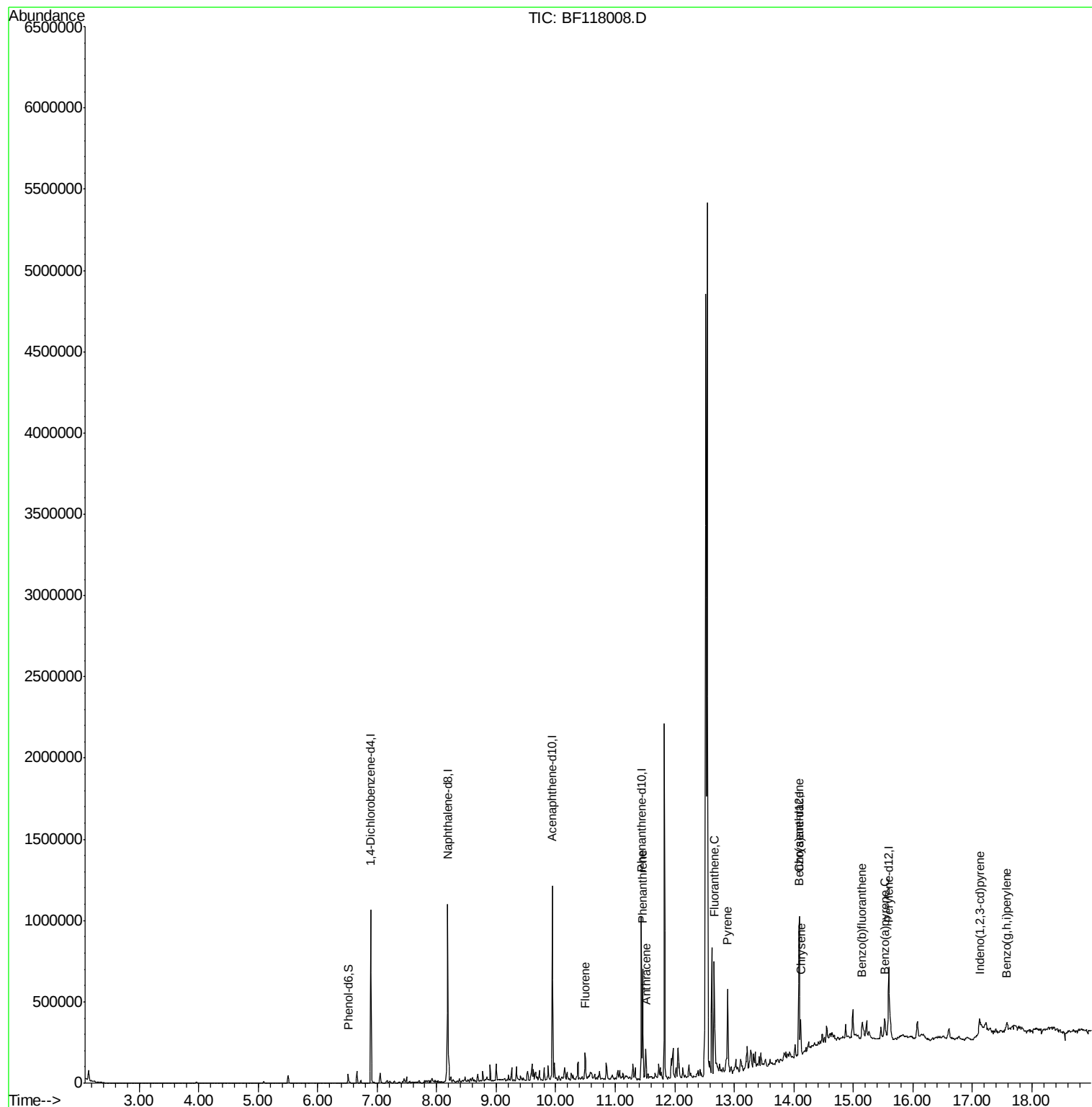
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118008.D
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Operator : JU
Sample : K5672-01DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

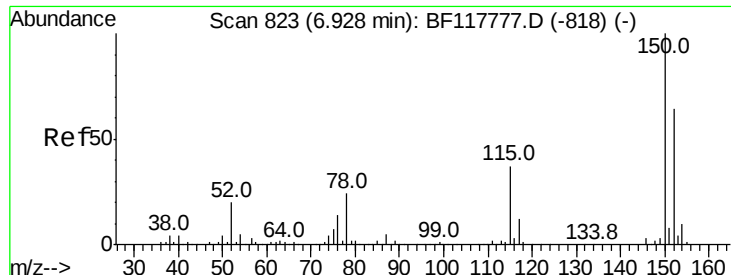
Instrument :
BNA_F
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EO-02-112219DL

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Quant Time: Nov 26 16:15:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

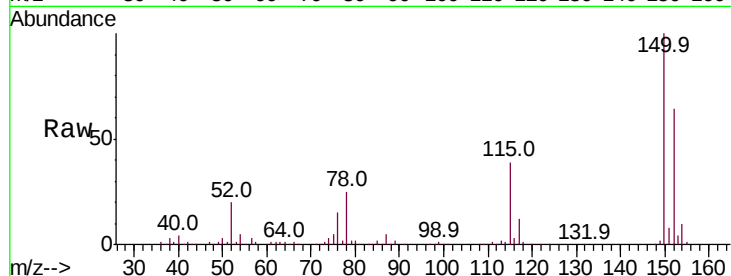
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF118008.D
Acq: 26 Nov 2019 15:43

Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	125.3	187.9
115	61.9	47.0	70.4

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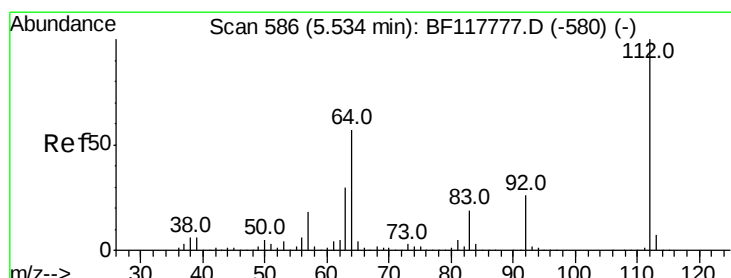
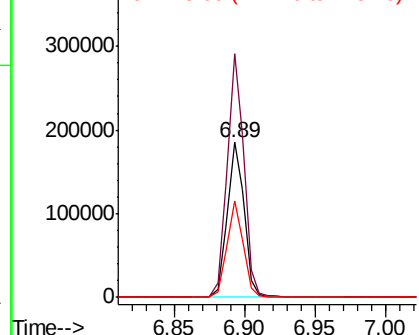
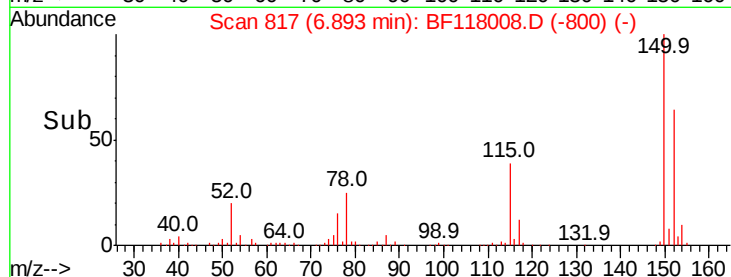


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

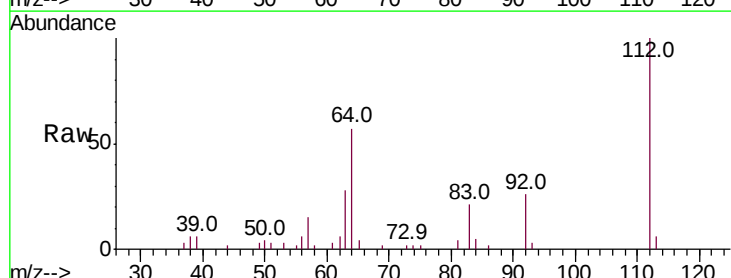
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 1.854 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF118008.D
Acq: 26 Nov 2019 15:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	45.6	68.4
63	27.8	24.1	36.1

