

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
 Data File : BF111907.D
 Acq On : 8 Jan 2019 15:20
 Operator : JU/SJ
 Sample : K1012-03 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-010419-B

Manual Integrations
 APPROVED

Sohil
 1/9/2019 10:36:42 AM

Quant Time: Jan 08 18:09:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	148544	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	517444	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	197220	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	374181	20.00	ng	-0.01
76) Chrysene-d12	14.04	240	430124	20.00	ng	-0.01
87) Perylene-d12	15.53	264	374265	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	479238	55.19	ng	0.00
7) Phenol-d6	6.52	99	570464	50.98	ng	-0.01
23) Nitrobenzene-d5	7.44	82	379316	39.18	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	122825	47.88	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	491741	36.36	ng	-0.02
79) Terphenyl-d14	12.99	244	534381	23.58	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.63	163	35970	2.428	ng	Qvalue # 97
71) Phenanthrene	11.43	178	148845	7.440	ng	99
75) Fluoranthene	12.62	202	268972	13.097	ng	98
78) Pyrene	12.85	202	272877	9.220	ng	98
81) Benzo(a)anthracene	14.03	228	145597	5.882	ng	98
83) Chrysene	14.07	228	128971m	5.464	ng	
86) Indeno(1,2,3-cd)pyrene	17.02	276	39710	2.308	ng	96
88) Benzo(b)fluoranthene	15.09	252	143791m	6.423	ng	
90) Benzo(a)pyrene	15.46	252	92769	4.713	ng	# 90
92) Benzo(g,h,i)perylene	17.46	276	33289	2.150	ng	# 91

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

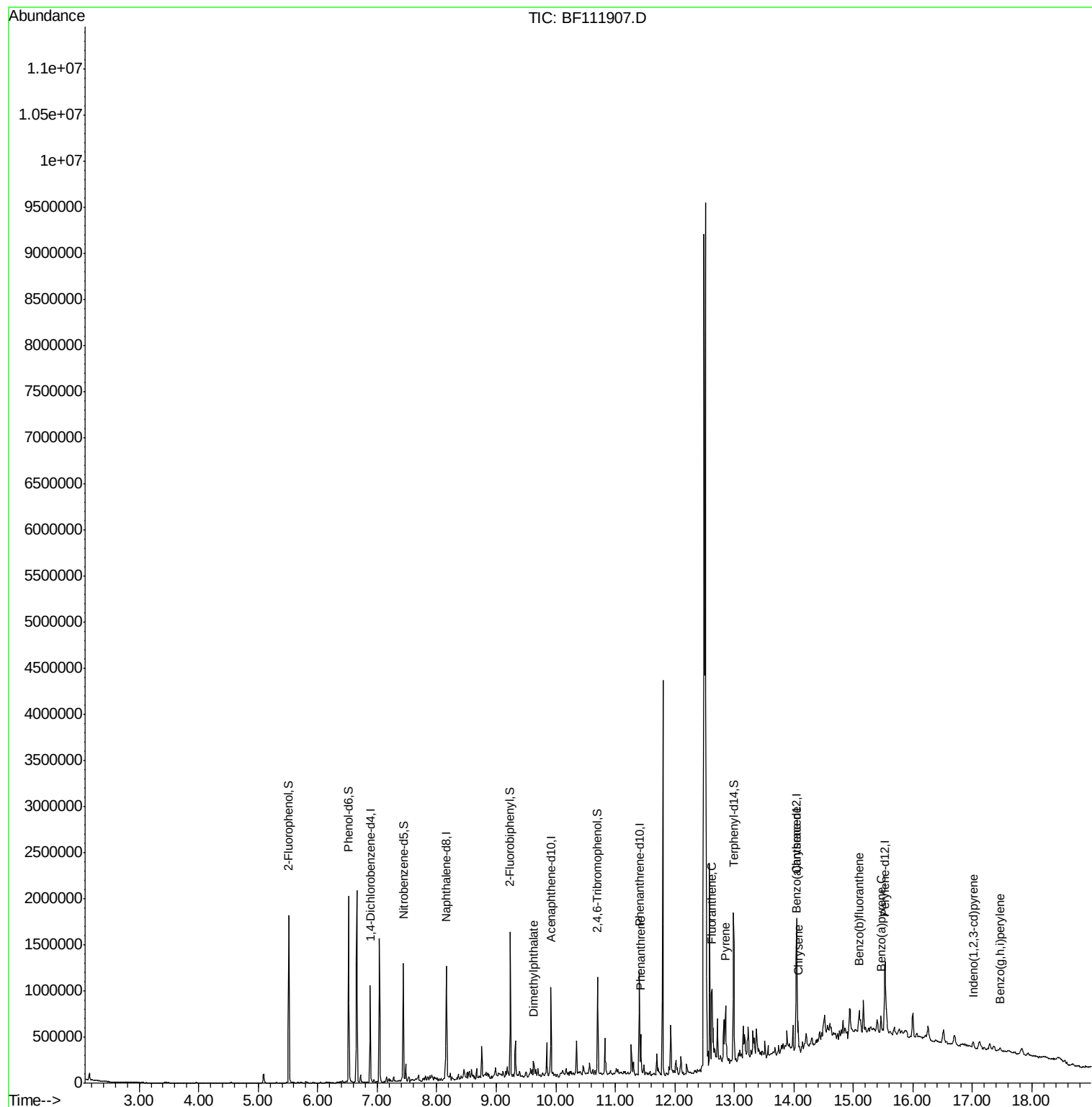
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111907.D
Acq On : 8 Jan 2019 15:20
Operator : JU/SJ
Sample : K1012-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

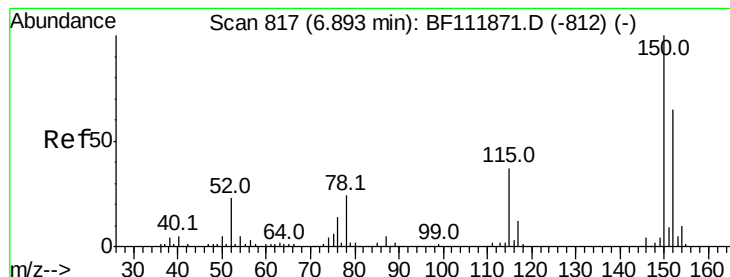
Instrument :
BNA_F
ClientSampleId :
EO-02-010419-B

Quant Time: Jan 08 18:09:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
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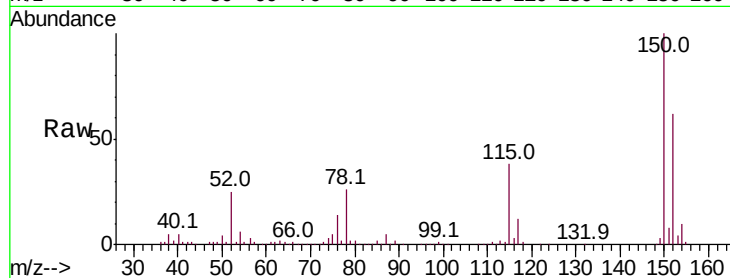
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF111907.D
 Acq: 8 Jan 2019 15:20

Instrument :
 BNA_F
 ClientSampled :
 EO-02-010419-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.6	122.7	184.1
115	61.4	45.2	67.8

