

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
 Data File : BF111879.D
 Acq On : 7 Jan 2019 16:32
 Operator : JU/SJ
 Sample : K1041-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OS-1-5-COMP

Manual Integrations
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 1/8/2019 11:20:46 AM

Quant Time: Jan 07 17:11:30 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	180297	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	695889	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	331743	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	609417	20.00	ng	0.00
76) Chrysene-d12	14.05	240	399102	20.00	ng	0.00
87) Perylene-d12	15.54	264	517170	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1116668	105.96	ng	0.00
7) Phenol-d6	6.53	99	1364264	100.44	ng	0.00
23) Nitrobenzene-d5	7.45	82	906258	69.60	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	402434	93.26	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1608820	70.72	ng	0.00
79) Terphenyl-d14	13.00	244	1411724	67.14	ng	0.00
Target Compounds						
10) Phenol	6.54	94	69660	4.719	ng	84
50) Dimethylphthalate	9.63	163	146284	5.870	ng	98
71) Phenanthrene	11.43	178	99001	3.038	ng	99
75) Fluoranthene	12.62	202	164319	4.913	ng	99
78) Pyrene	12.85	202	141832	5.165	ng	96
81) Benzo(a)anthracene	14.04	228	67350	2.932	ng	98
83) Chrysene	14.07	228	60439	2.760	ng	98
86) Indeno(1,2,3-cd)pyrene	17.03	276	40422	2.532	ng	98
88) Benzo(b)fluoranthene	15.11	252	100291m	3.242	ng	
90) Benzo(a)pyrene	15.47	252	73655	2.708	ng	# 98

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

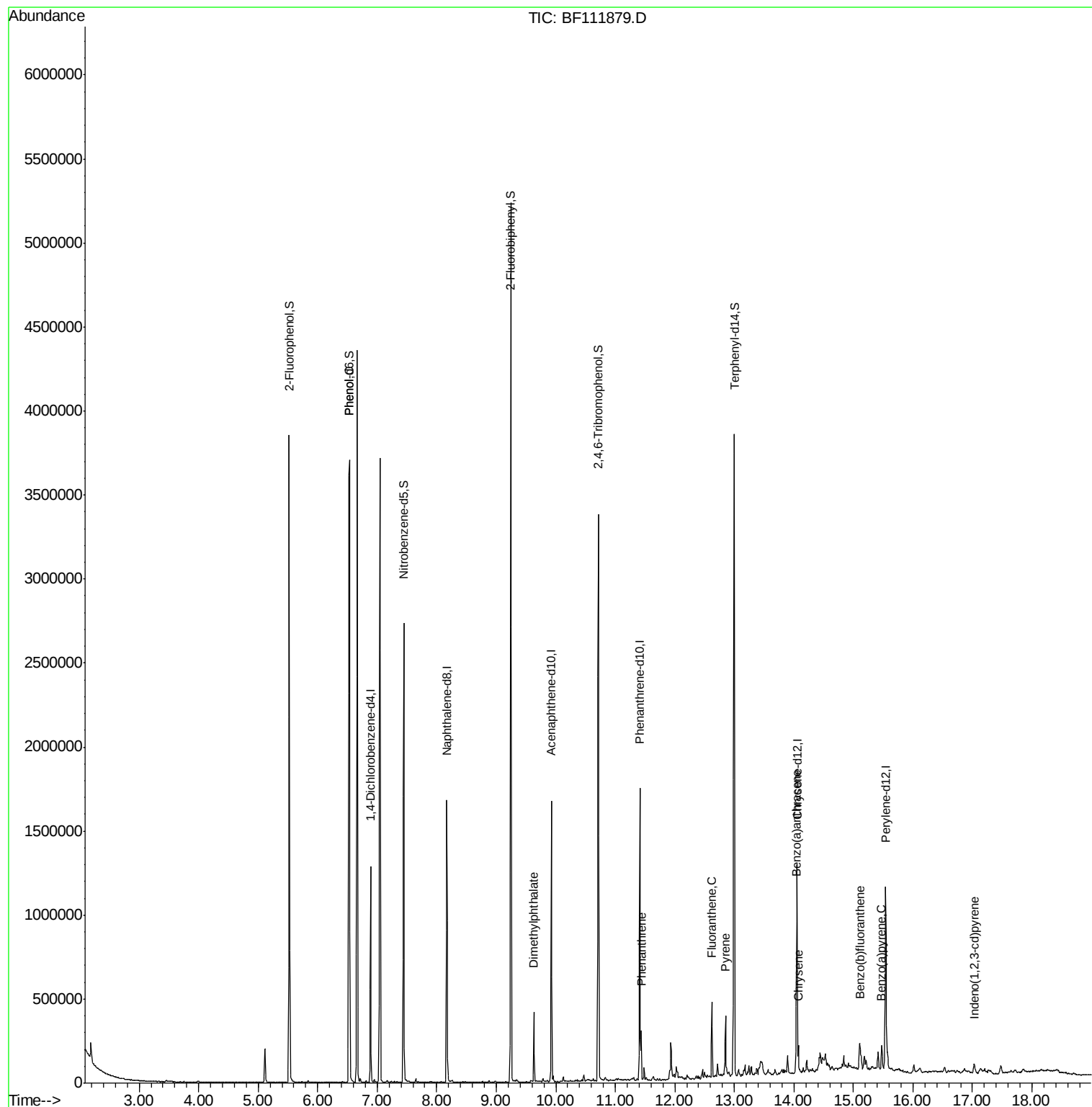
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111879.D
Acq On : 7 Jan 2019 16:32
Operator : JU/SJ
Sample : K1041-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

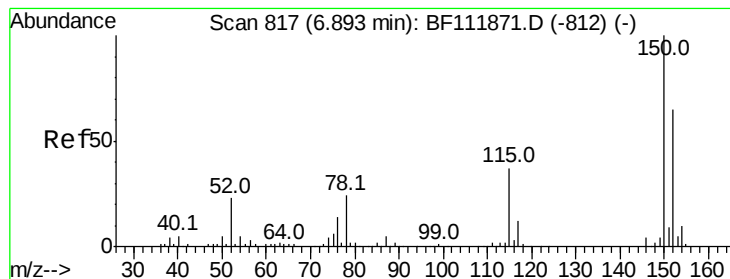
Instrument :
BNA_F
ClientSampleId :
OS-1-5-COMP

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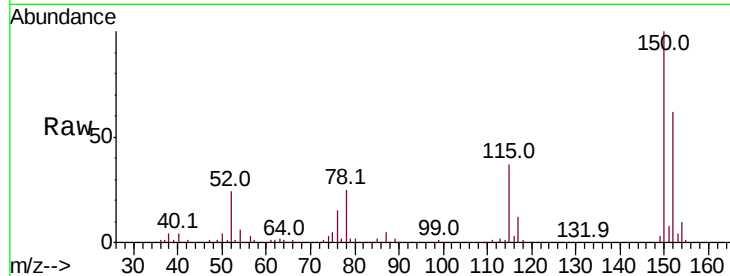
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF111879.D
 Acq: 7 Jan 2019 16:32

Instrument :
 BNA_F
 ClientSampleId :
 OS-1-5-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	122.7	184.1
115	59.6	45.2	67.8

