

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
 Data File : BF111898.D
 Acq On : 8 Jan 2019 1:09
 Operator : JU/SJ
 Sample : K1012-05 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Manual Integrations
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 1/8/2019 11:20:55 AM

Quant Time: Jan 08 05:05:25 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	6.89	152	112408	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	376853	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	172069	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	379476	20.00	ng	0.00
76) Chrysene-d12	14.06	240	389477	20.00	ng	0.00
87) Perylene-d12	15.54	264	207705	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	296929	45.19	ng	0.00
7) Phenol-d6	6.53	99	328100	38.74	ng	0.00
23) Nitrobenzene-d5	7.45	82	233691	33.14	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	105203	47.01	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	366114	31.03	ng	0.00
79) Terphenyl-d14	13.00	244	425258	20.73	ng	0.00
Target Compounds						
71) Phenanthrene	11.44	178	137684	6.786	ng	98
75) Fluoranthene	12.63	202	235806	11.322	ng	100
78) Pyrene	12.86	202	190822	7.121	ng	98
81) Benzo(a)anthracene	14.04	228	120303	5.367	ng	98
83) Chrysene	14.08	228	103385	4.837	ng	96
86) Indeno(1,2,3-cd)pyrene	17.03	276	42530	2.730	ng	95
88) Benzo(b)fluoranthene	15.10	252	93511m	7.526	ng	
89) Benzo(k)fluoranthene	15.13	252	30046m	2.573	ng	
90) Benzo(a)pyrene	15.47	252	61960	5.672	ng	# 92
92) Benzo(g,h,i)perylene	17.48	276	39143	4.555	ng	96

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

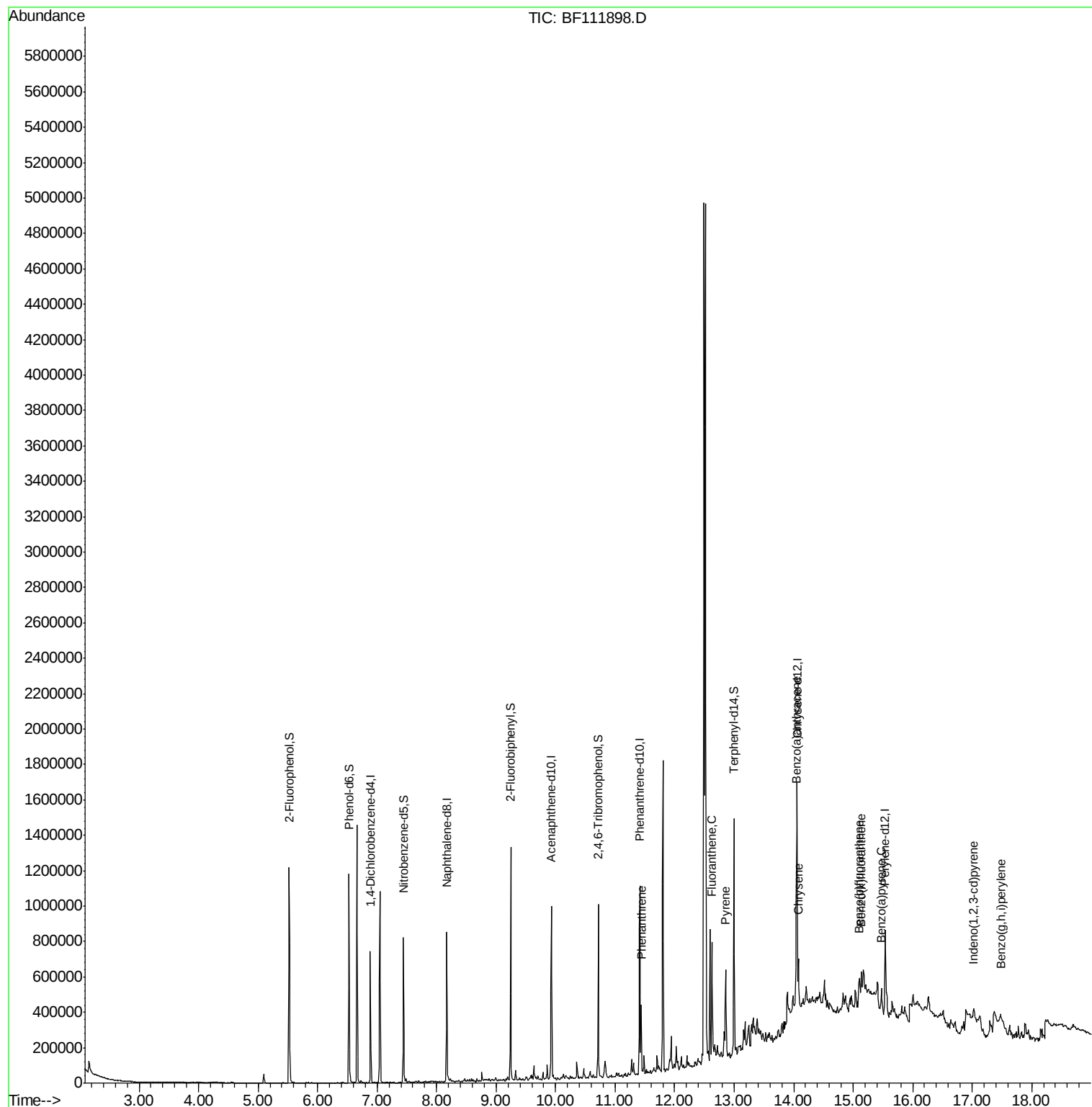
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111898.D
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Operator : JU/SJ
Sample : K1012-05 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

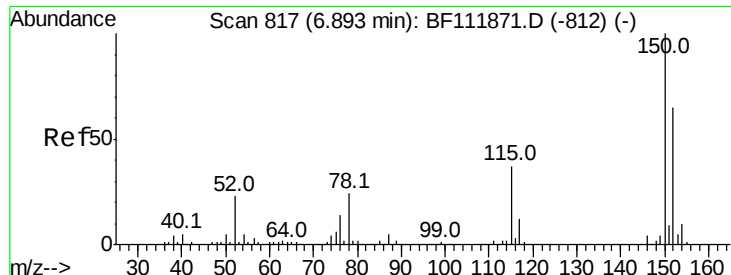
Instrument :
BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

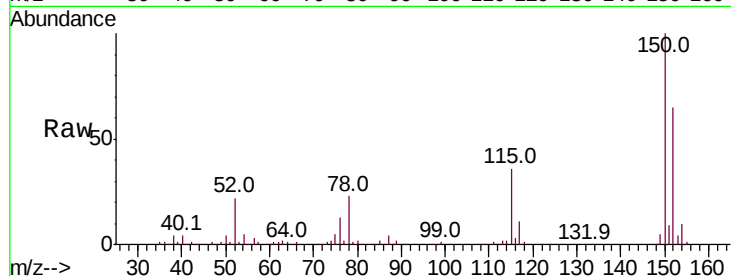
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	122.7	184.1
115	56.2	45.2	67.8

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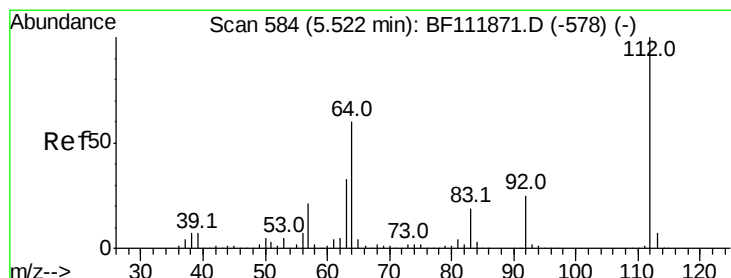
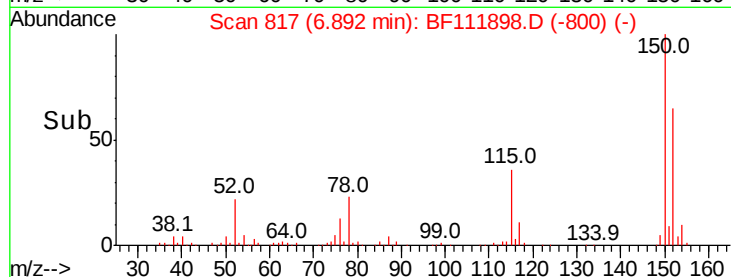
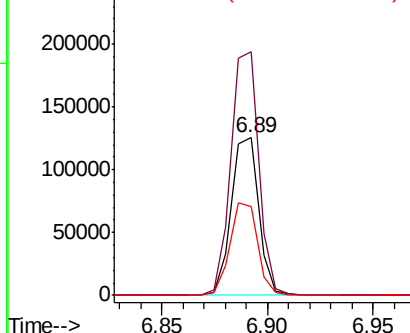