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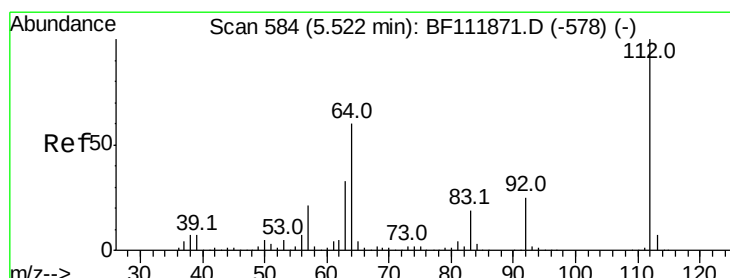
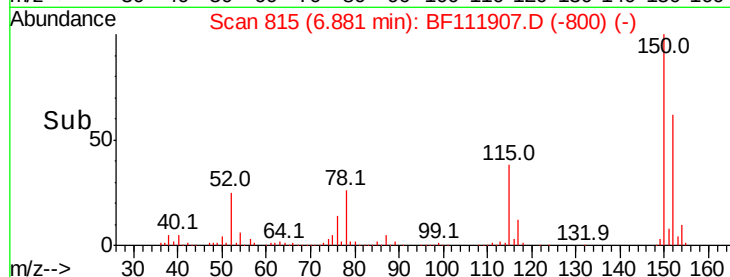
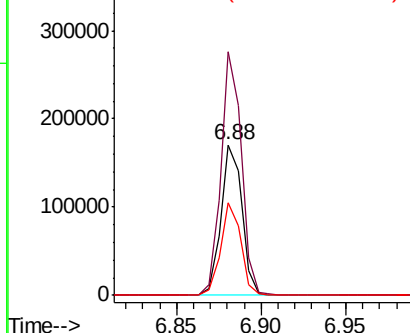


Abundance

Ion 152.00 (151.70 to 152.70): E

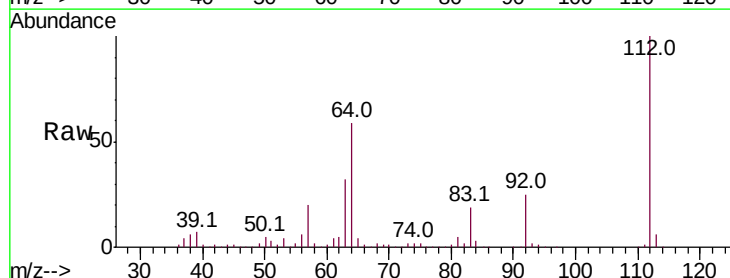
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 55.195 ng
 RT: 5.52 min Scan# 583
 Delta R.T. -0.01 min
 Lab File: BF111907.D
 Acq: 8 Jan 2019 15:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	48.3	72.5
63	31.9	26.1	39.1

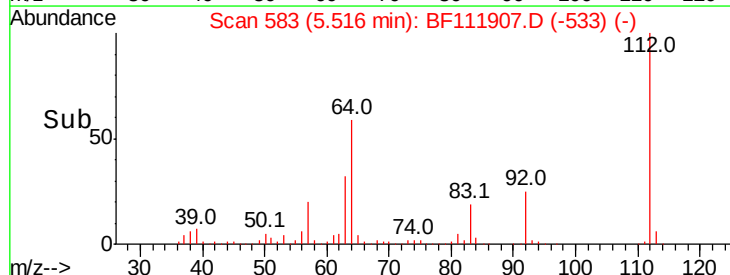
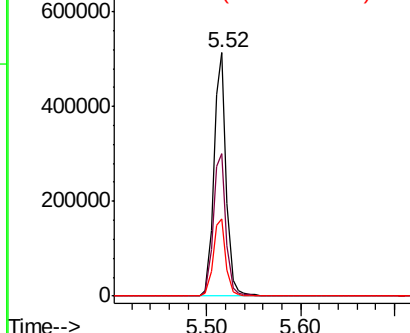


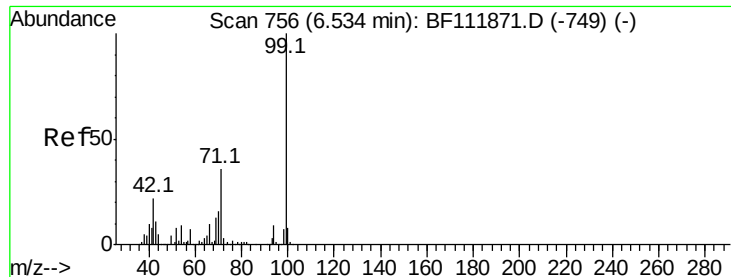
Abundance

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: 50.976 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

Instrument :

BNA_F

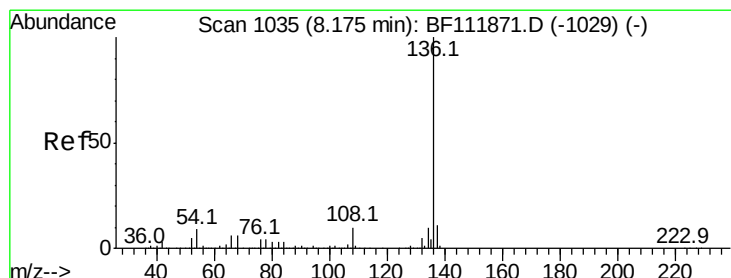
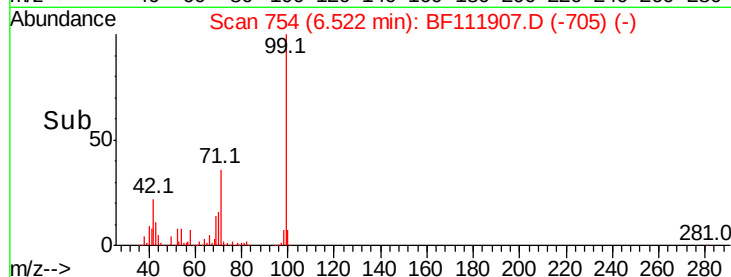
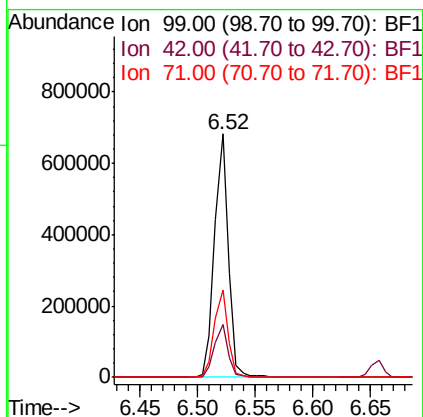
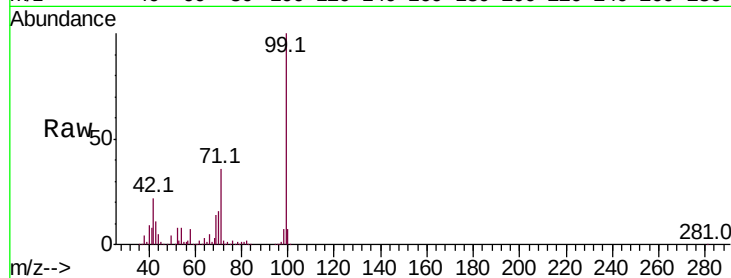
ClientSampleId :

EO-02-010419-B

Tot Ion:	99	Resp:	570464
Ion	Ratio	Lower	Upper
99	100		
42	21.9	17.9	26.9
71	36.0	28.7	43.1

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#21

Naphthalene-d8

Concen: 20.000 ng

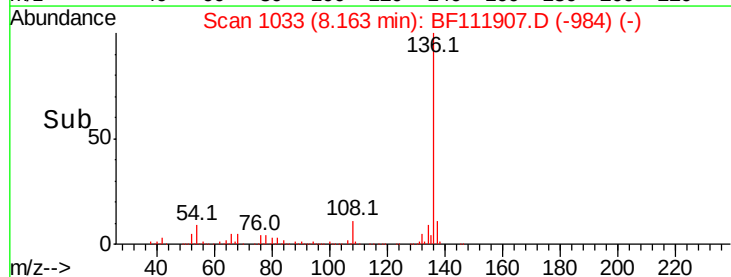
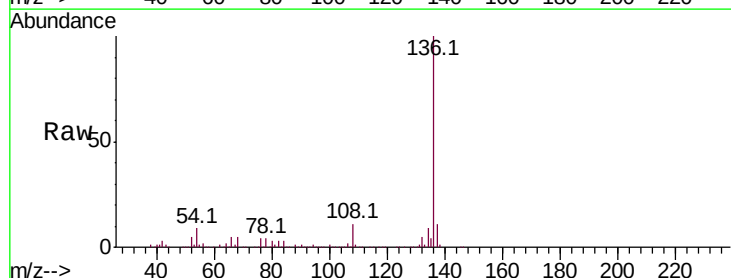
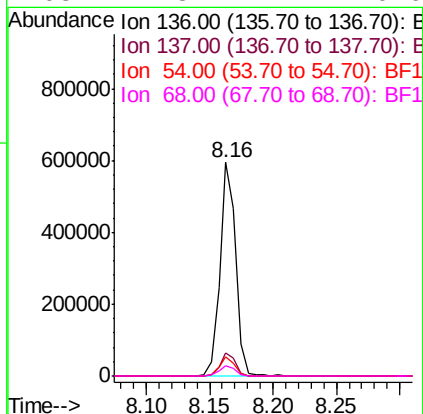
RT: 8.16 min Scan# 1033