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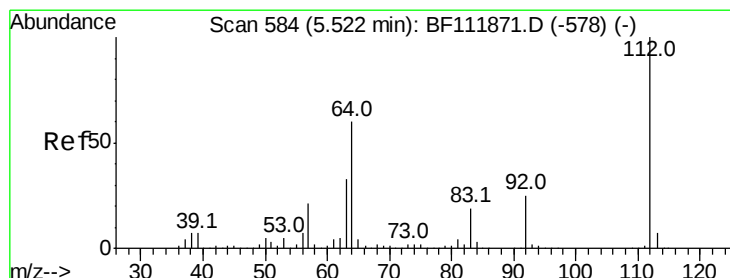
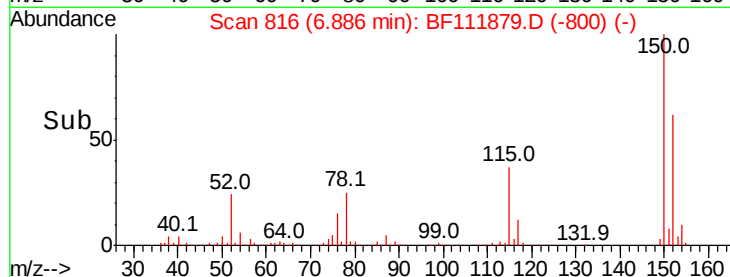
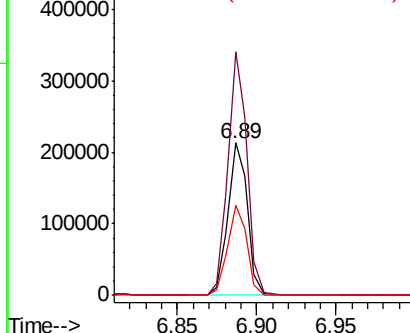


Abundance

Ion 152.00 (151.70 to 152.70): E

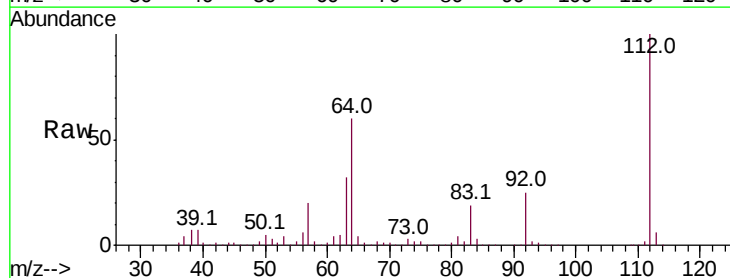
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 105.959 ng
 RT: 5.53 min Scan# 585
 Delta R.T. 0.01 min
 Lab File: BF111879.D
 Acq: 7 Jan 2019 16:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	48.3	72.5
63	32.2	26.1	39.1

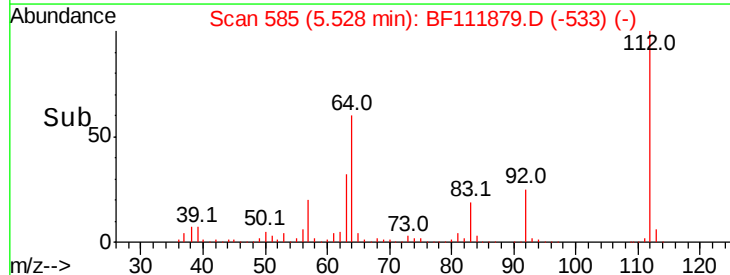
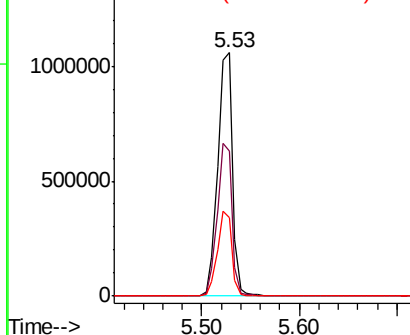


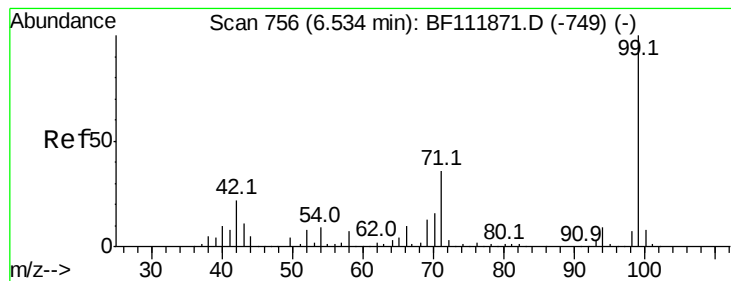
Abundance

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: 100.439 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

Instrument :

BNA_F

ClientSampleId :

OS-1-5-COMP

Tot Ion: 99 Resp: 1364264

Ion Ratio Lower Upper

99 100

42 20.9 17.9 26.9

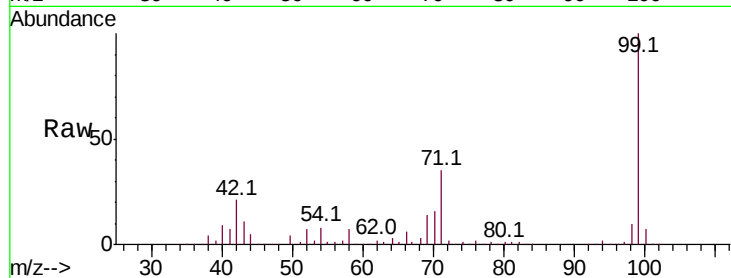
71 34.9 28.7 43.1

Manual Integrations

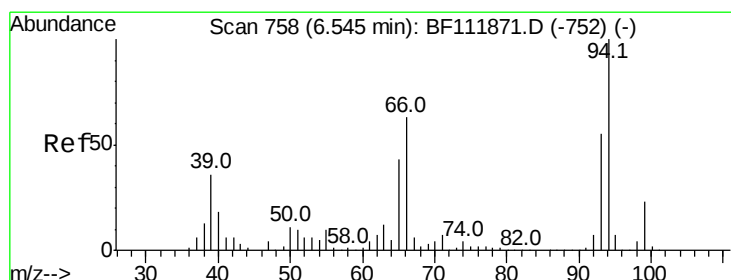
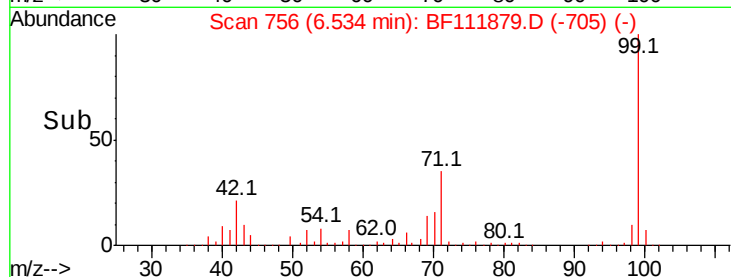
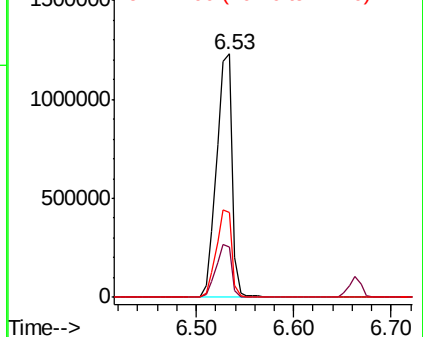
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.719 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

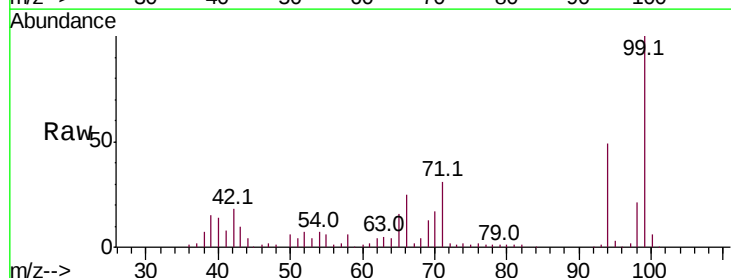
Tgt Ion: 94 Resp: 69660

Ion Ratio Lower Upper

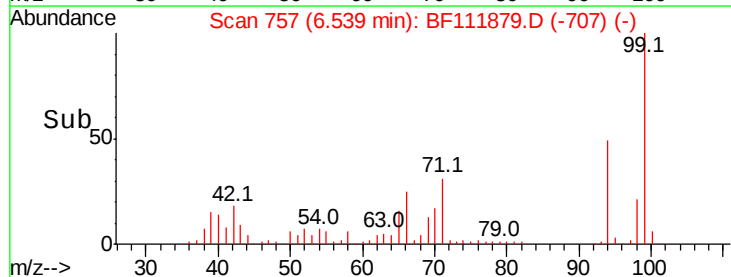
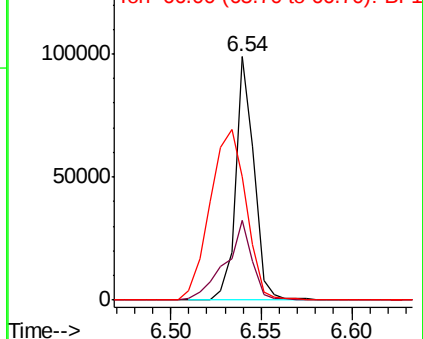
94 100