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

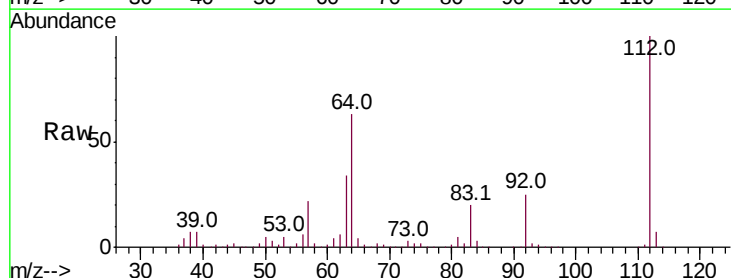
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.192 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	48.3	72.5
63	34.5	26.1	39.1

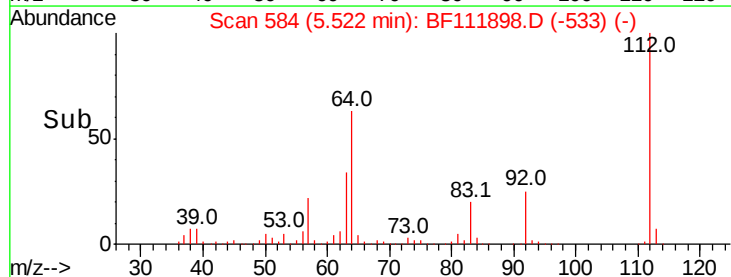
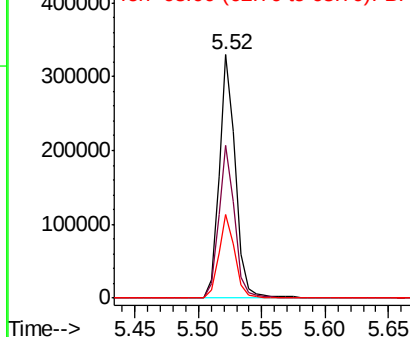


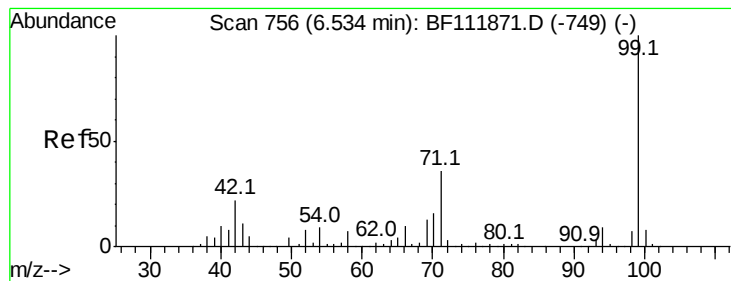
Abundance

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: 38.744 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

Instrument :

BNA_F

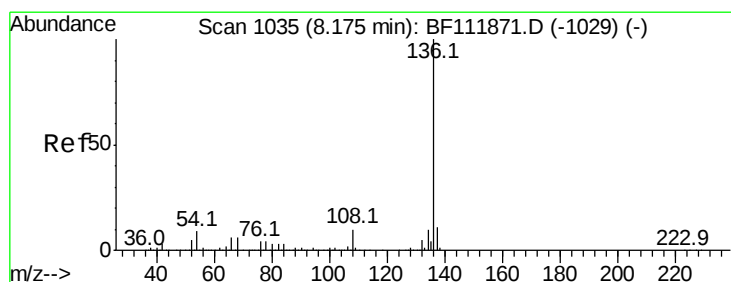
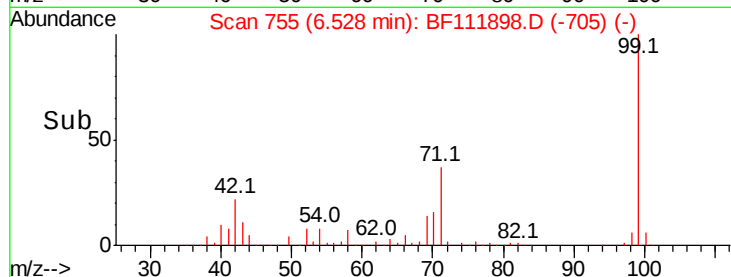
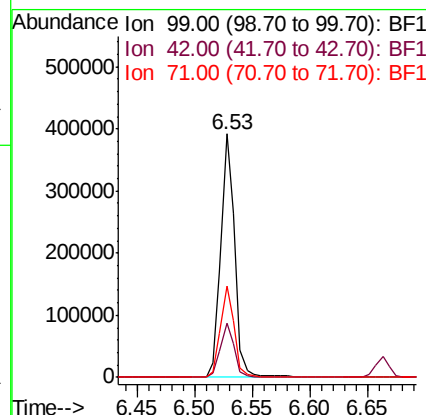
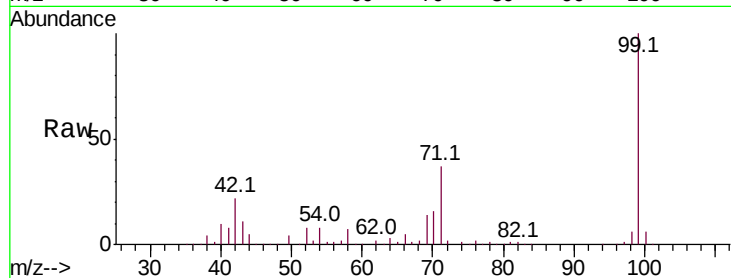
ClientSampleId :

EO-02-010419-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		328100		
42	22.5	17.9	26.9		
71	37.5	28.7	43.1		

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#21

Naphthalene-d8

Concen: 20.000 ng

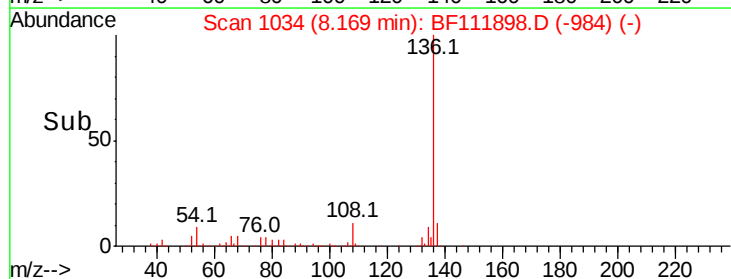
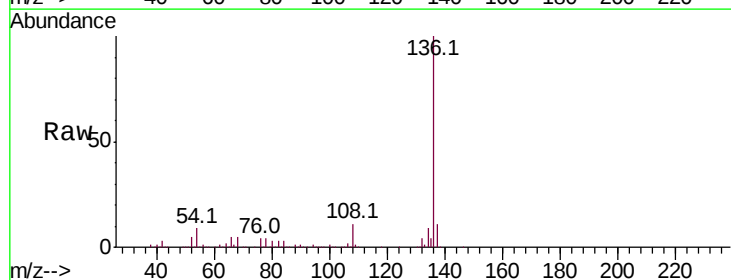
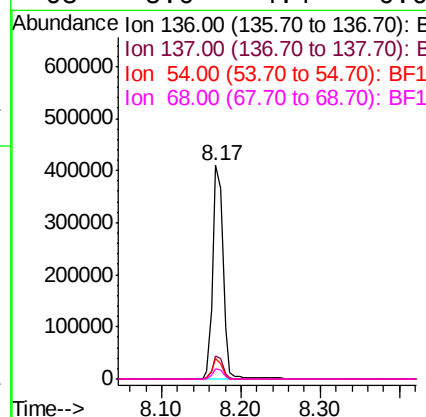
RT: 8.17 min Scan# 1034