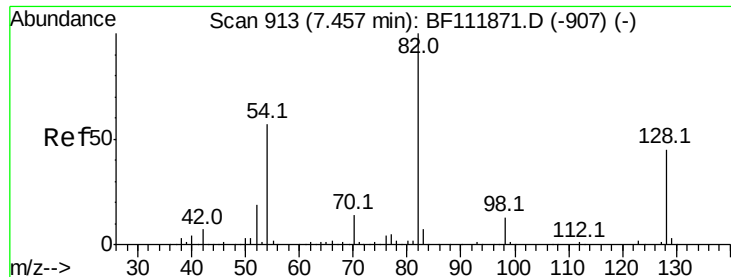
Delta R.T. -0.01 min

Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

Tgt Ion:	136	Resp:	517444
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	9.0	7.2	10.8
68	4.8	4.4	6.6





#23

Nitrobenzene-d5

Concen: 39.178 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

Instrument :

BNA_F

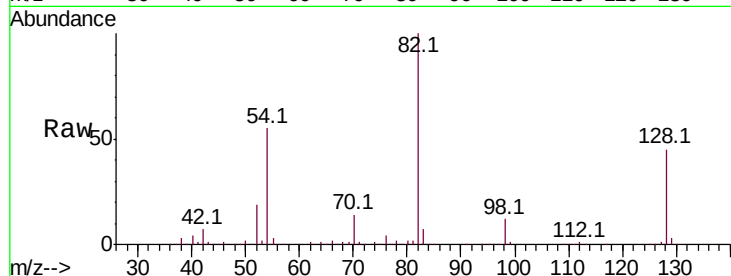
ClientSampleId :

EO-02-010419-B

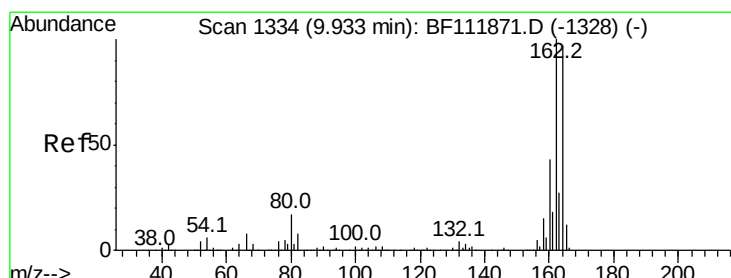
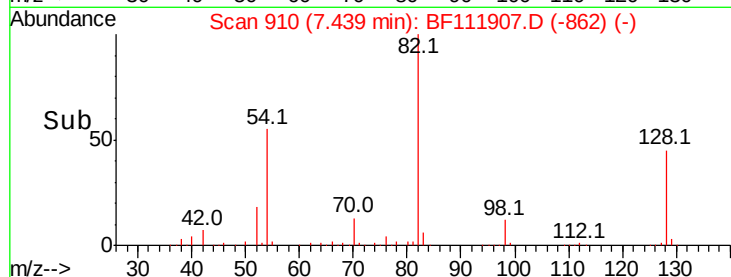
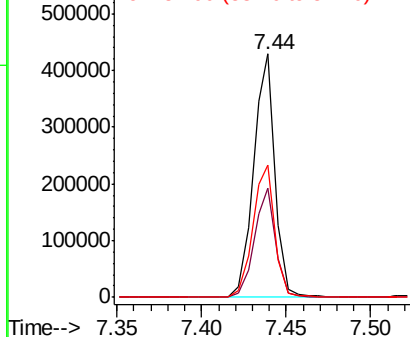
Tot Ion:	82	Resp:	379316
Ion Ratio	Lower	Upper	
82	100		
128	44.7	35.7	53.5
54	54.5	45.8	68.8

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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: 9.92 min Scan# 1331

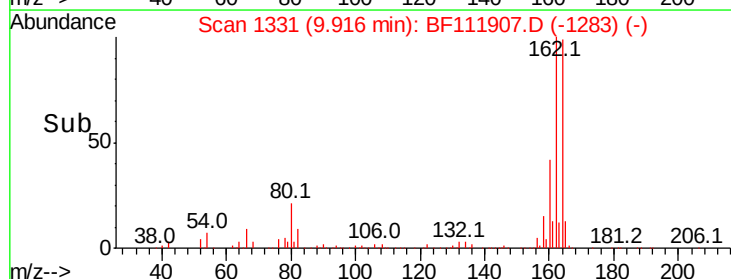
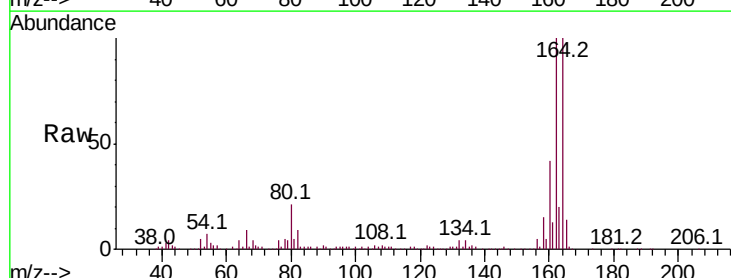
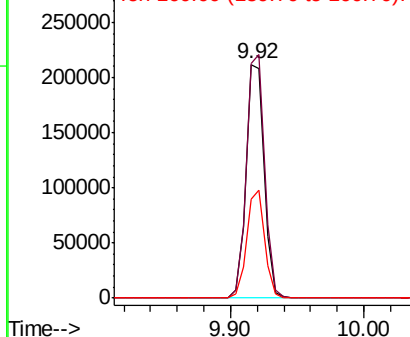
Delta R.T. -0.02 min

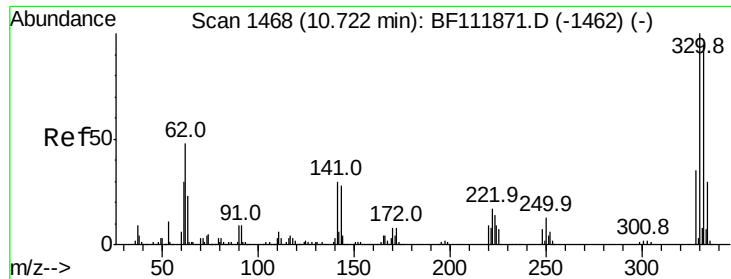
Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

Tgt Ion:	164	Resp:	197220
Ion Ratio	Lower	Upper	
164	100		
162	100.3	82.2	123.2
160	42.5	35.5	53.3

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: 47.881 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.02 min

Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

Instrument :

BNA_F

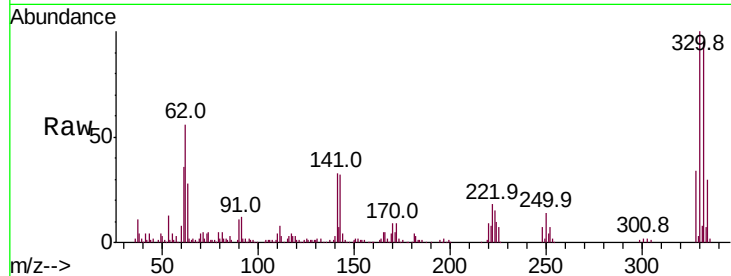
ClientSampleId :