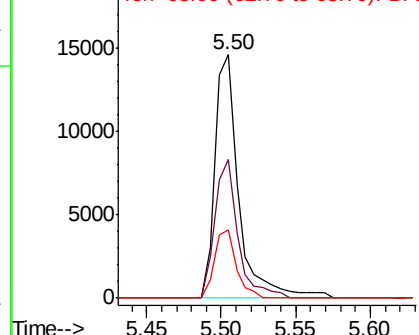
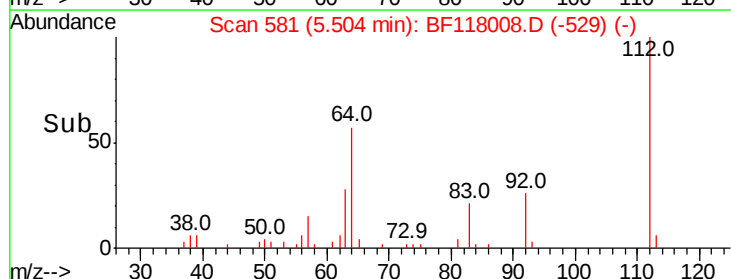


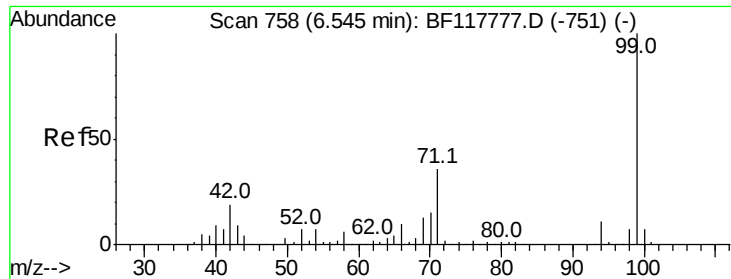
Abundance

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: 2.127 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118008.D

Acq: 26 Nov 2019 15:43

Instrument :

BNA_F

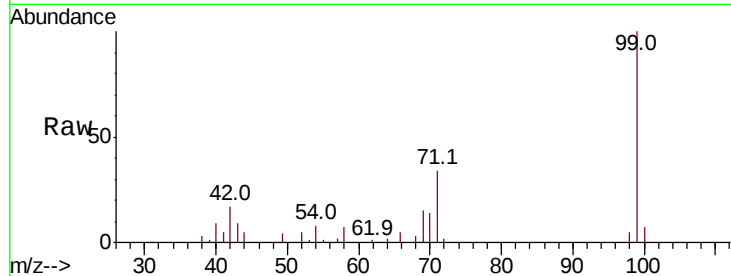
ClientSampleId :

EO-02-112219DL

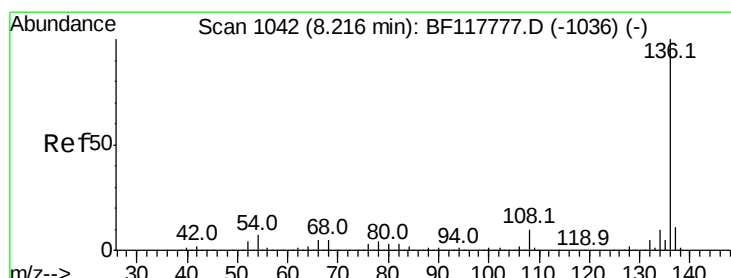
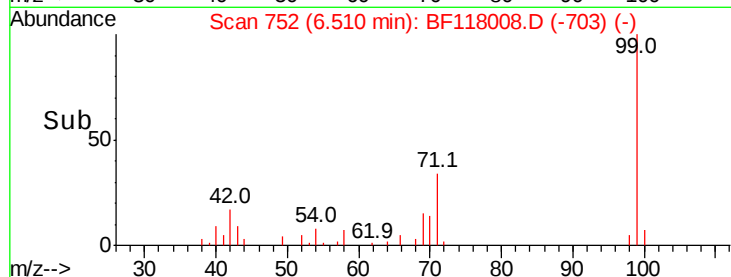
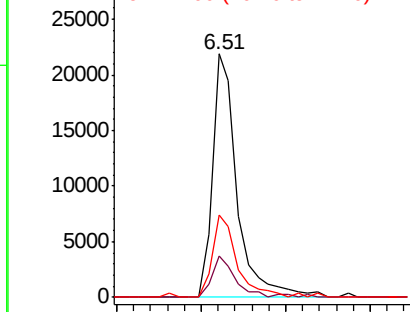
Tot Ion:	99	Resp:	22384
Ion Ratio	Lower	Upper	
99	100		
42	16.9	14.9	22.3
71	33.7	28.6	43.0

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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: 8.18 min Scan# 1036

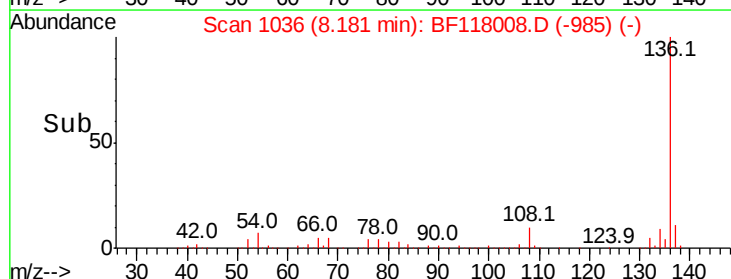
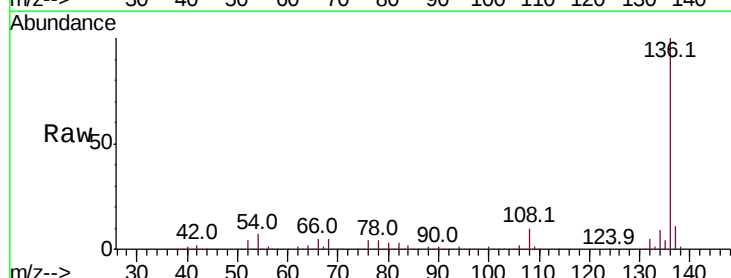
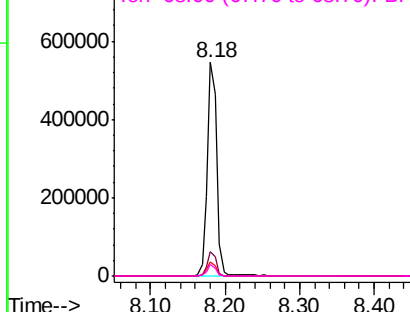
Delta R.T. 0.00 min

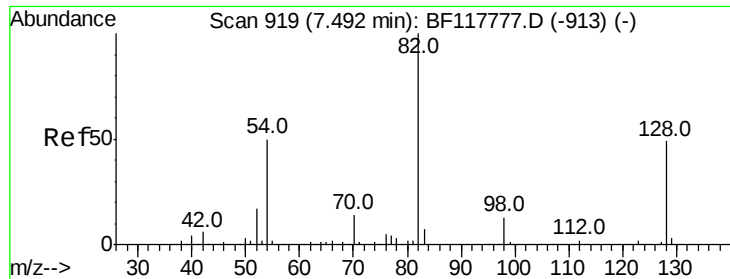
Lab File: BF118008.D

Acq: 26 Nov 2019 15:43

Tgt Ion:	136	Resp:	482589
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	6.8	5.4	8.2
68	5.4	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





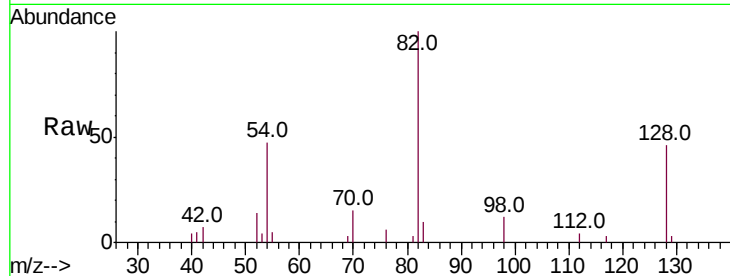
#23
Nitrobenzene-d5
Concen: 1.180 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF118008.D
Acq: 26 Nov 2019 15:43

Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

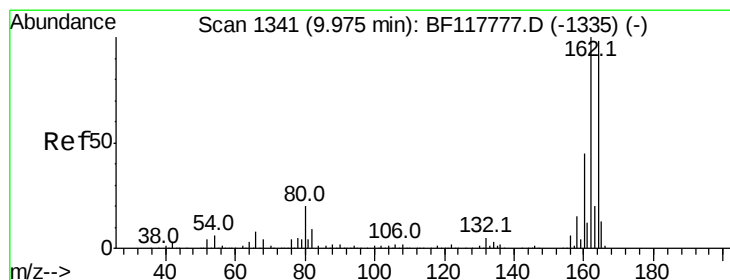
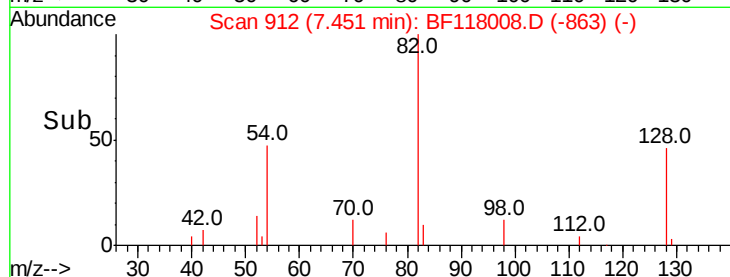
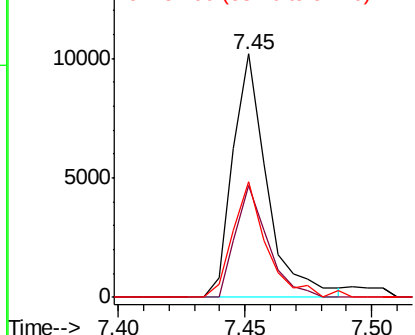
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	38.9	58.3
54	47.4	39.8	59.6

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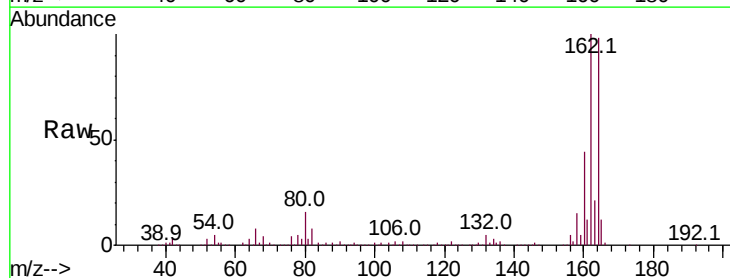


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

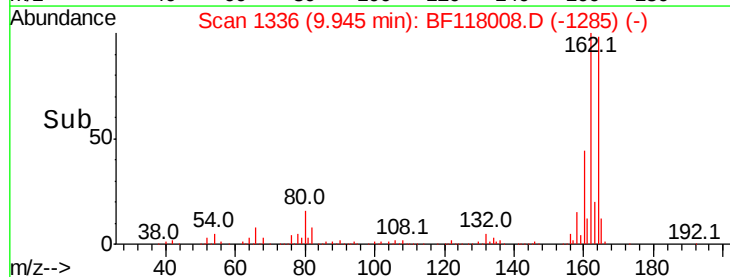
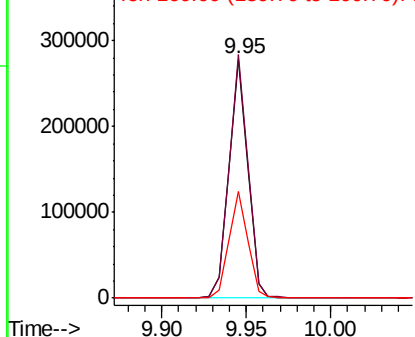


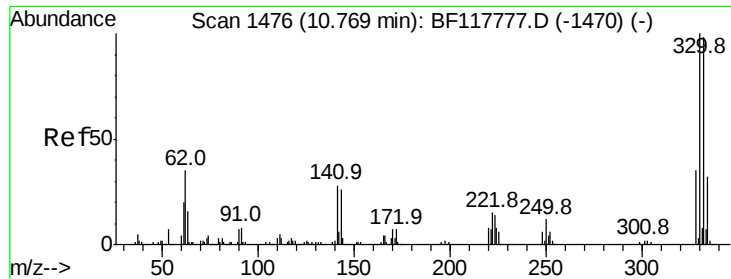
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF118008.D
Acq: 26 Nov 2019 15:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.3	121.9
160	44.9	36.6	55.0



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: 1.340 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BF118008.D

Acq: 26 Nov 2019 15:43

Instrument :

BNA_F

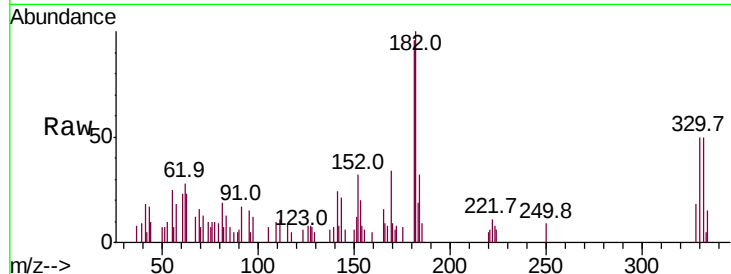
ClientSampleId :

EO-02-112219DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	105.3	76.7	115.1
141	71.9	27.7	41.5#

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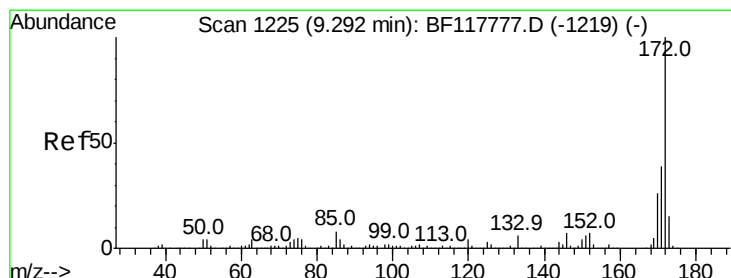
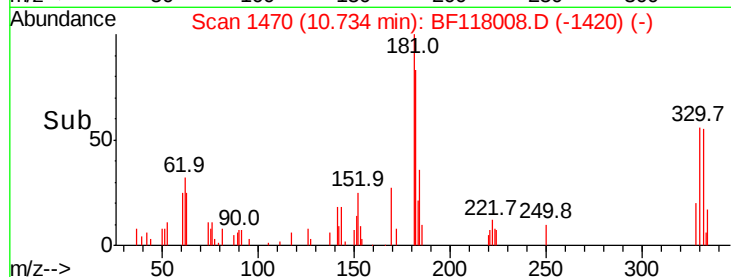
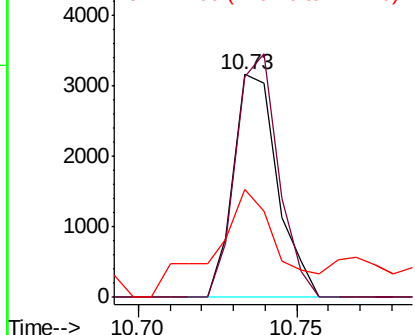


Abundance

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: 1.823 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF118008.D

Acq: 26 Nov 2019 15:43

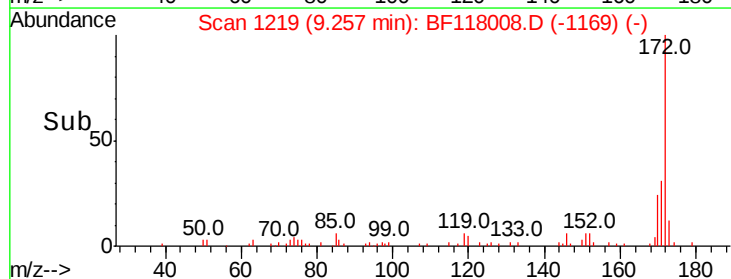
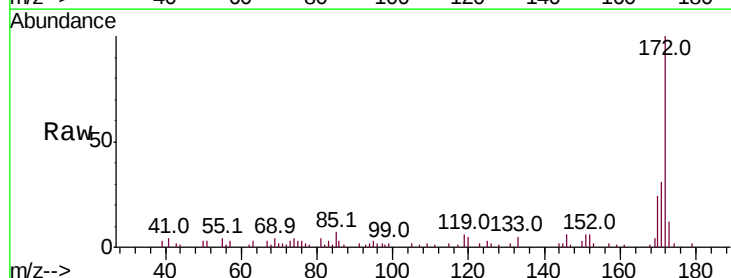
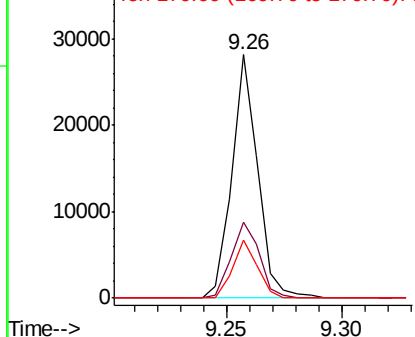
Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.0	30.9	46.3
170	23.7	21.0	31.4