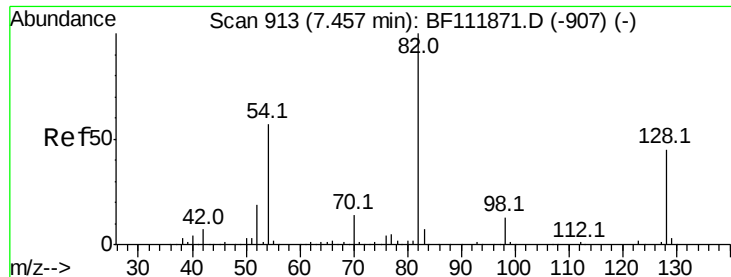
Delta R.T. -0.01 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		376853		
137	10.7	9.1	13.7		
54	9.4	7.2	10.8		
68	5.0	4.4	6.6		





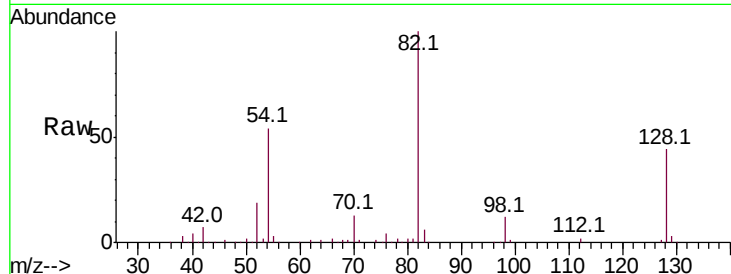
#23
Nitrobenzene-d5
Concen: 33.142 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

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

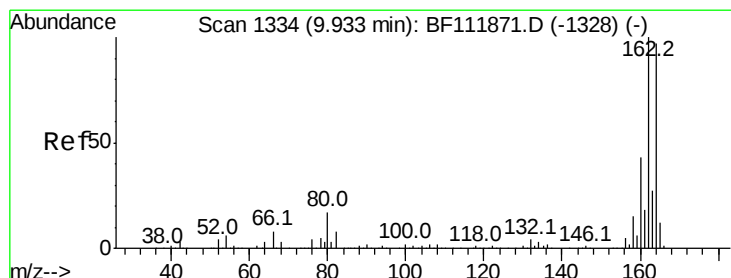
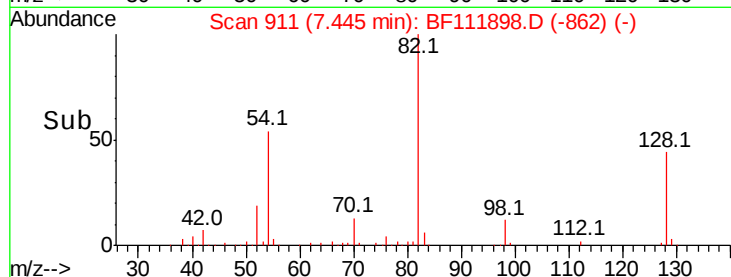
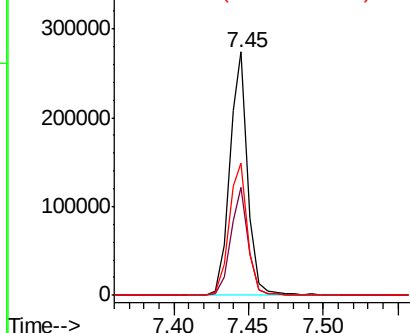
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.7	53.5
54	54.3	45.8	68.8

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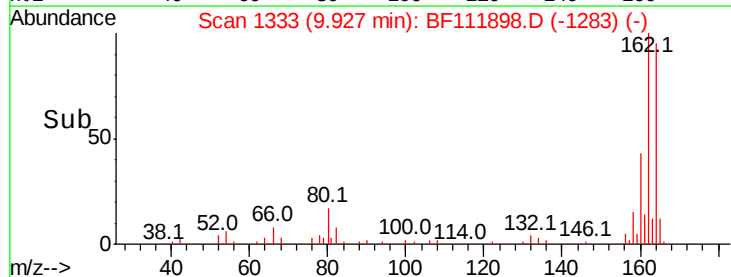
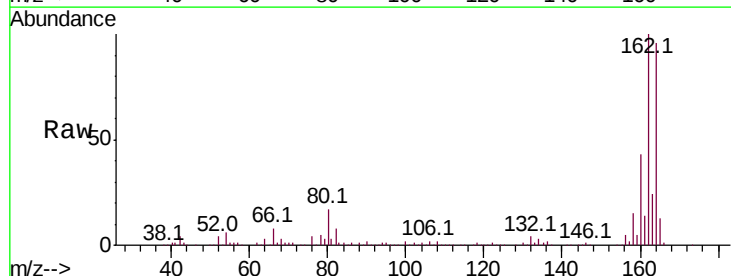
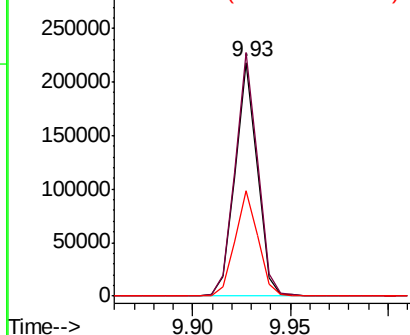
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

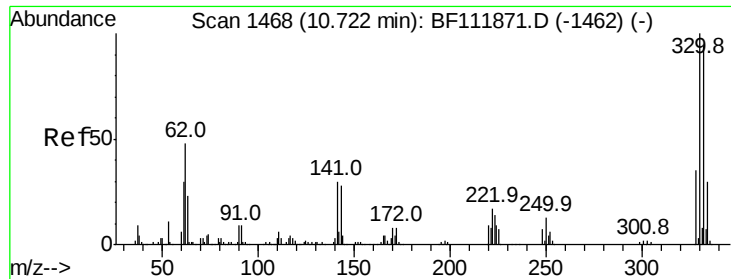


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.2	123.2
160	45.2	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





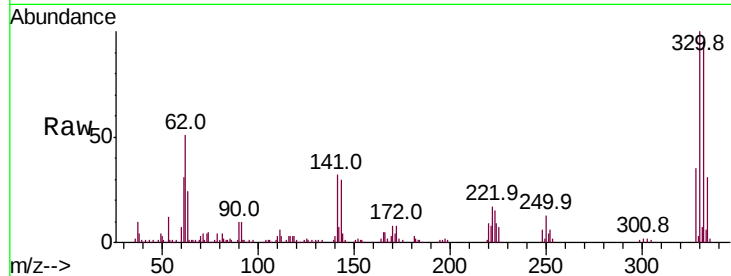
#42
 2,4,6-Tribromophenol
 Concen: 47.006 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111898.D
 Acq: 8 Jan 2019 1:09