EO-02-010419-B

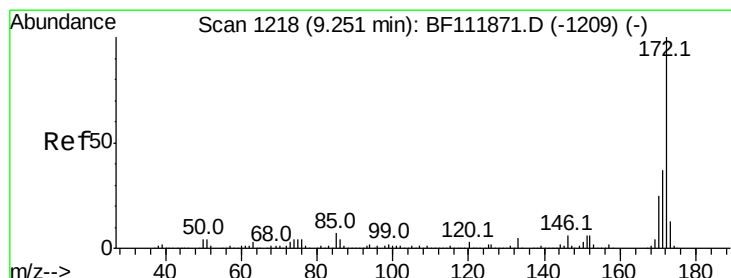
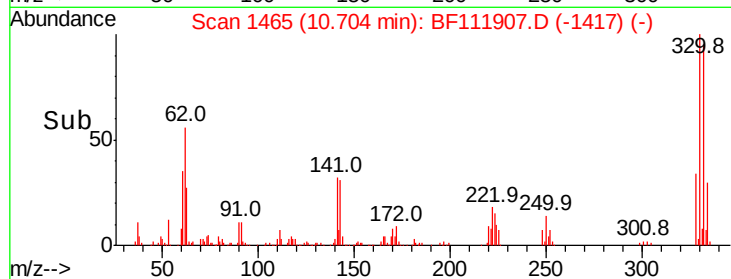
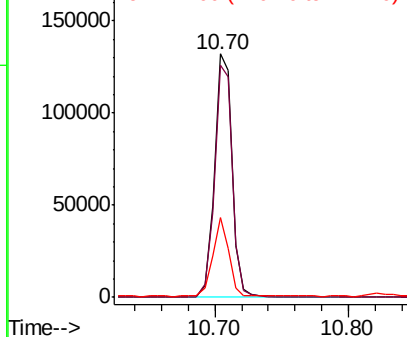
Tot Ion:	330	Resp:	122825
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.9	115.3
141	29.4	23.7	35.5

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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: 36.358 ng

RT: 9.23 min Scan# 1215

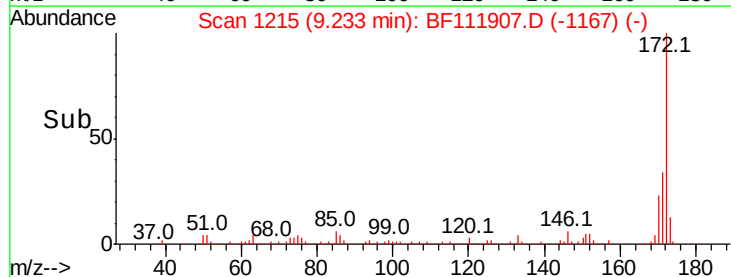
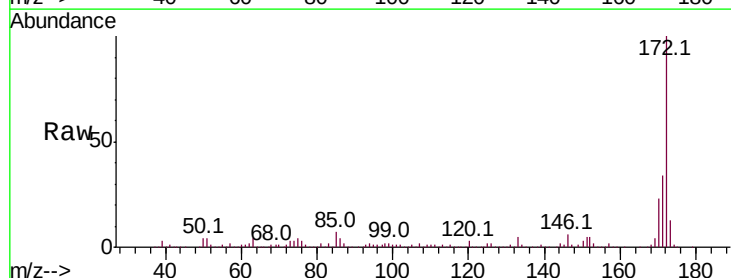
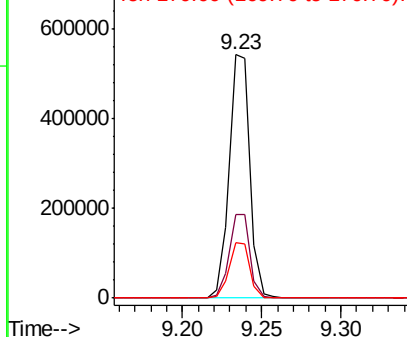
Delta R.T. -0.02 min

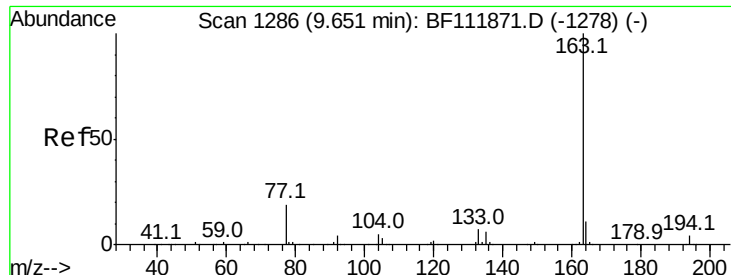
Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

Tgt Ion:	172	Resp:	491741
Ion Ratio	Lower	Upper	
172	100		
171	34.4	29.6	44.4
170	23.0	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





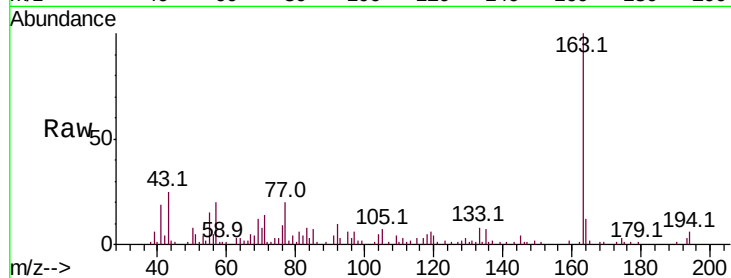
#50
Dimethylphthalate
Concen: 2.428 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EO-02-010419-B

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.6	3.4	5.2#
164	11.6	8.5	12.7

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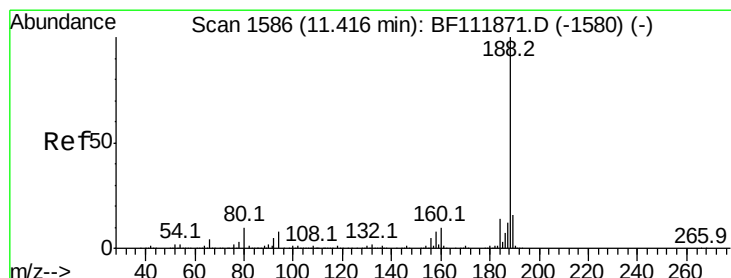
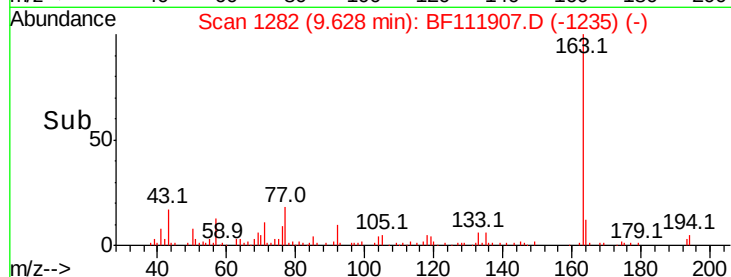
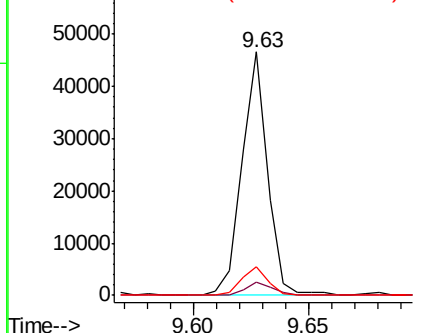


Abundance

Ion 163.00 (162.70 to 163.70): E

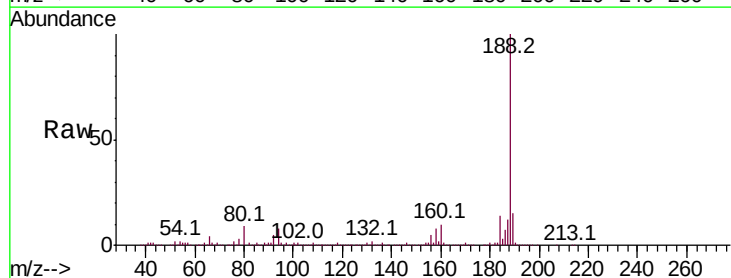
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.0	7.7	11.5

