

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110277.D
 Acq On : 29 Oct 2018 22:12
 Operator : JU/SJ
 Sample : J5685-04 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-28

Manual Integrations
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 10/30/2018 3:04:17 PM

Quant Time: Oct 30 08:26:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	104869	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	427725	20.00	ng	0.00
39) Acenaphthene-d10	10.01	164	182822	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	279007	20.00	ng	0.00
76) Chrysene-d12	14.16	240	201079	20.00	ng	0.00
87) Perylene-d12	15.69	264	162474	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	175472	27.25	ng	0.00
7) Phenol-d6	6.58	99	227671	27.64	ng	-0.01
23) Nitrobenzene-d5	7.53	82	133230	18.48	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	39952	22.06	ng	0.00
45) 2-Fluorobiphenyl	9.32	172	277277	23.82	ng	0.00
79) Terphenyl-d14	13.09	244	190381	19.69	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	55786	2.830	ng	99
49) Acenaphthylene	9.87	152	88768	5.068	ng	98
50) Dimethylphthalate	9.72	163	41325	3.062	ng	100
71) Phenanthrene	11.53	178	150333	10.298	ng	100
72) Anthracene	11.58	178	57000	3.895	ng	98
75) Fluoranthene	12.72	202	233863	15.784	ng	99
78) Pyrene	12.96	202	295061	20.468	ng	97
81) Benzo(a)anthracene	14.14	228	157720m	13.227	ng	
83) Chrysene	14.18	228	156934	13.856	ng	98
86) Indeno(1,2,3-cd)pyrene	17.26	276	74792	7.960	ng	96
88) Benzo(b)fluoranthene	15.23	252	184087m	19.621	ng	
89) Benzo(k)fluoranthene	15.26	252	45816m	4.967	ng	
90) Benzo(a)pyrene	15.62	252	145254	16.825	ng	99
91) Dibenzo(a,h)anthracene	17.26	278	19837	2.663	ng	# 84
92) Benzo(a,h,i)perylene	17.73	276	86961	11.847	ng	95

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

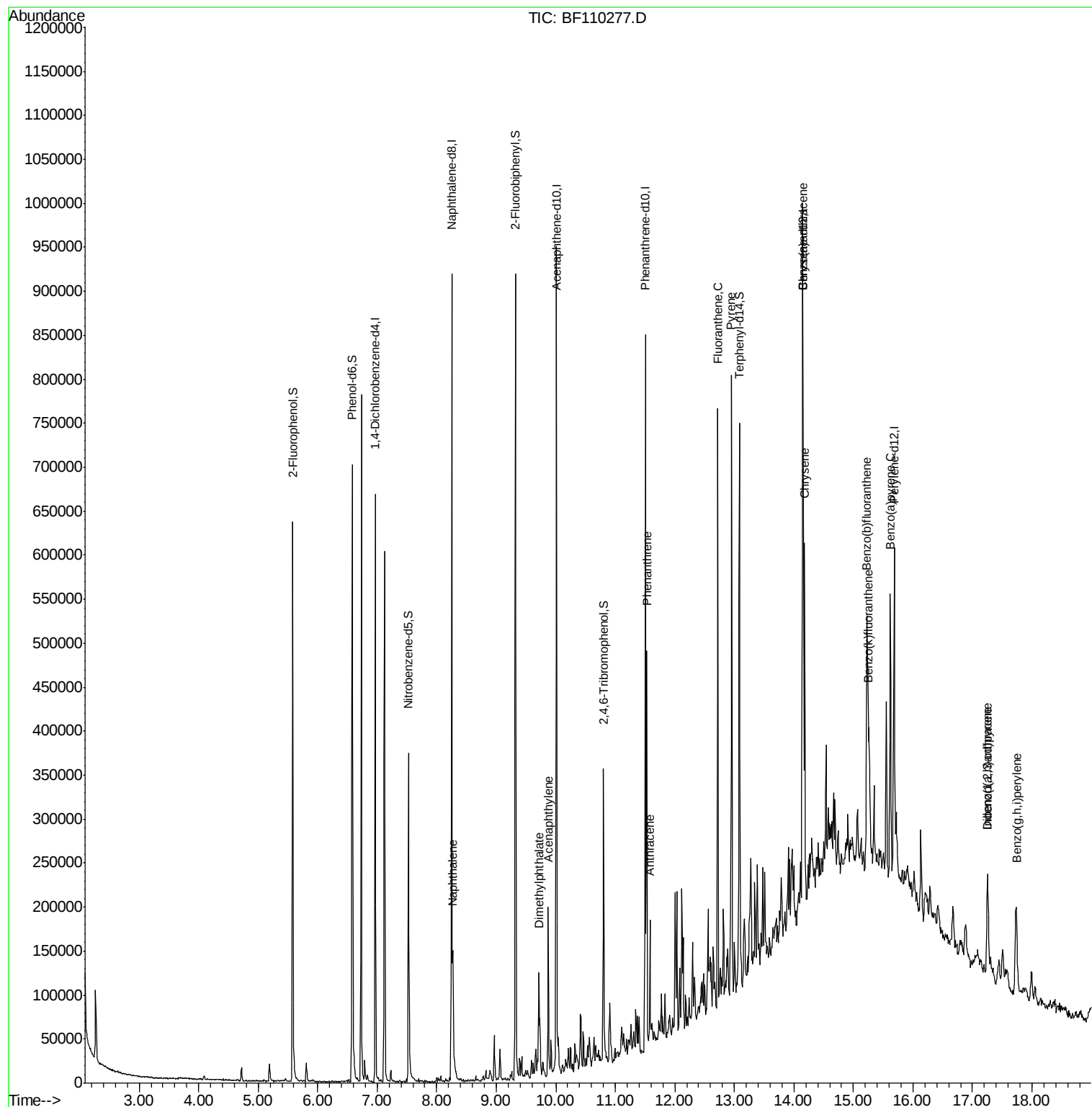
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
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ALS Vial : 27 Sample Multiplier: 1

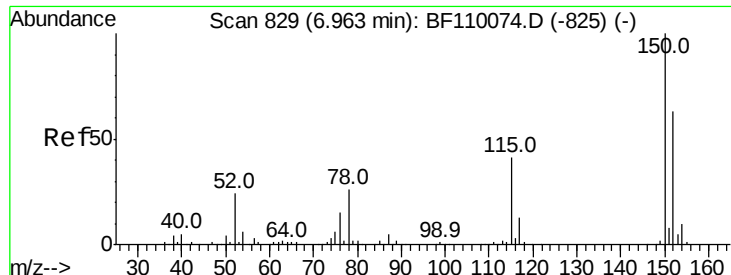
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 17:29:00 2018
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#1

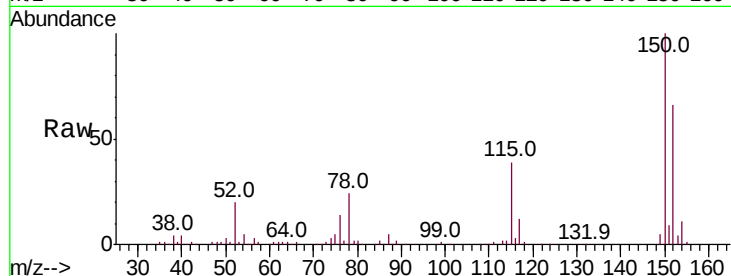
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	122.7	184.1
115	59.1	49.1	73.7