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

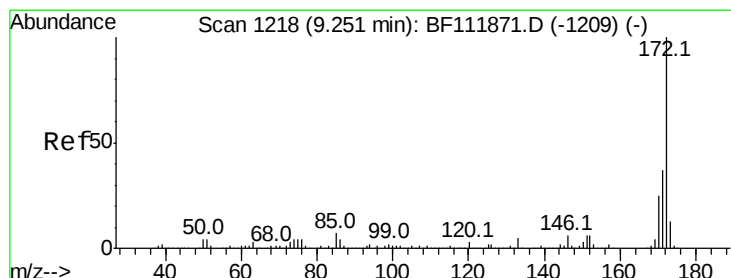
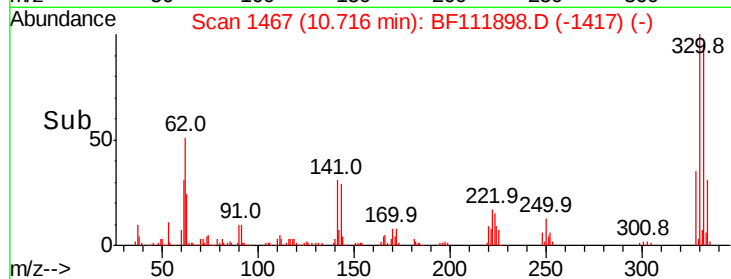
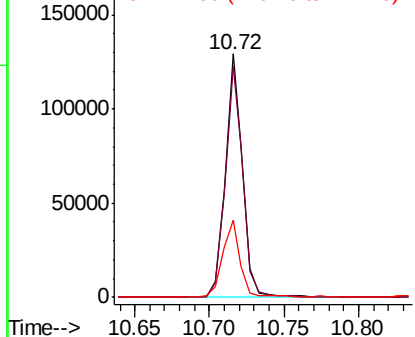
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	76.9	115.3	
141	32.8	23.7	35.5	

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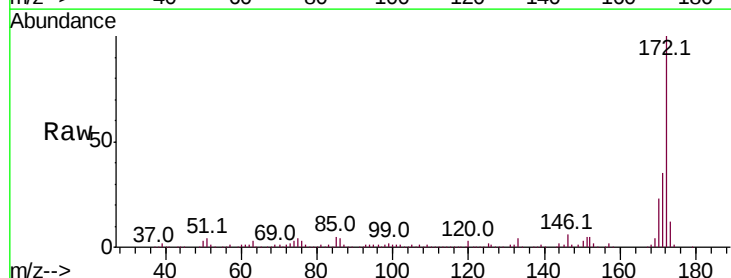


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

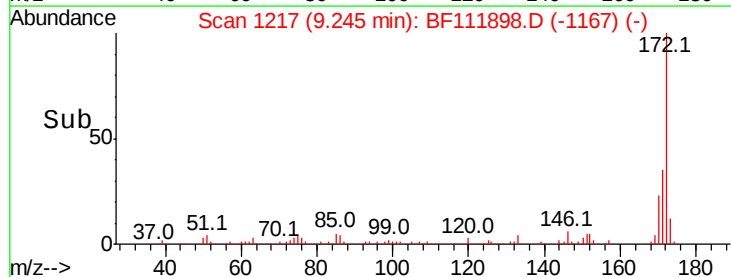
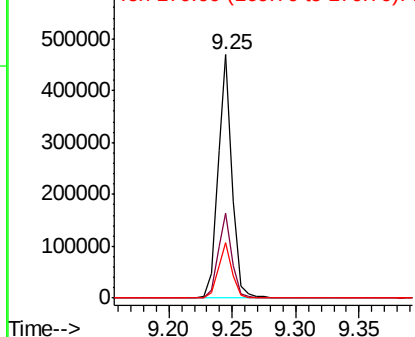


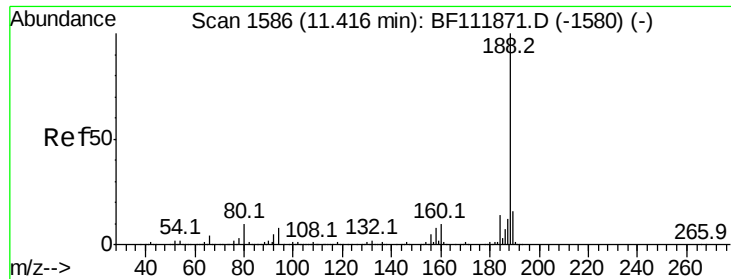
#45
 2-Fluorobiphenyl
 Concen: 31.026 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF111898.D
 Acq: 8 Jan 2019 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	29.6	44.4	
170	22.7	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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

Instrument :

BNA_F

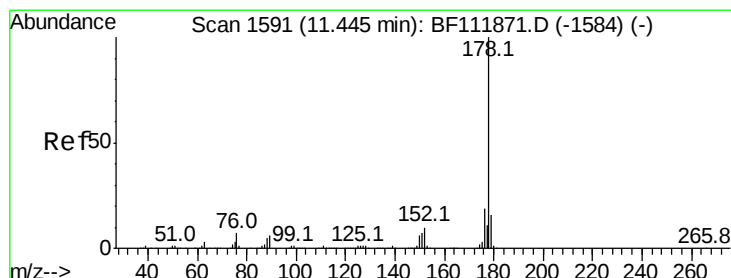
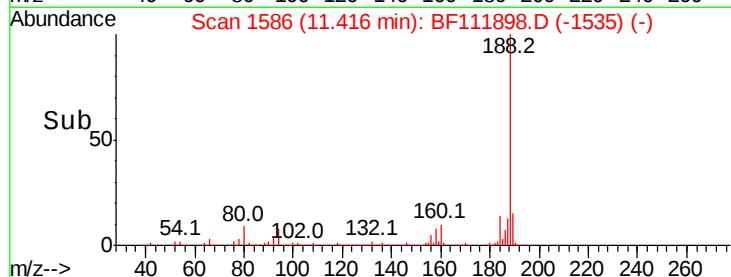
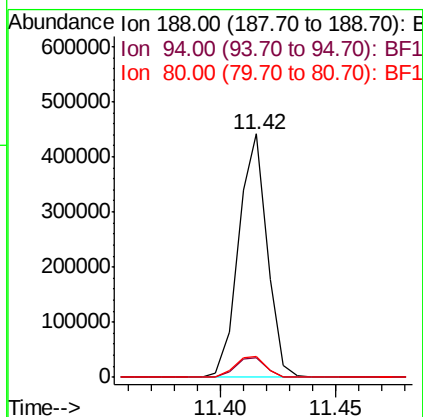
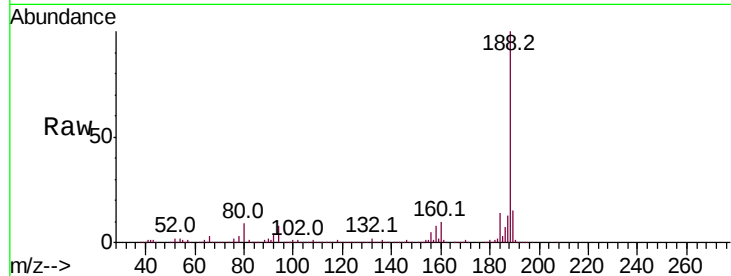
ClientSampleId :

EO-02-010419-C

Tot Ion:	188	Resp:	379476
Ion Ratio	Lower	Upper	
188	100		
94	7.9	6.6	10.0
80	8.7	7.7	11.5

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#71

Phenanthrene

Concen: 6.786 ng

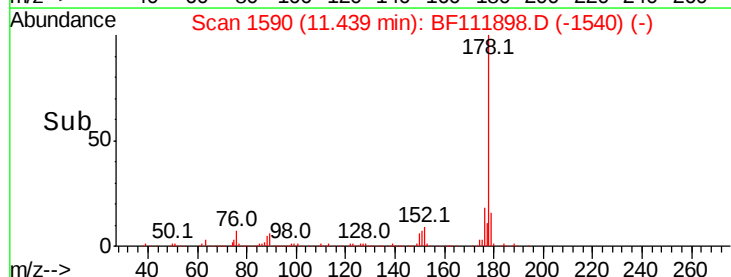
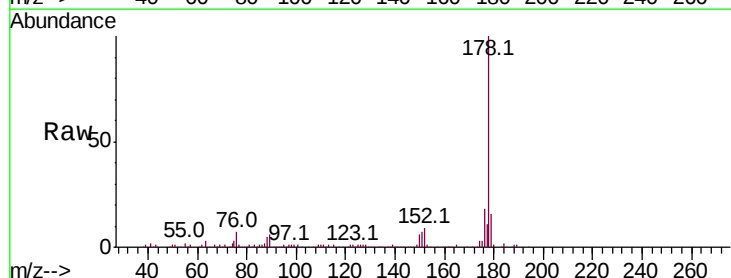
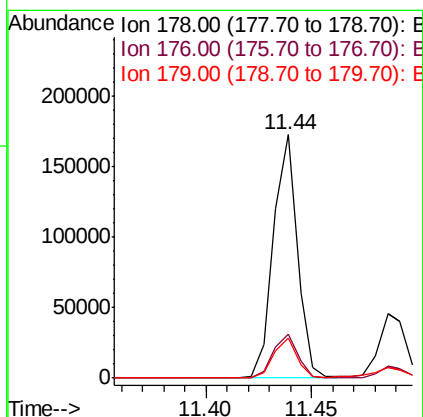
RT: 11.44 min Scan# 1590

