

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112118\
 Data File : BF110930.D
 Acq On : 21 Nov 2018 16:05
 Operator : JU/SJ
 Sample : J6017-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VW-RO-294-CON

Manual Integrations
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mohammad
 11/23/2018 11:49:03 AM

Quant Time: Nov 21 22:40:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	59725	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	254498	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	115515	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	189892	20.00	ng	0.00
76) Chrysene-d12	14.13	240	133372	20.00	ng	0.00
87) Perylene-d12	15.67	264	125033	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	75164	20.44	ng	0.00
7) Phenol-d6	6.57	99	99948	21.26	ng	0.00
23) Nitrobenzene-d5	7.52	82	65500	14.82	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	18500	15.89	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	134937	16.68	ng	0.00
79) Terphenyl-d14	13.06	244	98179	13.79	ng	-0.01
Target Compounds						
71) Phenanthrene	11.50	178	23006	2.261	ng	Qvalue 97
75) Fluoranthene	12.70	202	41500	4.069	ng	100
78) Pyrene	12.93	202	79425	7.734	ng	96
81) Benzo(a)anthracene	14.12	228	52760	6.618	ng	98
83) Chrysene	14.16	228	53922	7.100	ng	98
86) Indeno(1,2,3-cd)pyrene	17.26	276	15148	2.779	ng	95
88) Benzo(b)fluoranthene	15.22	252	44115m	5.898	ng	
90) Benzo(a)pyrene	15.60	252	34674	5.102	ng	98
92) Benzo(g,h,i)perylene	17.74	276	15535	2.722	ng	# 91

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

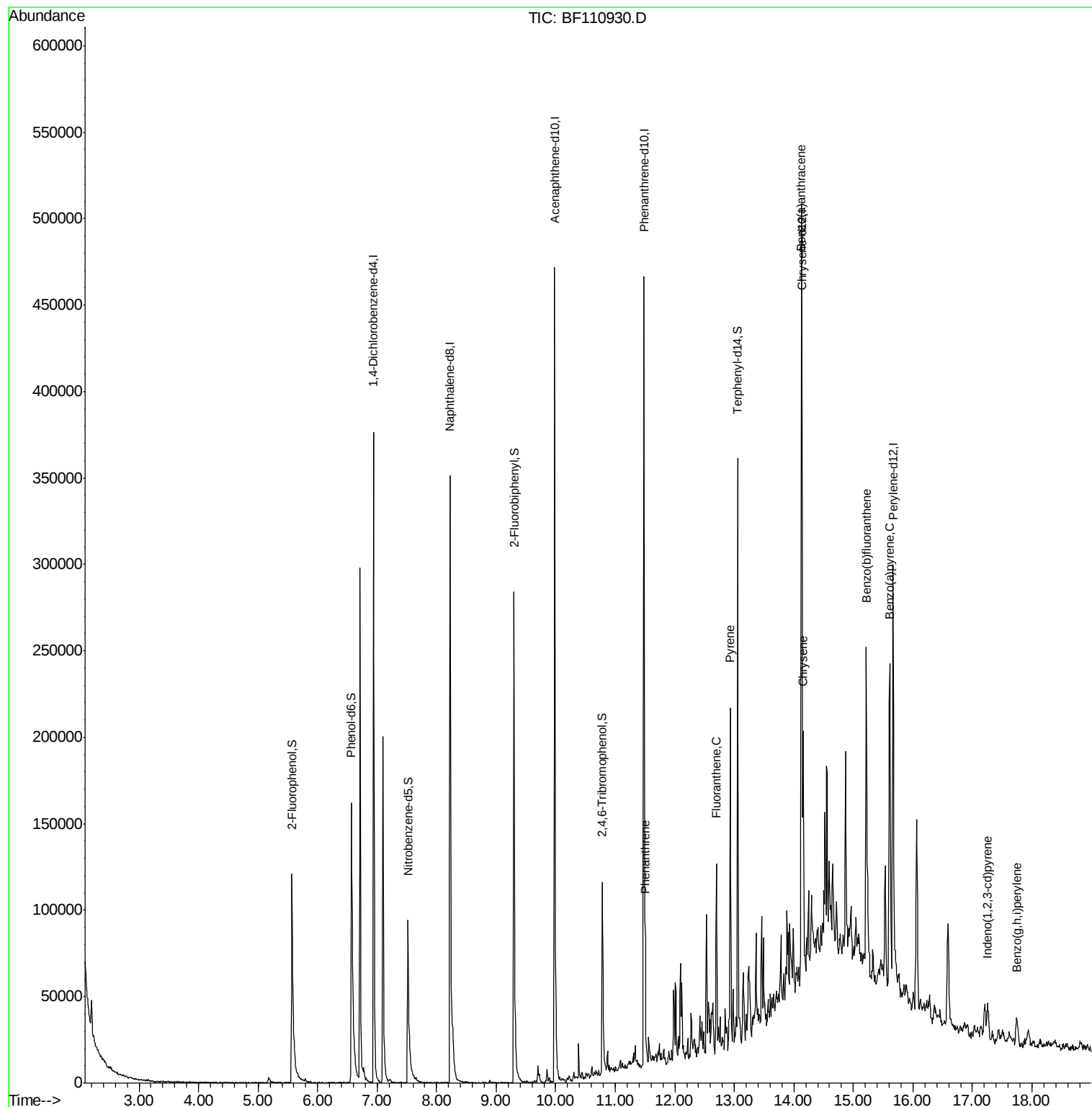
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112118\
Data File : BF110930.D
Acq On : 21 Nov 2018 16:05
Operator : JU/SJ
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#1

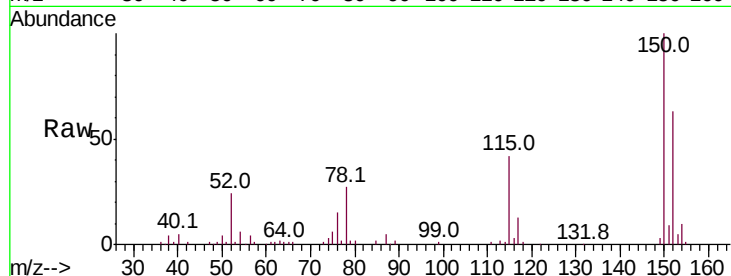
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Instrument :
BNA_F
ClientSampleId :
VW-RO-294-CON

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	122.7	184.1
115	67.3	49.1	73.7

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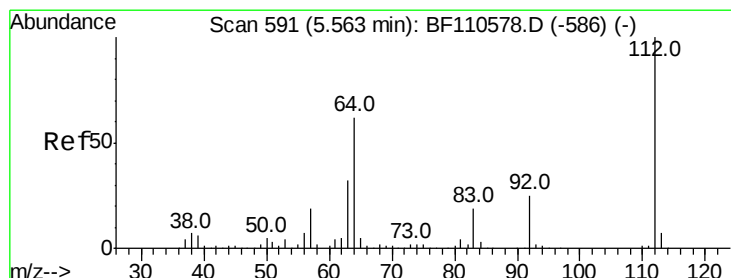
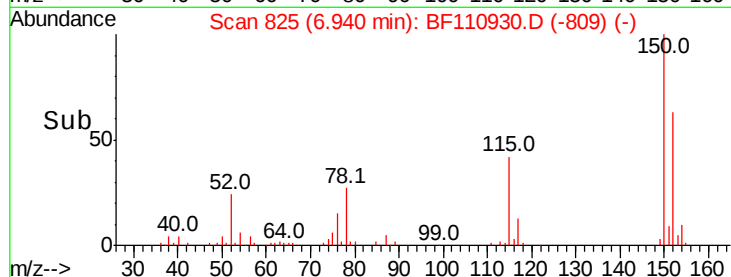
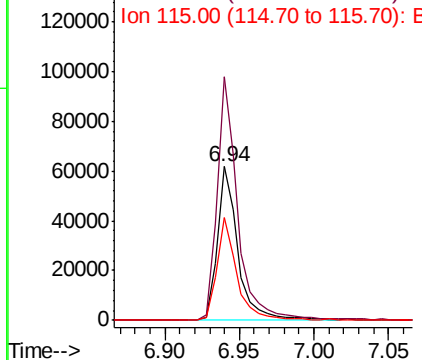