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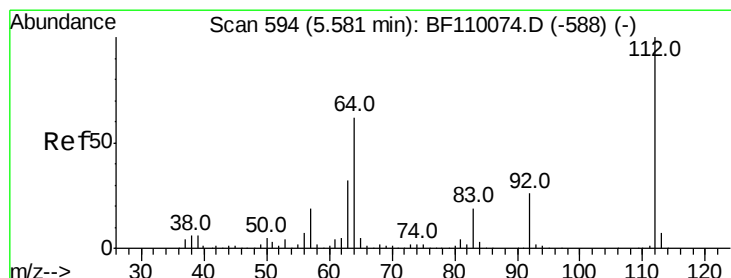
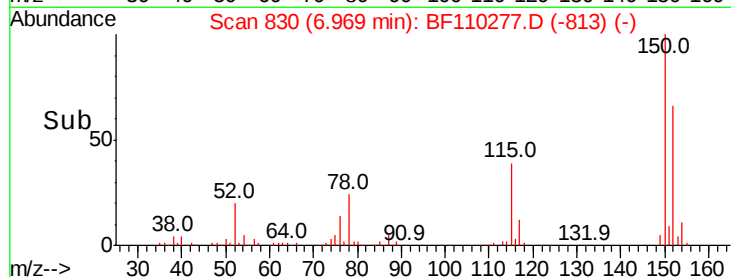
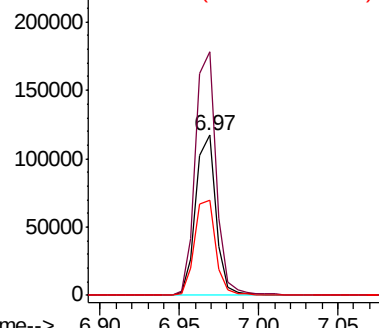


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

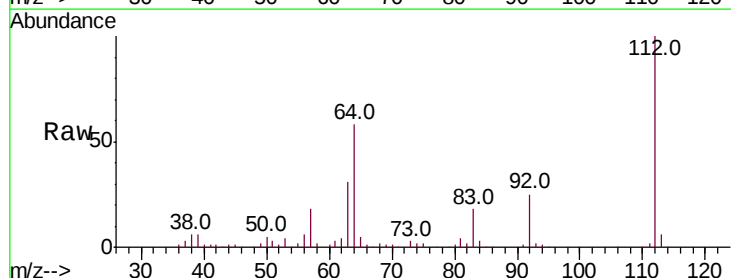
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 27.248 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	44.1	66.1
63	31.4	23.7	35.5

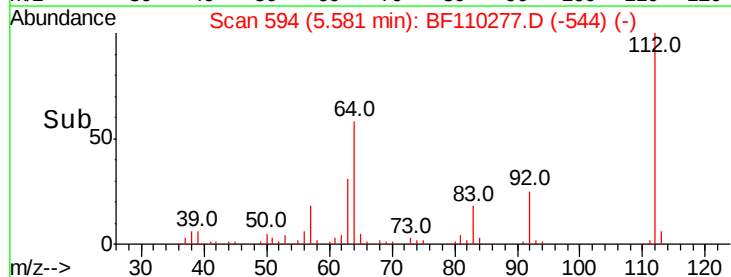
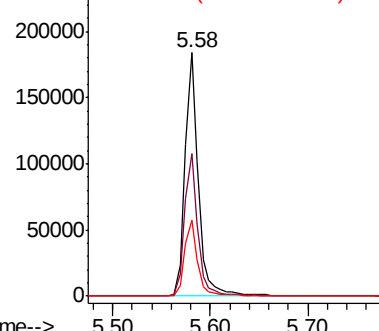


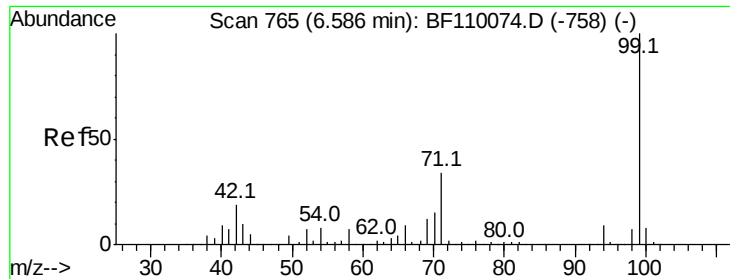
Abundance

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: 27.640 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110277.D

Acq: 29 Oct 2018 22:12

Instrument :

BNA_F

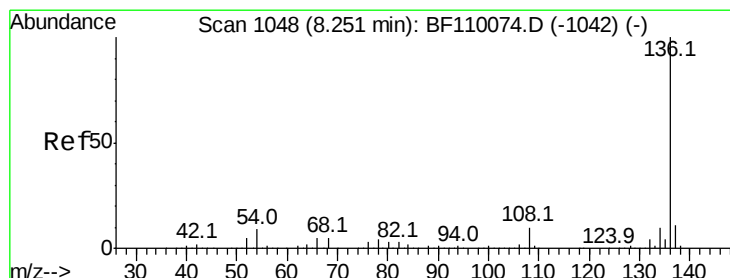
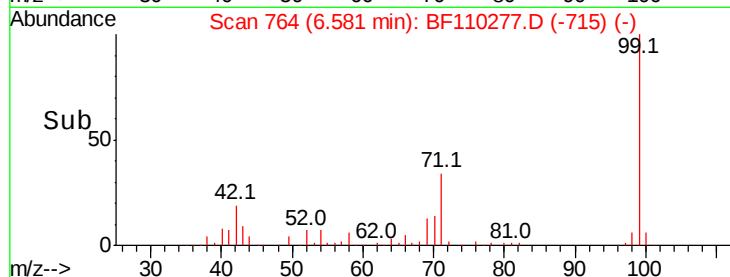
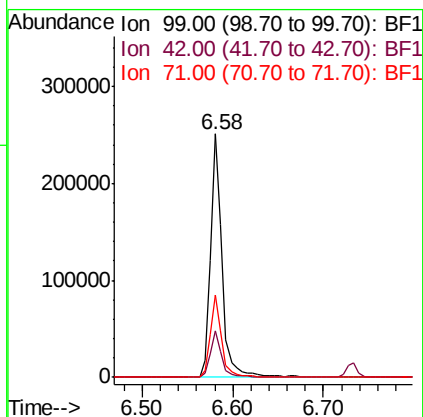
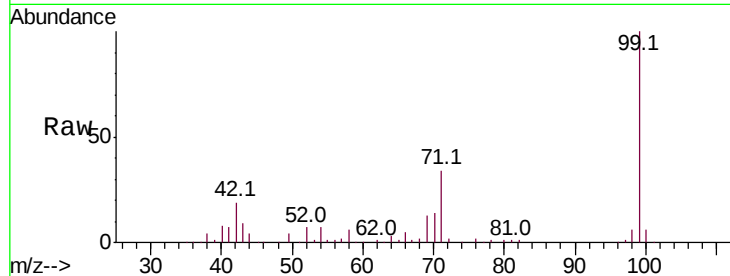
ClientSampleId :

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Tot Ion:	99	Resp:	227671
Ion Ratio	Lower	Upper	
99	100		
42	19.0	15.8	23.6
71	34.0	28.0	42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

