

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
 Data File : BF111897.D
 Acq On : 8 Jan 2019 00:42
 Operator : JU/SJ
 Sample : K1012-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 1/8/2019 11:20:52 AM

Quant Time: Jan 08 05:03:20 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	138095	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	385985	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	175699	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	339718	20.00	ng	0.00
76) Chrysene-d12	14.06	240	387219	20.00	ng	0.00
87) Perylene-d12	15.54	264	236868	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	413787	51.26	ng	0.00
7) Phenol-d6	6.53	99	482480	46.38	ng	0.00
23) Nitrobenzene-d5	7.45	82	280860	38.89	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	122553	53.63	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	414568	34.41	ng	0.00
79) Terphenyl-d14	13.00	244	559385	27.42	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.63	163	33288	2.522	ng	97
71) Phenanthrene	11.44	178	140450	7.733	ng	99
72) Anthracene	11.49	178	37956	2.059	ng	97
75) Fluoranthene	12.63	202	256317	13.747	ng	99
78) Pyrene	12.86	202	275473	10.339	ng	98
81) Benzo(a)anthracene	14.04	228	139318	6.252	ng	96
83) Chrysene	14.08	228	110048	5.179	ng	97
86) Indeno(1,2,3-cd)pyrene	17.03	276	32184	2.078	ng	95
88) Benzo(b)fluoranthene	15.10	252	99034m	6.989	ng	
89) Benzo(k)fluoranthene	15.13	252	31838m	2.390	ng	
90) Benzo(a)pyrene	15.47	252	60994	4.896	ng	# 93
92) Benzo(a,h,i)perylene	17.48	276	28443	2.902	ng	# 92

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

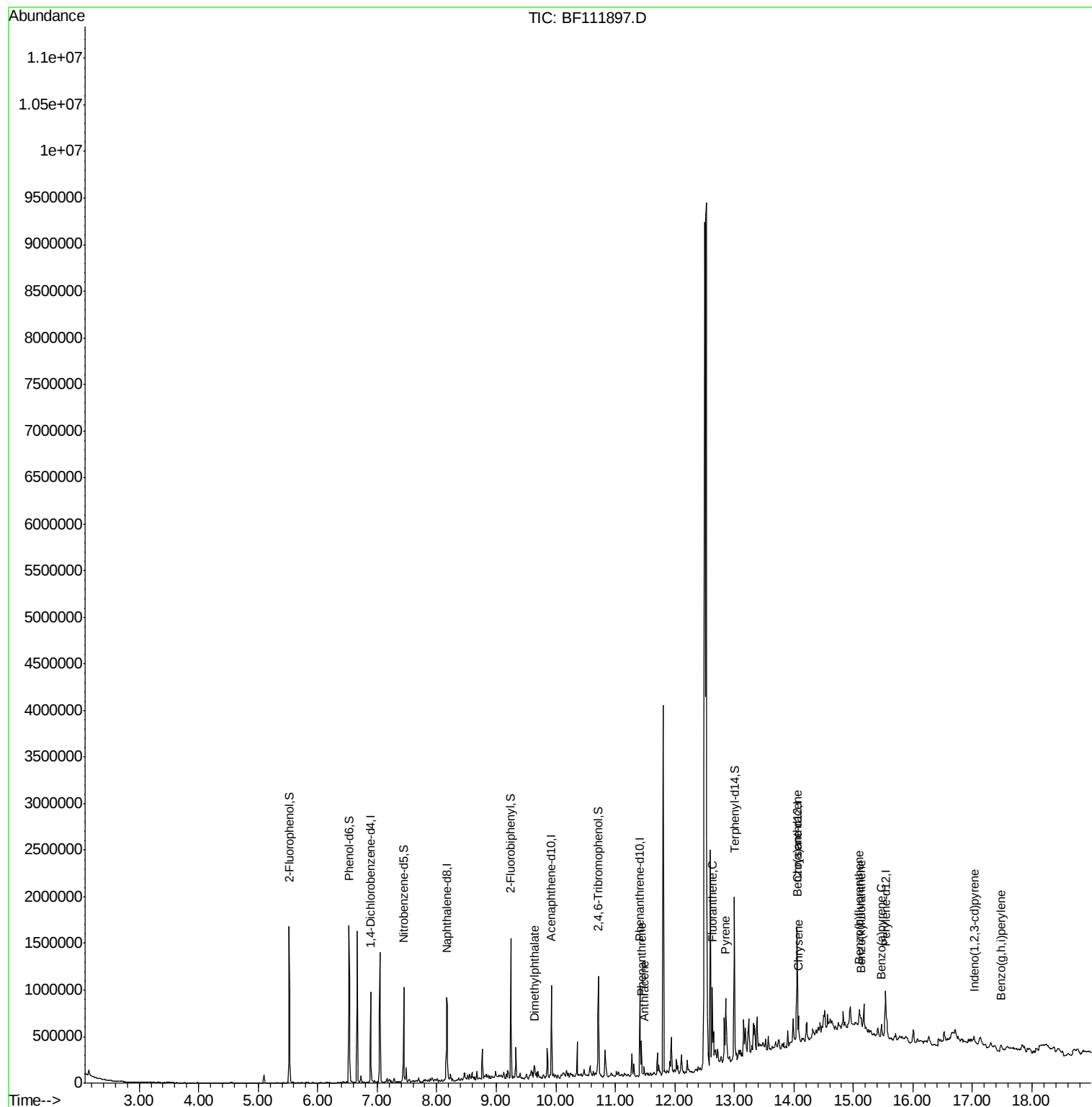
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111897.D
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Operator : JU/SJ
Sample : K1012-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

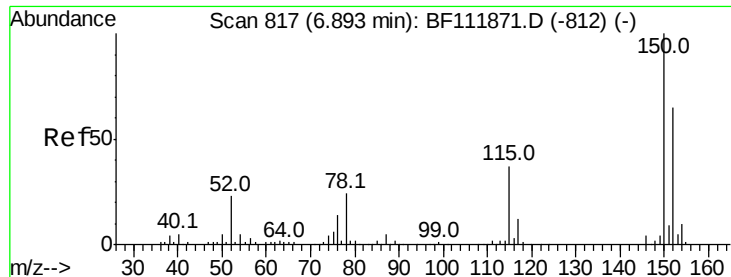
Instrument :
BNA_F
ClientSampleId :
EO-02-010419-B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
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#1

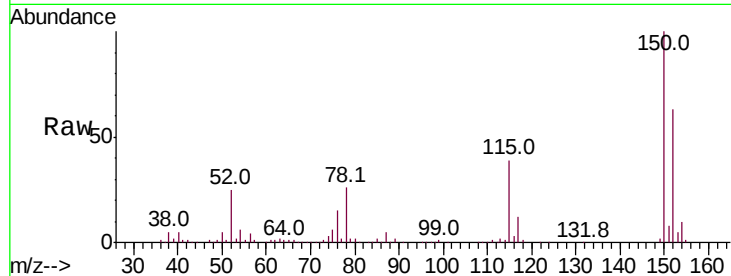
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	122.7	184.1
115	62.2	45.2	67.8

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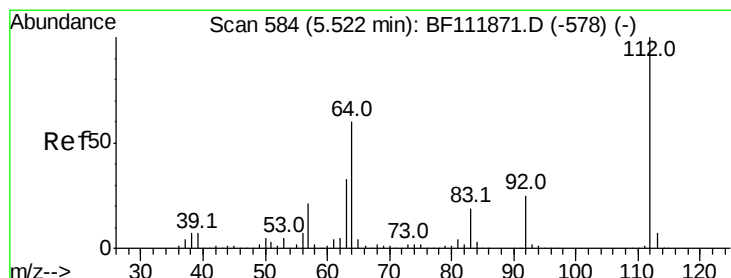
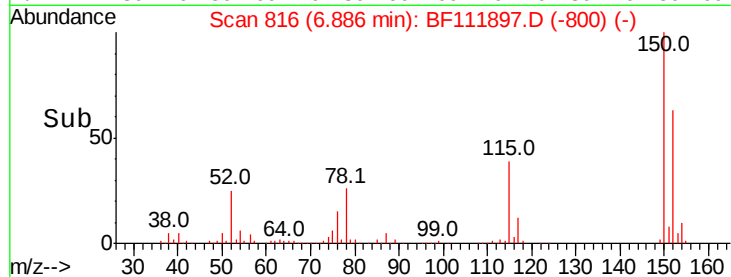
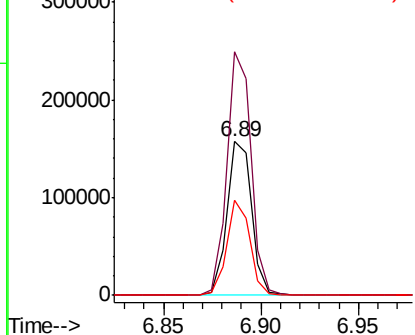