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

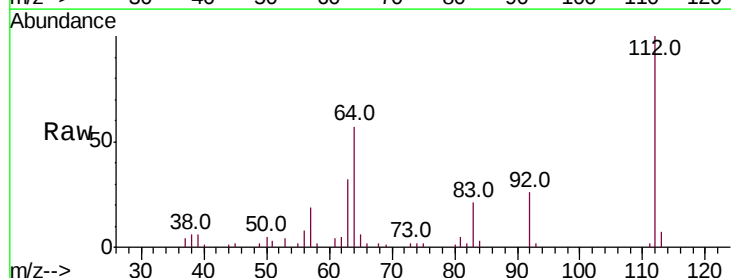
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.442 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	44.1	66.1
63	32.3	23.7	35.5

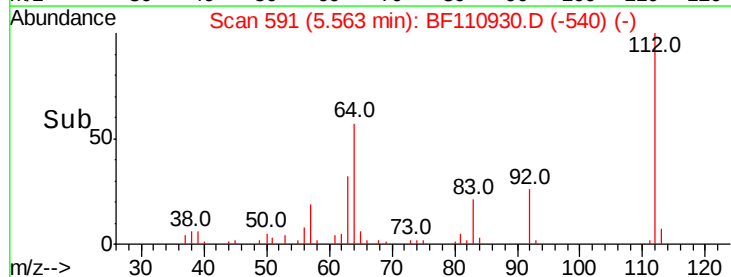
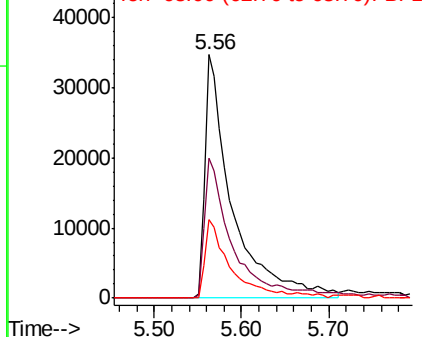


Abundance

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: 21.257 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

Instrument :

BNA_F

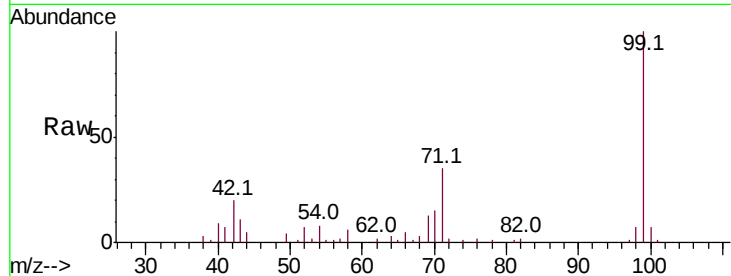
ClientSampleId :

VW-RO-294-CON

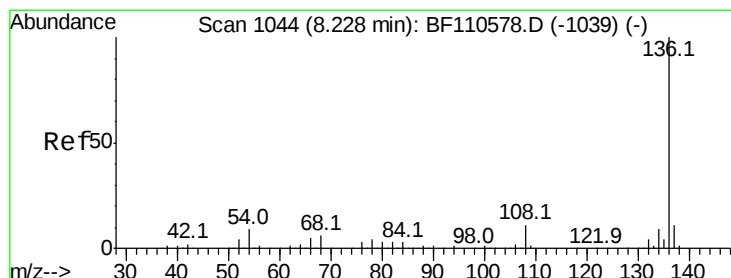
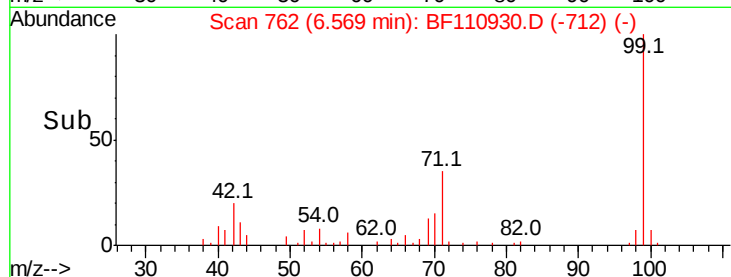
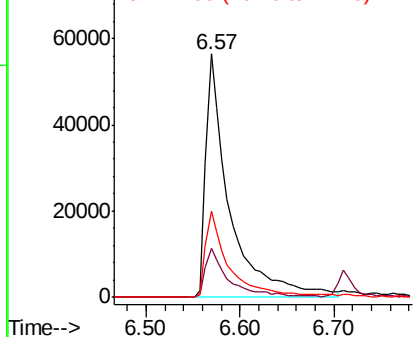
Tot Ion:	99	Resp:	99948
Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.8	23.6
71	35.4	28.0	42.0

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

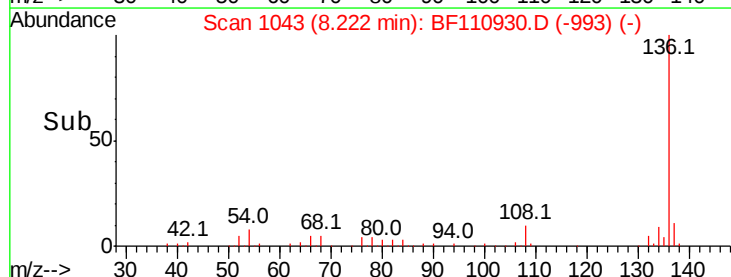
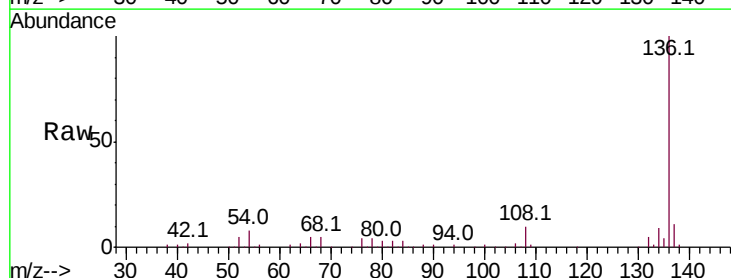
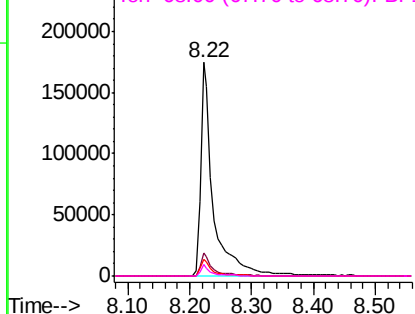
Delta R.T. -0.01 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

Tgt Ion:	136	Resp:	254498
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.1	5.4	8.2
68	5.4	4.2	6.2