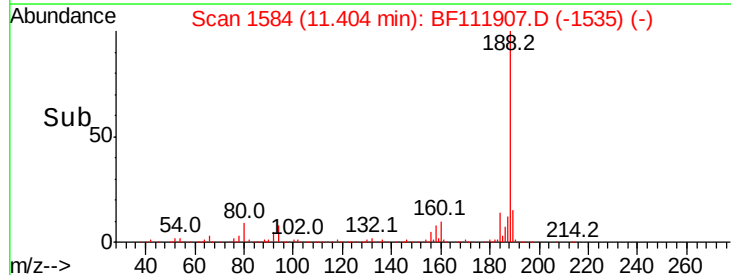
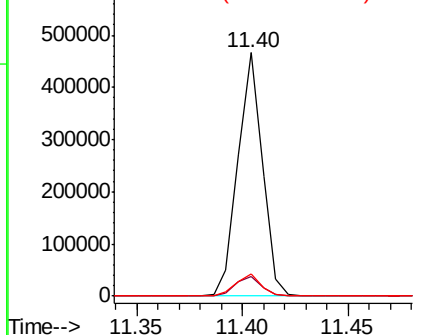


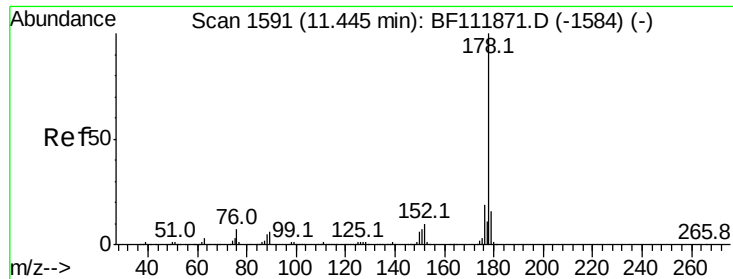
Abundance

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





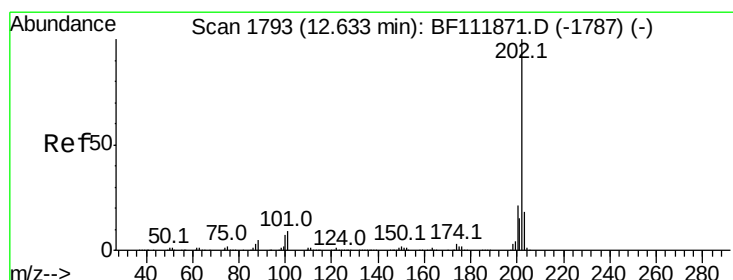
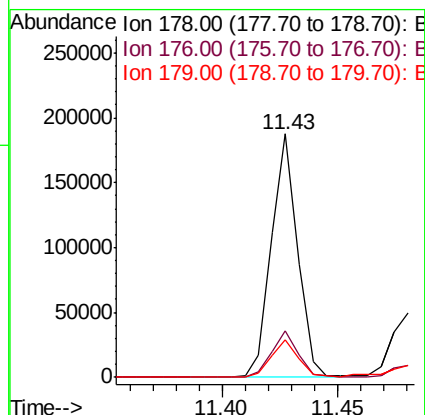
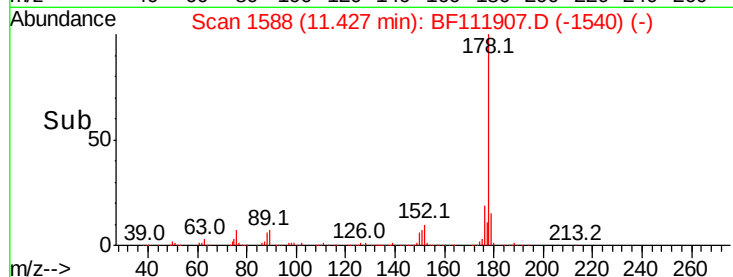
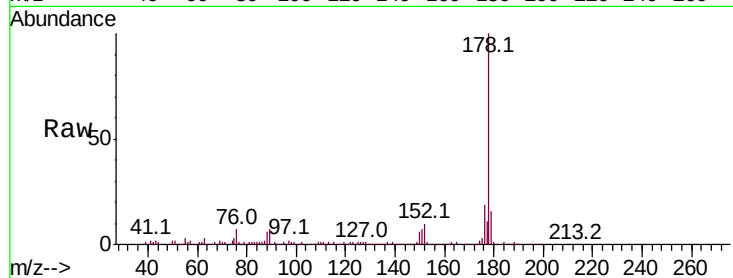
#71
Phenanthrene
Concen: 7.440 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EO-02-010419-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.7	12.6	18.8

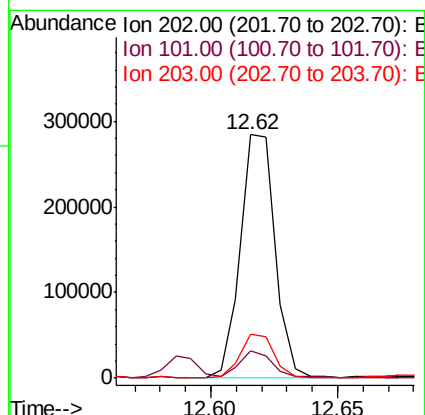
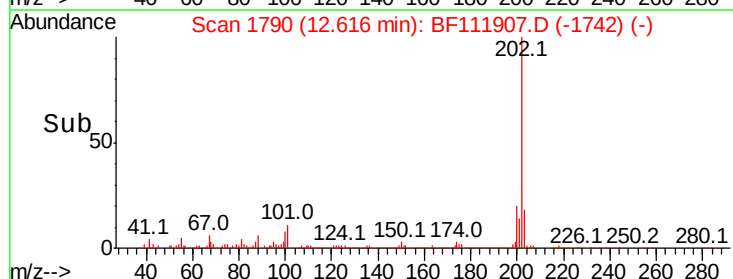
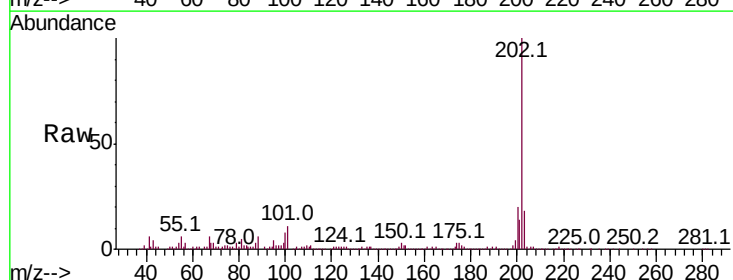
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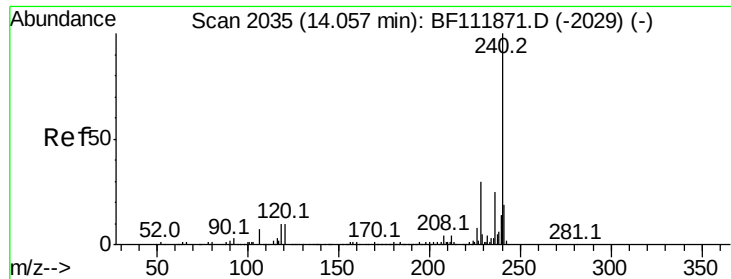
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#75
Fluoranthene
Concen: 13.097 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.02 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	29.3
203	17.9	0.0	37.6