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

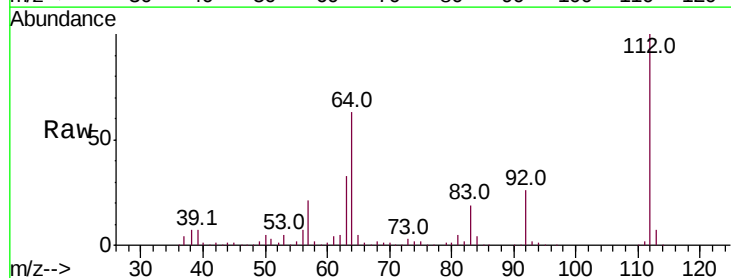
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.263 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	48.3	72.5
63	32.8	26.1	39.1

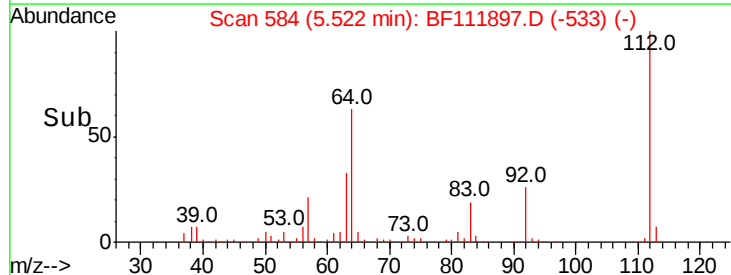
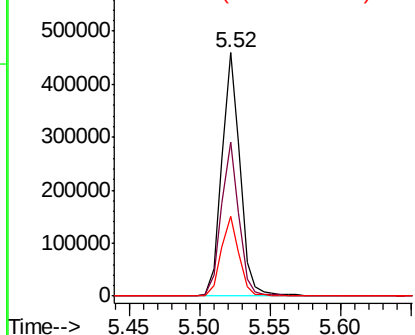


Abundance

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: 46.376 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111897.D

Acq: 8 Jan 2019 00:42

Instrument :

BNA_F

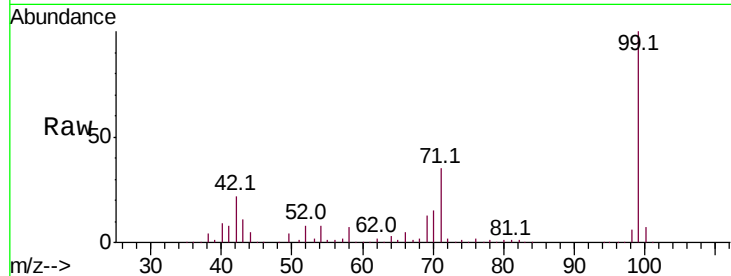
ClientSampleId :

EO-02-010419-B

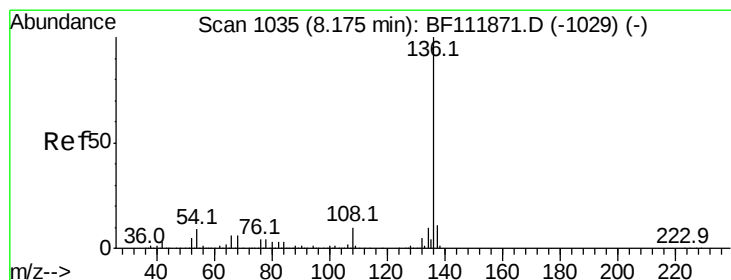
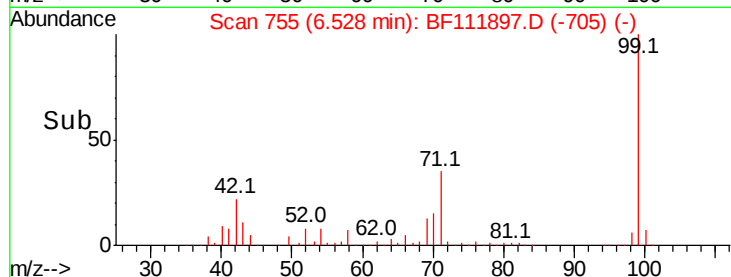
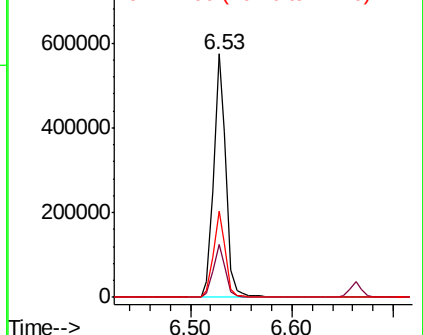
Tot Ion:	99	Resp:	482480
Ion Ratio	Lower	Upper	
99	100		
42	21.6	17.9	26.9
71	35.4	28.7	43.1

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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: 8.17 min Scan# 1034

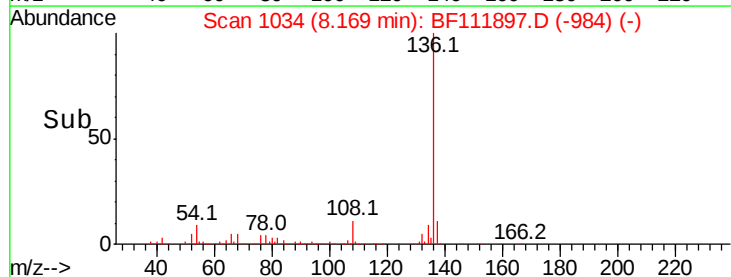
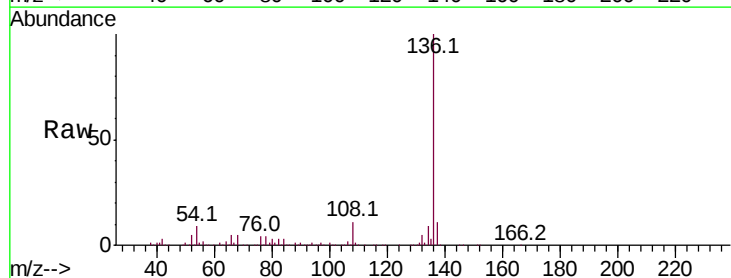
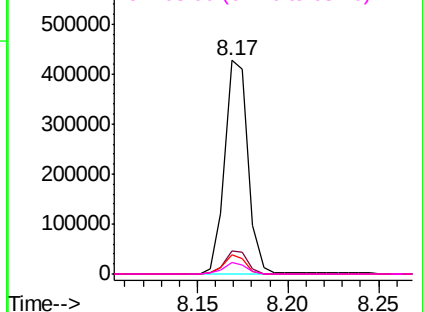
Delta R.T. -0.01 min

Lab File: BF111897.D

Acq: 8 Jan 2019 00:42

Tgt Ion:	136	Resp:	385985
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	9.1	7.2	10.8
68	5.3	4.4	6.6

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





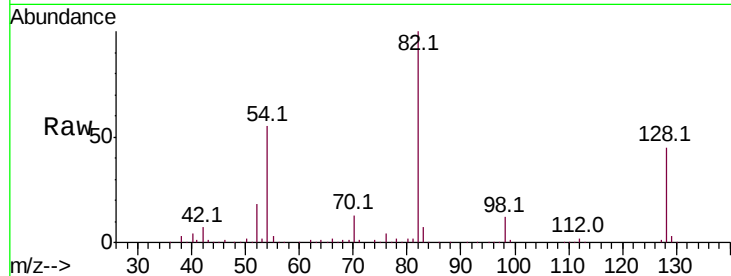
#23
 Nitrobenzene-d5
 Concen: 38.889 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF111897.D
 Acq: 8 Jan 2019 00:42