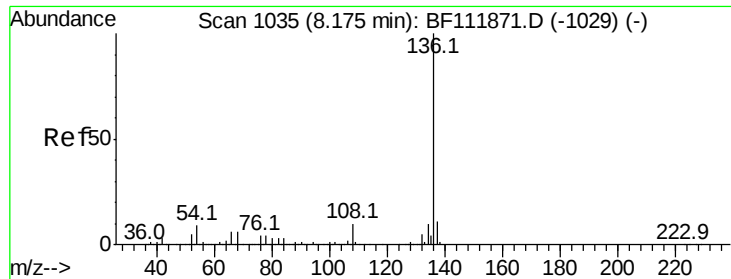
65 32.8 22.8 62.8

66 50.7 43.3 83.3



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

Instrument :

BNA_F

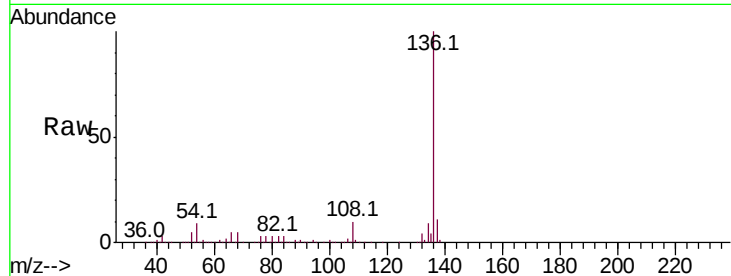
ClientSampleId :

OS-1-5-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100	695889		
137	11.1	9.1	13.7	
54	8.8	7.2	10.8	
68	5.3	4.4	6.6	

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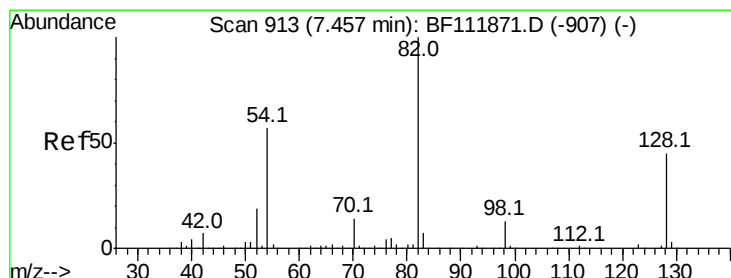
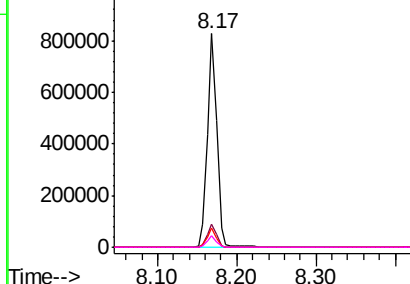
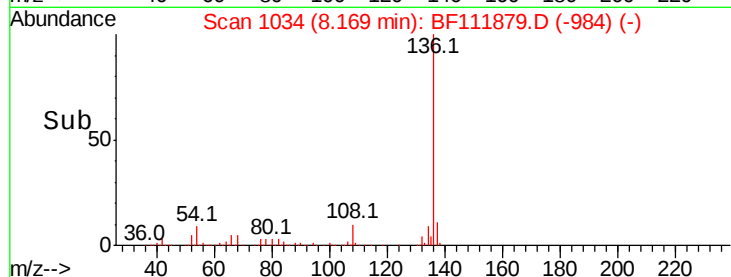
Abundance

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: 69.602 ng

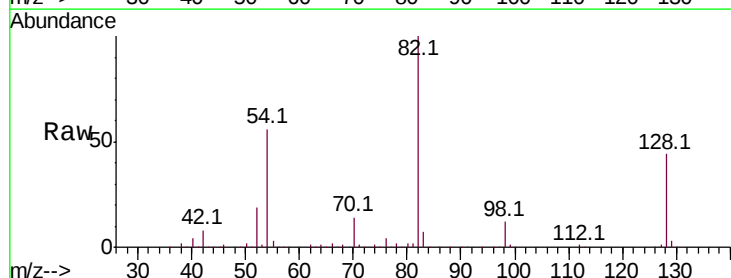
RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	906258		
128	44.4	35.7	53.5	
54	56.2	45.8	68.8	

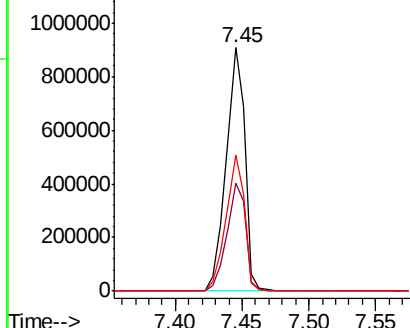
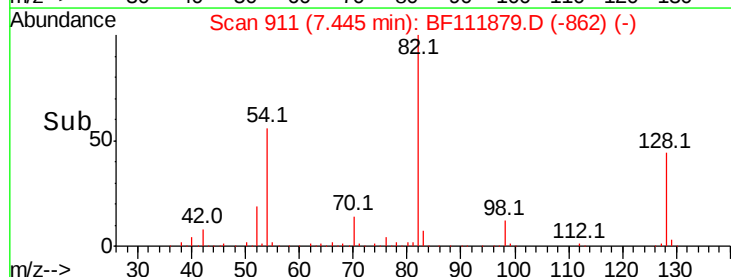


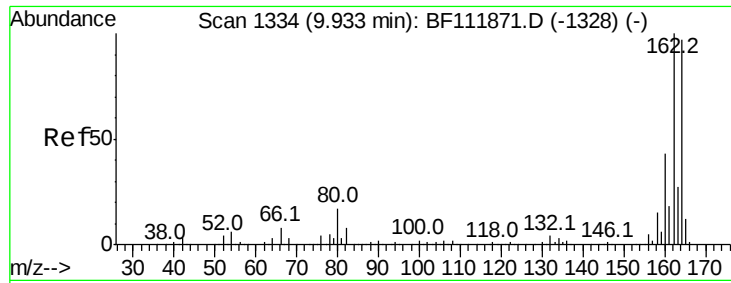
Abundance

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





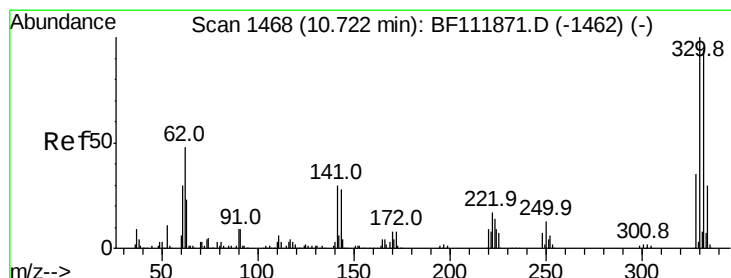
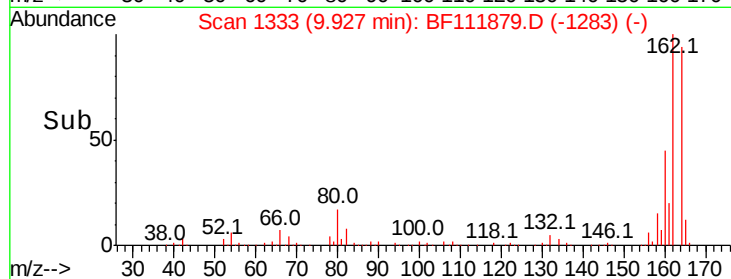
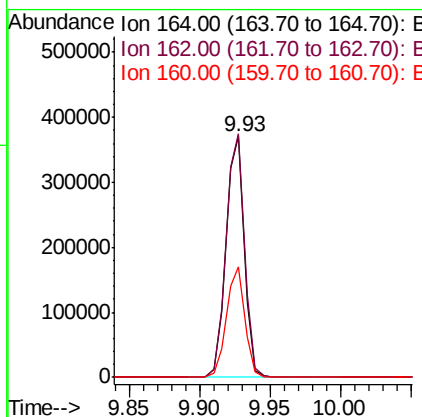
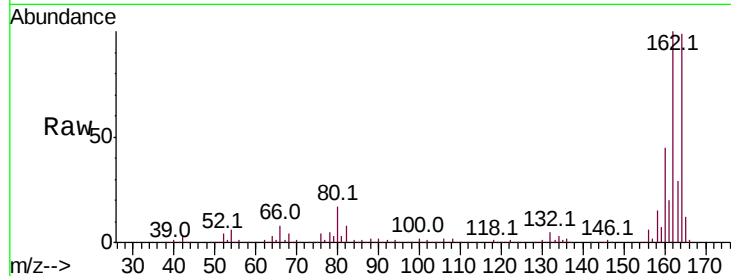
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Instrument :
BNA_F
ClientSampleId :
OS-1-5-COMP