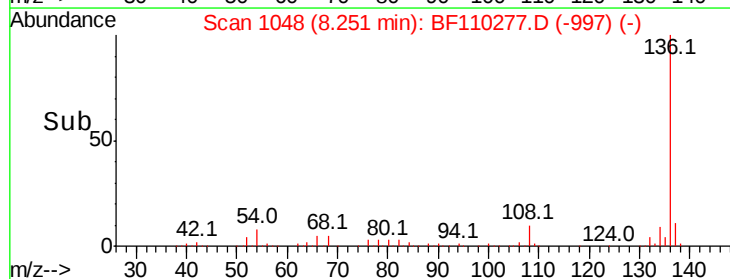
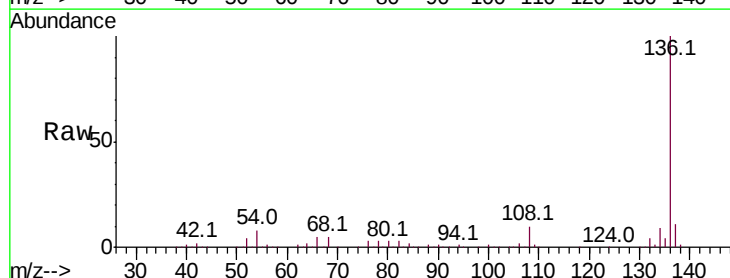
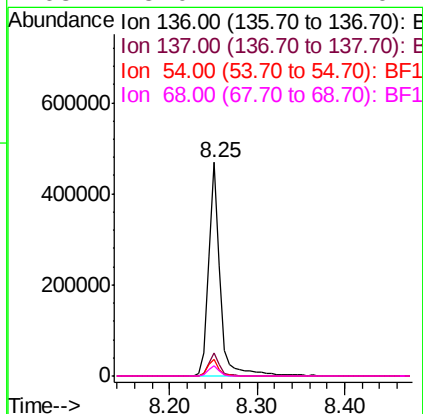
RT: 8.25 min Scan# 1048

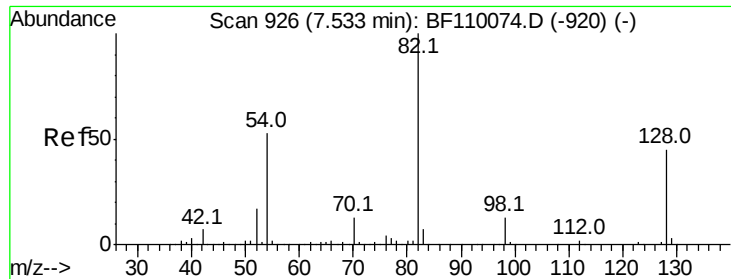
Delta R.T. 0.00 min

Lab File: BF110277.D

Acq: 29 Oct 2018 22:12

Tgt Ion:	136	Resp:	427725
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	7.5	5.4	8.2
68	5.0	4.2	6.2





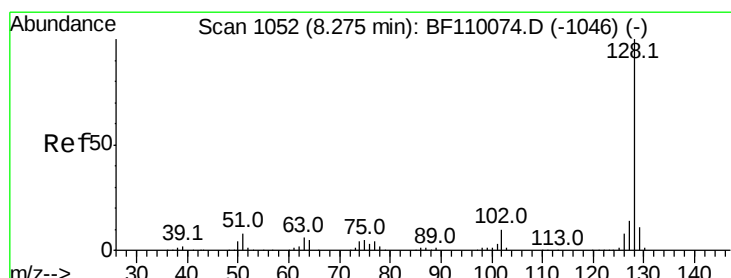
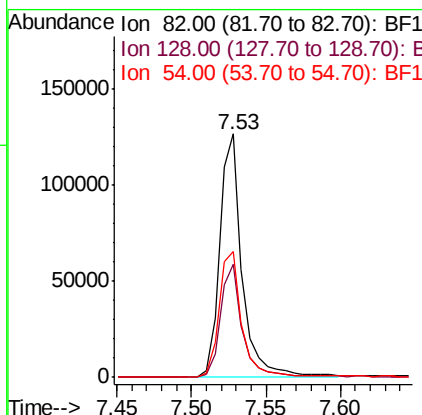
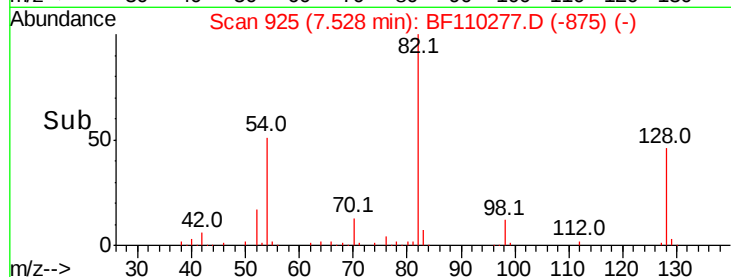
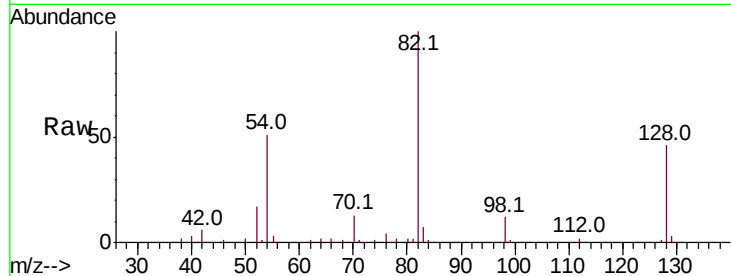
#23
Nitrobenzene-d5
Concen: 18.475 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.2	51.2
54	51.5	38.6	58.0

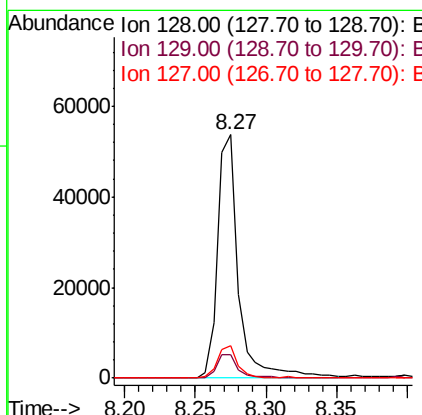
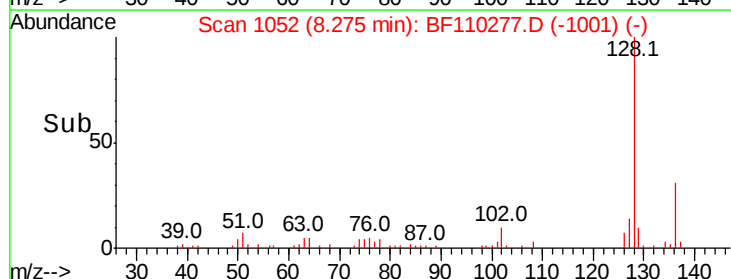
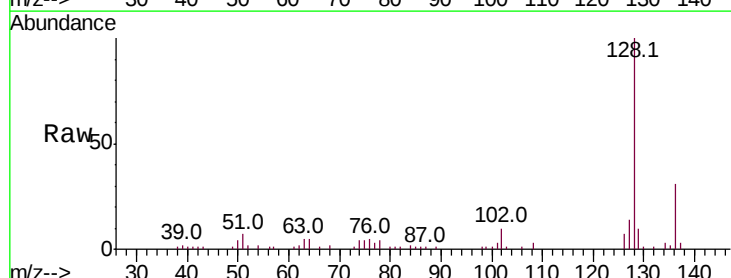
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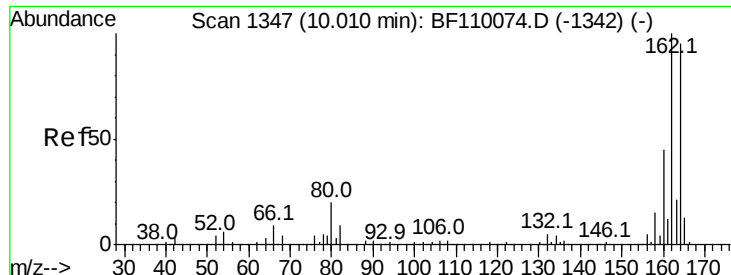
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#31
Naphthalene
Concen: 2.830 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.8	8.8	13.2
127	13.5	10.8	16.2