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.7	53.5
54	55.0	45.8	68.8

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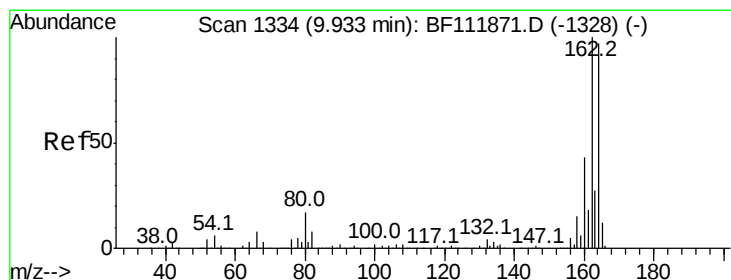
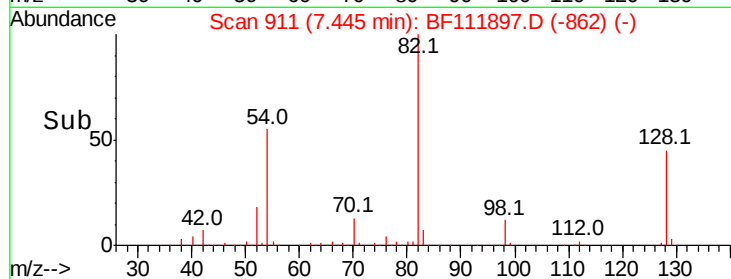
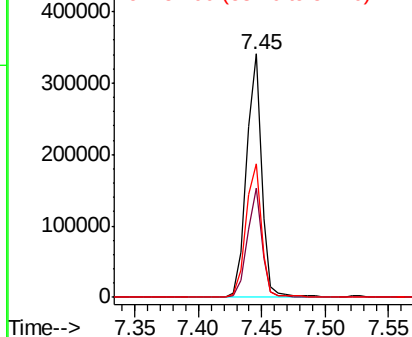


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

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: BF111897.D
 Acq: 8 Jan 2019 00:42

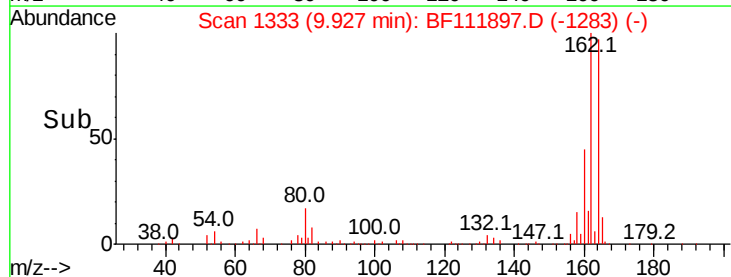
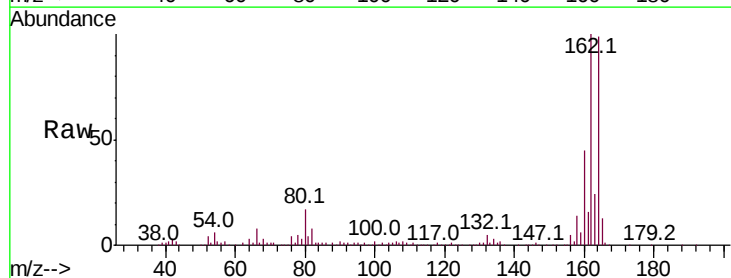
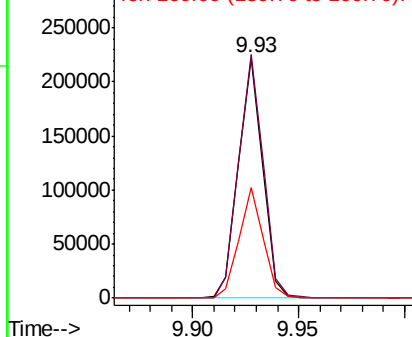
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.2	123.2
160	45.9	35.5	53.3

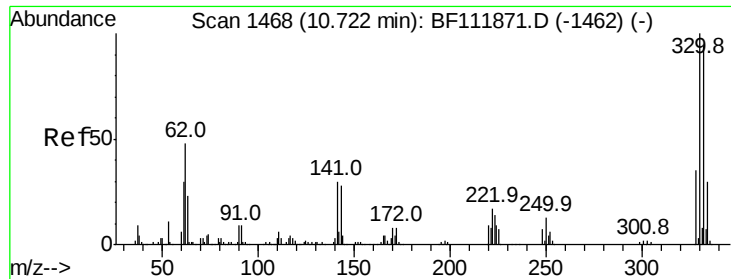
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





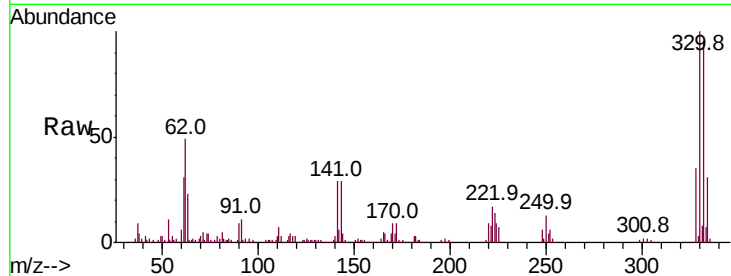
#42
 2,4,6-Tribromophenol
 Concen: 53.626 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111897.D
 Acq: 8 Jan 2019 00:42

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.3	76.9	115.3	
141	29.2	23.7	35.5	

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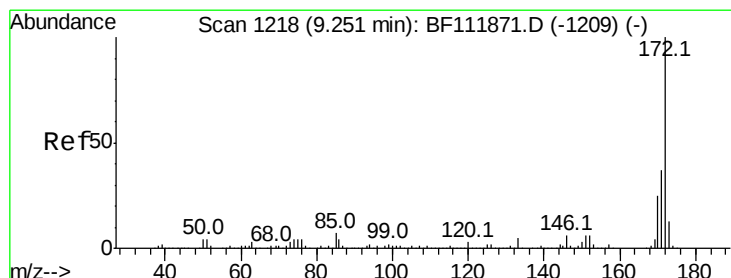
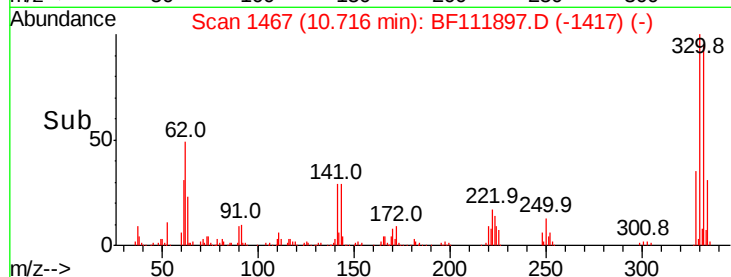
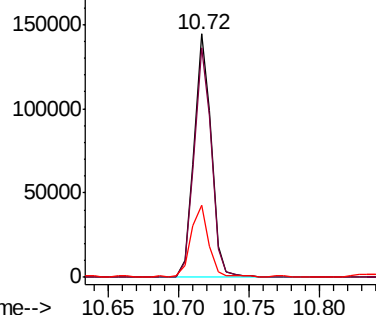


Abundance

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: 34.407 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF111897.D
 Acq: 8 Jan 2019 00:42

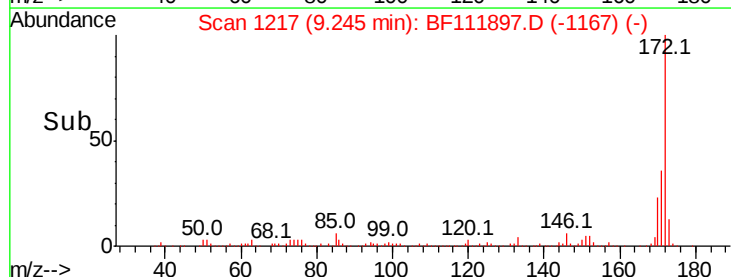
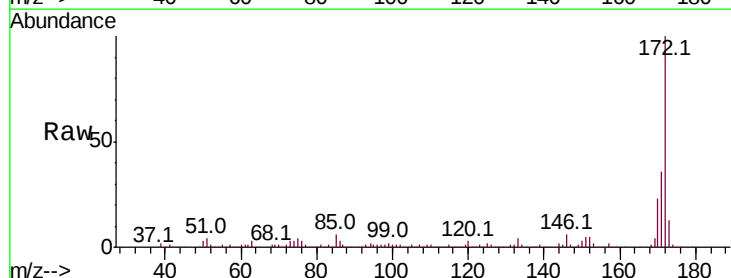
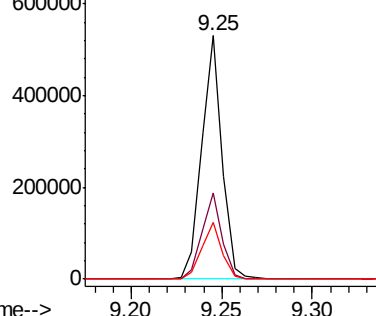
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.6	44.4	
170	23.1	19.8	29.8	