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.2	123.2
160	45.7	35.5	53.3

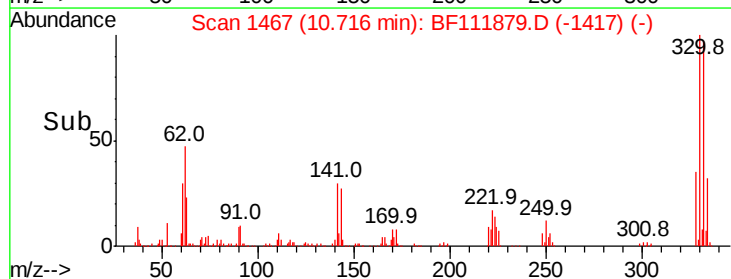
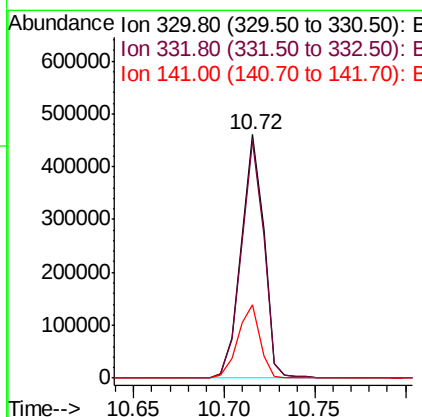
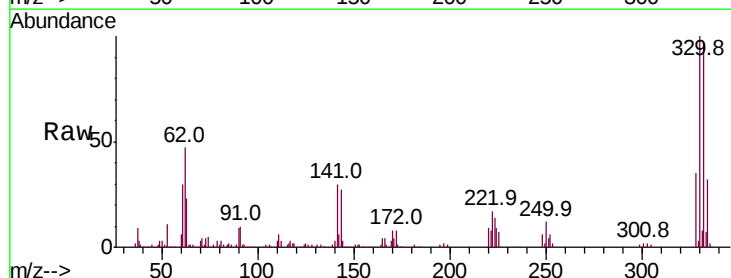
Manual Integrations
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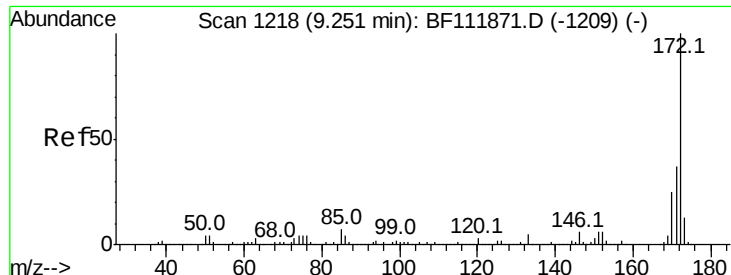
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#42
2,4,6-Tribromophenol
Concen: 93.265 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.9	115.3
141	29.8	23.7	35.5





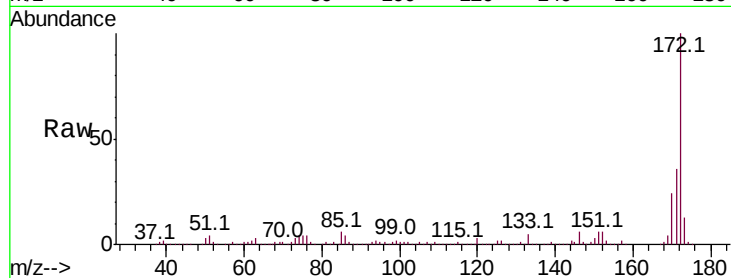
#45
2-Fluorobiphenyl
Concen: 70.717 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Instrument :
BNA_F
ClientSampleId :
OS-1-5-COMP

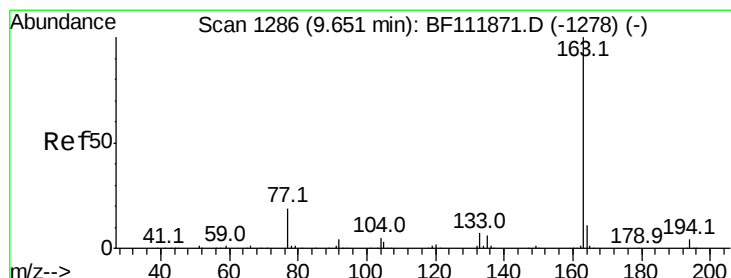
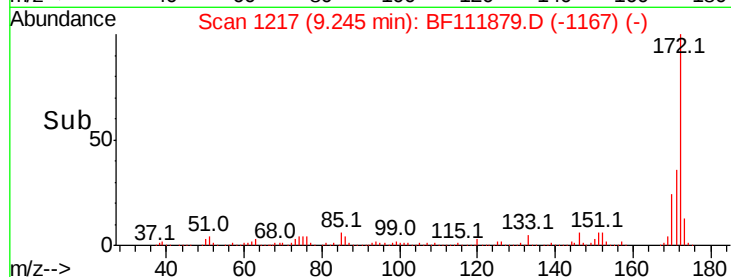
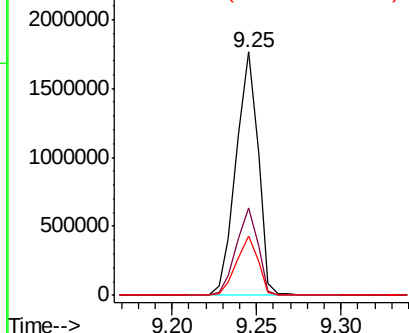
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.2	19.8	29.8

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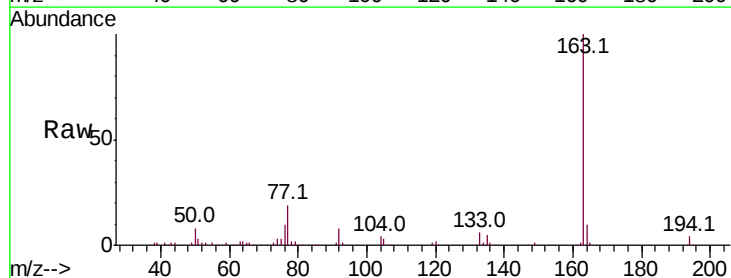


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

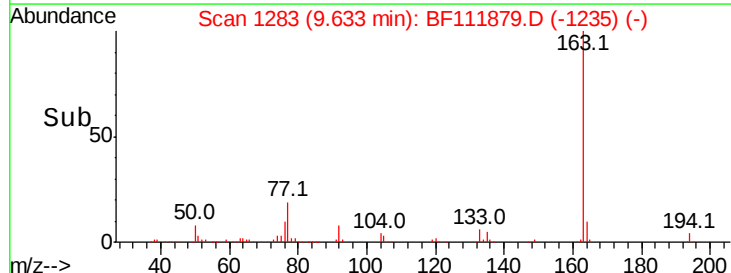
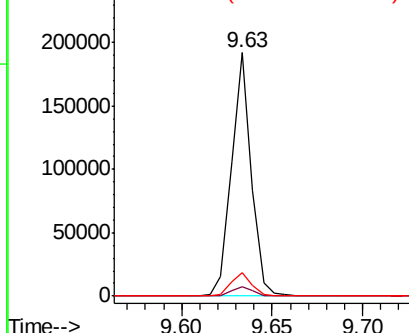