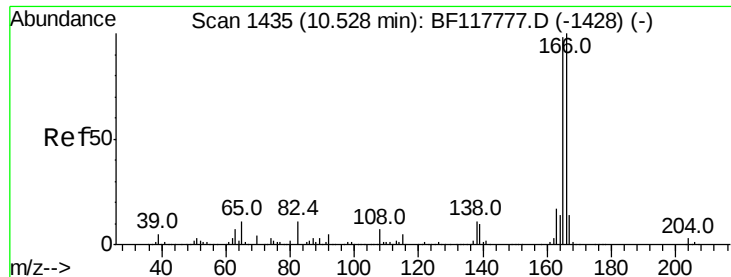
Abundance

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





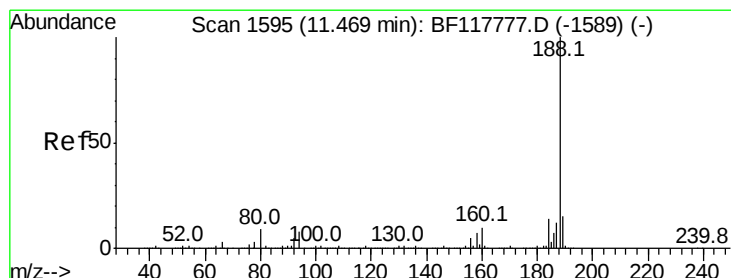
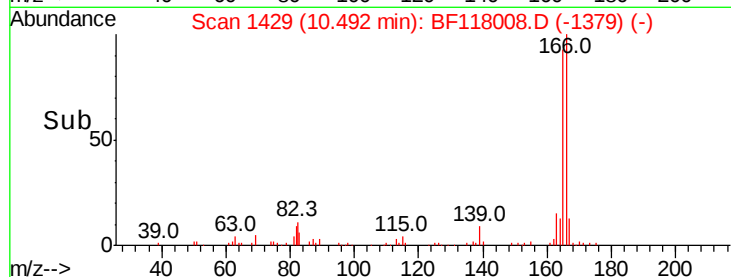
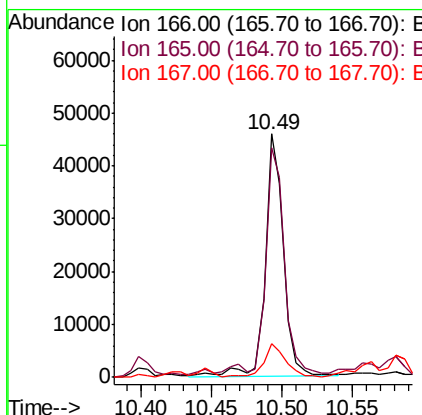
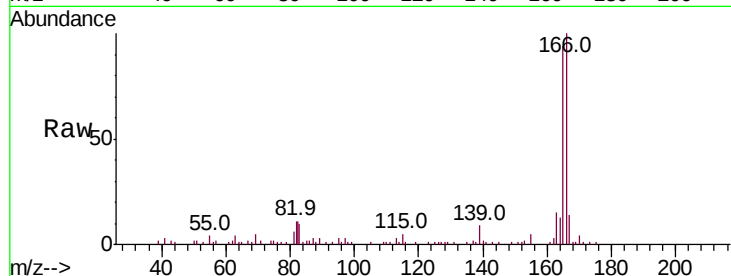
#58
 Fluorene
 Concen: 3.140 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF118008.D
 Acq: 26 Nov 2019 15:43

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-112219DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.3	78.4	117.6
167	13.9	11.0	16.4

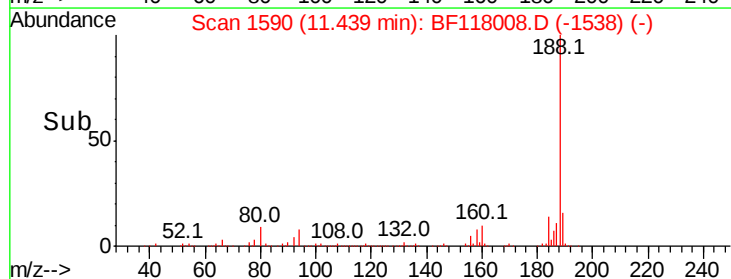
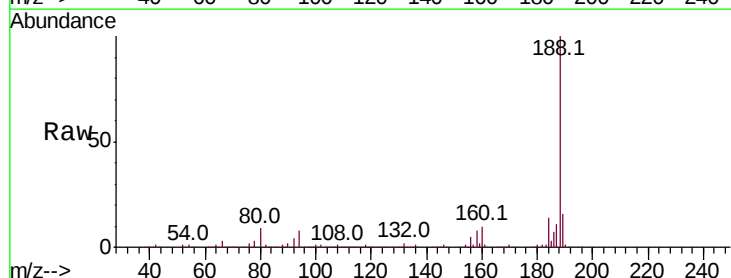
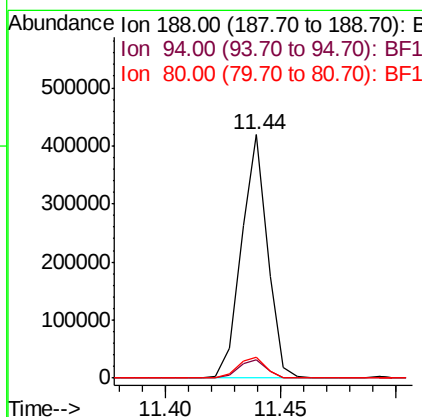
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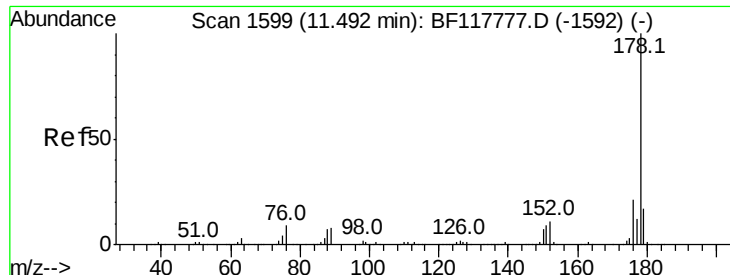
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF118008.D
 Acq: 26 Nov 2019 15:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.6	10.0
80	8.7	7.2	10.8





#71

Phenanthrene

Concen: 13.460 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BF118008.D

Acq: 26 Nov 2019 15:43

Instrument :

BNA_F

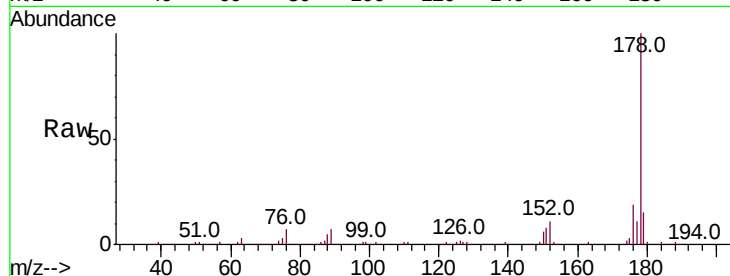
ClientSampleId :