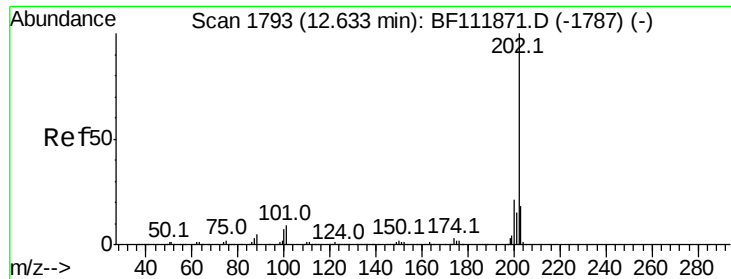
Delta R.T. -0.01 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

Tgt Ion:	178	Resp:	137684
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.6	23.4
179	16.2	12.6	18.8





#75

Fluoranthene

Concen: 11.322 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

Instrument :

BNA_F

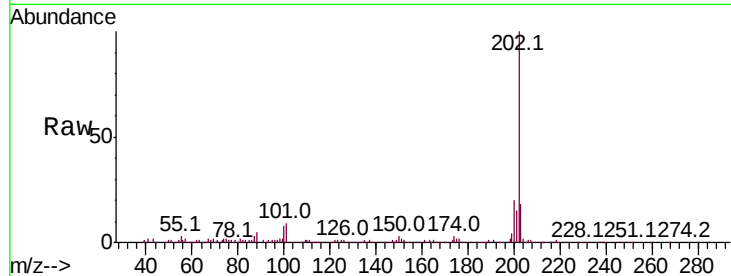
ClientSampleId :

EO-02-010419-C

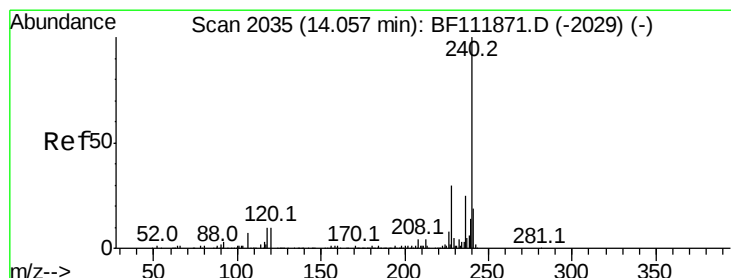
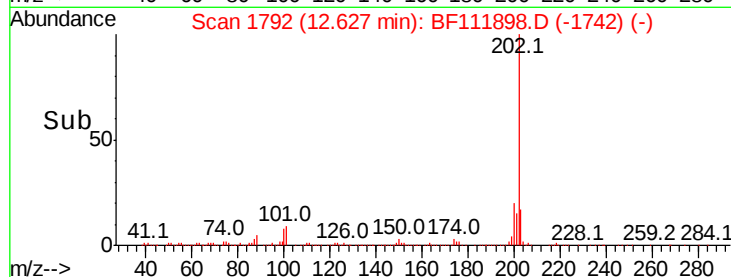
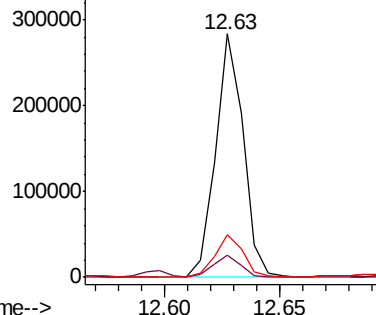
Tot Ion:	202	Resp:	235806
Ion Ratio	Lower	Upper	
202	100		
101	9.2	0.0	29.3
203	17.5	0.0	37.6

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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: 14.06 min Scan# 2035

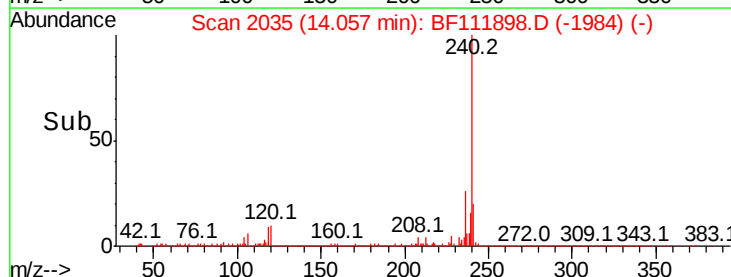
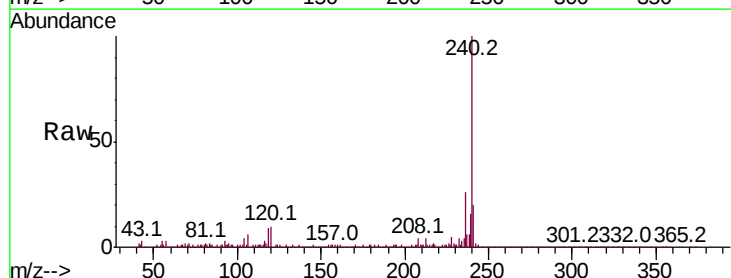
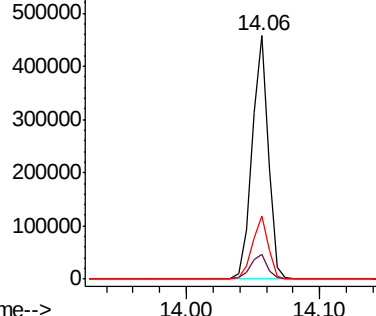
Delta R.T. -0.00 min

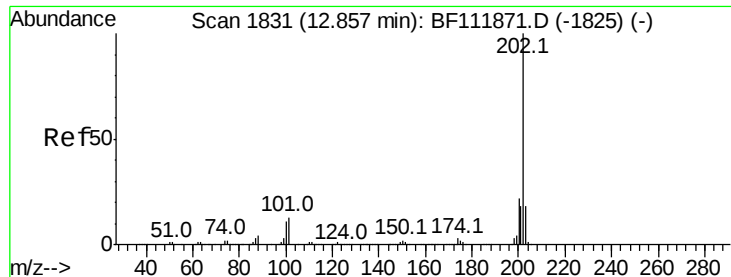
Lab File: BF111898.D

Acq: 8 Jan 2019 1:09

Tgt Ion:	240	Resp:	389477
Ion Ratio	Lower	Upper	
240	100		
120	9.9	8.2	12.2
236	25.7	20.2	30.4