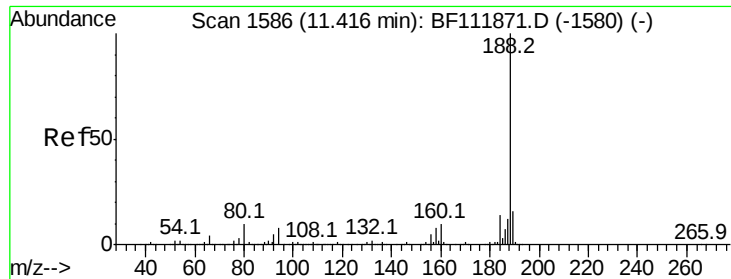
#50
Dimethylphthalate
Concen: 5.870 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.2
164	9.9	8.5	12.7



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





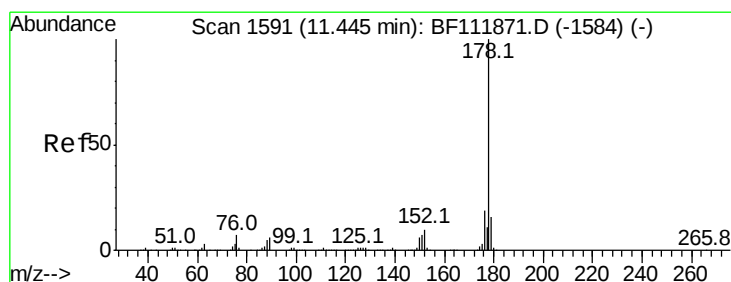
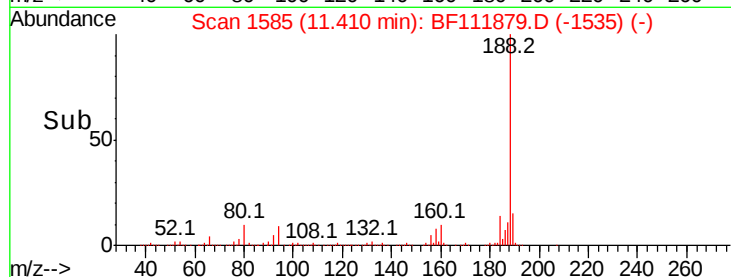
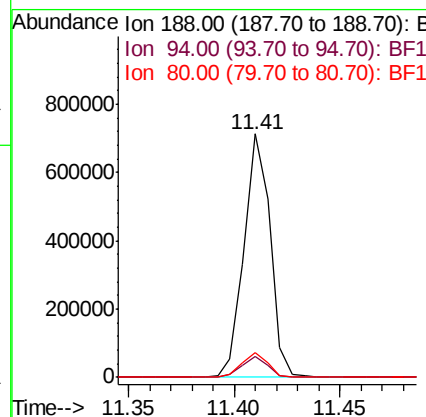
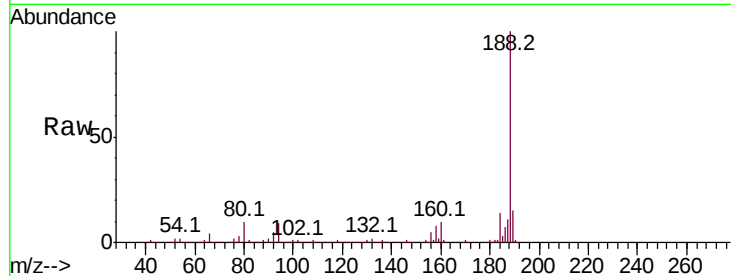
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Instrument :
BNA_F
ClientSampleId :
OS-1-5-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	609417		
94	8.8		6.6	10.0
80	10.1		7.7	11.5

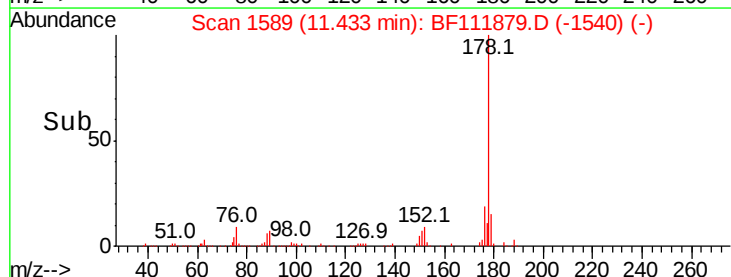
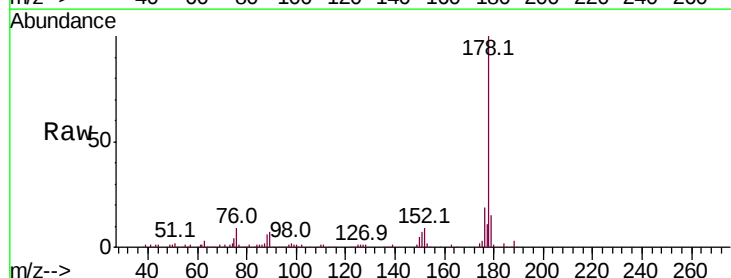
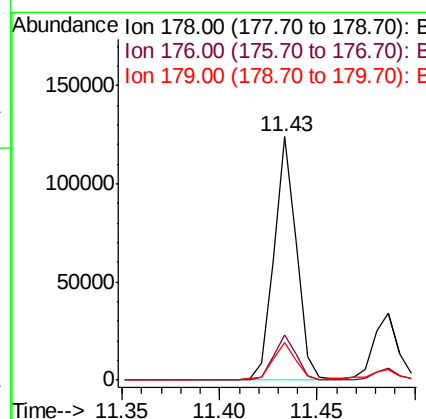
Manual Integrations
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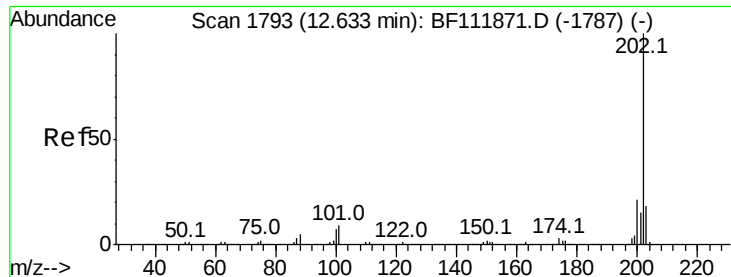
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#71
Phenanthrene
Concen: 3.038 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	99001		
176	18.8		15.6	23.4
179	15.3		12.6	18.8





#75

Fluoranthene

Concen: 4.913 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

Instrument :

BNA_F

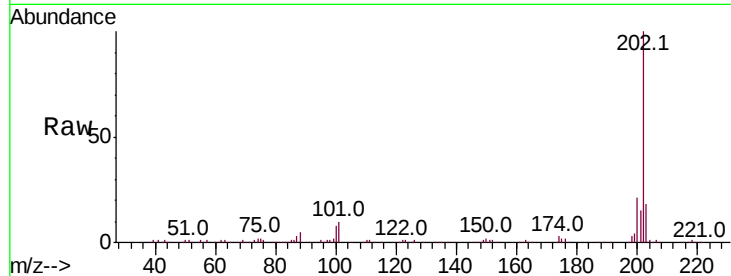
ClientSampleId :