EO-02-112219DL

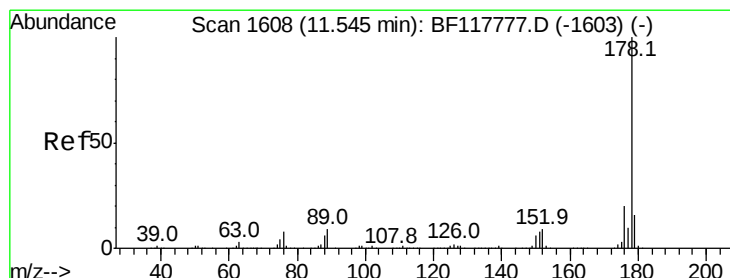
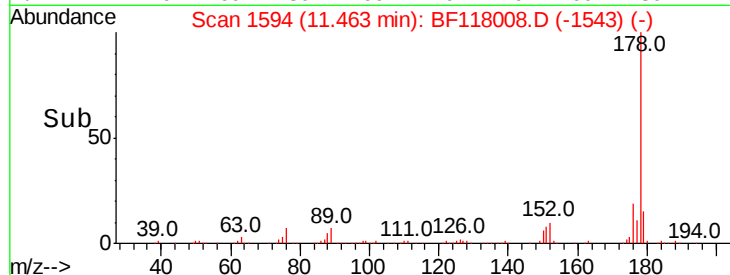
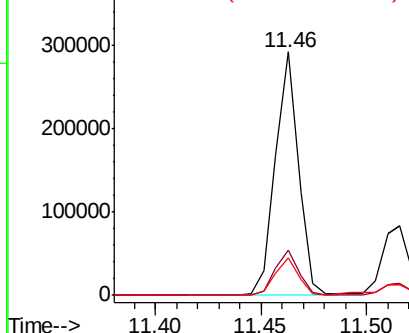
Tot Ion:	178	Resp:	223940
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.6	25.0
179	15.5	13.2	19.8

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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: 4.371 ng

RT: 11.52 min Scan# 1603

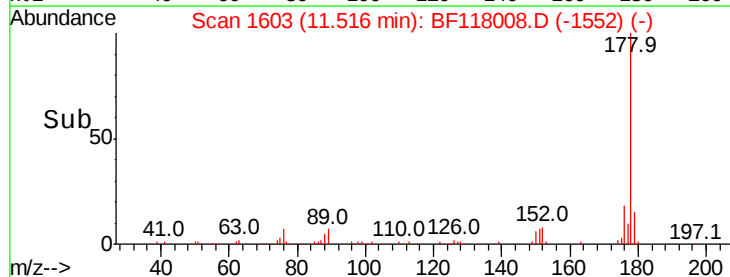
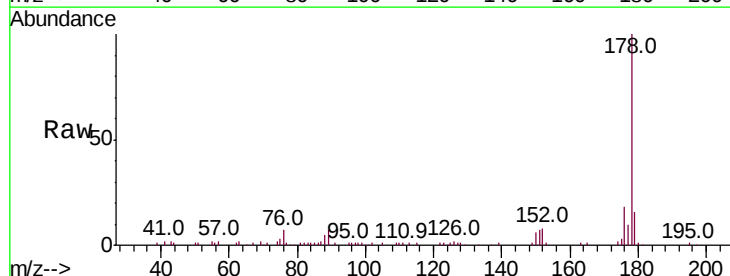
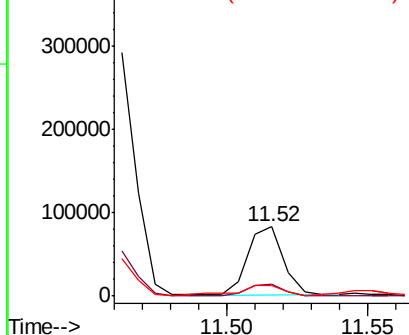
Delta R.T. 0.00 min

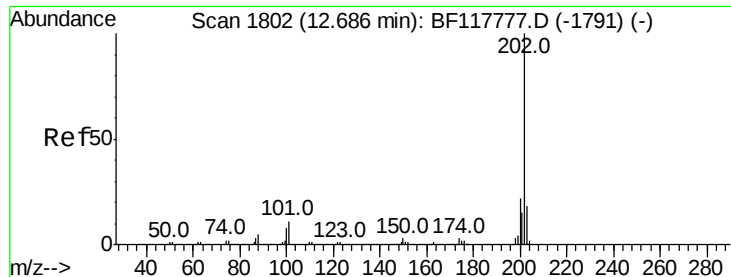
Lab File: BF118008.D

Acq: 26 Nov 2019 15:43

Tgt Ion:	178	Resp:	72098
Ion Ratio	Lower	Upper	
178	100		
176	17.6	16.1	24.1
179	15.6	13.0	19.4

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: 6.178 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.01 min

Lab File: BF118008.D

Acq: 26 Nov 2019 15:43

Instrument :

BNA_F

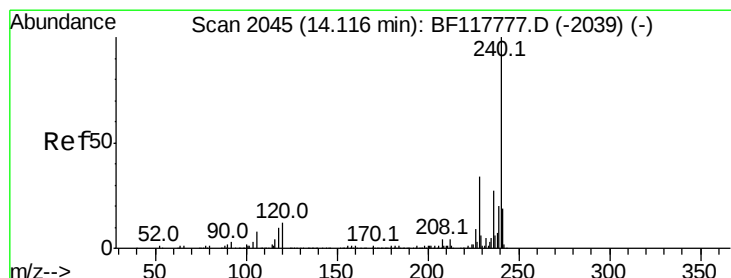
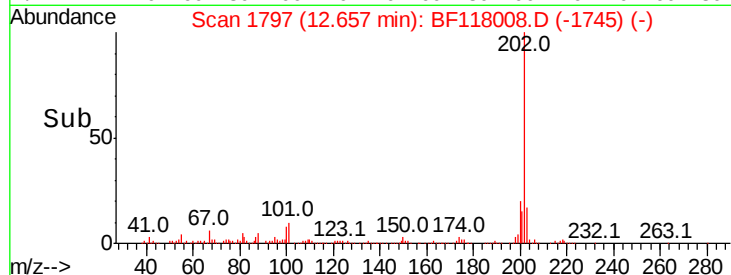
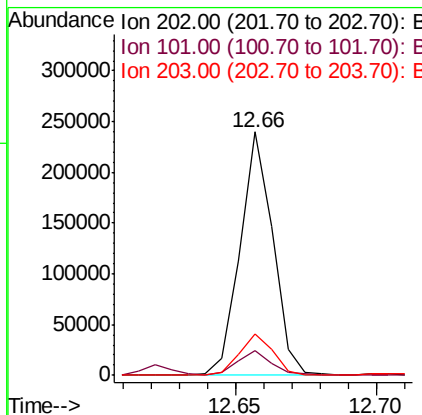
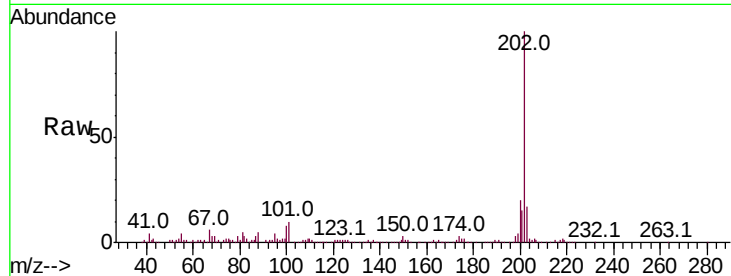
ClientSampleId :

EO-02-112219DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.3	0.0	31.1
203	17.2	0.0	38.2

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11/27/2019 11:33:34 PM



#76

Chrysene-d12

Concen: 20.000 ng

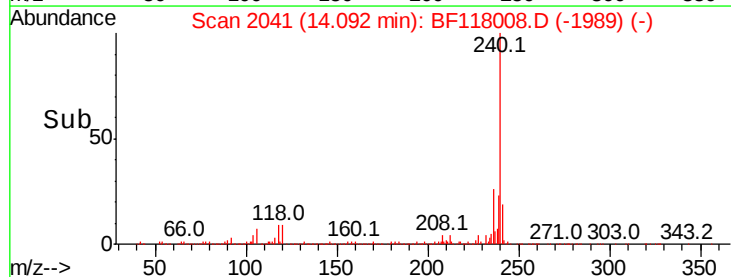
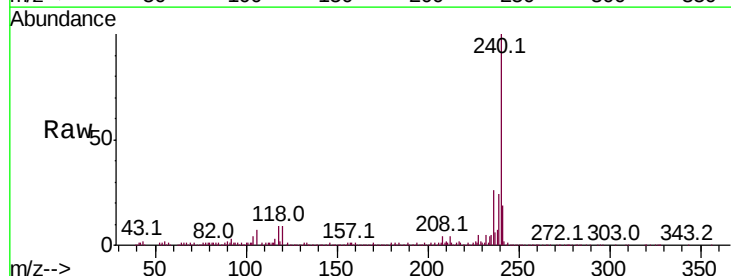
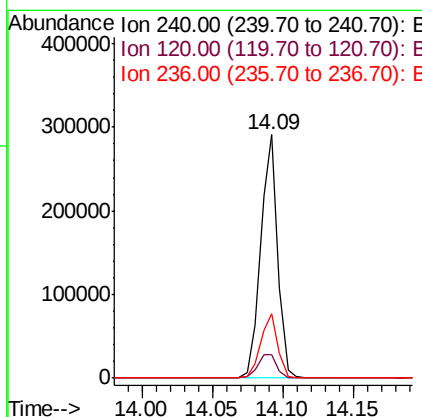
RT: 14.09 min Scan# 2041