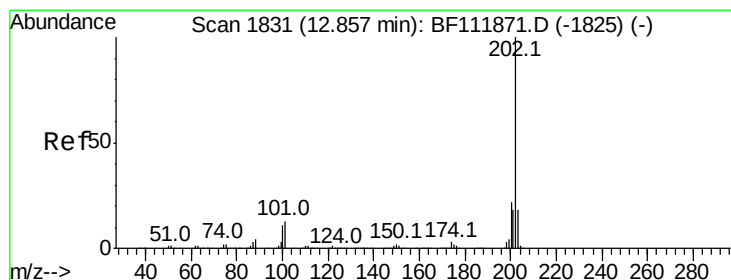
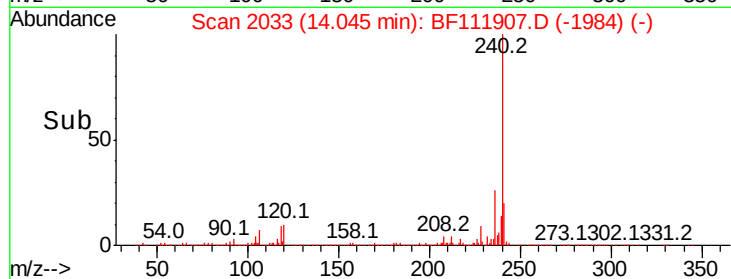
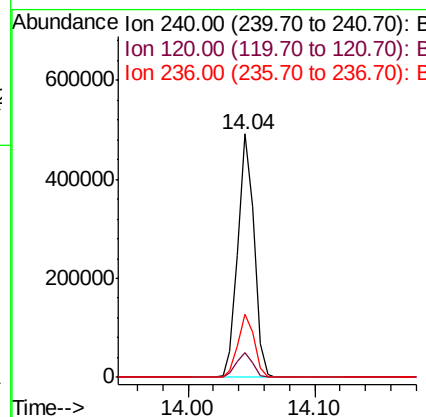
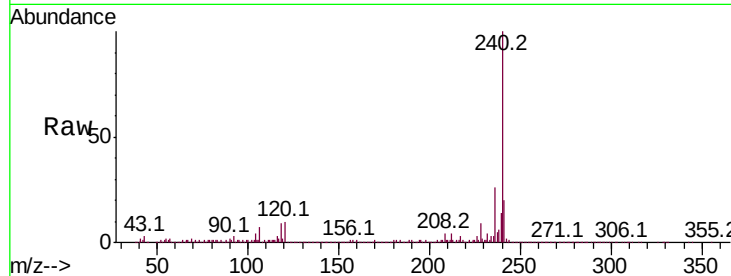
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EO-02-010419-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.2	12.2
236	26.0	20.2	30.4

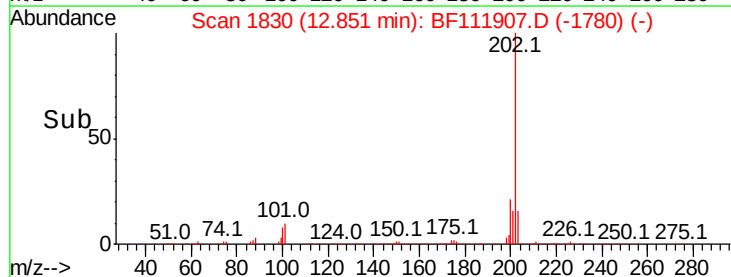
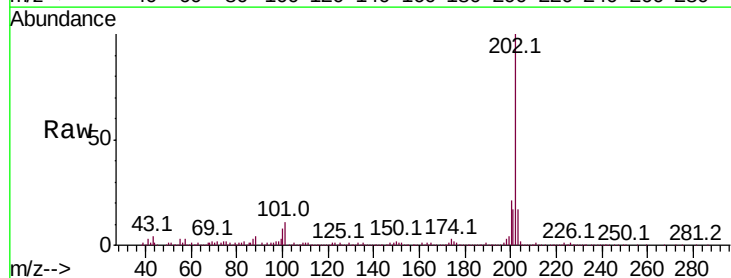
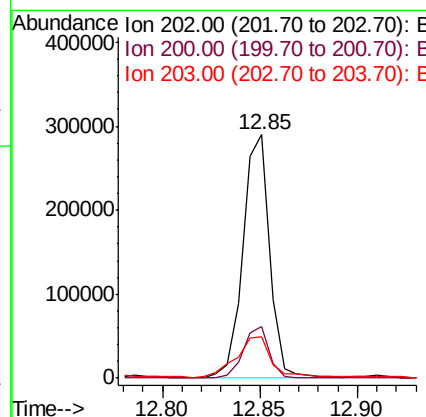
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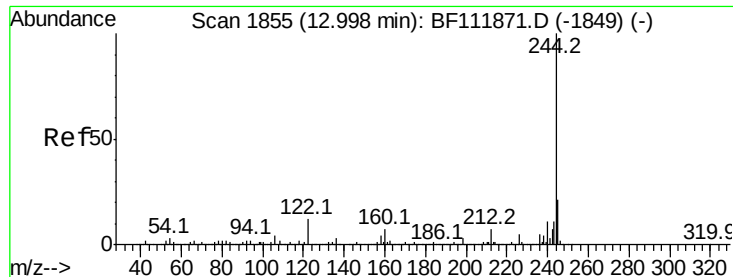
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#78
Pyrene
Concen: 9.220 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.3	14.6	21.8





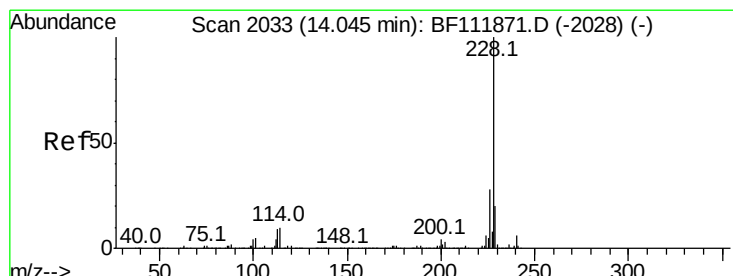
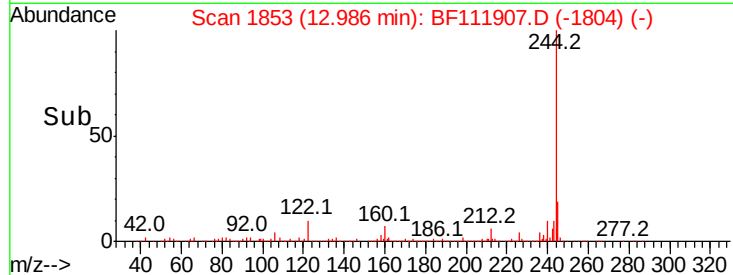
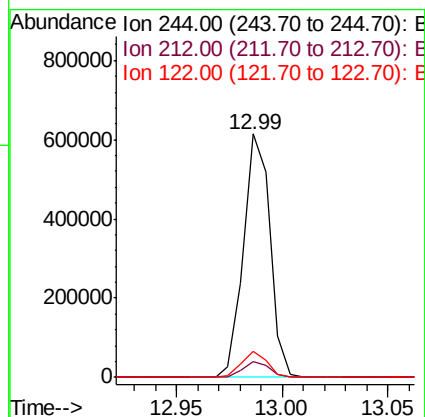
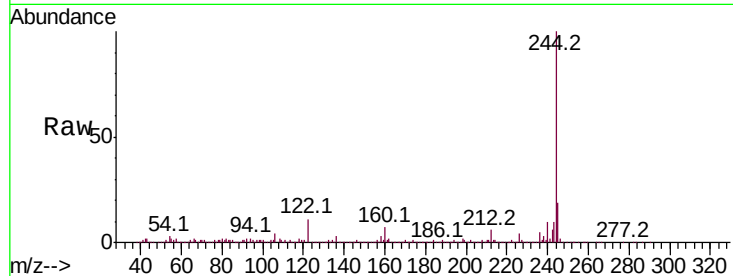
#79
 Terphenyl-d14
 Concen: 23.583 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF111907.D
 Acq: 8 Jan 2019 15:20

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-010419-B

Tot Ion:	244	Resp:	534381
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.8	8.8
122	10.5	9.5	14.3