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





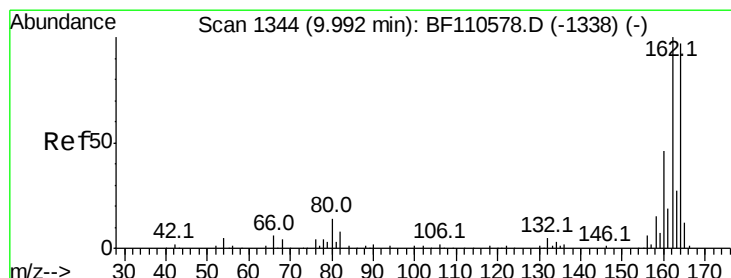
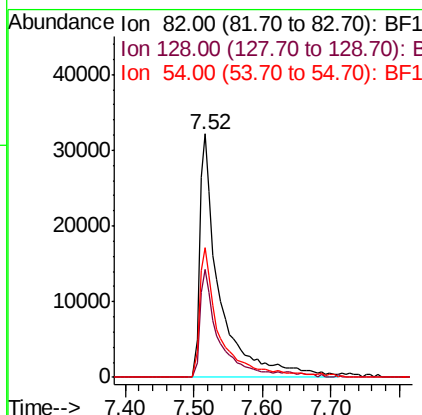
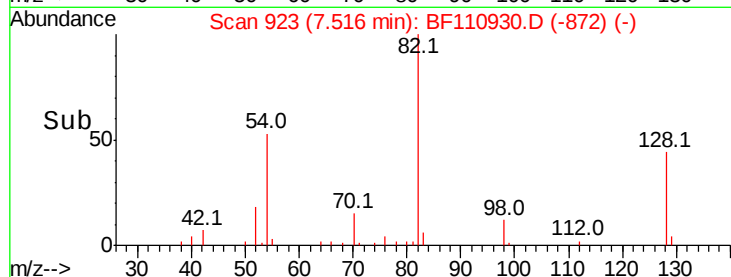
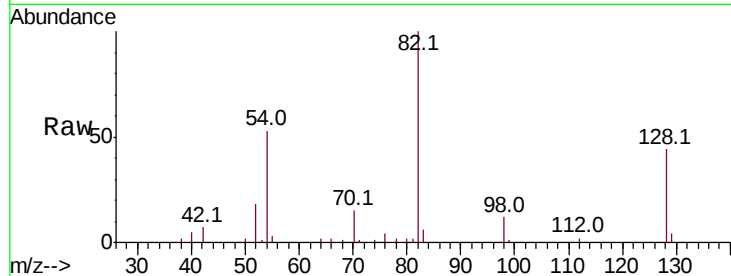
#23
 Nitrobenzene-d5
 Concen: 14.822 ng
 RT: 7.52 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: BF110930.D
 Acq: 21 Nov 2018 16:05

Instrument :
 BNA_F
 ClientSampleId :
 VW-RO-294-CON

Tot Ion	82	Resp	65500
Ion Ratio	100	Lower	Upper
82	100		
128	44.4	34.2	51.2
54	53.1	38.6	58.0

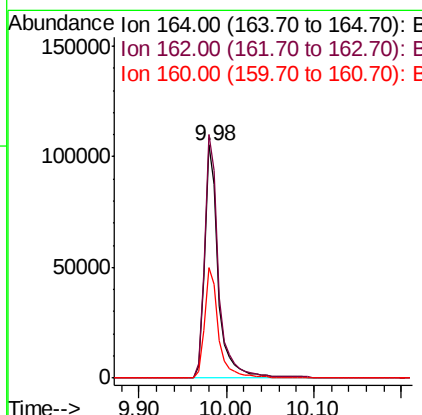
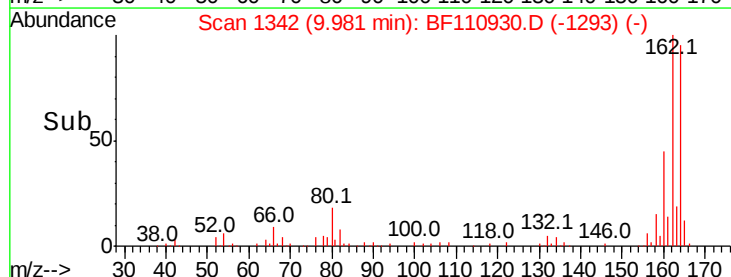
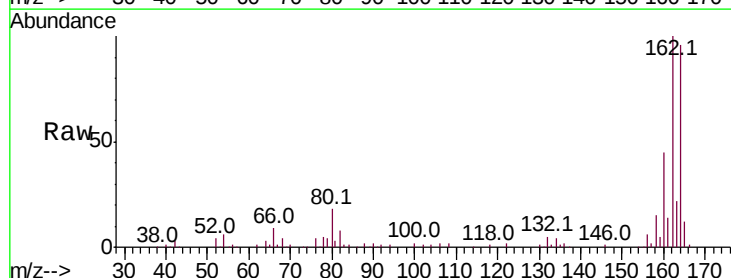
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.01 min
 Lab File: BF110930.D
 Acq: 21 Nov 2018 16:05

Tgt Ion	164	Resp	115515
Ion Ratio	100	Lower	Upper
164	100		
162	104.5	83.0	124.6
160	47.2	37.0	55.6





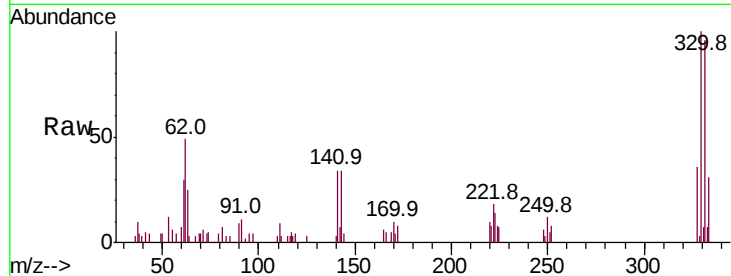
#42
 2,4,6-Tribromophenol
 Concen: 15.894 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: BF110930.D
 Acq: 21 Nov 2018 16:05

Instrument :
 BNA_F
 ClientSampleId :
 VW-RO-294-CON

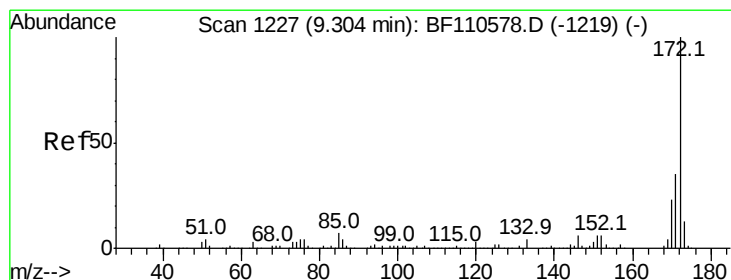
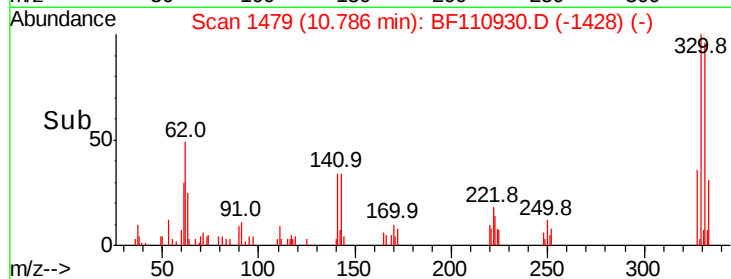
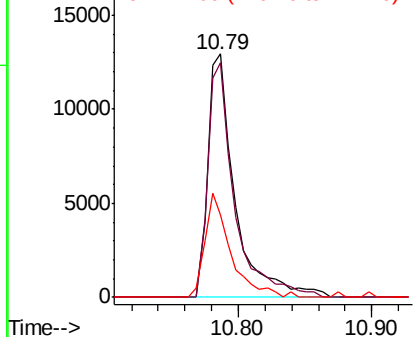
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.1	115.7
141	40.2	27.0	40.4