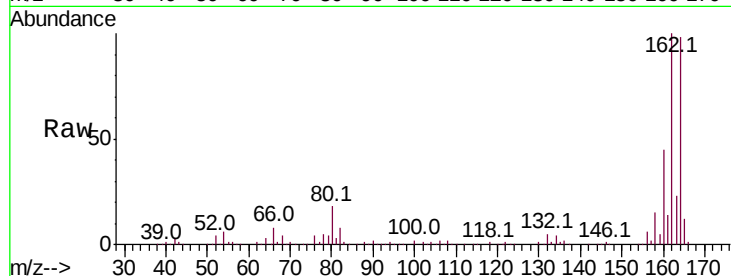
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-28

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.5	83.0	124.6	
160	46.0	37.0	55.6	

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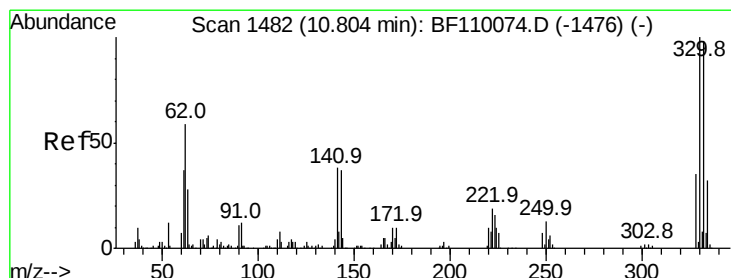
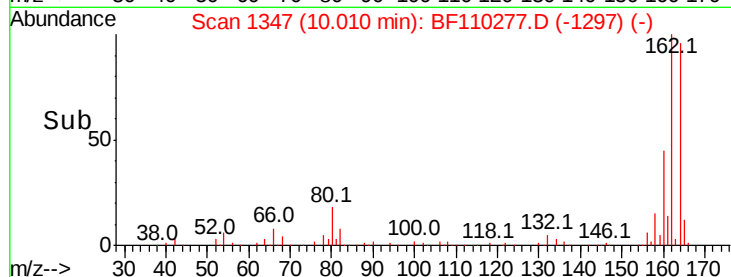
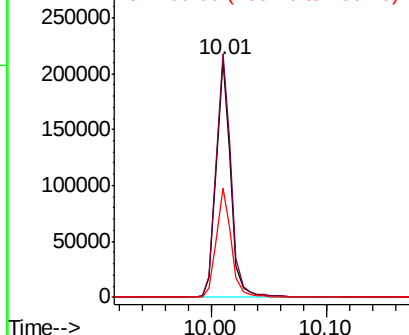


Abundance

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: 22.061 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

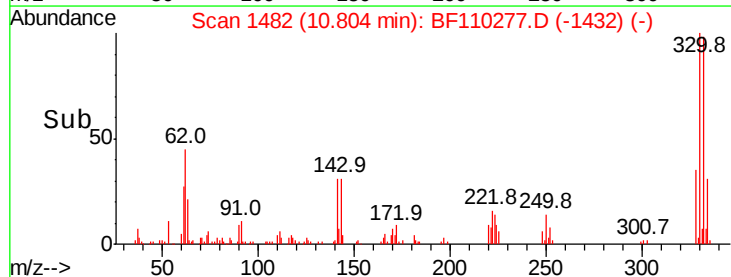
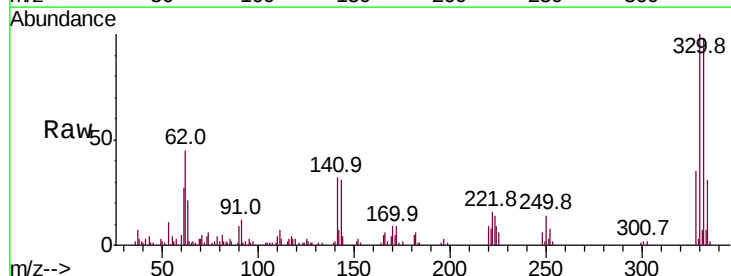
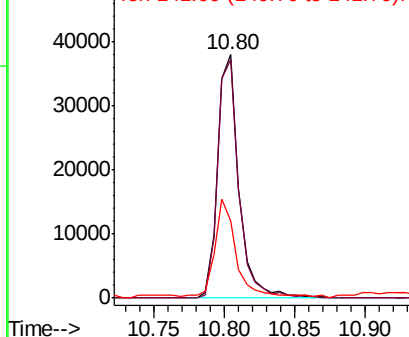
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.1	77.1	115.7	
141	41.5	27.0	40.4	

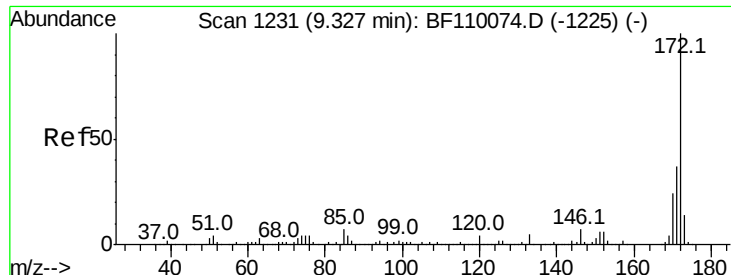
Abundance

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





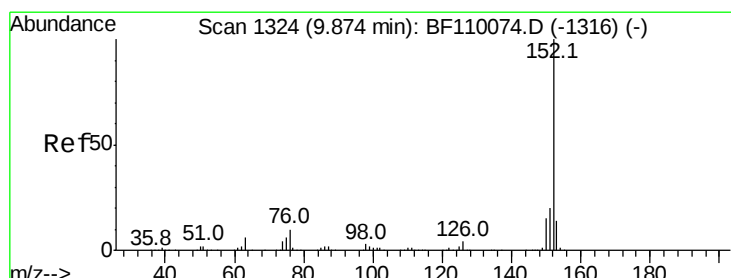
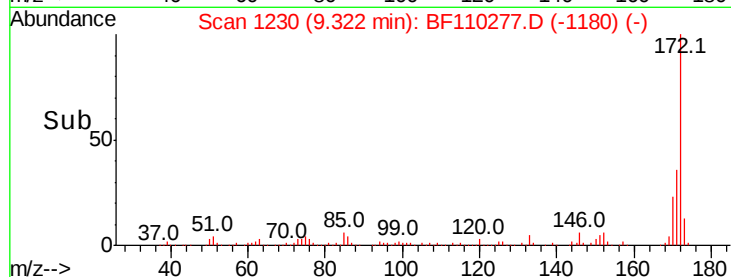
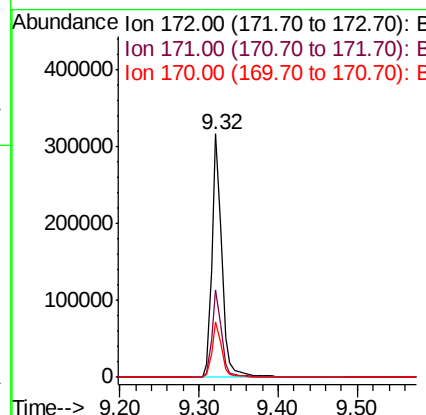
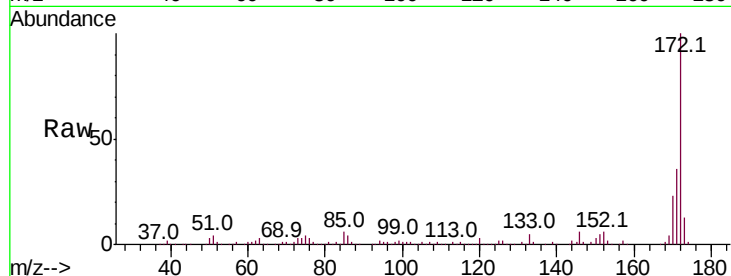
#45
2-Fluorobiphenyl
Concen: 23.815 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