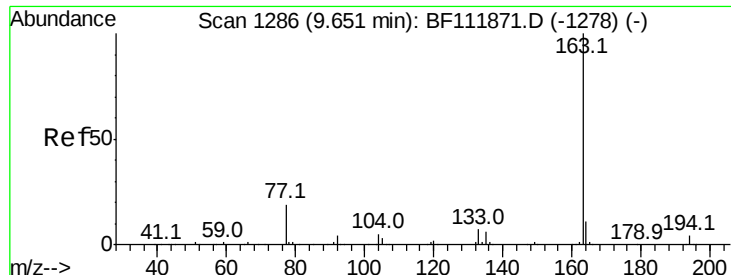
Abundance

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





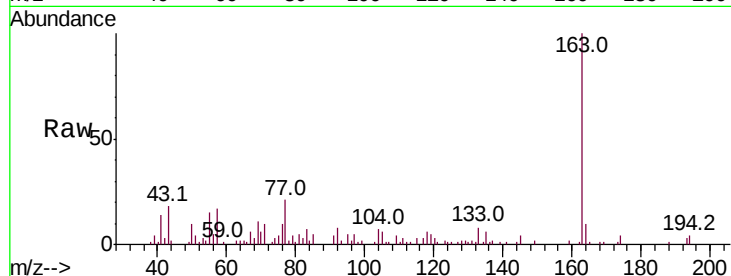
#50
Dimethylphthalate
Concen: 2.522 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

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

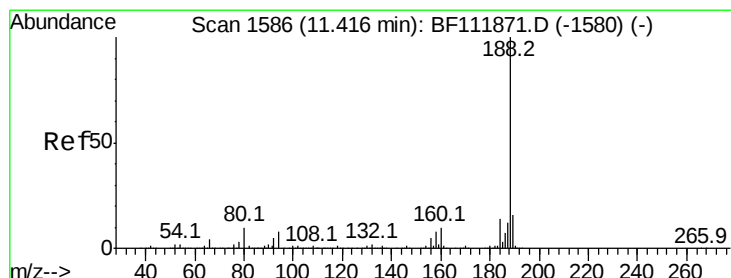
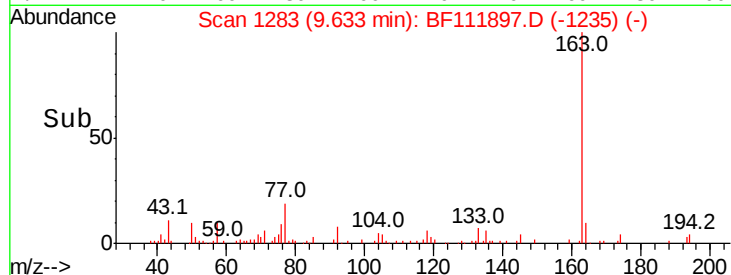
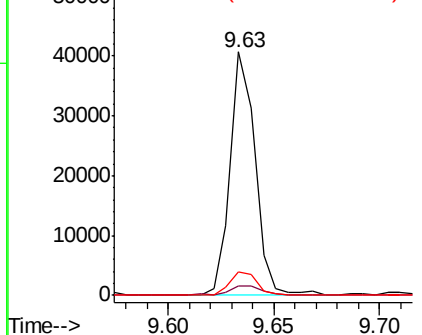
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.4	5.2
164	9.6	8.5	12.7

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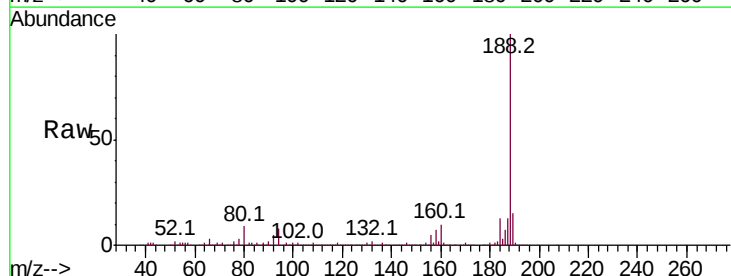


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

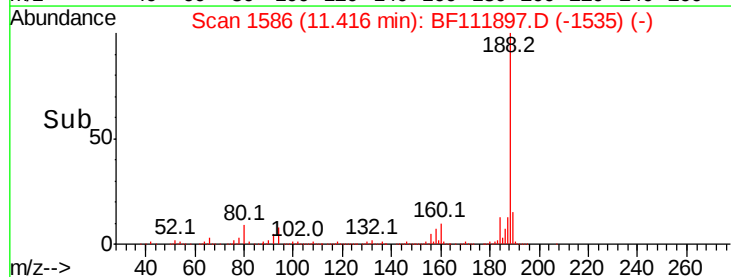
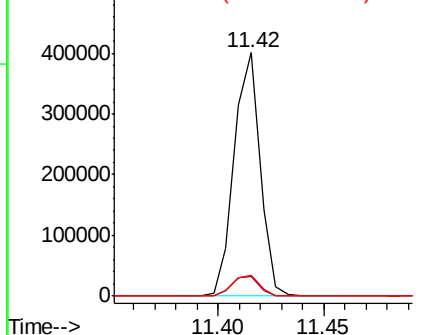


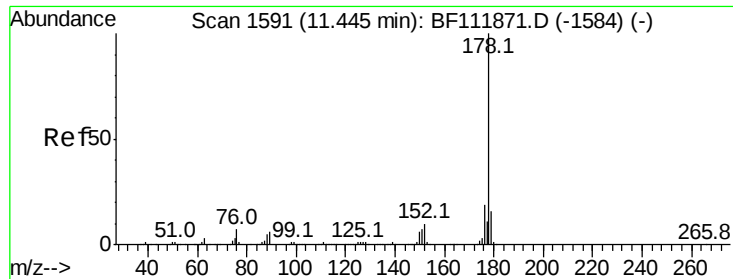
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.6	10.0
80	8.7	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





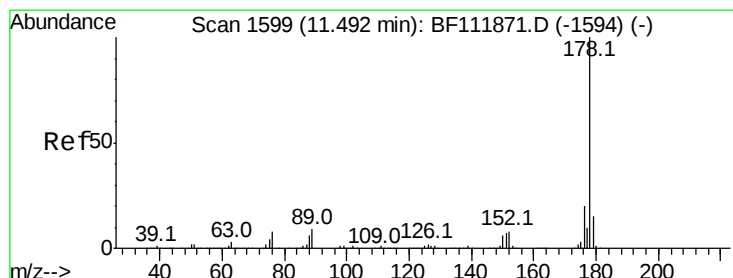
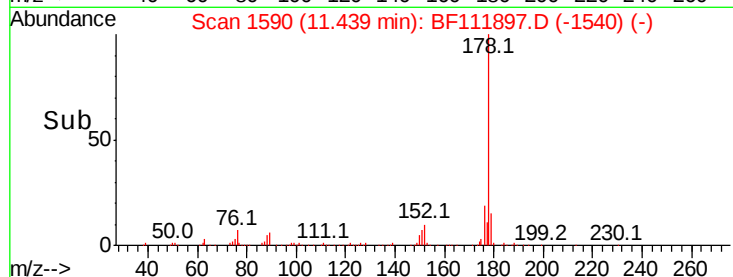
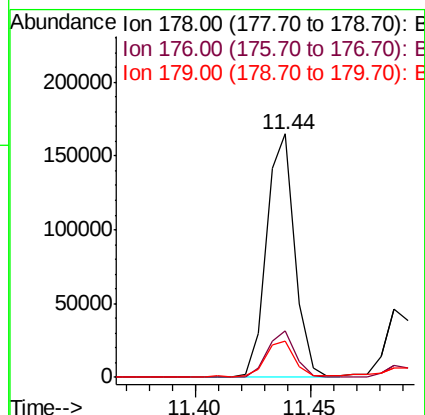
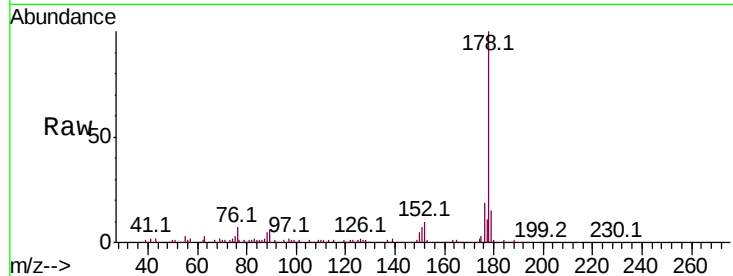
#71
Phenanthrene
Concen: 7.733 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	14.8	12.6	18.8