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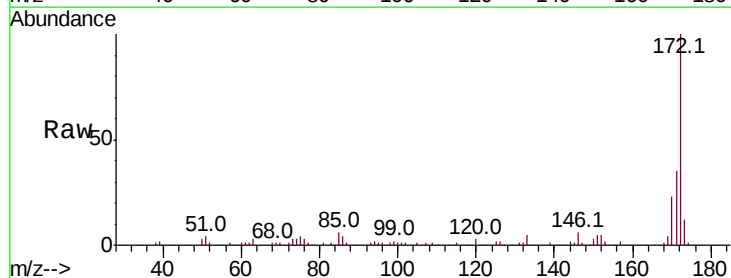


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

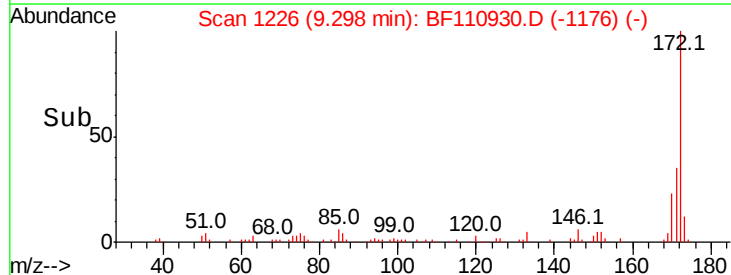
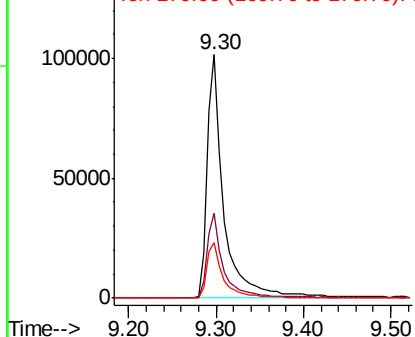


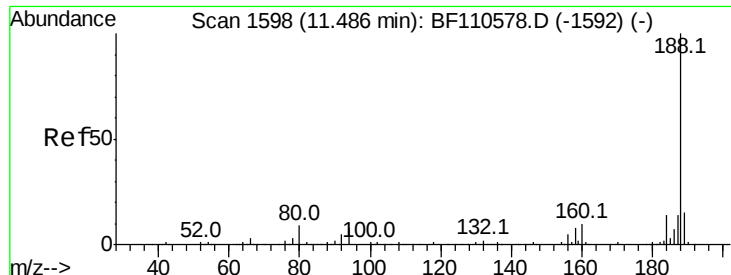
#45
 2-Fluorobiphenyl
 Concen: 16.683 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110930.D
 Acq: 21 Nov 2018 16:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	43.0
170	22.9	19.7	29.5



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





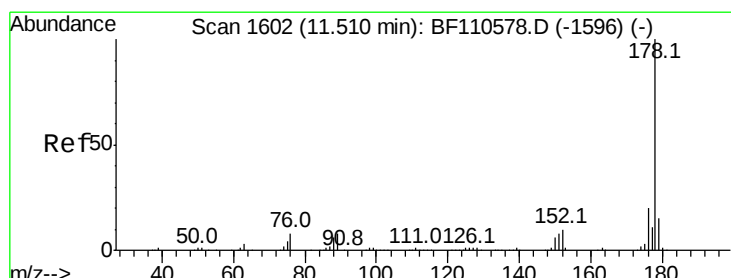
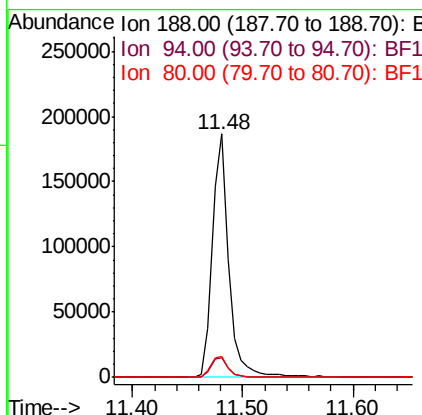
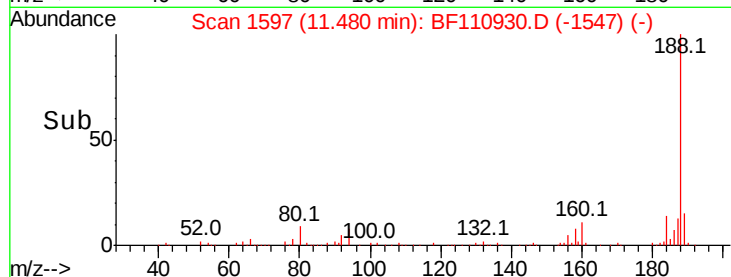
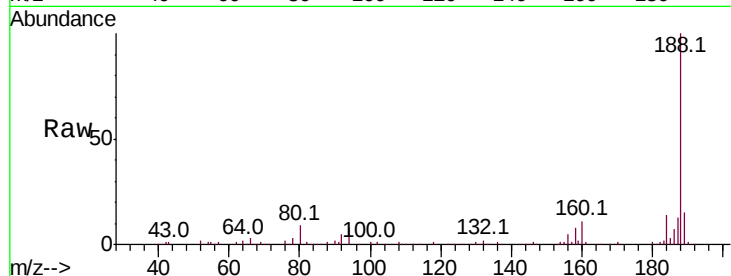
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Instrument :
BNA_F
ClientSampleId :
VW-RO-294-CON

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.8	7.2	10.8
80	8.7	7.9	11.9

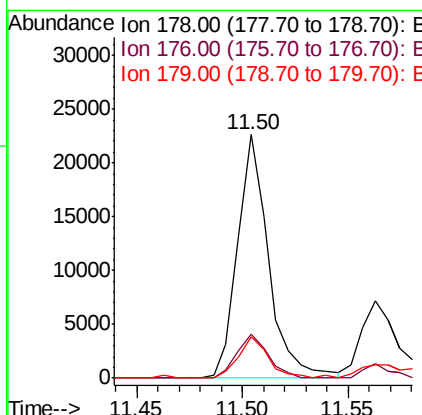
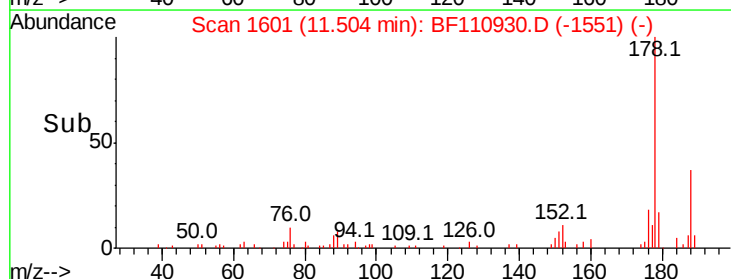
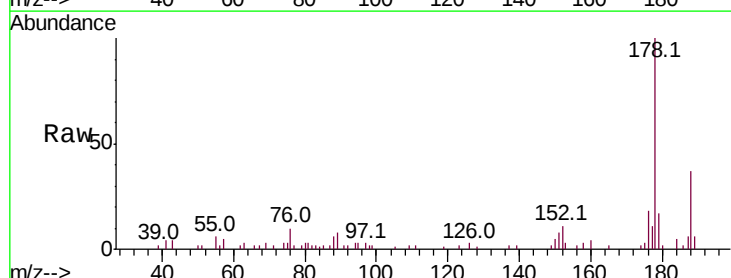
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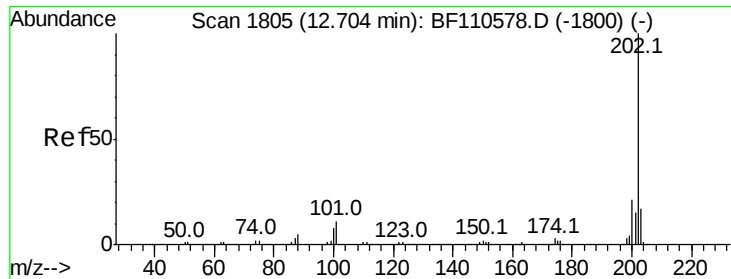
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#71
Phenanthrene
Concen: 2.261 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	17.9	15.5	23.3
179	16.9	12.5	18.7