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Tot Ion	Ratio	Resp	Lower	Upper
172	100	277277		
171	35.7		28.6	43.0
170	23.0		19.7	29.5

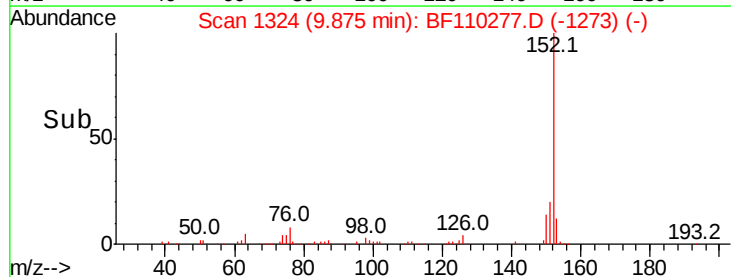
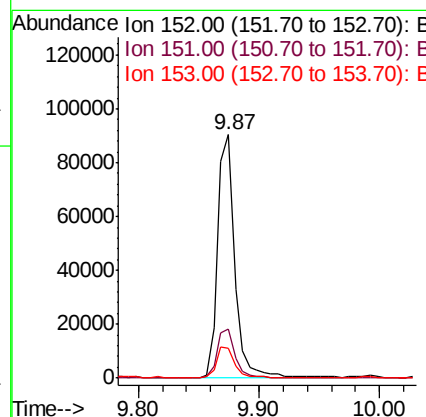
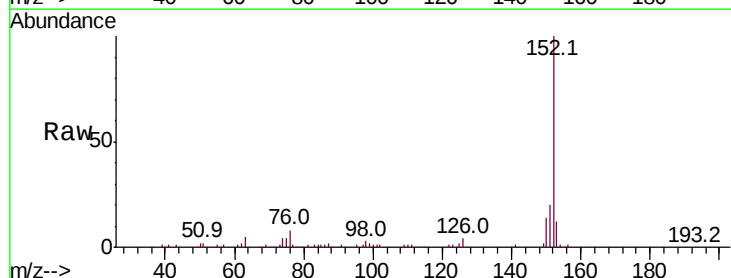
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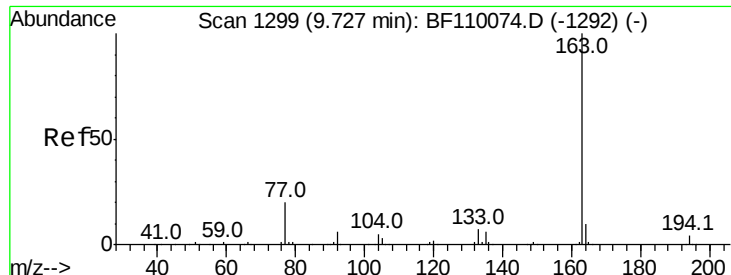
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#49
Acenaphthylene
Concen: 5.068 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	88768		
151	20.2		15.8	23.8
153	12.1		10.4	15.6





#50

Dimethylphthalate

Concen: 3.062 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF110277.D

Acq: 29 Oct 2018 22:12

Instrument :

BNA_F

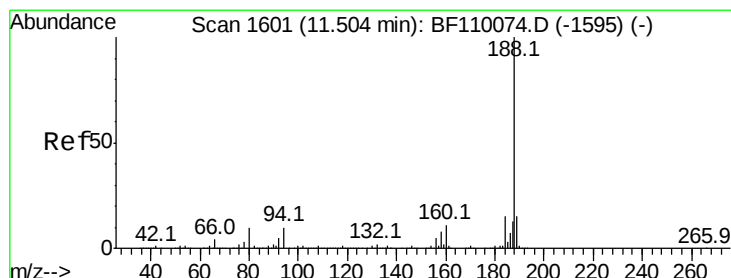
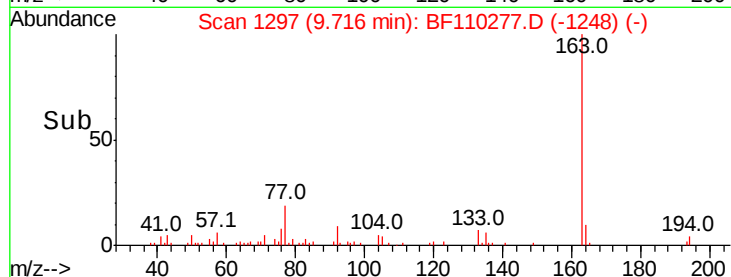
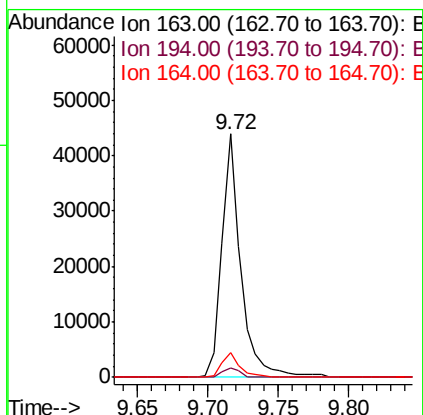
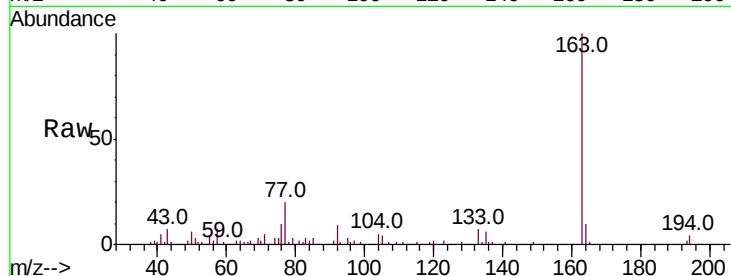
ClientSampleId :

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Tot Ion:	163	Resp:	41325
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.2	4.8
164	10.1	8.1	12.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