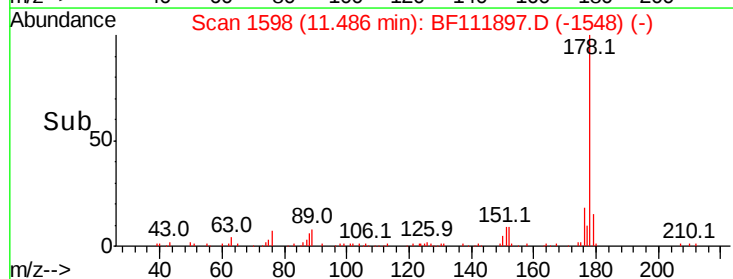
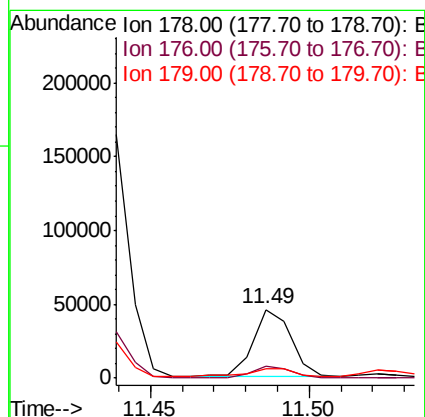
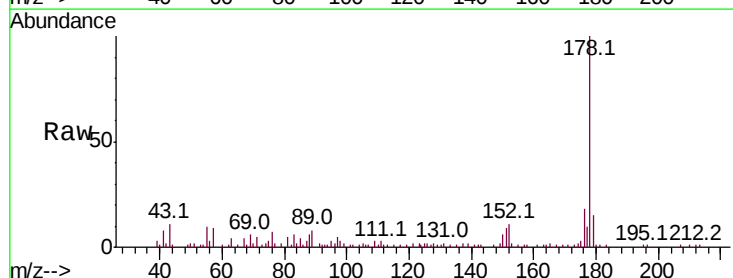
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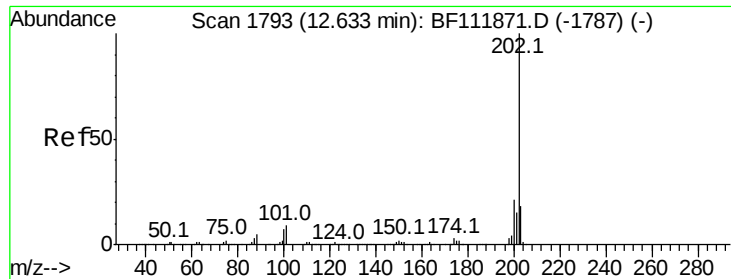
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#72
Anthracene
Concen: 2.059 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.7	23.5
179	14.5	12.4	18.6





#75

Fluoranthene

Concen: 13.747 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF111897.D

Acq: 8 Jan 2019 00:42

Instrument :

BNA_F

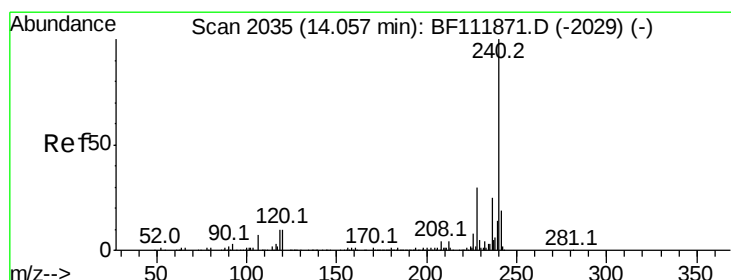
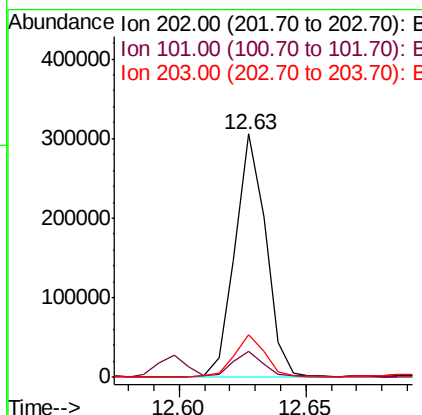
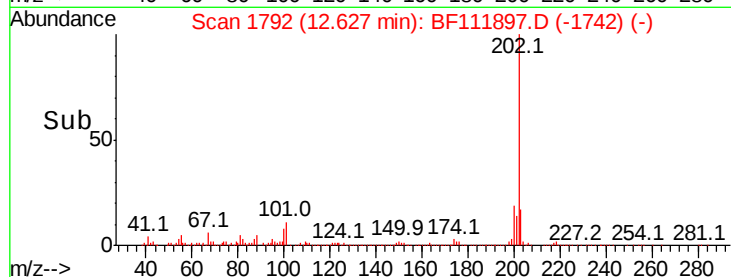
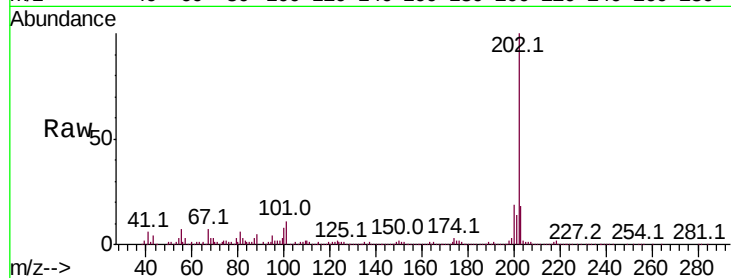
ClientSampleId :

EO-02-010419-B

Tot Ion:	202	Resp:	256317
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	29.3
203	17.5	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

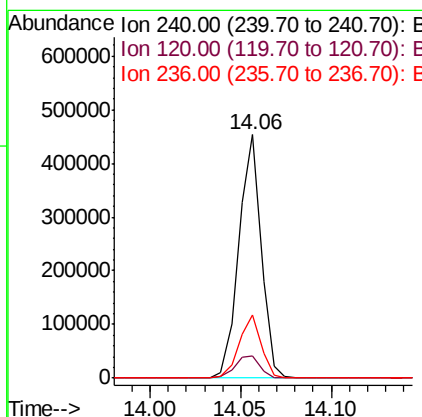
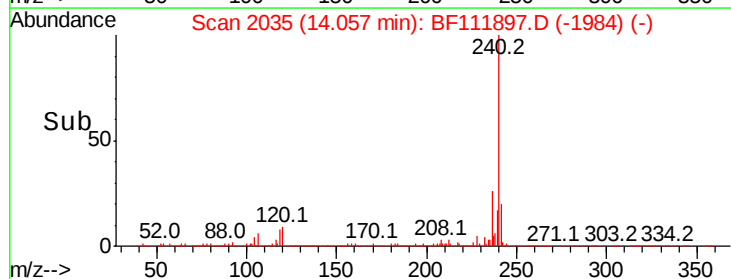
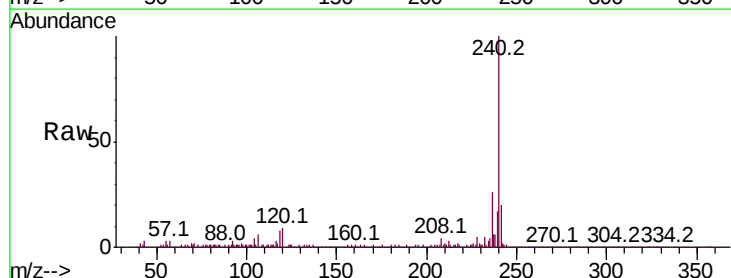
RT: 14.06 min Scan# 2035