#75

Fluoranthene

Concen: 4.069 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

Instrument :

BNA_F

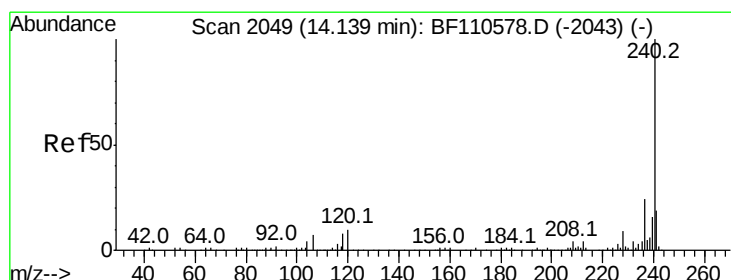
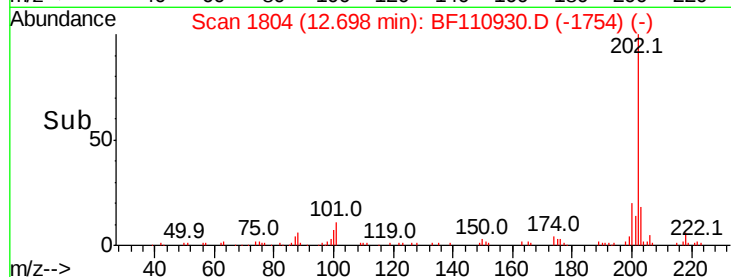
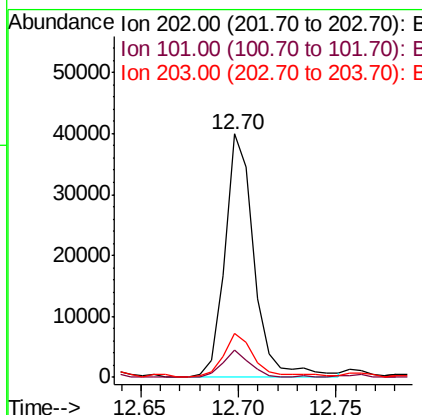
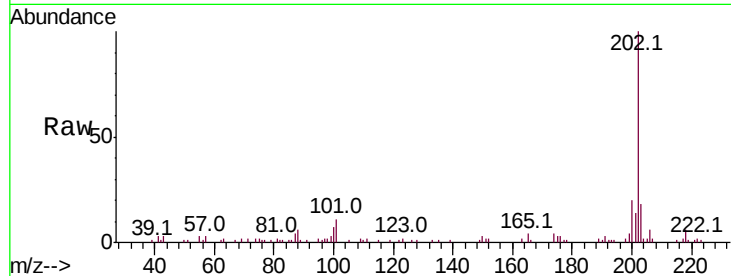
ClientSampleId :

VW-RO-294-CON

Tot Ion:	202	Resp:	41500
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	31.4
203	17.9	0.0	37.7

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#76

Chrysene-d12

Concen: 20.000 ng

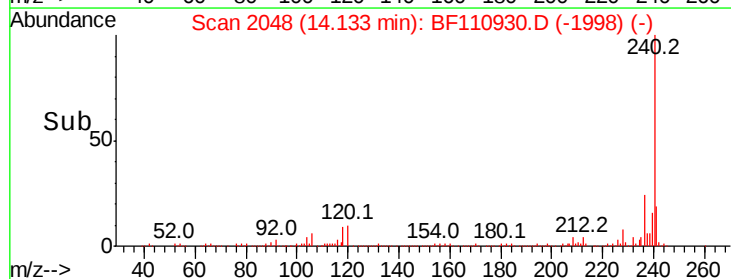
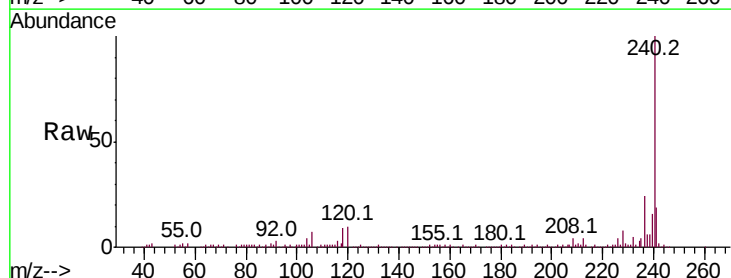
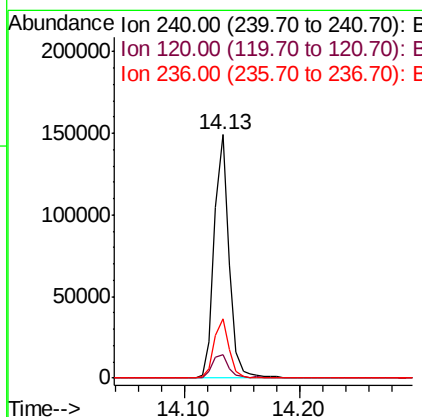
RT: 14.13 min Scan# 2048

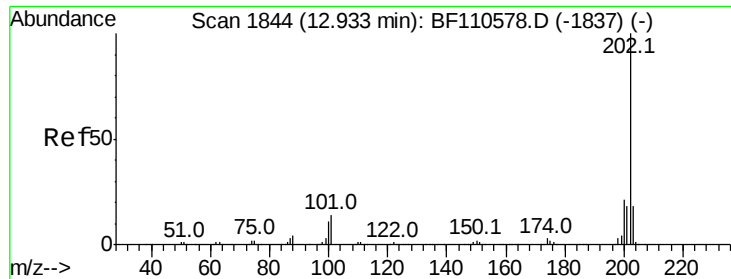
Delta R.T. -0.01 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

Tgt Ion:	240	Resp:	133372
Ion Ratio	Lower	Upper	
240	100		
120	9.8	8.3	12.5
236	24.3	21.2	31.8