OS-1-5-COMP

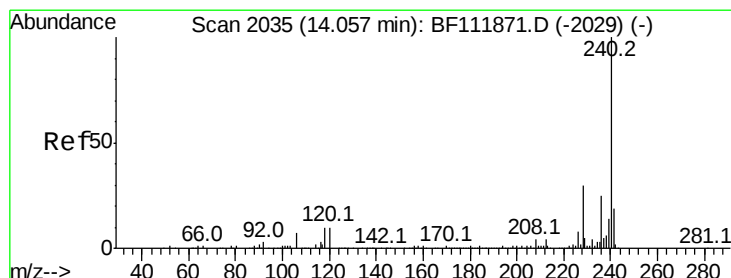
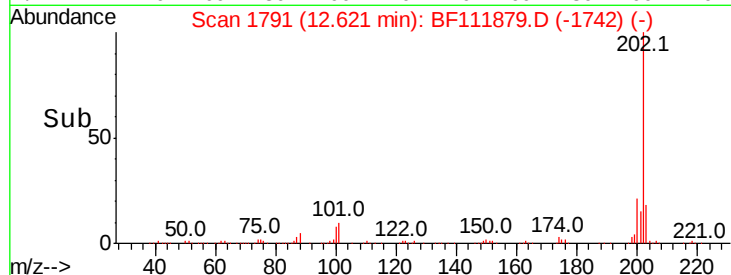
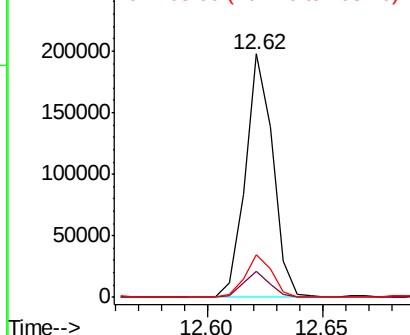
Tot Ion:	202	Resp:	164319
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	29.3
203	17.7	0.0	37.6

Manual Integrations
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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

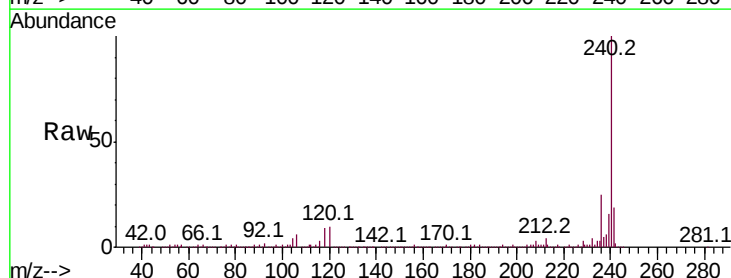
RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

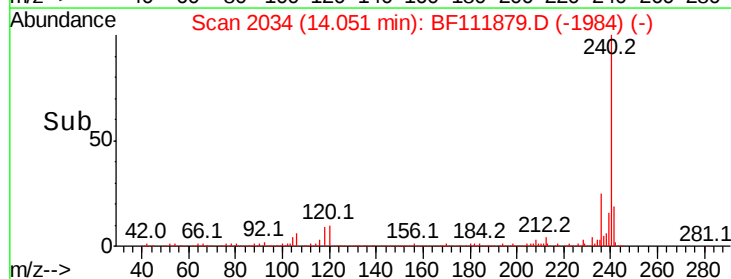
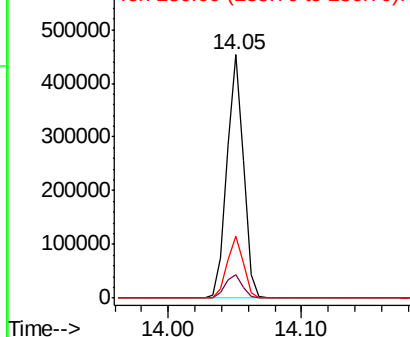
Lab File: BF111879.D

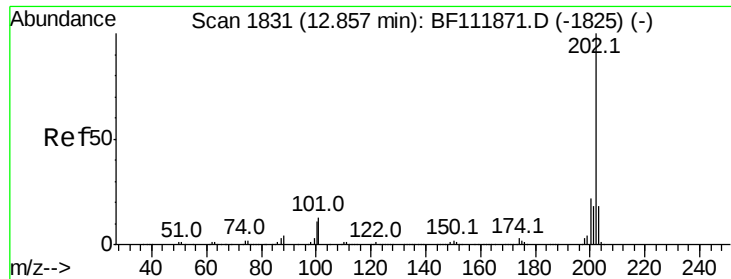
Acq: 7 Jan 2019 16:32

Tgt Ion:	240	Resp:	399102
Ion Ratio	Lower	Upper	
240	100		
120	9.6	8.2	12.2
236	25.3	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: 5.165 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

Instrument :

BNA_F

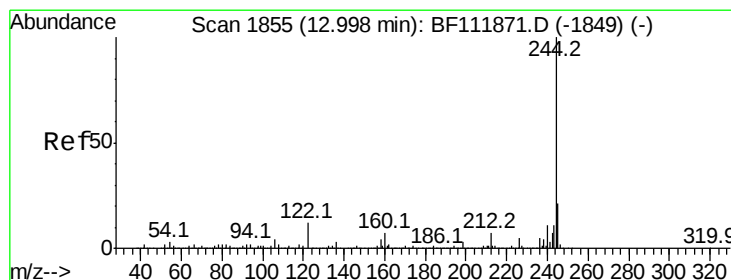
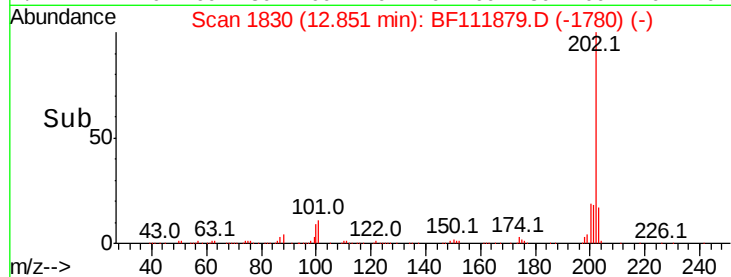
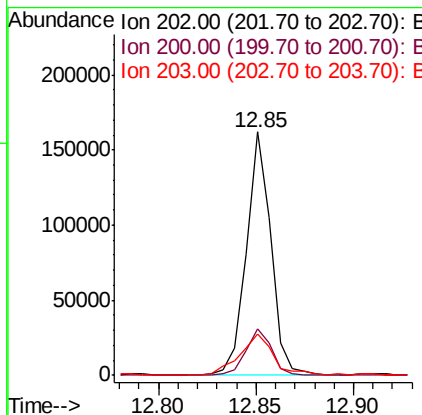
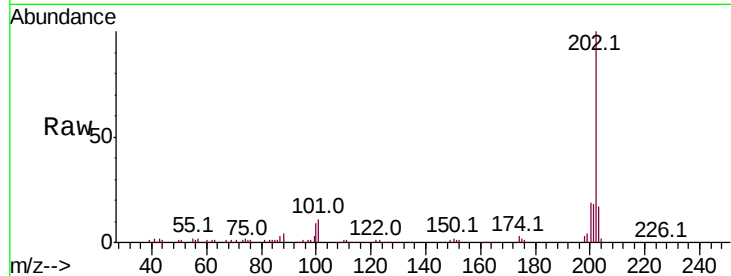
ClientSampleId :

OS-1-5-COMP

Tot Ion:	202	Resp:	141832
Ion Ratio	Lower	Upper	
202	100		
200	18.9	17.4	26.2
203	17.1	14.6	21.8