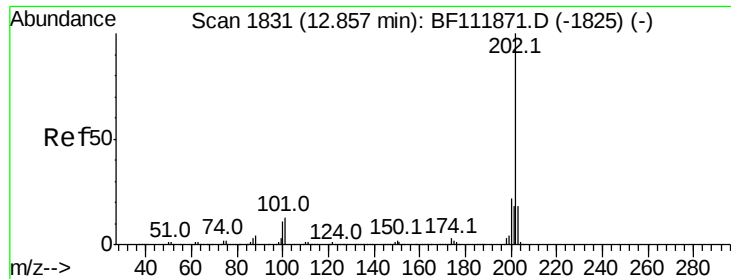
Delta R.T. -0.00 min

Lab File: BF111897.D

Acq: 8 Jan 2019 00:42

Tgt Ion:	240	Resp:	387219
Ion Ratio	Lower	Upper	
240	100		
120	9.1	8.2	12.2
236	26.1	20.2	30.4





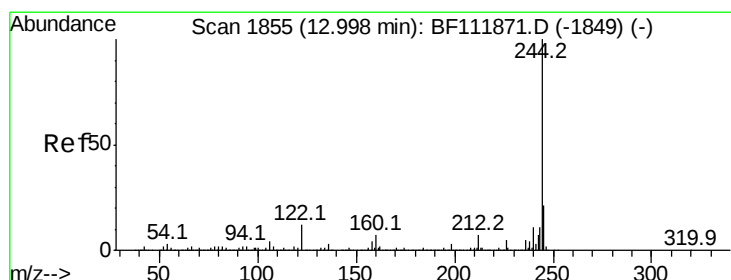
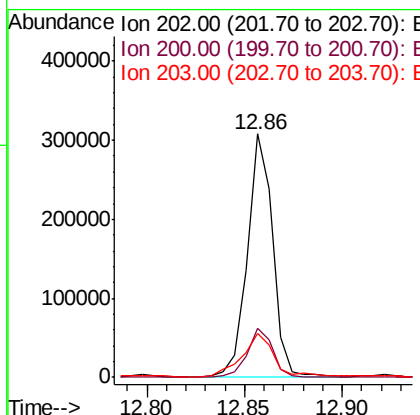
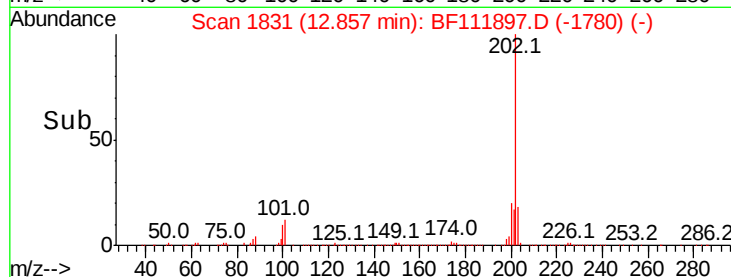
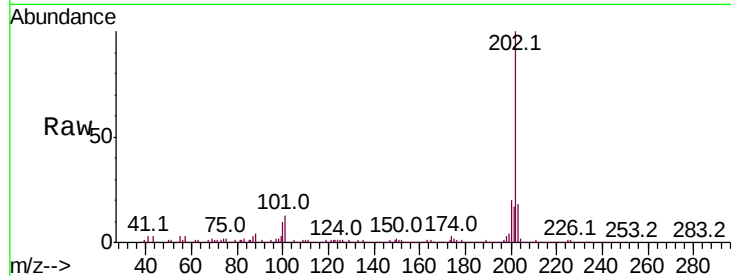
#78
Pvrene
Concen: 10.339 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	18.1	14.6	21.8

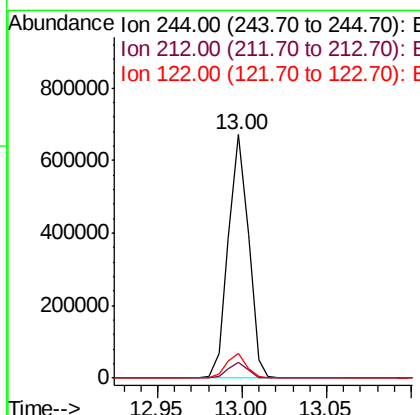
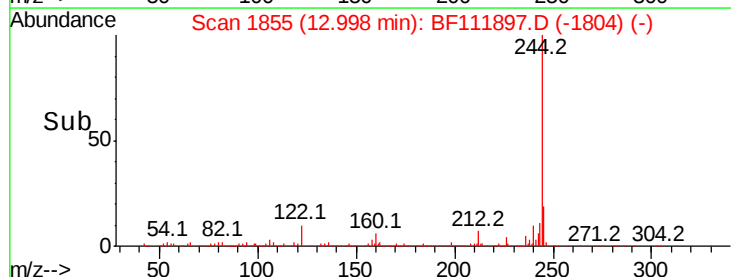
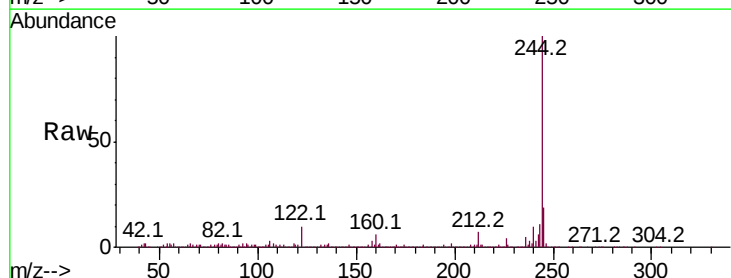
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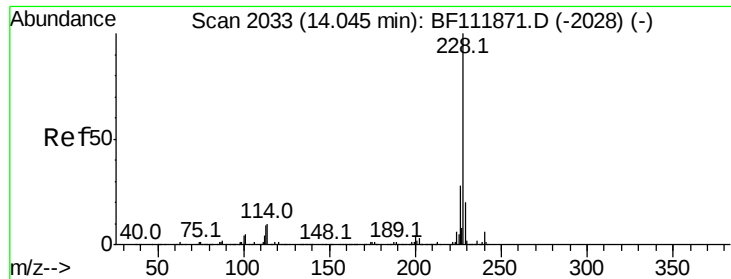
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#79
Terphenyl-d14
Concen: 27.422 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	9.9	9.5	14.3





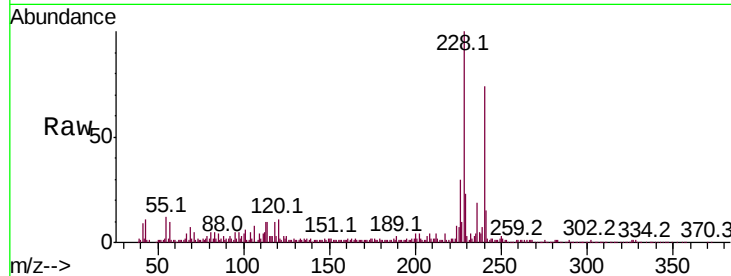
#81
Benzo(a)anthracene
Concen: 6.252 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.2	33.2
229	22.5	16.2	24.2

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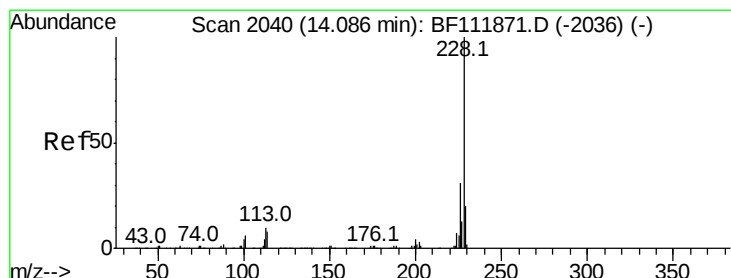
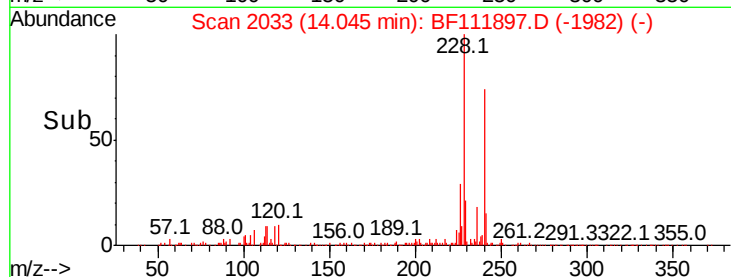
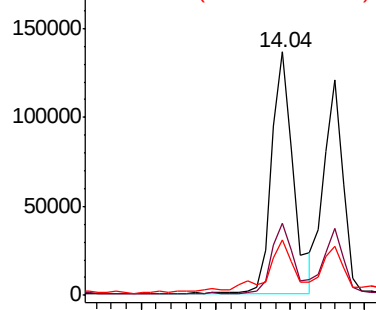