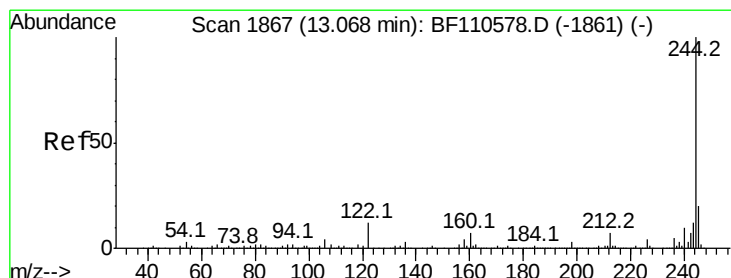
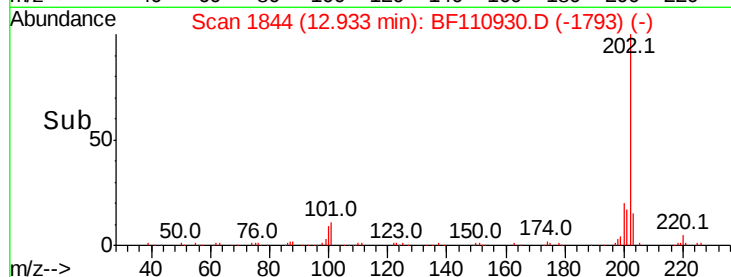
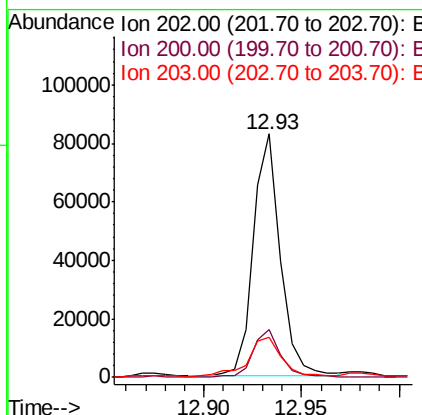
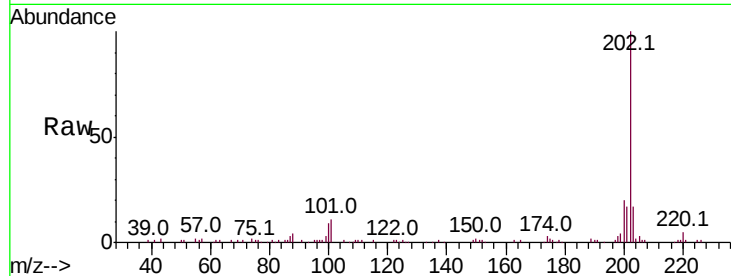
#78
Pvrene
Concen: 7.734 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Instrument :
BNA_F
ClientSampleId :
VW-RO-294-CON

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.8	26.6
203	16.5	14.2	21.4

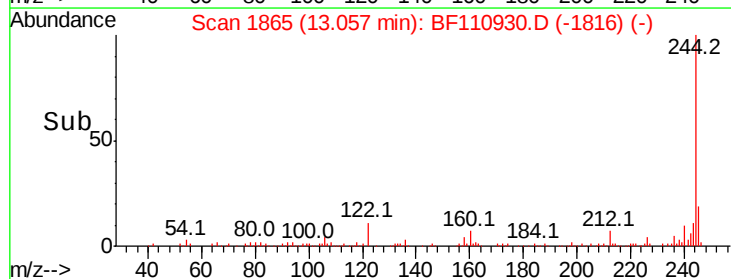
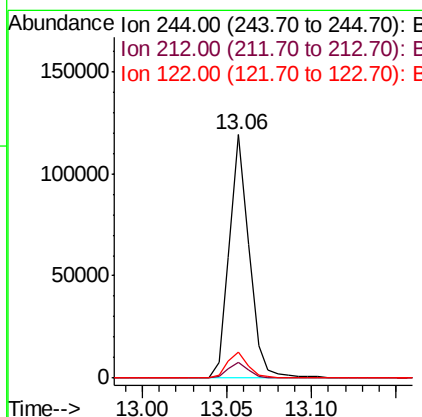
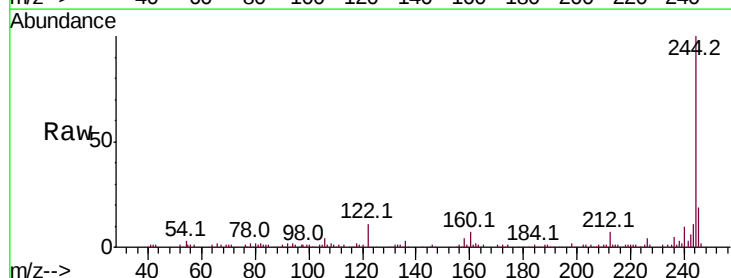
Manual Integrations
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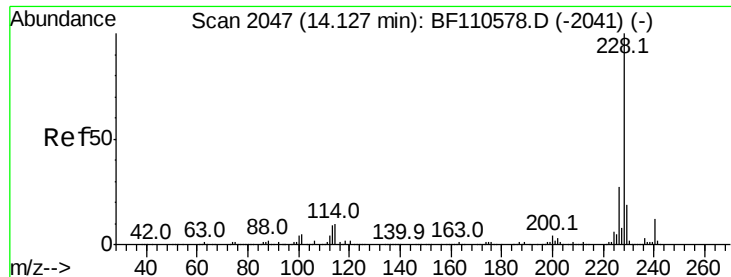
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#79
Terphenyl-d14
Concen: 13.786 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	10.8	8.7	13.1





#81

Benzo(a)anthracene

Concen: 6.618 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

Instrument :

BNA_F

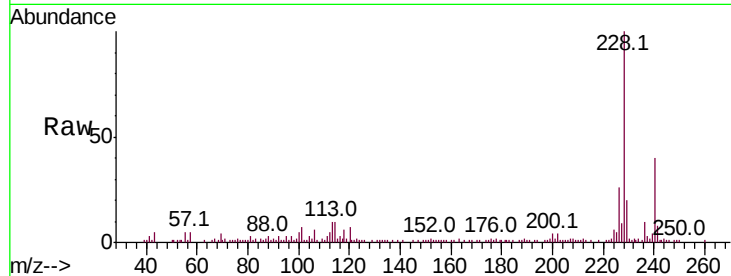
ClientSampleId :

VW-RO-294-CON

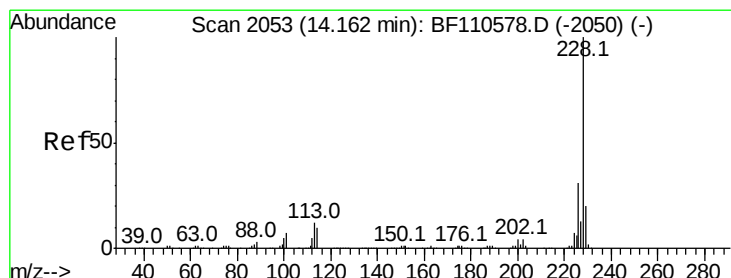
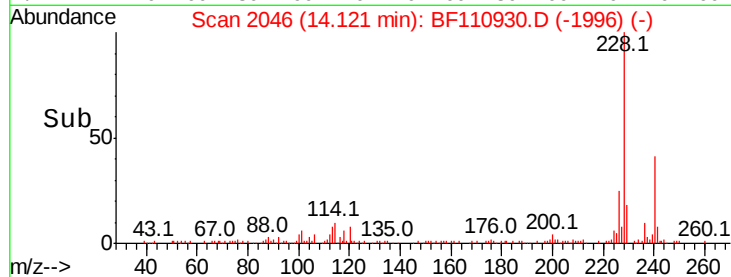
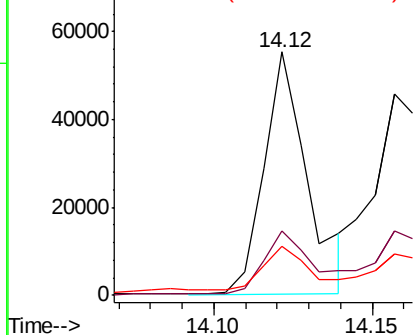
Tot Ion:	228	Resp:	52760
Ion Ratio	Lower	Upper	
228	100		
226	26.4	22.1	33.1
229	20.3	15.6	23.4