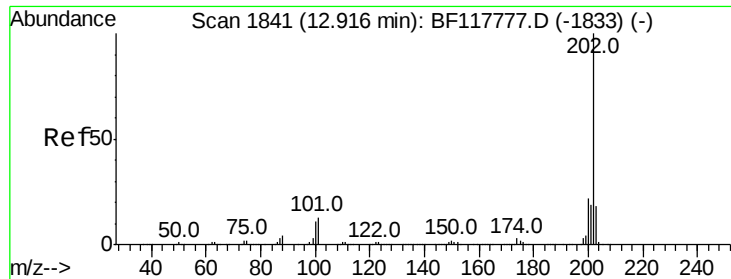
Delta R.T. 0.01 min

Lab File: BF118008.D

Acq: 26 Nov 2019 15:43

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.4	9.5	14.3#
236	26.4	21.3	31.9





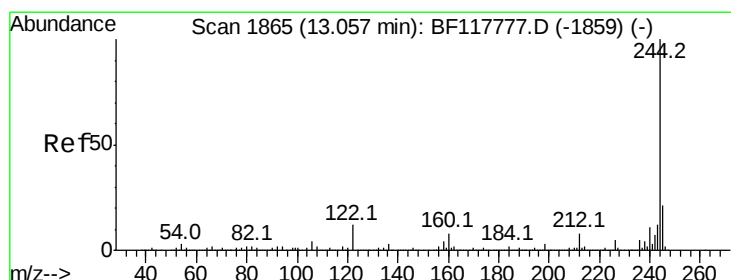
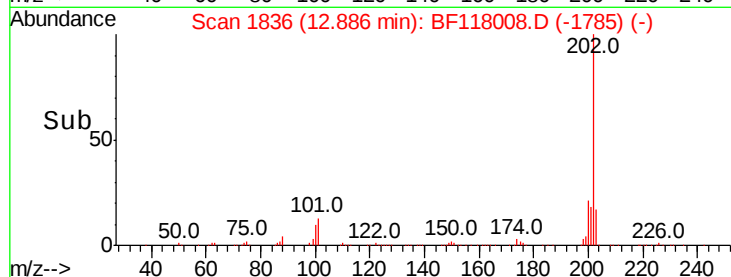
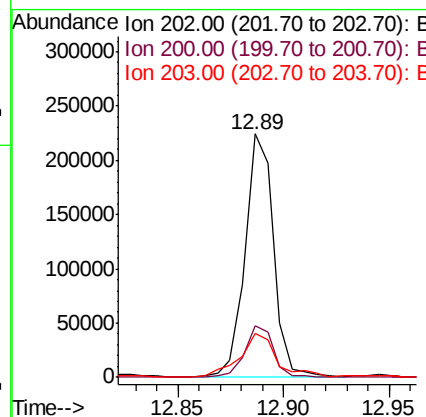
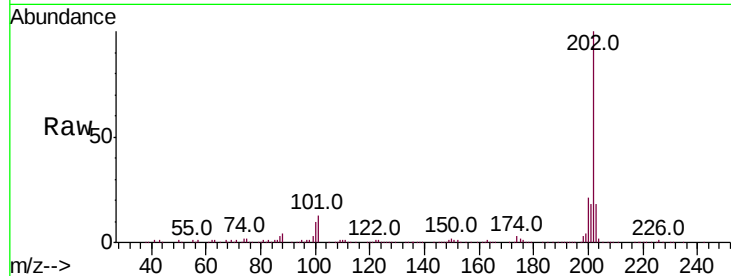
#78
 Pvrene
 Concen: 10.361 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: BF118008.D
 Acq: 26 Nov 2019 15:43

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-112219DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.3	17.8	26.8		
203	17.8	14.6	22.0		

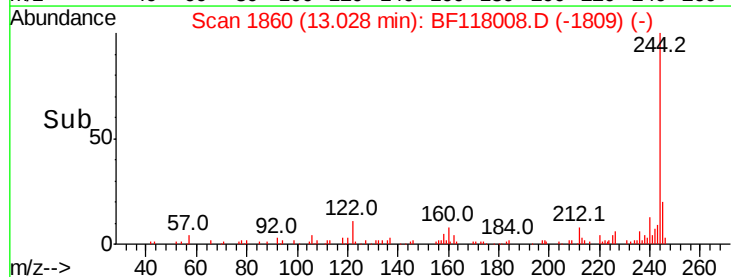
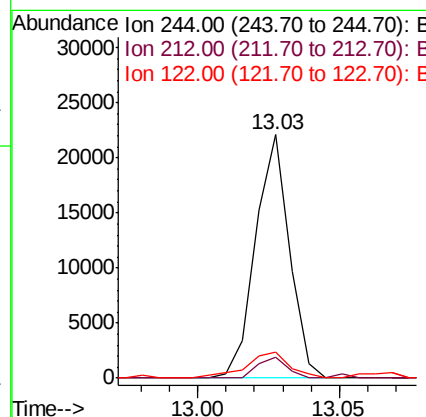
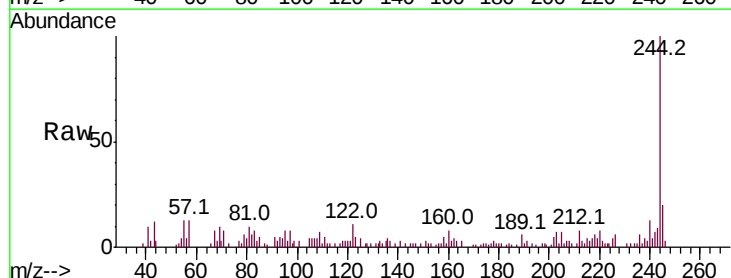
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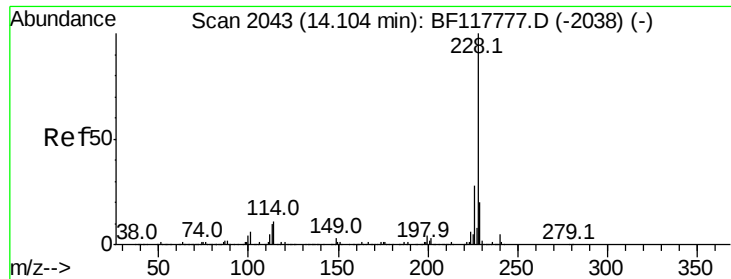
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#79
 Terphenyl-d14
 Concen: 1.351 ng
 RT: 13.03 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: BF118008.D
 Acq: 26 Nov 2019 15:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	8.4	6.3	9.5		
122	10.8	9.4	14.2		