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 5.179 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

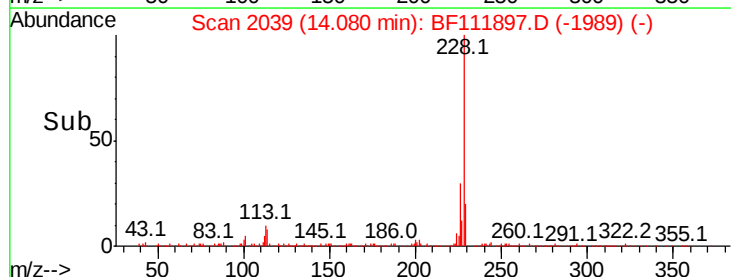
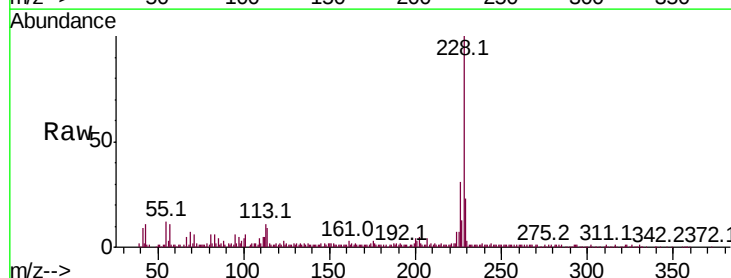
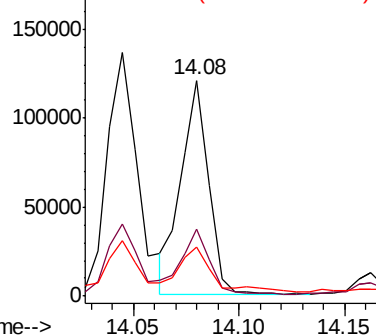
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	37.0
229	22.7	15.7	23.5

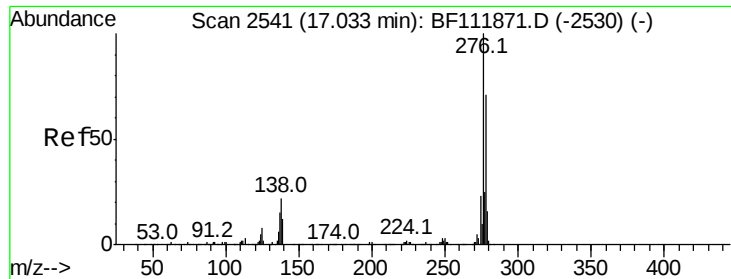
Abundance

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





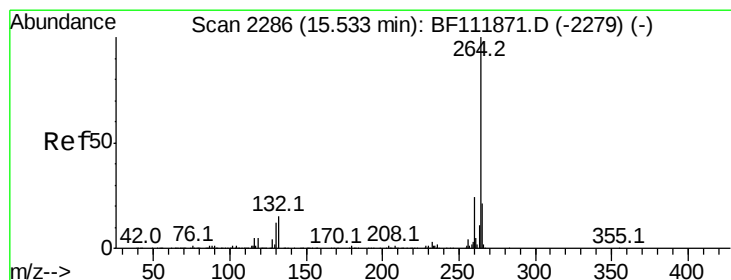
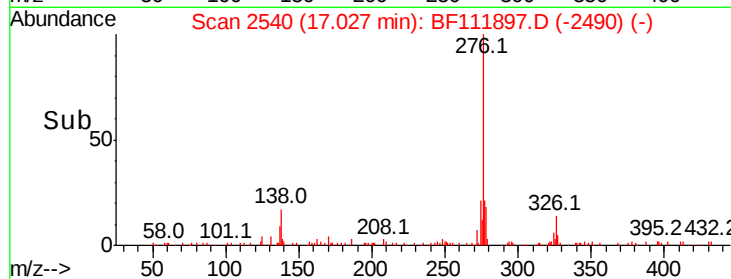
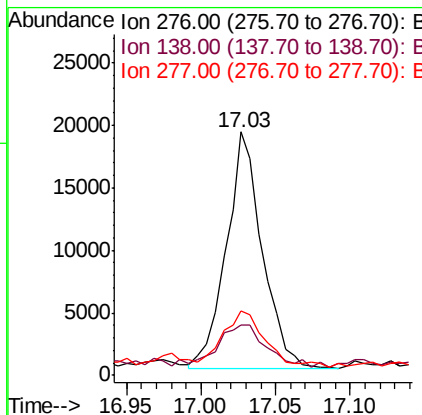
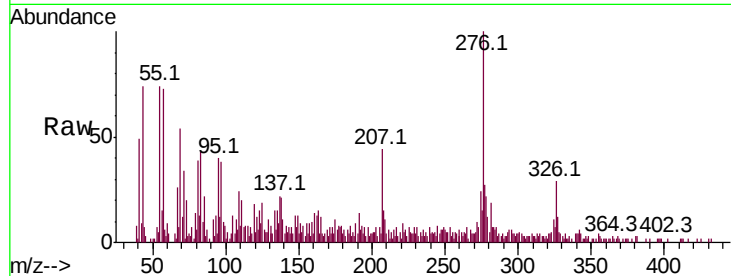
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.078 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.8	18.1	27.1
277	28.0	19.9	29.9

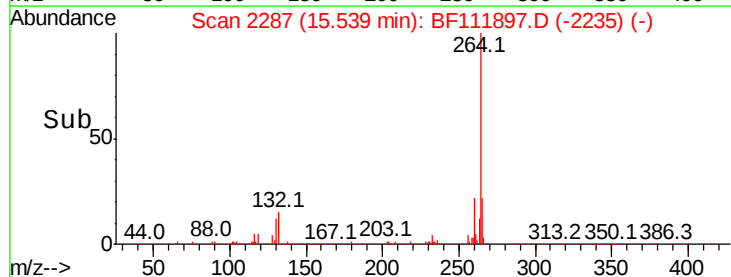
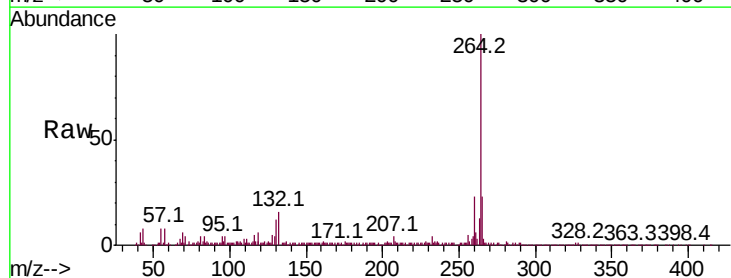
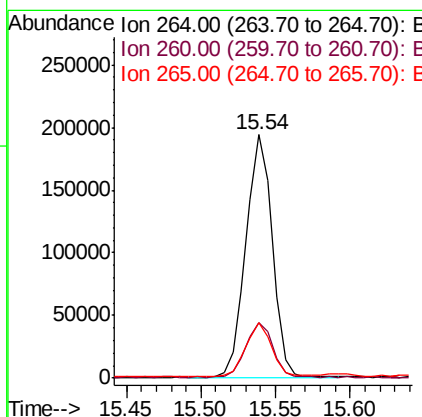
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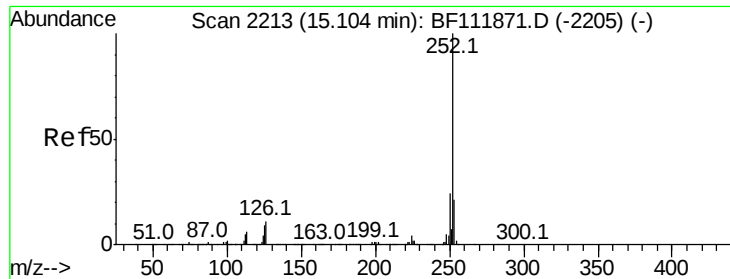
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	22.9	17.1	25.7