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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: 7.100 ng

RT: 14.16 min Scan# 2052

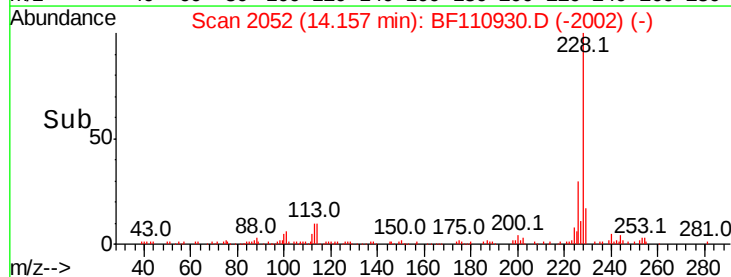
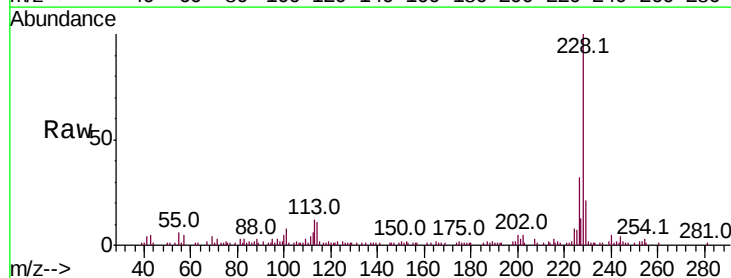
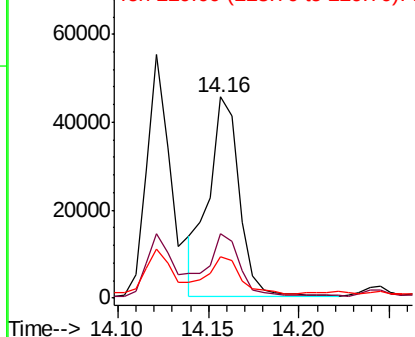
Delta R.T. -0.01 min

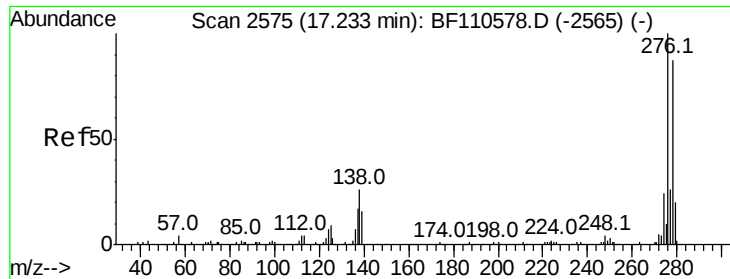
Lab File: BF110930.D

Acq: 21 Nov 2018 16:05

Tgt Ion:	228	Resp:	53922
Ion Ratio	Lower	Upper	
228	100		
226	32.2	24.7	37.1
229	20.7	15.9	23.9

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





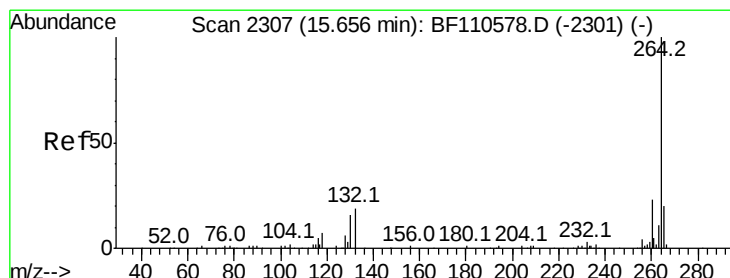
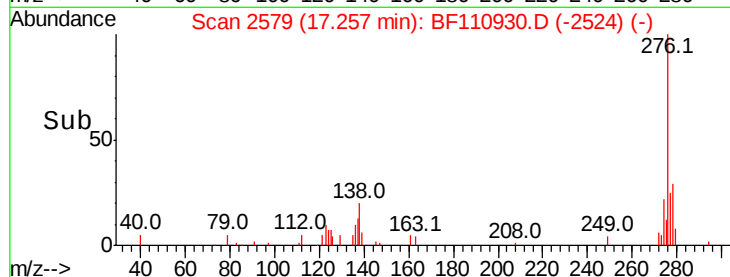
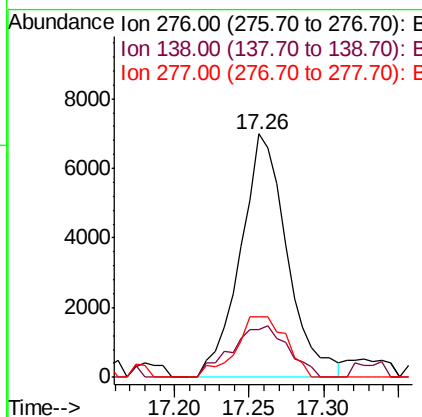
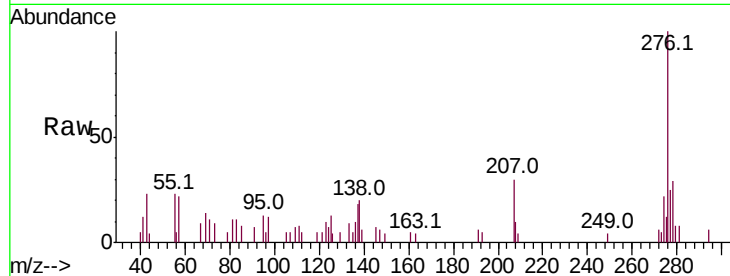
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.779 ng
RT: 17.26 min Scan# 2579
Delta R.T. 0.02 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Instrument :
BNA_F
ClientSampleId :
VW-RO-294-CON

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	18.5	27.7
277	26.9	20.0	30.0