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





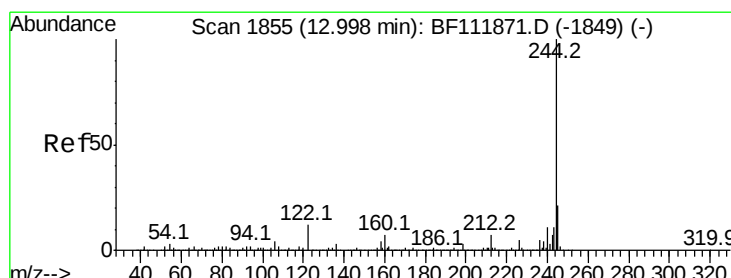
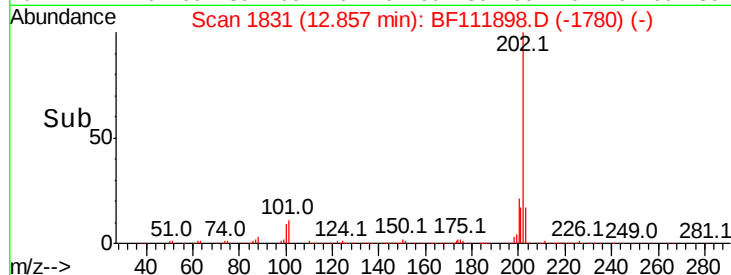
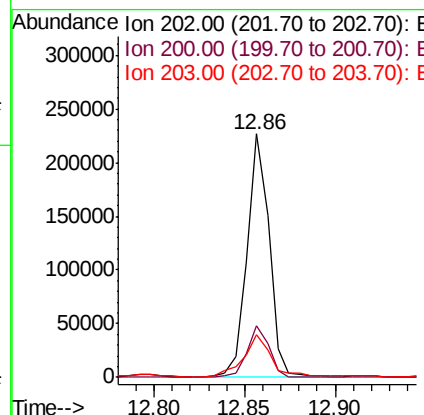
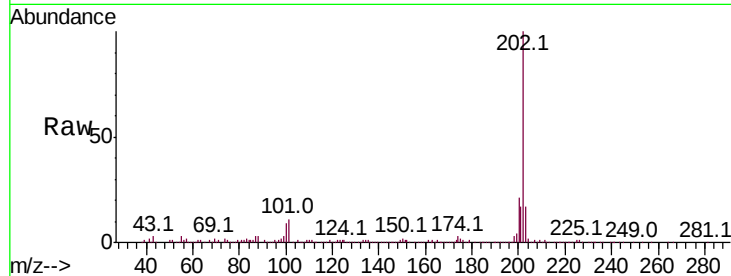
#78
Pvrene
Concen: 7.121 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.2	17.4	26.2		
203	17.3	14.6	21.8		

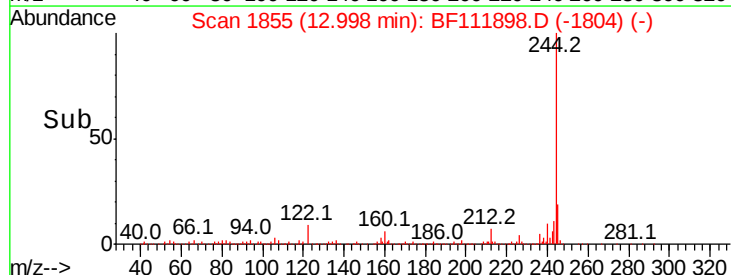
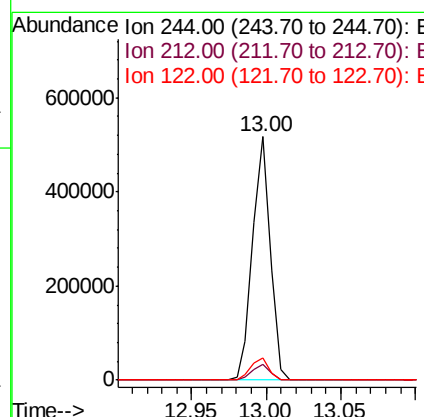
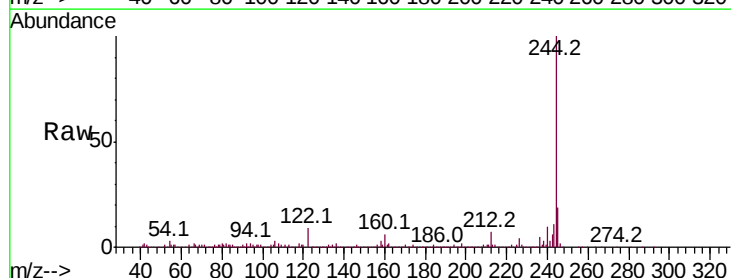
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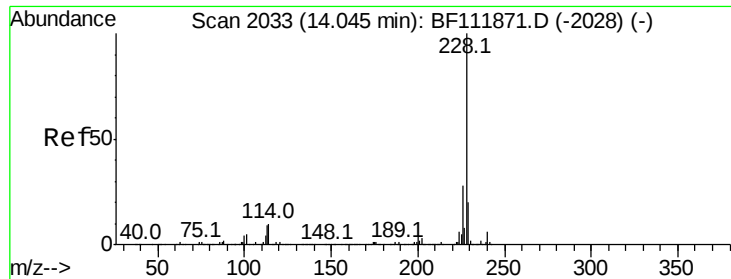
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1/8/2019 11:20:55 AM



#79
Terphenyl-d14
Concen: 20.726 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	6.5	5.8	8.8		
122	9.2	9.5	14.3#		





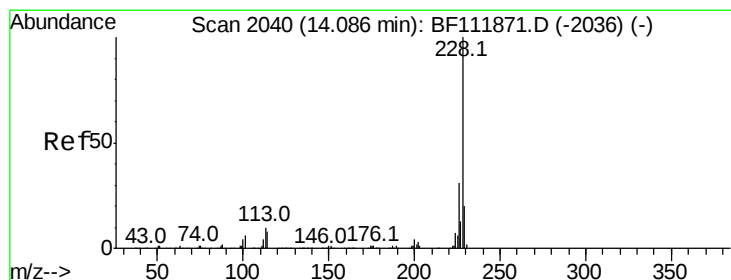
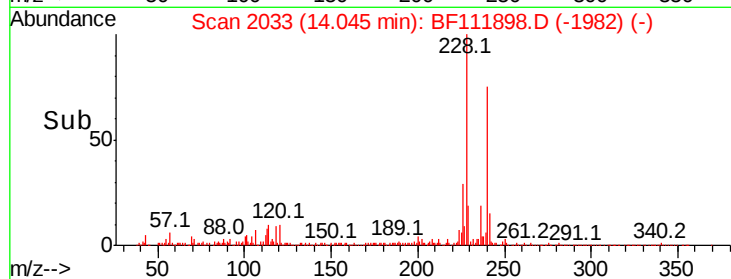
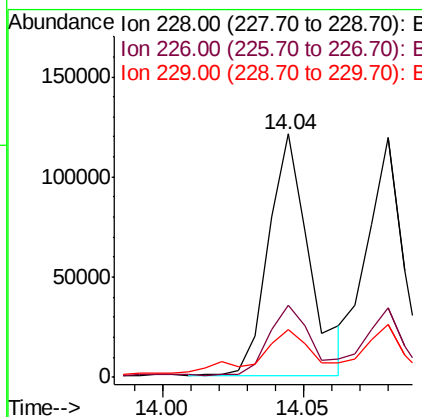
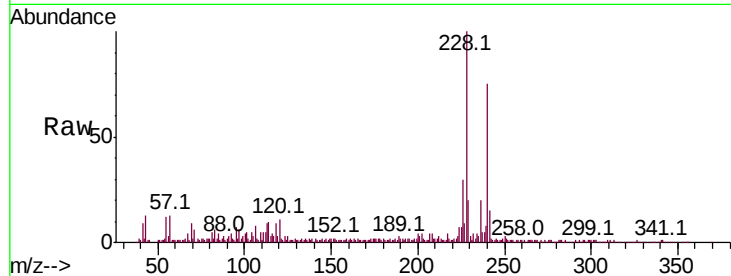
#81
Benzo(a)anthracene
Concen: 5.367 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.2	33.2
229	19.8	16.2	24.2