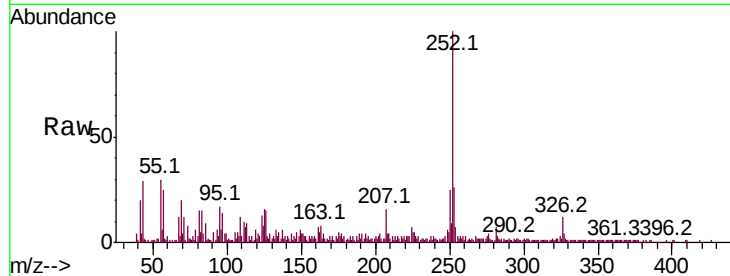
#88
Benzo(b)fluoranthene
Concen: 6.989 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.0	25.6#
125	15.9	7.1	10.7#

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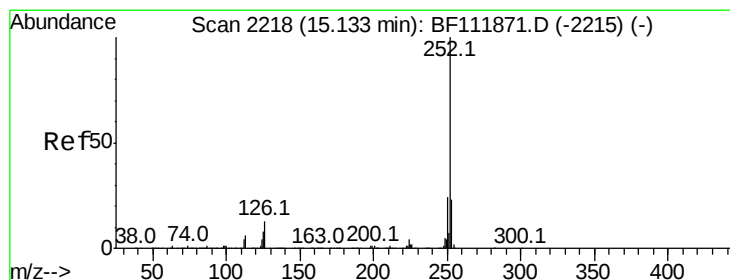
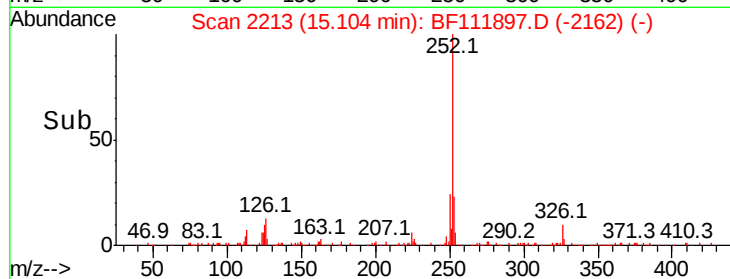
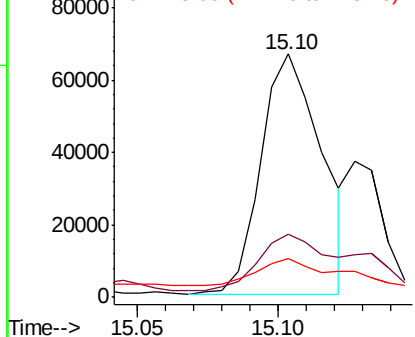


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.390 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

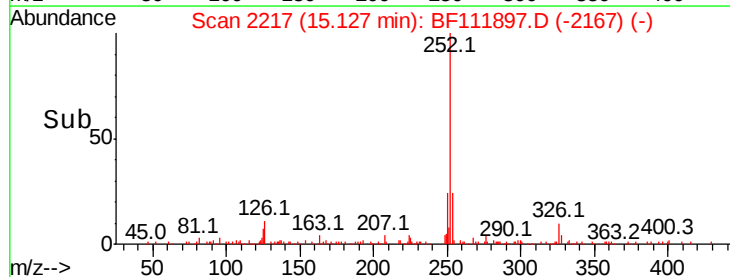
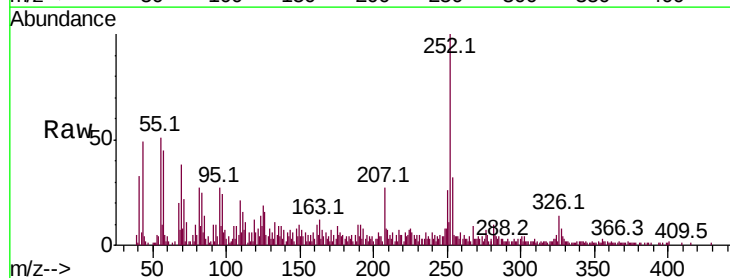
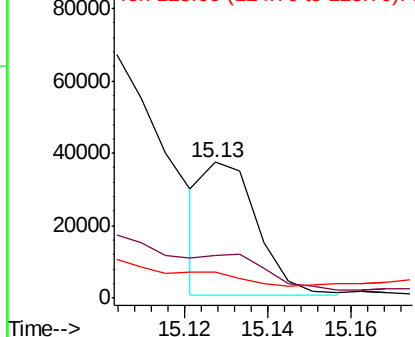
Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.9	17.8	26.6#
125	18.9	7.0	10.4#

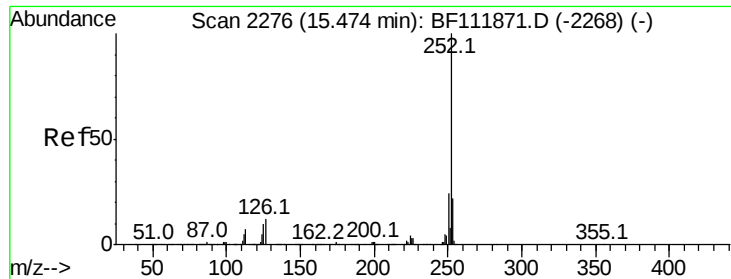
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





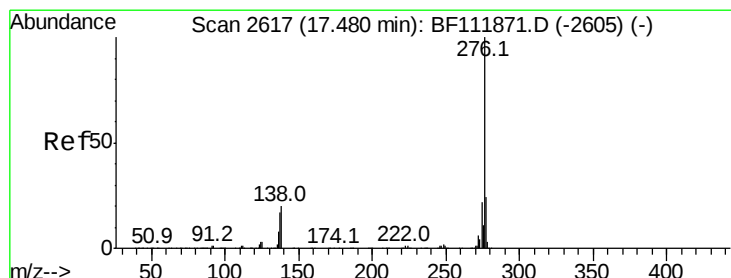
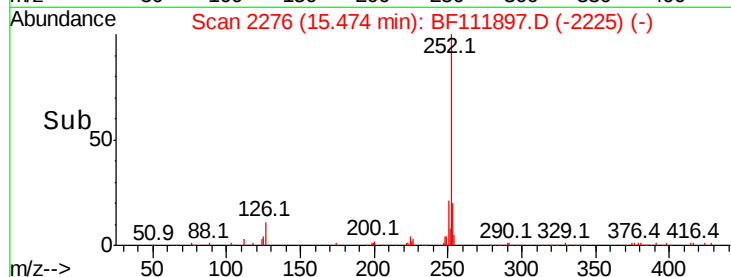
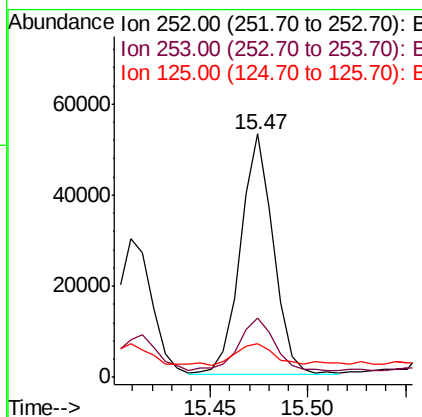
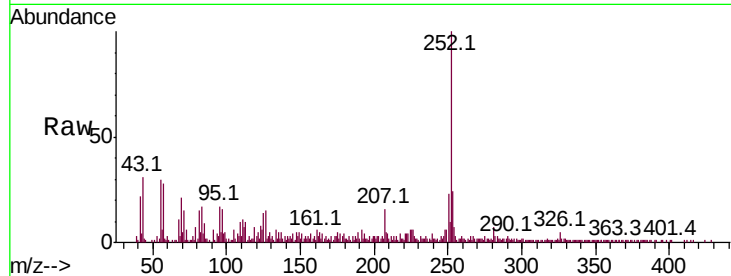
#90
Benzo(a)pyrene
Concen: 4.896 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.4	26.2
125	13.7	7.9	11.9

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#92
Benzo(g,h,i)perylene
Concen: 2.902 ng
RT: 17.48 min Scan# 2617
Delta R.T. -0.00 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.8	19.0	28.6
138	18.6	16.2	24.2