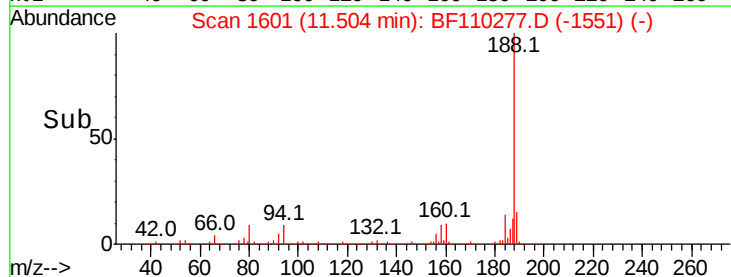
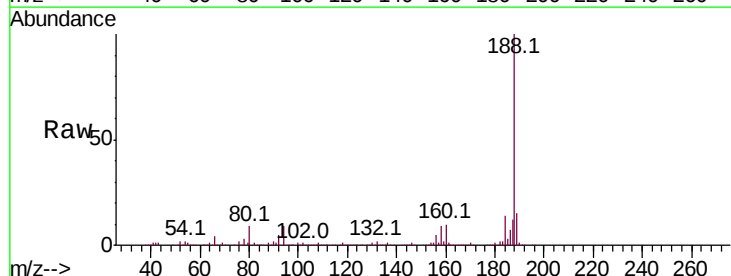
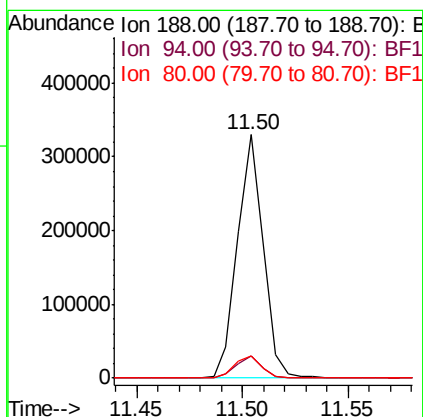
RT: 11.50 min Scan# 1601

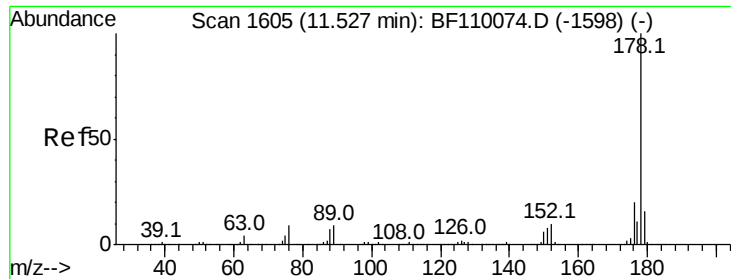
Delta R.T. -0.01 min

Lab File: BF110277.D

Acq: 29 Oct 2018 22:12

Tgt Ion:	188	Resp:	279007
Ion Ratio	Lower	Upper	
188	100		
94	9.2	7.2	10.8
80	8.9	7.9	11.9





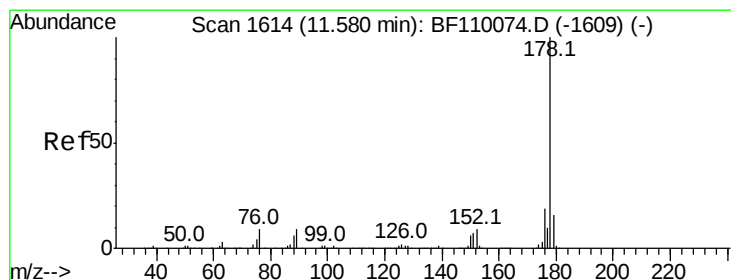
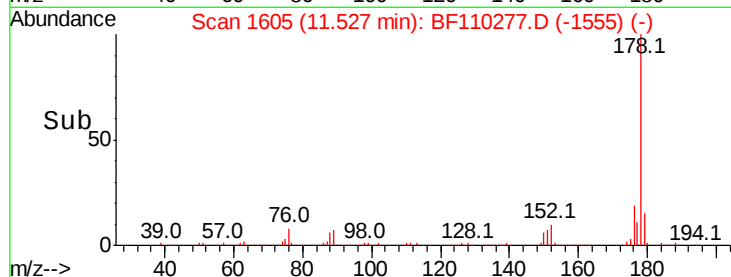
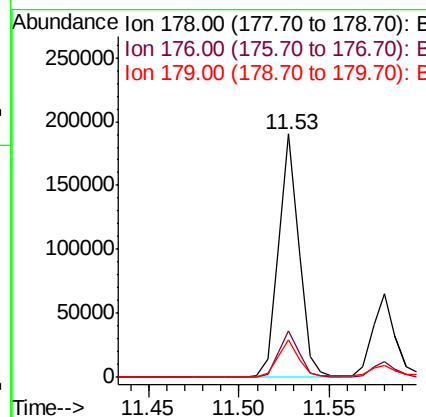
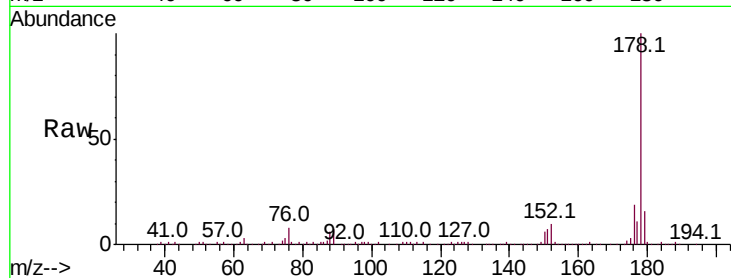
#71
Phenanthrene
Concen: 10.298 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.6	12.5	18.7

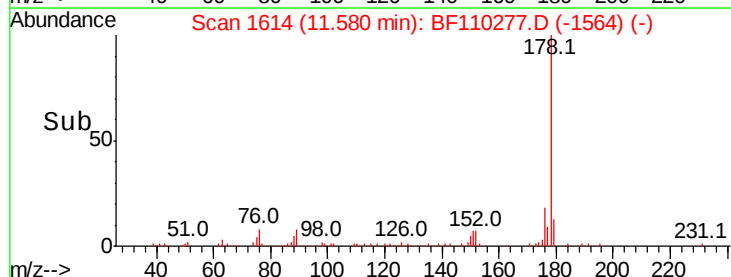
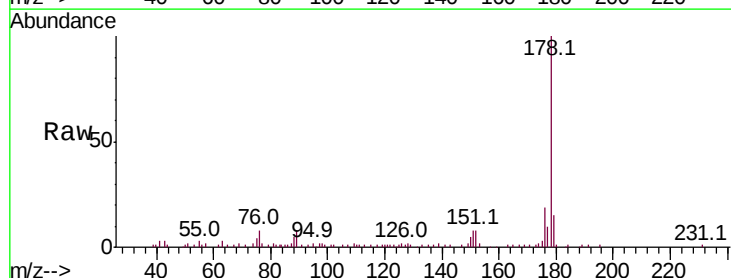
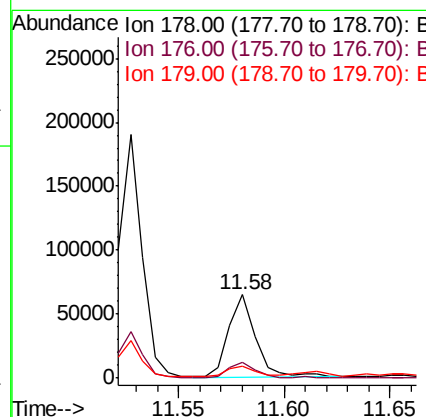
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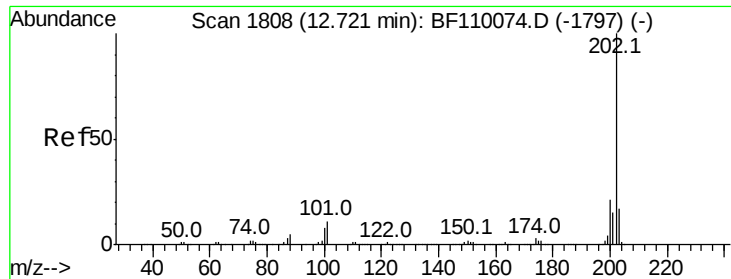
Sohil
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#72
Anthracene
Concen: 3.895 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	14.6	12.6	18.8