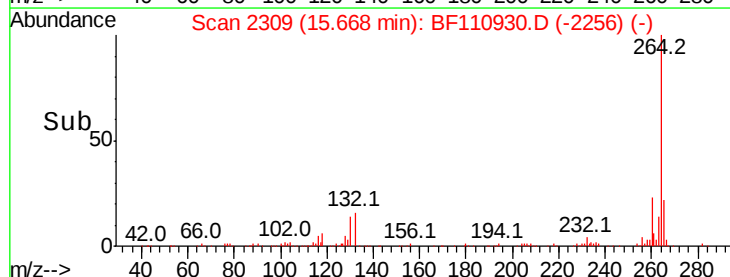
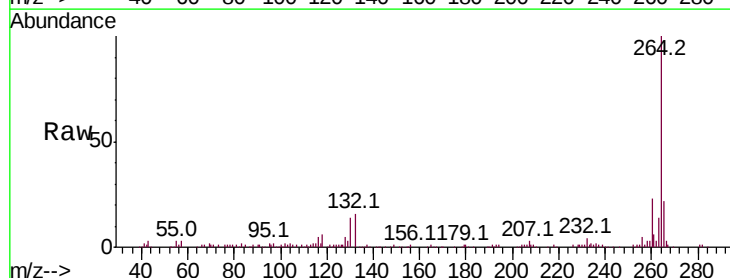
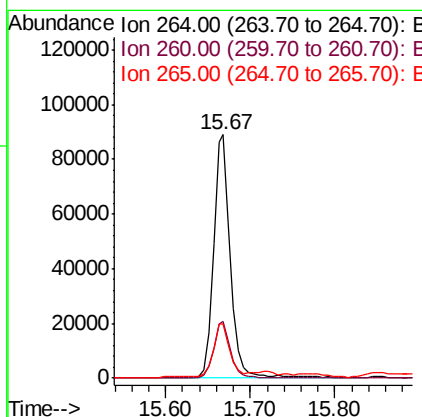
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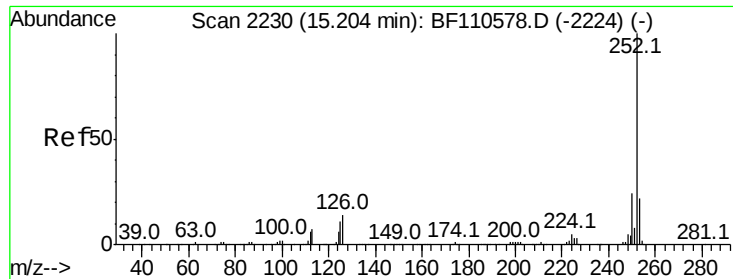
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	22.0	16.7	25.1





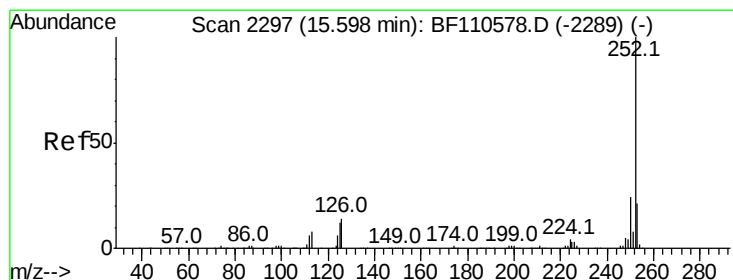
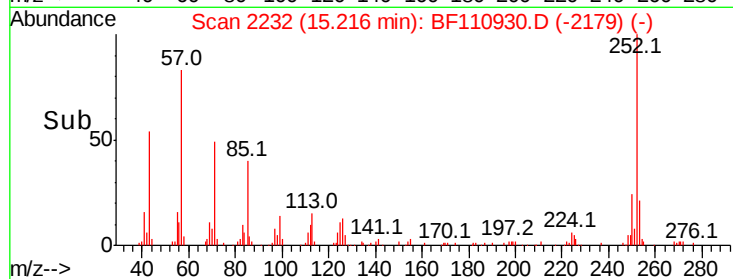
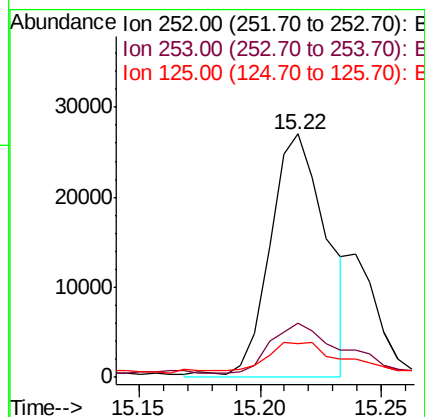
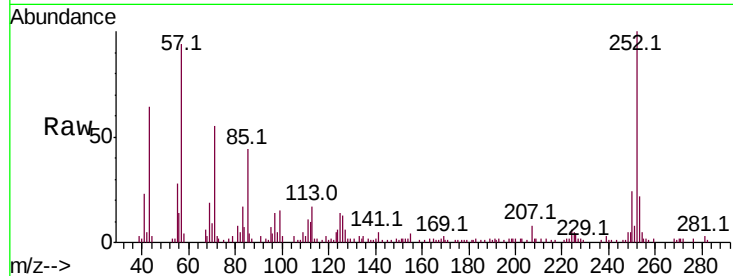
#88
Benzo(b)fluoranthene
Concen: 5.898 ng m
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Instrument :
BNA_F
ClientSampleId :
VW-RO-294-CON

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	13.9	8.2	12.4

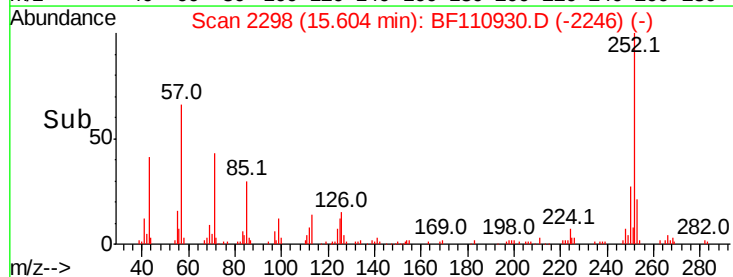
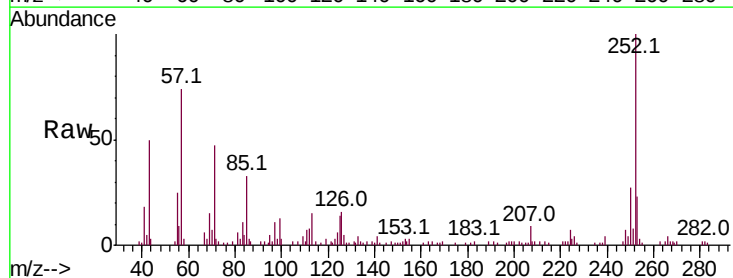
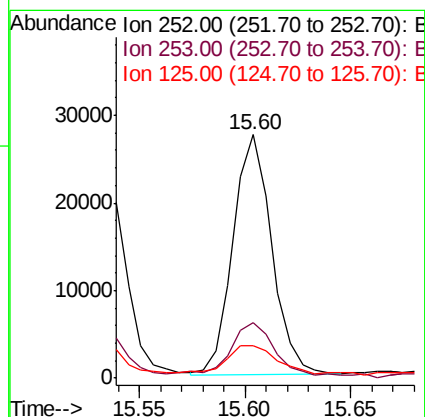
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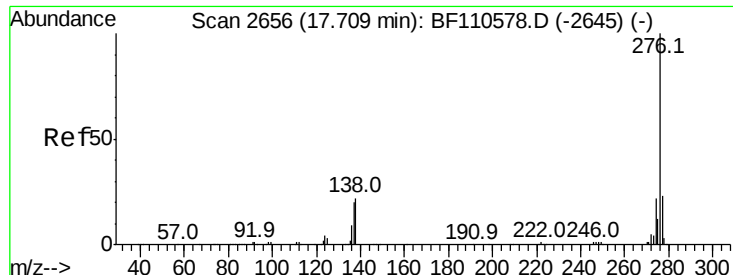
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#90
Benzo(a)pyrene
Concen: 5.102 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110930.D
Acq: 21 Nov 2018 16:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	13.5	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 2.722 ng
 RT: 17.74 min Scan# 2661
 Delta R.T. 0.03 min
 Lab File: BF110930.D
 Acq: 21 Nov 2018 16:05

Instrument :
 BNA_F
 ClientSampleId :
 VW-RO-294-CON

Tot Ion:	276	Resp:	15535
Ion Ratio	Lower	Upper	
276	100		
277	26.6	18.8	28.2
138	25.8	16.0	24.0

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