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#79

Terphenyl-d14

Concen: 67.145 ng

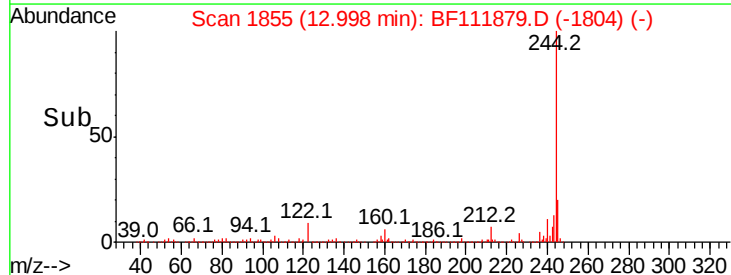
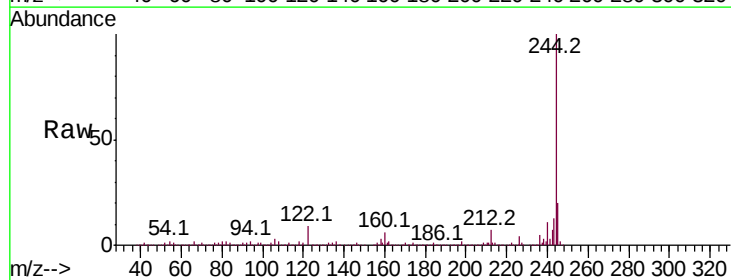
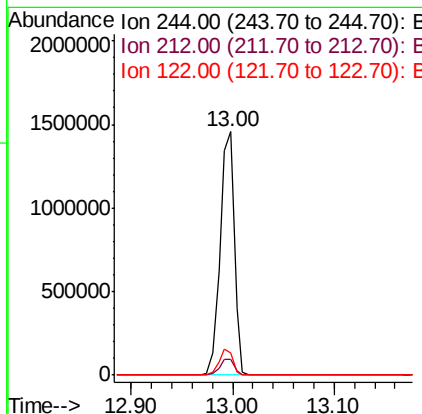
RT: 13.00 min Scan# 1855

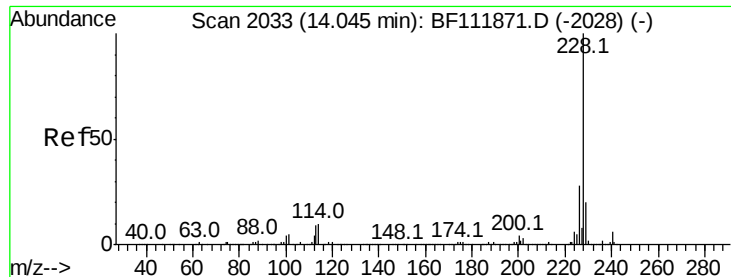
Delta R.T. -0.00 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

Tgt Ion:	244	Resp:	1411724
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.8	8.8
122	9.2	9.5	14.3#





#81

Benzo(a)anthracene

Concen: 2.932 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

Instrument :

BNA_F

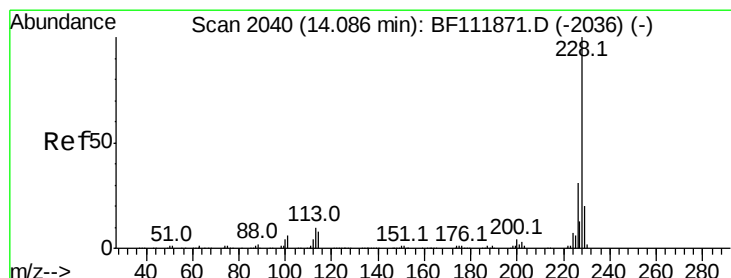
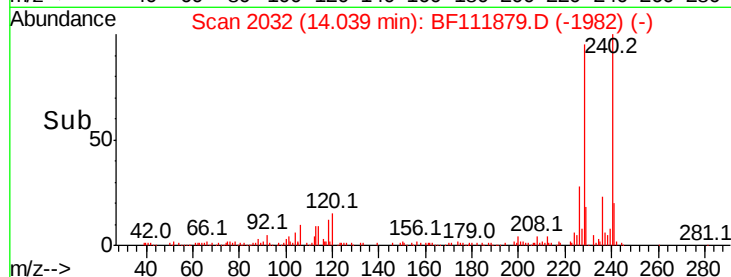
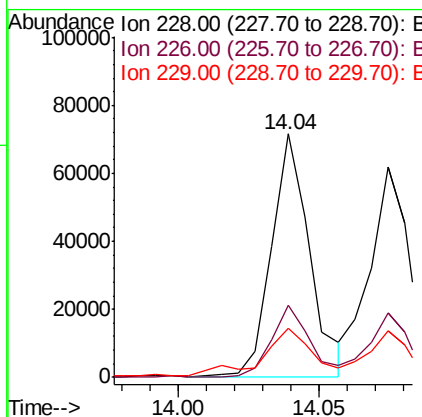
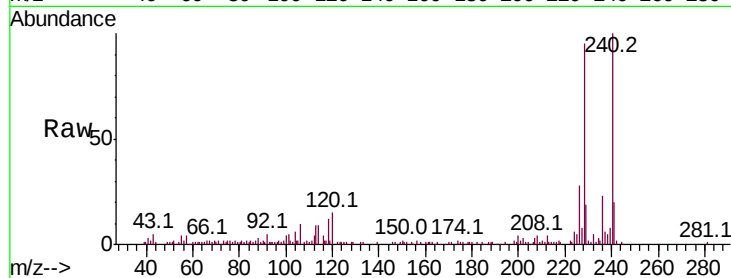
ClientSampleId :

OS-1-5-COMP

Tot Ion:228	Resp:	67350
Ion Ratio	Lower	Upper
228 100		
226 29.7	22.2	33.2
229 20.1	16.2	24.2

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#83

Chrysene

Concen: 2.760 ng

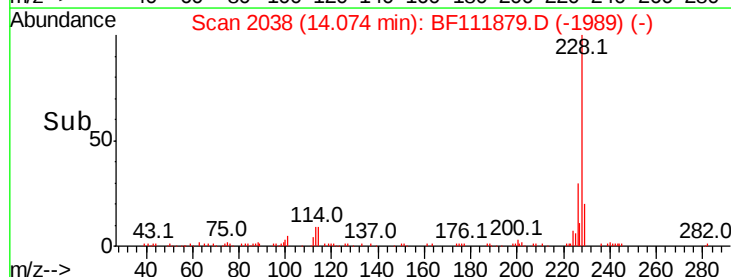
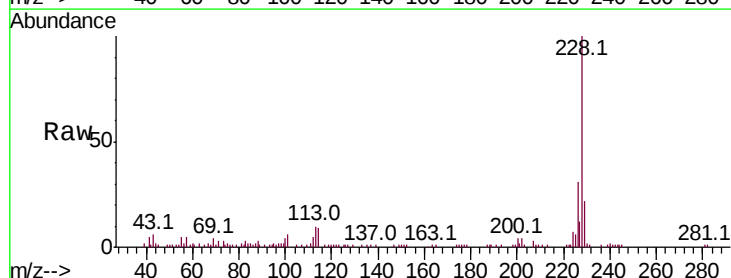
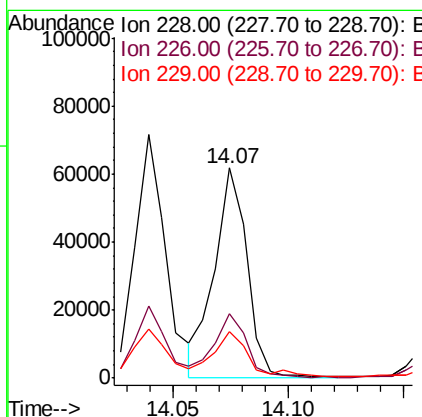
RT: 14.07 min Scan# 2038

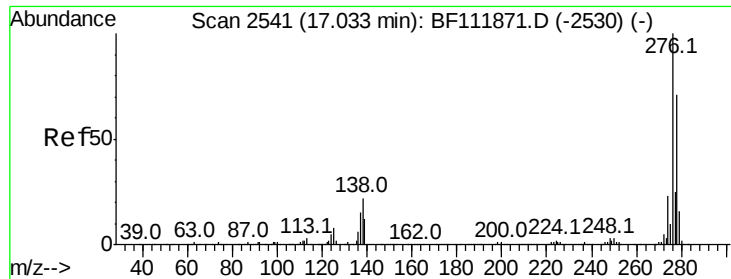
Delta R.T. -0.01 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

Tgt Ion:228	Resp:	60439
Ion Ratio	Lower	Upper
228 100		
226 30.9	24.6	37.0
229 22.1	15.7	23.5





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.532 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.01 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

Instrument :