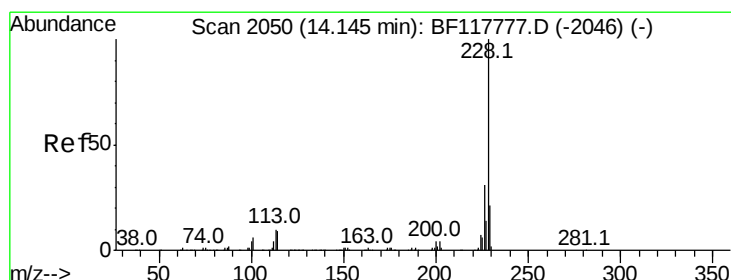
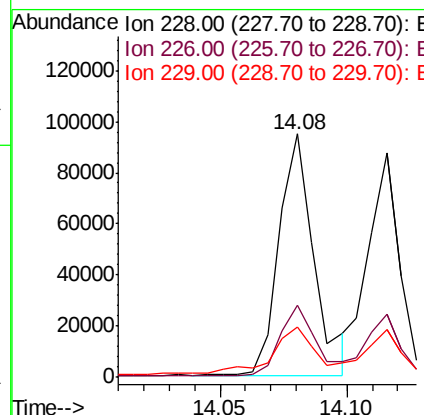
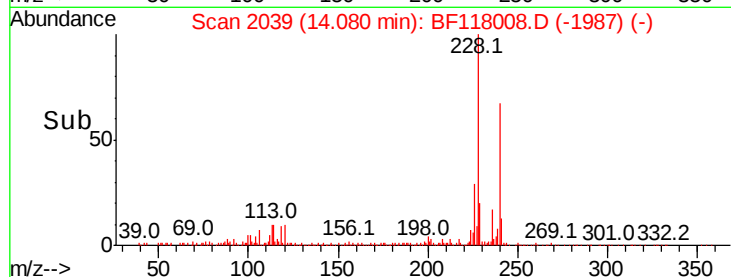
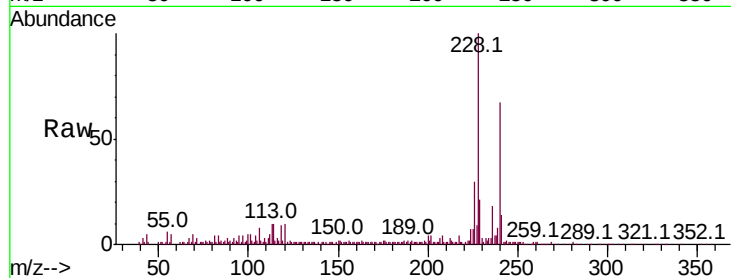
#81
Benzo(a)anthracene
Concen: 5.597 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF118008.D
Acq: 26 Nov 2019 15:43

Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.2	33.2
229	20.9	15.9	23.9

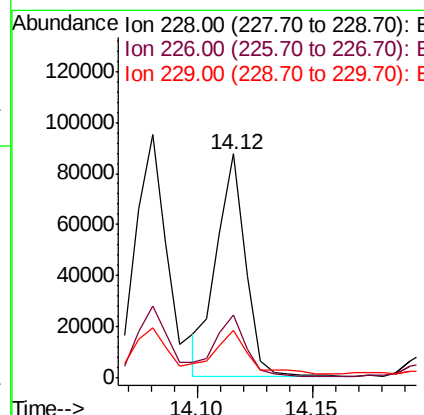
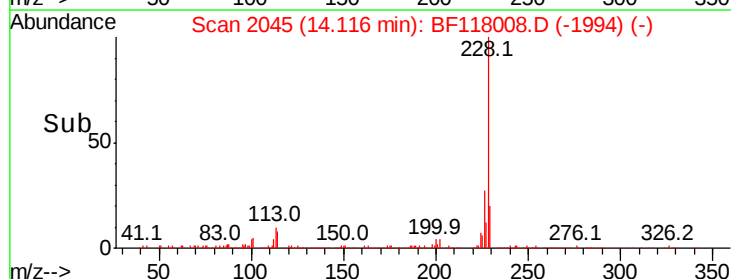
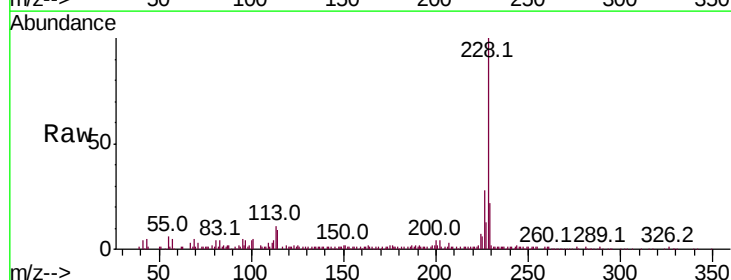
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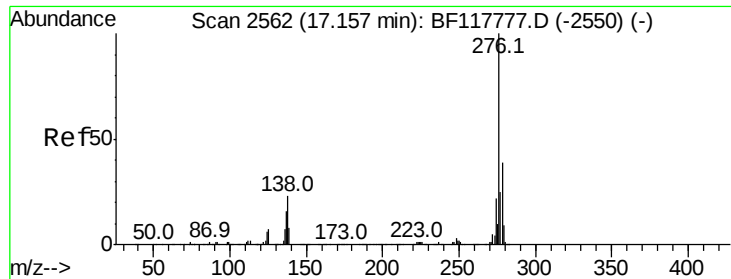
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11/27/2019 11:33:34 PM



#83
Chrysene
Concen: 4.768 ng
RT: 14.12 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BF118008.D
Acq: 26 Nov 2019 15:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	25.0	37.4
229	21.5	16.6	25.0





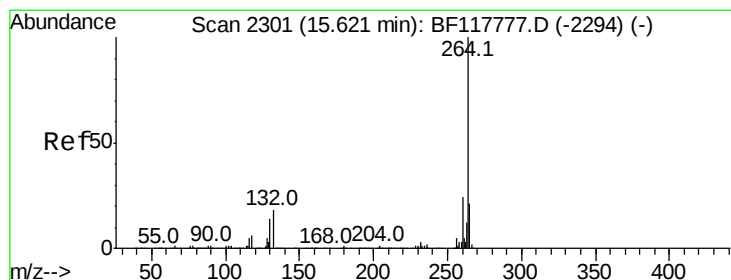
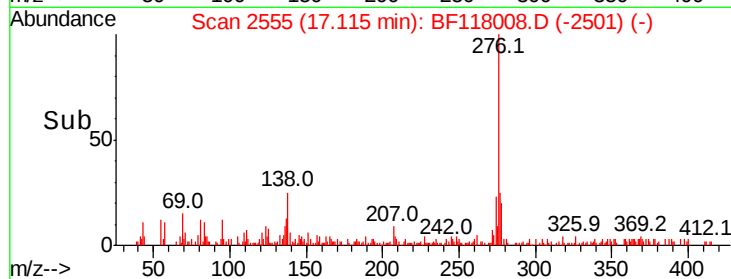
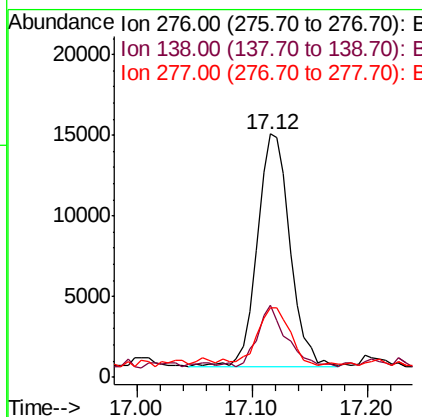
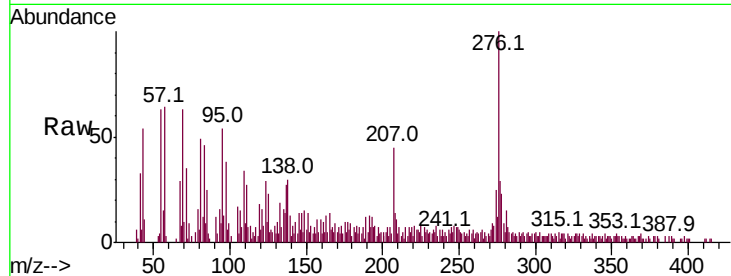
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.110 ng
RT: 17.12 min Scan# 2555
Delta R.T. 0.02 min
Lab File: BF118008.D
Acq: 26 Nov 2019 15:43

Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	20.9	31.3
277	23.8	20.3	30.5