#75

Fluoranthene

Concen: 15.784 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110277.D

Acq: 29 Oct 2018 22:12

Instrument :

BNA_F

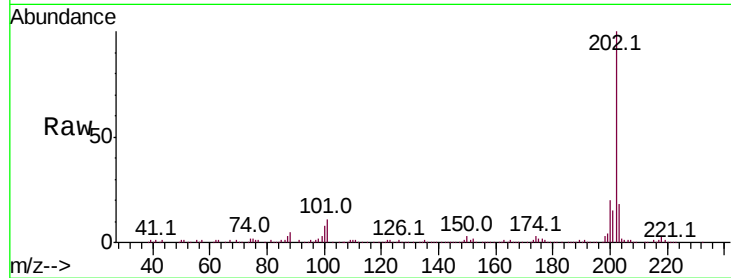
ClientSampleId :

DOCUMENTATION-28

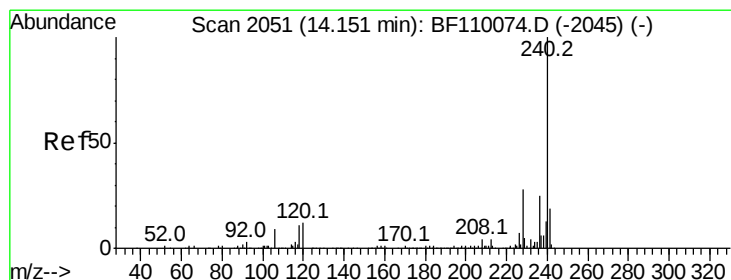
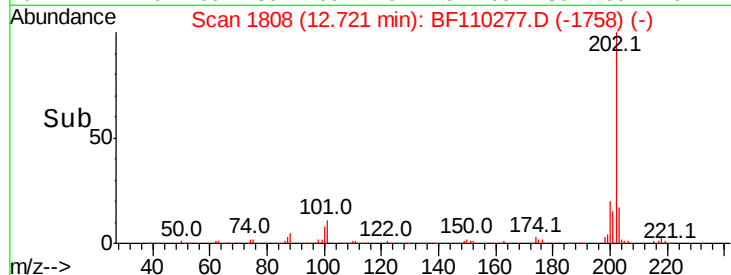
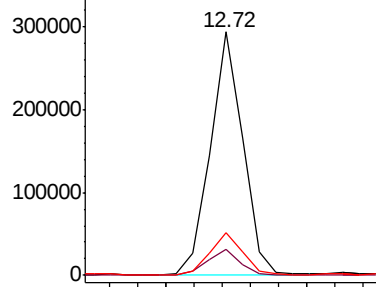
Tot Ion	Ratio	Resp	Lower	Upper
202	100	233863		
101	10.7	0.0	31.4	
203	17.5	0.0	37.7	

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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: 14.16 min Scan# 2052

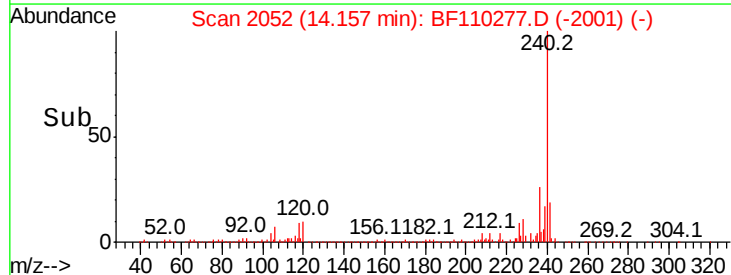
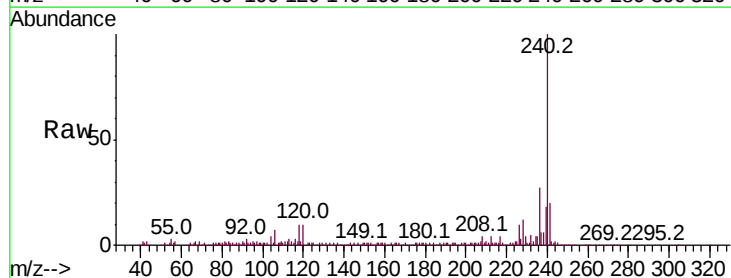
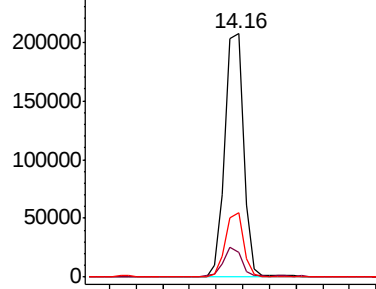
Delta R.T. 0.00 min

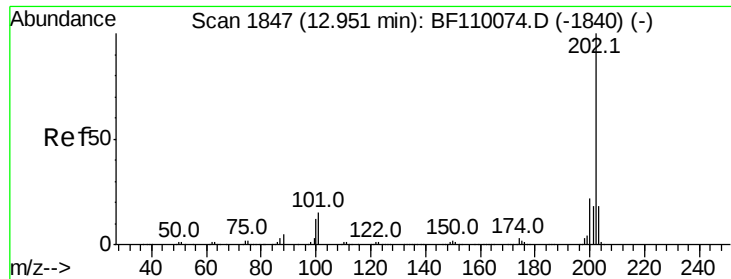
Lab File: BF110277.D

Acq: 29 Oct 2018 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	201079		
120	9.9	8.3	12.5	
236	26.6	21.2	31.8	

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





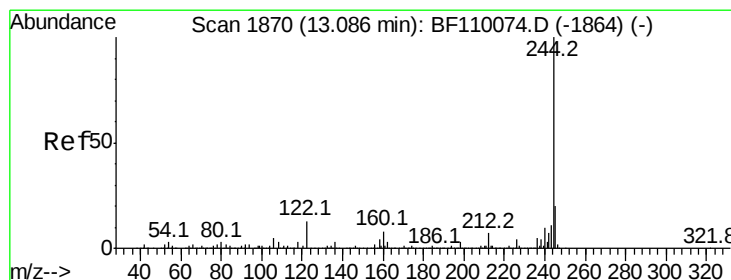
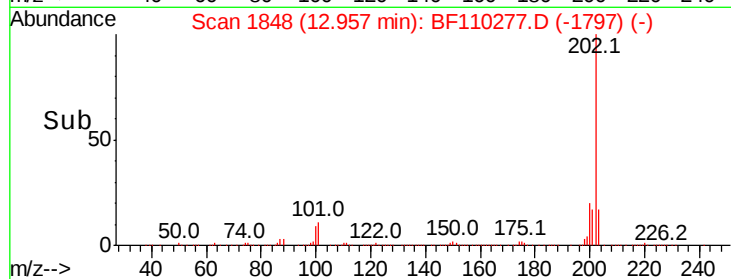
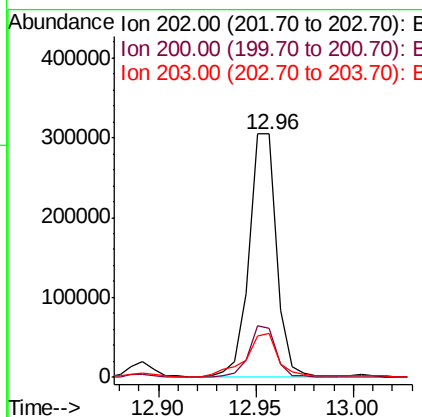
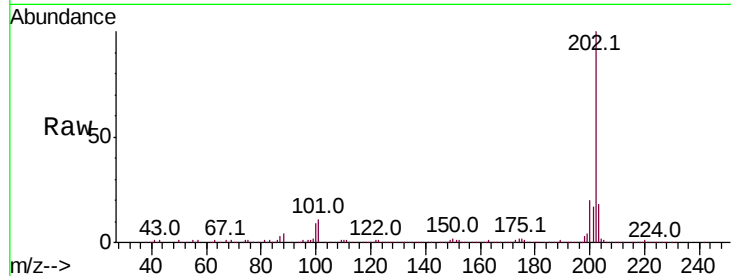
#78
Pvrene
Concen: 20.468 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-28