BNA_F

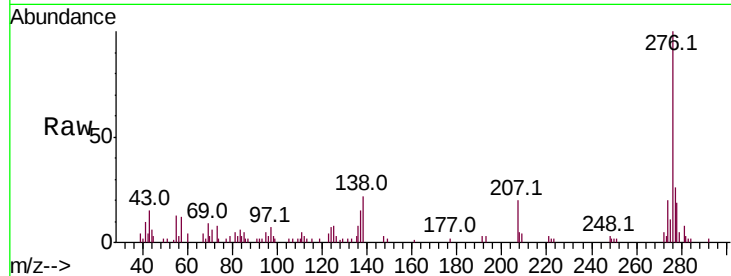
ClientSampleId :

OS-1-5-COMP

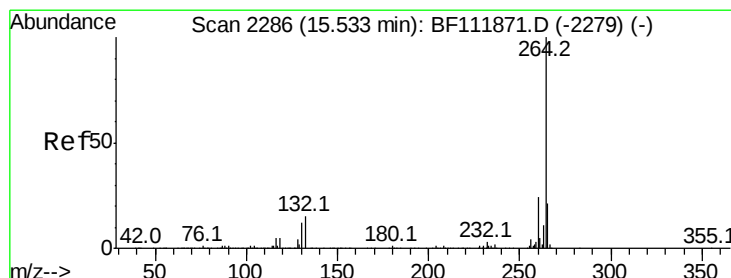
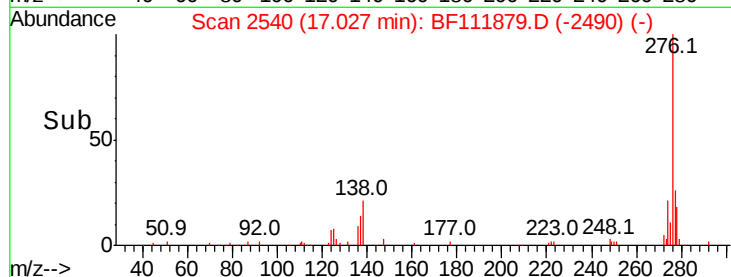
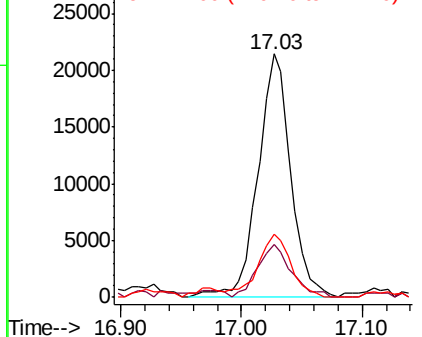
Tot Ion:	276	Resp:	40422
Ion Ratio	Lower	Upper	
276	100		
138	22.7	18.1	27.1
277	26.4	19.9	29.9

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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

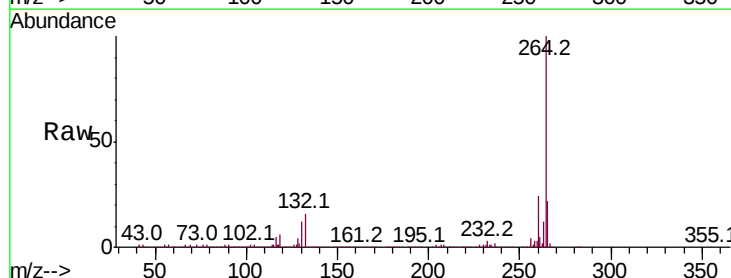
RT: 15.54 min Scan# 2288

Delta R.T. 0.01 min

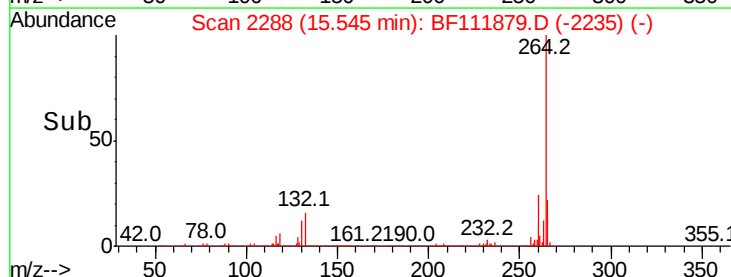
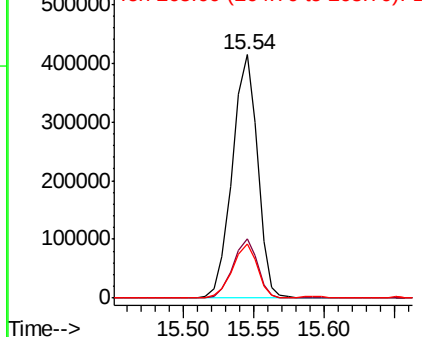
Lab File: BF111879.D

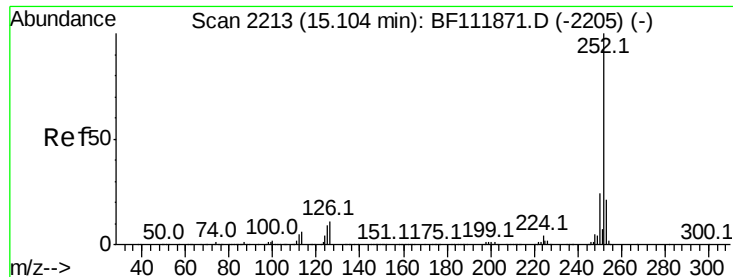
Acq: 7 Jan 2019 16:32

Tgt Ion:	264	Resp:	517170
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	22.0	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





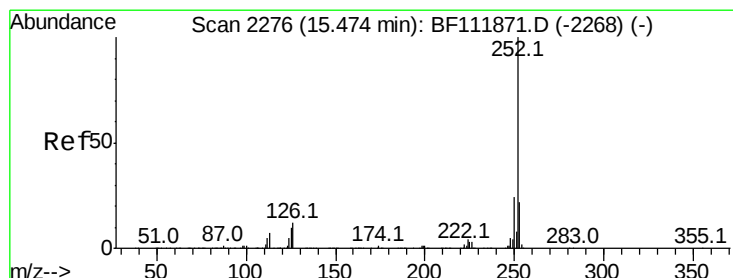
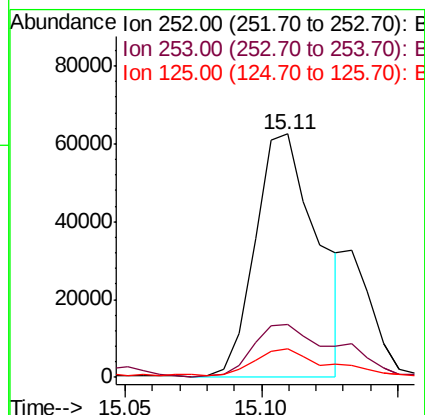
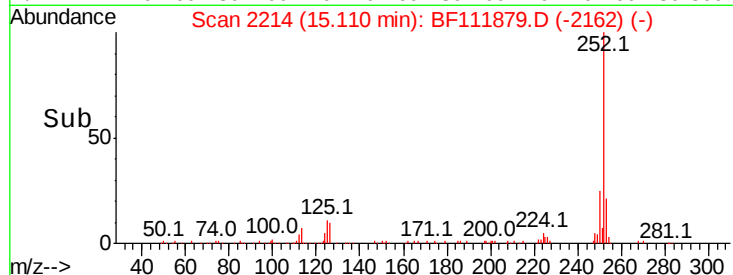
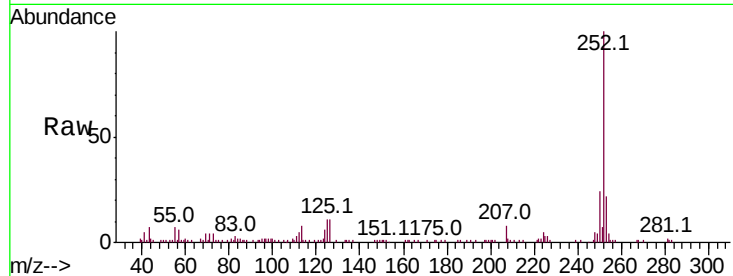
#88
Benzo(b)fluoranthene
Concen: 3.242 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Instrument :
BNA_F
ClientSampleId :
OS-1-5-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	11.5	7.1	10.7

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#90
Benzo(a)pyrene
Concen: 2.708 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	12.0	7.9	11.9