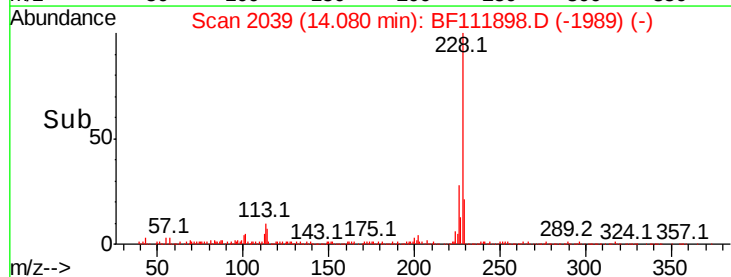
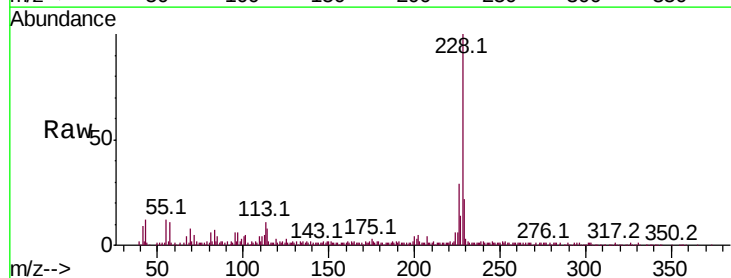
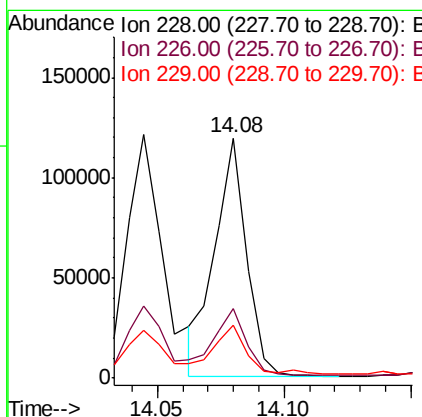
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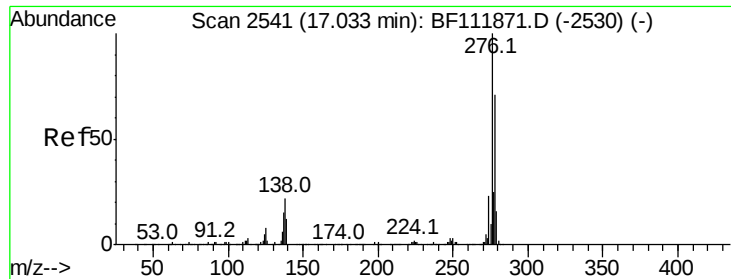
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#83
Chrysene
Concen: 4.837 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.6	37.0
229	21.9	15.7	23.5





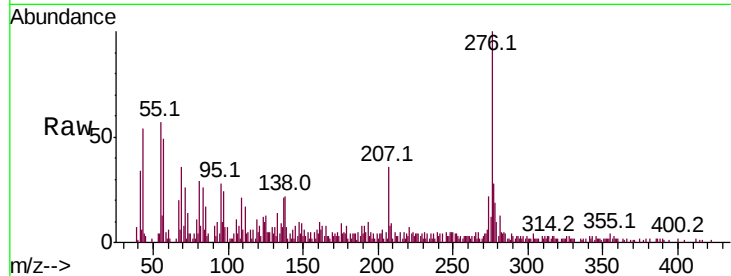
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.730 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.7	18.1	27.1
277	25.6	19.9	29.9

Manual Integrations
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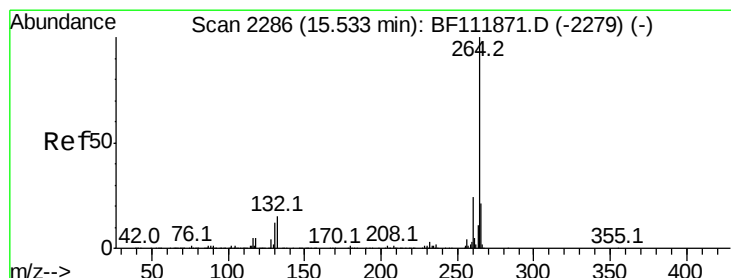
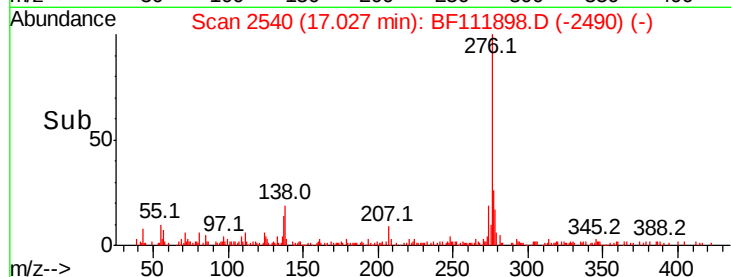
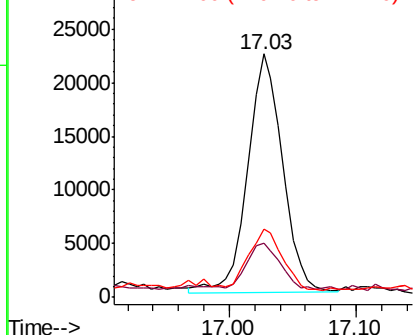


Abundance

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: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

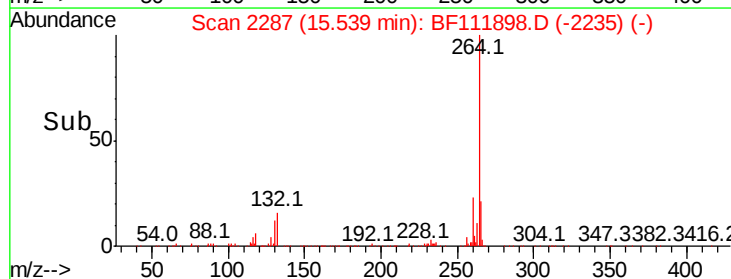
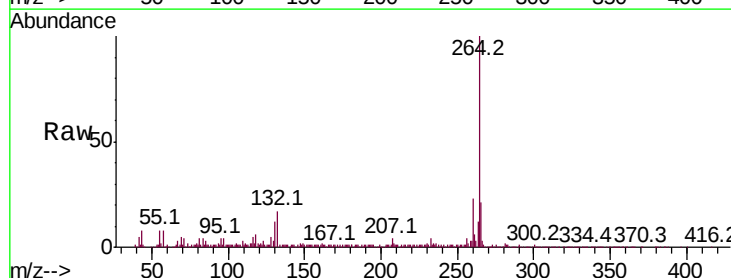
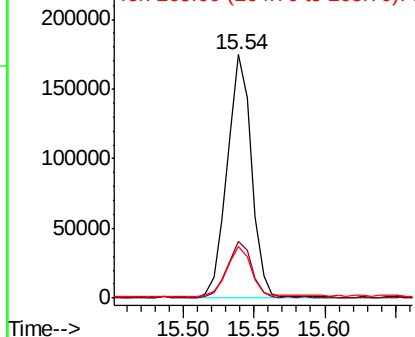
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.3	17.1	25.7