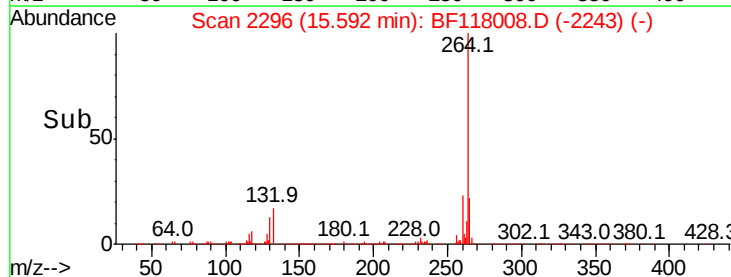
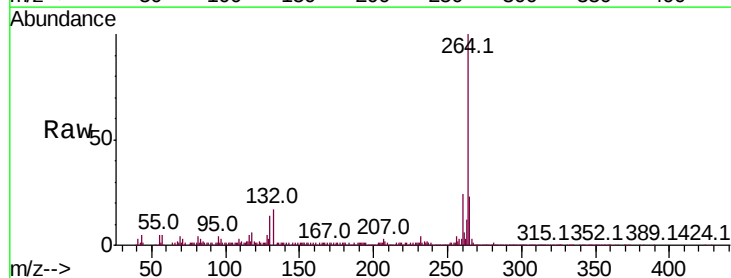
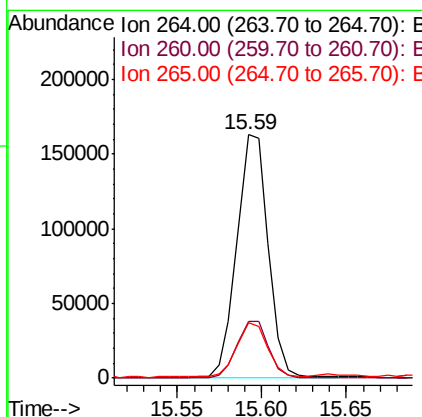
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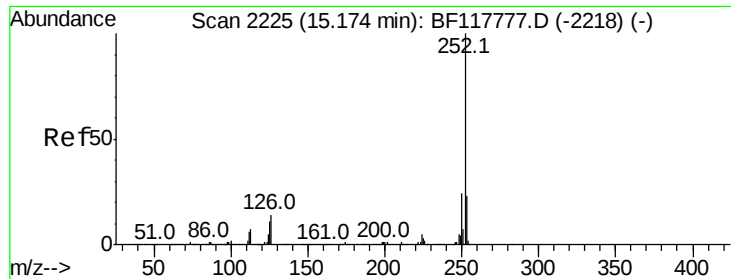
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.01 min
Lab File: BF118008.D
Acq: 26 Nov 2019 15:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.0
265	22.6	17.1	25.7





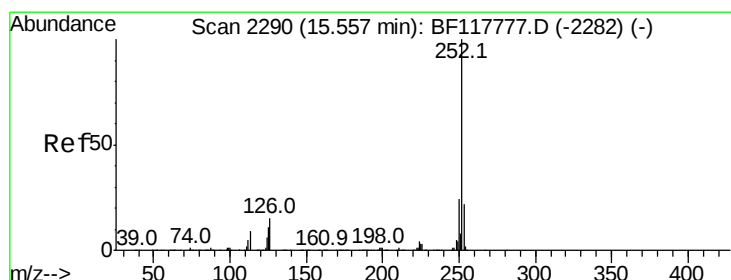
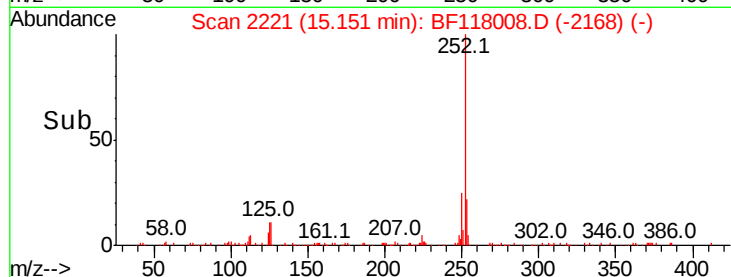
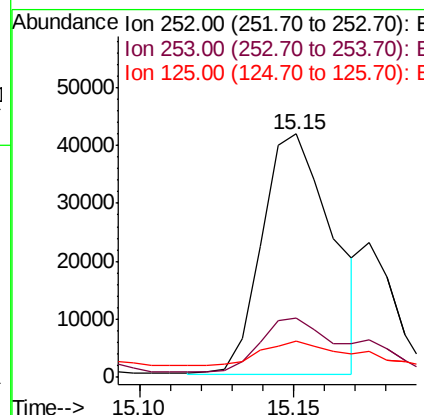
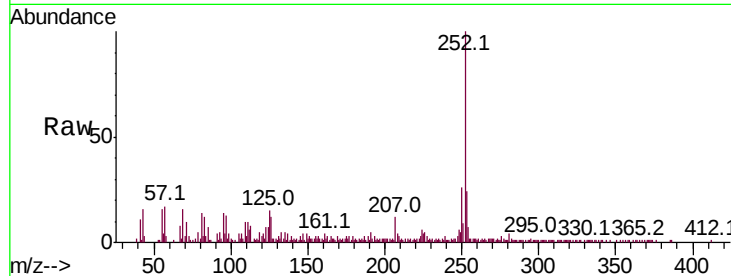
#88
Benzo(b)fluoranthene
Concen: 4.890 ng m
RT: 15.15 min Scan# 2221
Delta R.T. 0.01 min
Lab File: BF118008.D
Acq: 26 Nov 2019 15:43

Instrument :
BNA_F
ClientSampleId :
EO-02-112219DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	14.9	8.6	13.0

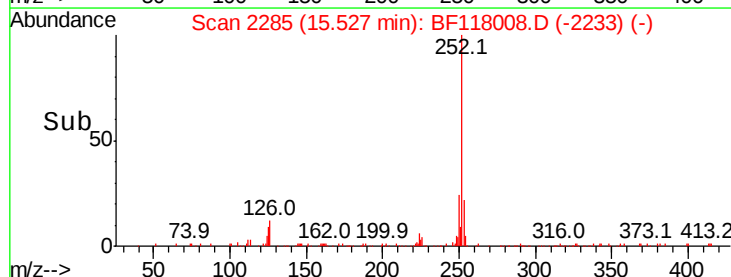
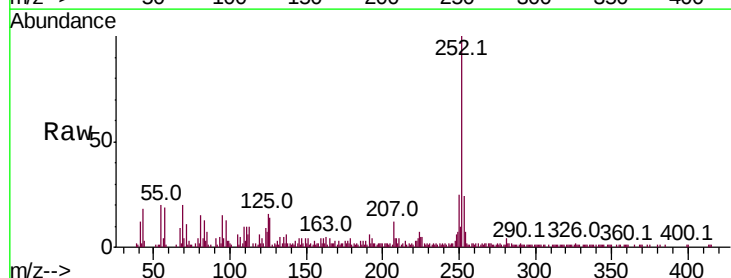
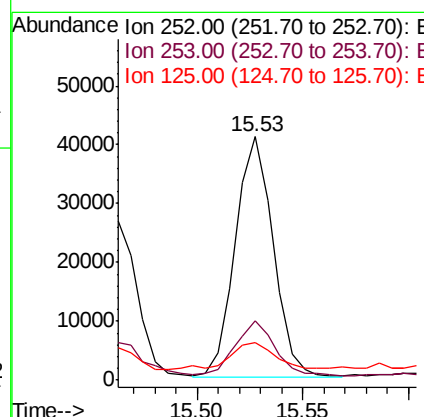
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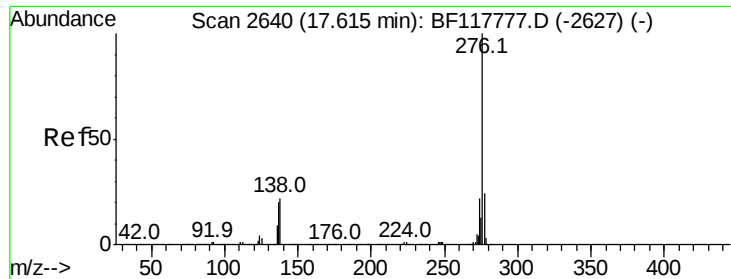
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#90
Benzo(a)pyrene
Concen: 4.231 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF118008.D
Acq: 26 Nov 2019 15:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	15.7	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 2.925 ng
 RT: 17.57 min Scan# 2633
 Delta R.T. 0.02 min
 Lab File: BF118008.D
 Acq: 26 Nov 2019 15:43

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-112219DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.9	18.9	28.3#
138	25.8	17.4	26.2

Manual Integrations
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