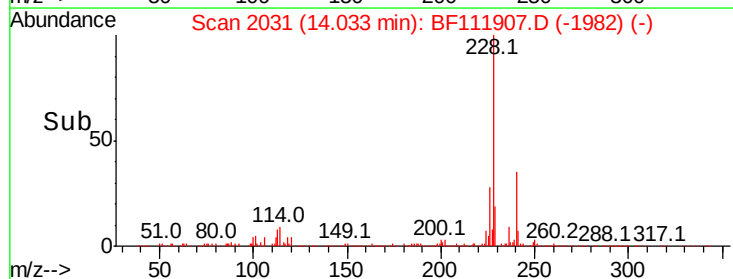
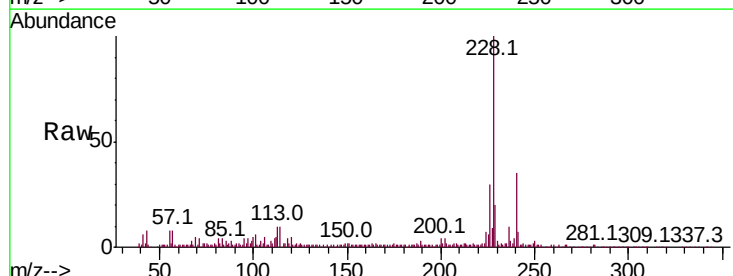
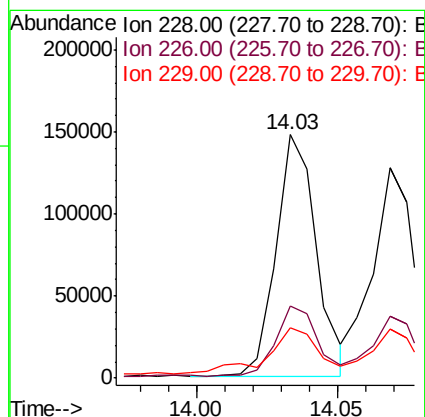
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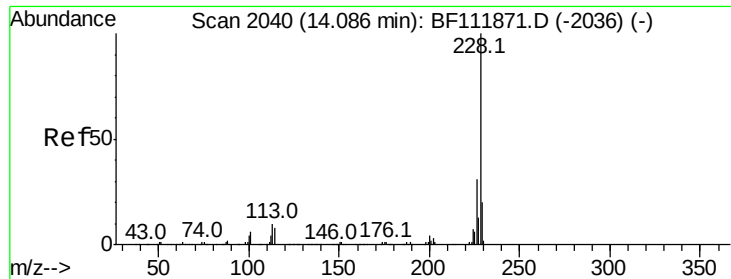
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#81
 Benzo(a)anthracene
 Concen: 5.882 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF111907.D
 Acq: 8 Jan 2019 15:20

Tgt Ion:	228	Resp:	145597
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.2	33.2
229	20.5	16.2	24.2





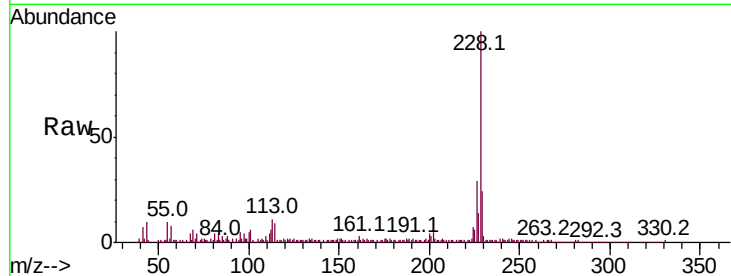
#83
Chrysene
Concen: 5.464 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.02 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Instrument :
BNA_F
ClientSampled :
EO-02-010419-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.6	37.0
229	23.6	15.7	23.5

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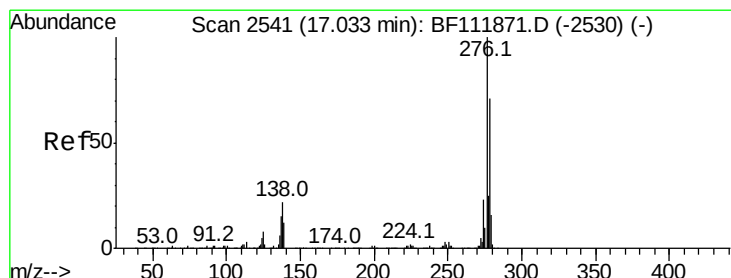
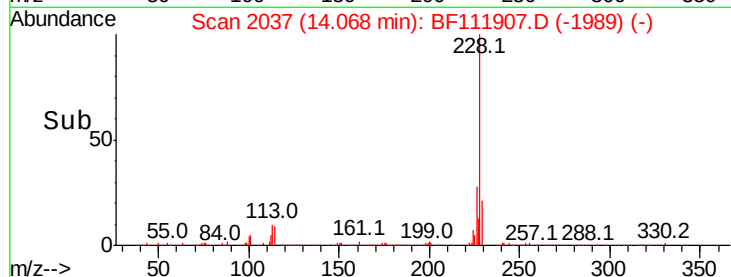
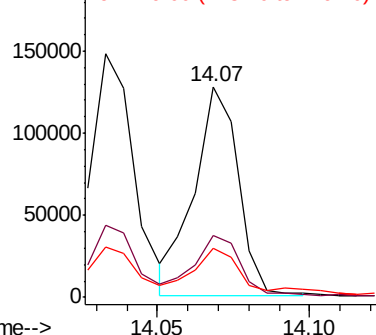


Abundance

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



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.308 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

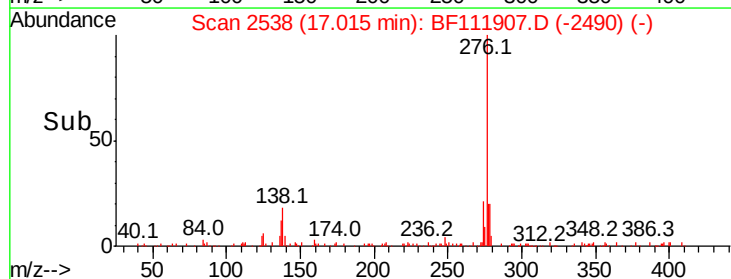
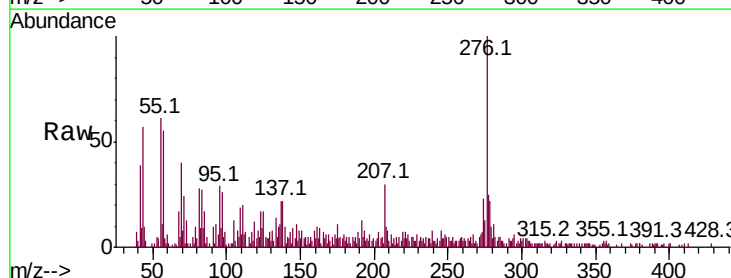
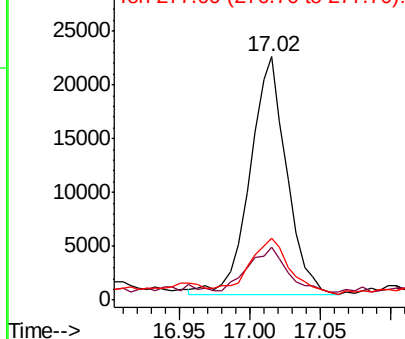
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	18.1	27.1
277	26.0	19.9	29.9

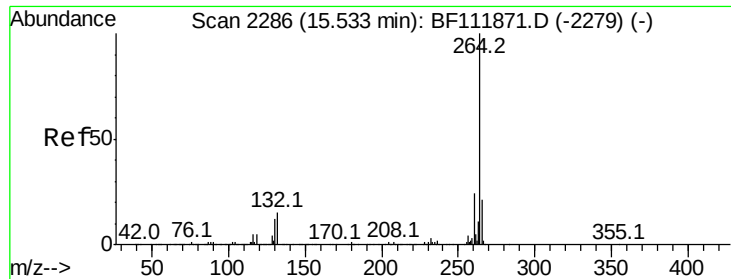
Abundance

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

Instrument :