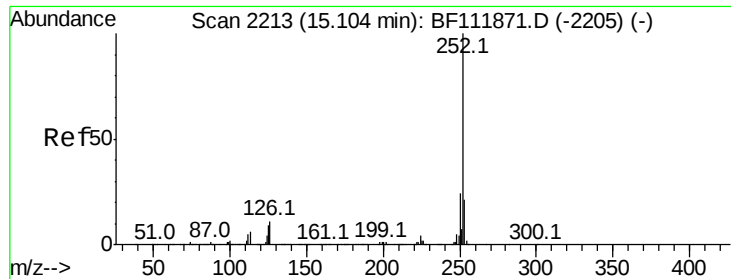
Abundance

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





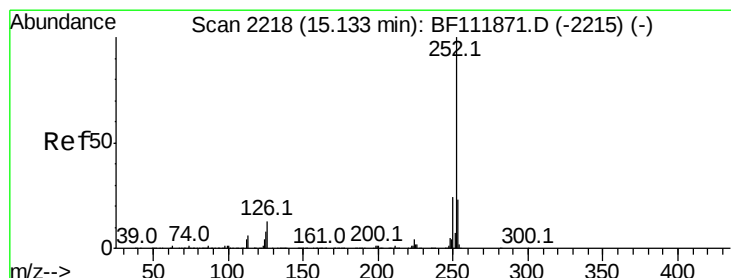
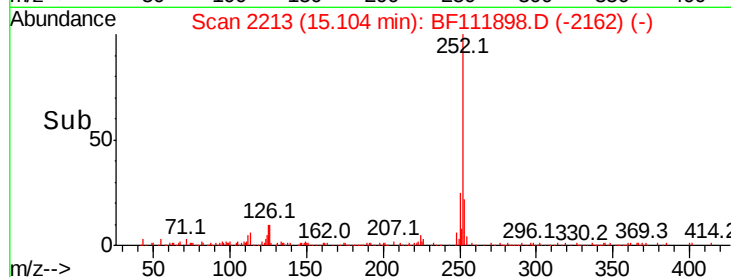
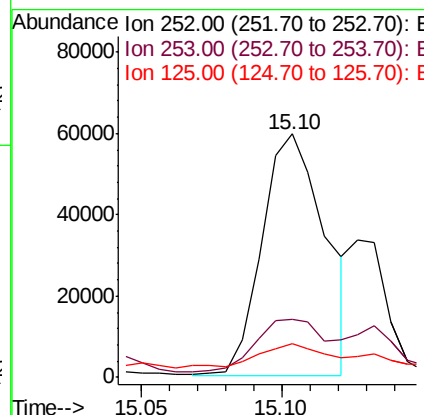
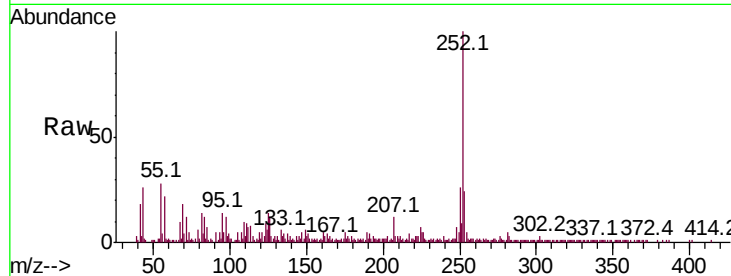
#88
Benzo(b)fluoranthene
Concen: 7.526 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.0	17.0	25.6	
125	13.9	7.1	10.7	

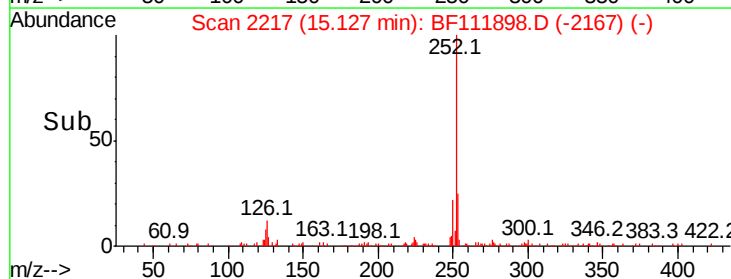
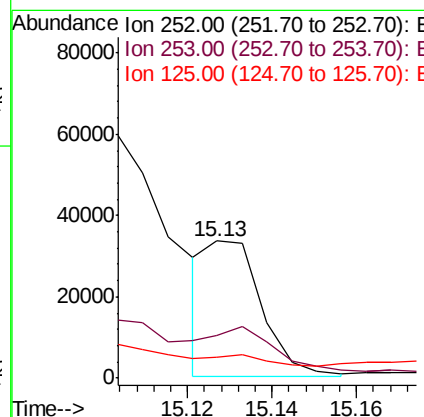
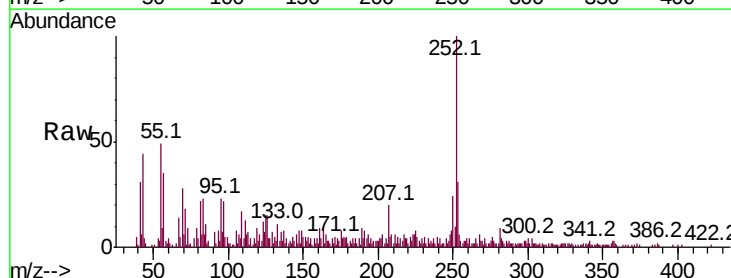
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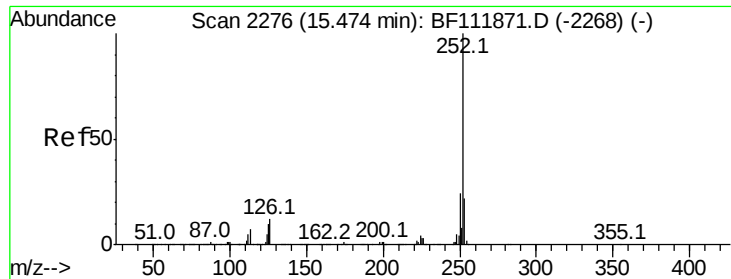
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1/8/2019 11:20:55 AM



#89
Benzo(k)fluoranthene
Concen: 2.573 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	31.2	17.8	26.6	
125	15.3	7.0	10.4	





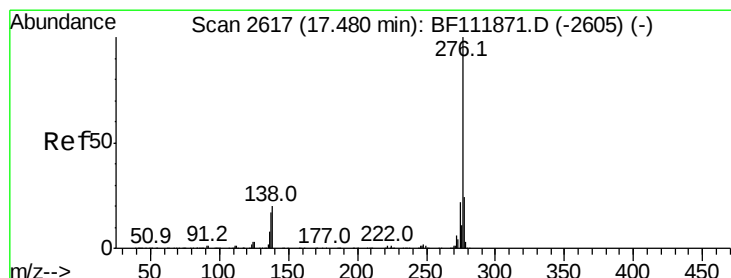
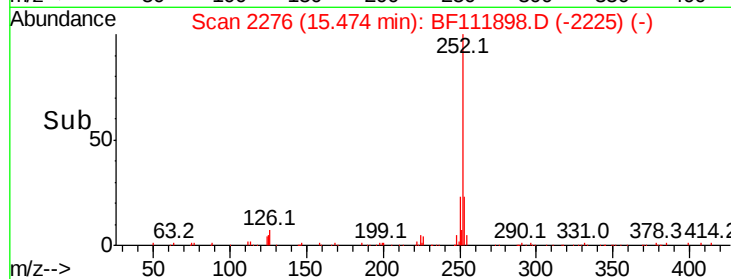
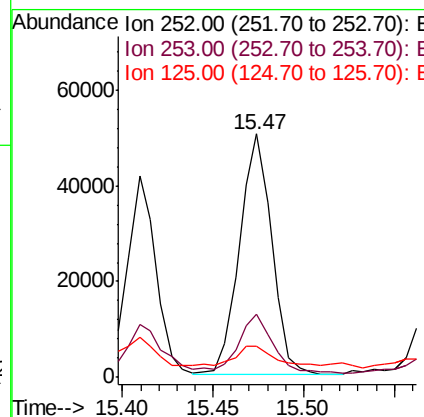
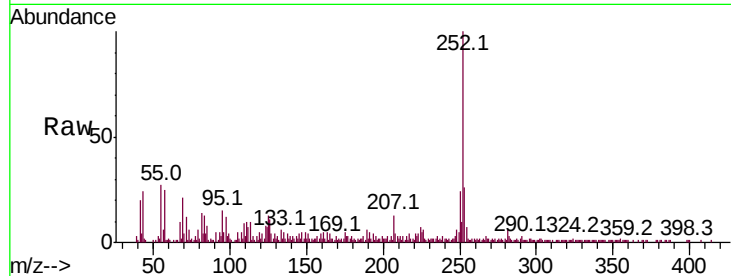
#90
Benzo(a)pyrene
Concen: 5.672 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.4	26.2
125	12.6	7.9	11.9

Manual Integrations
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1/8/2019 11:20:55 AM



#92
Benzo(g,h,i)perylene
Concen: 4.555 ng
RT: 17.48 min Scan# 2617
Delta R.T. -0.00 min
Lab File: BF111898.D
Acq: 8 Jan 2019 1:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.0	28.6
138	19.9	16.2	24.2