BNA_F

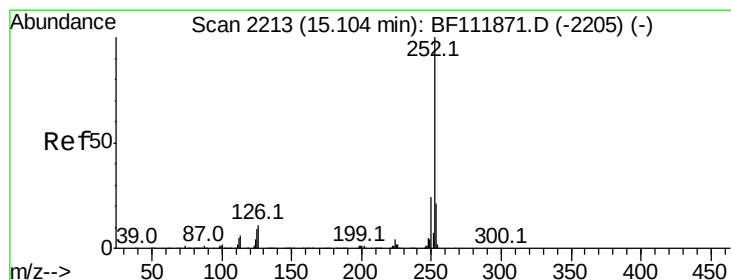
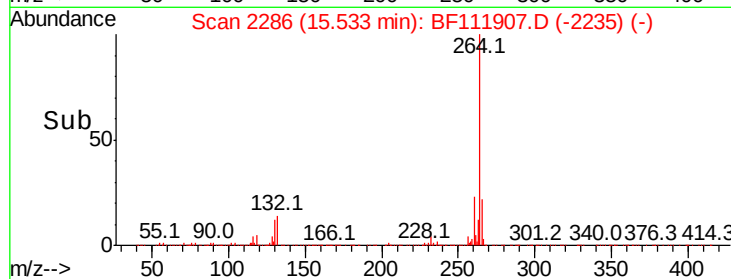
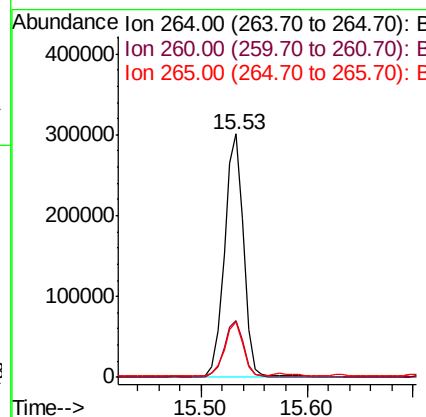
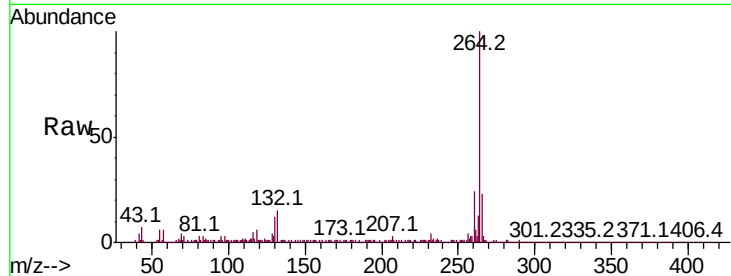
ClientSampleId :

EO-02-010419-B

Tot Ion:	264	Resp:	374265
Ion Ratio		Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.8	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 6.423 ng m

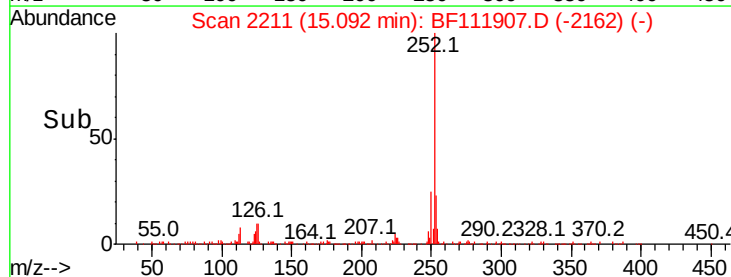
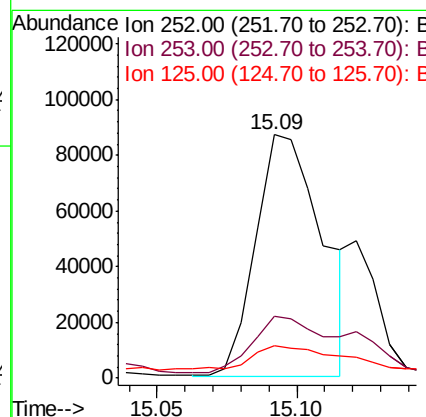
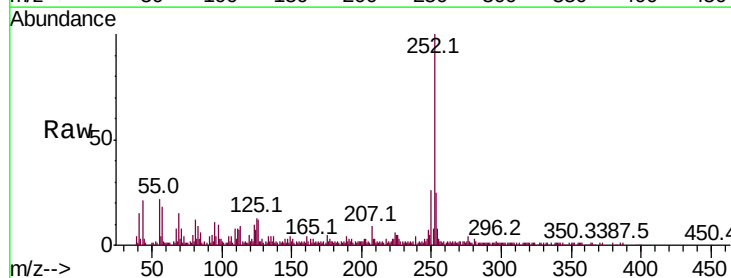
RT: 15.09 min Scan# 2211

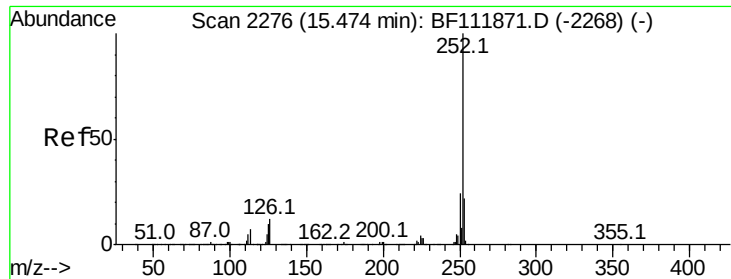
Delta R.T. -0.01 min

Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

Tgt Ion:	252	Resp:	143791
Ion Ratio		Lower	Upper
252	100		
253	25.4	17.0	25.6
125	13.2	7.1	10.7#





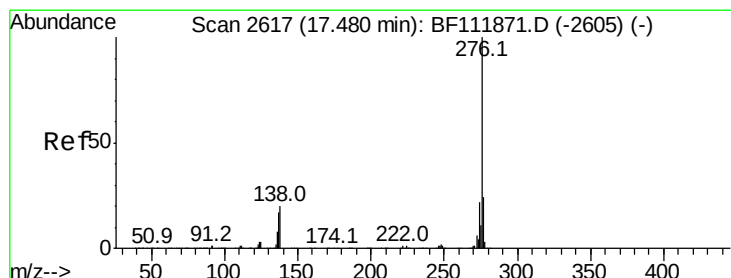
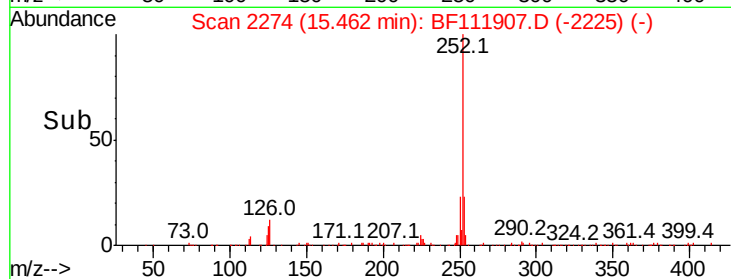
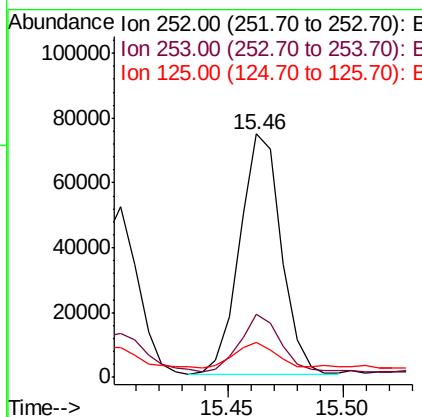
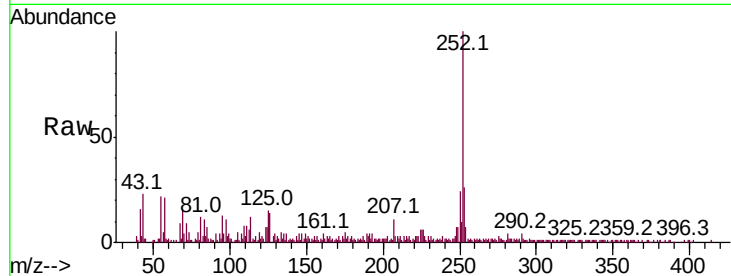
#90
Benzo(a)pyrene
Concen: 4.713 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Instrument :
BNA_F
ClientSampleId :
EO-02-010419-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.4	26.2
125	14.6	7.9	11.9

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#92
Benzo(g,h,i)perylene
Concen: 2.150 ng
RT: 17.46 min Scan# 2614
Delta R.T. -0.02 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.0	28.6
138	14.0	16.2	24.2