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.3	17.8	26.6
203	18.1	14.2	21.4

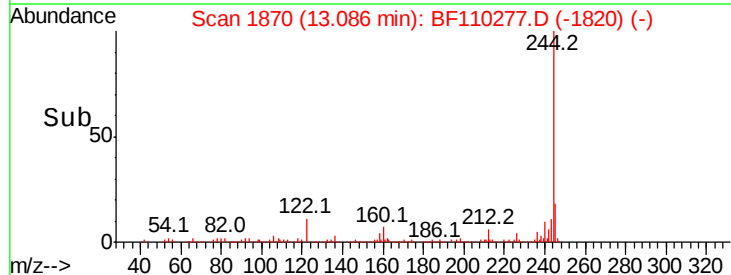
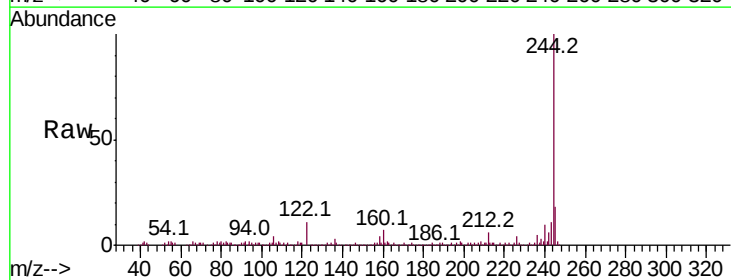
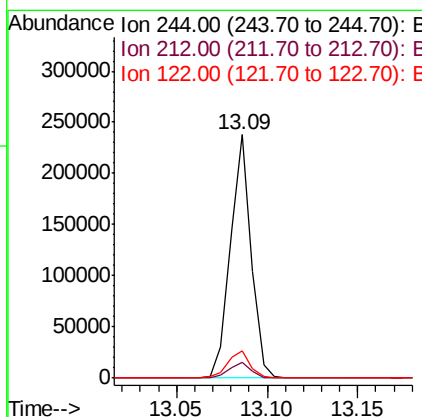
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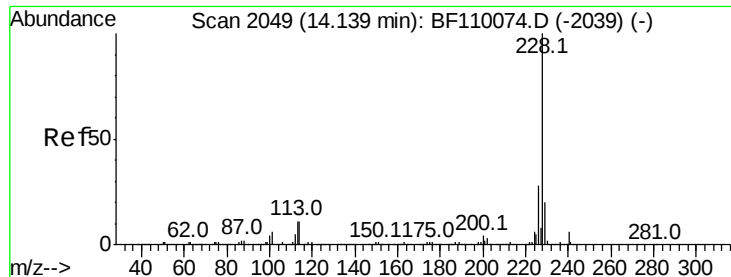
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#79
Terphenyl-d14
Concen: 19.691 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	5.8	8.8
122	11.2	8.7	13.1





#81

Benzo(a)anthracene

Concen: 13.227 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF110277.D

Acq: 29 Oct 2018 22:12

Instrument :

BNA_F

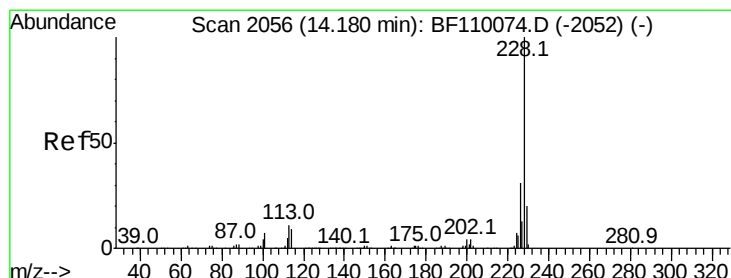
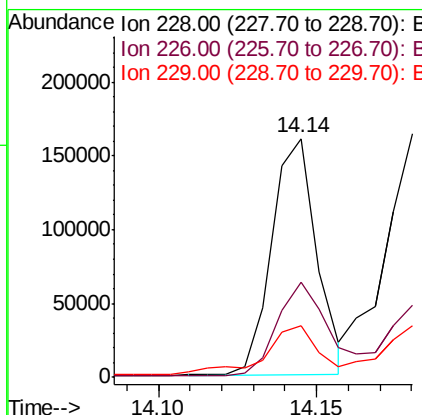
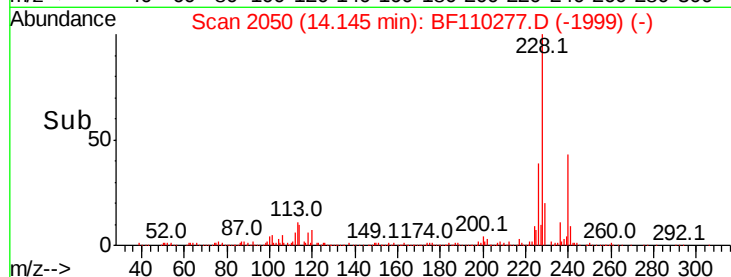
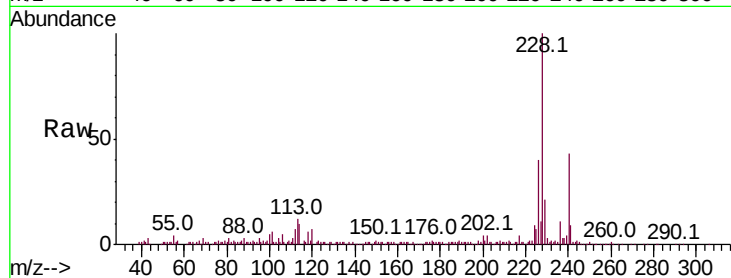
ClientSampleId :

DOCUMENTATION-28

Tot Ion:	228	Resp:	157720
Ion Ratio	Lower	Upper	
228	100		
226	39.7	22.1	33.1#
229	21.3	15.6	23.4

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#83

Chrysene

Concen: 13.856 ng

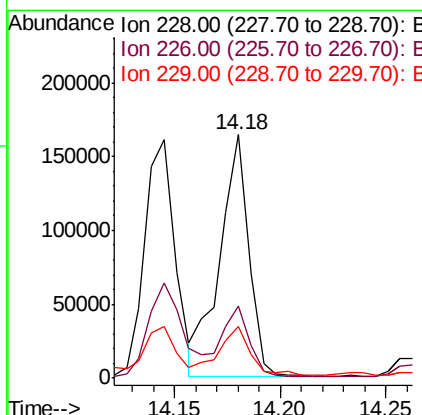
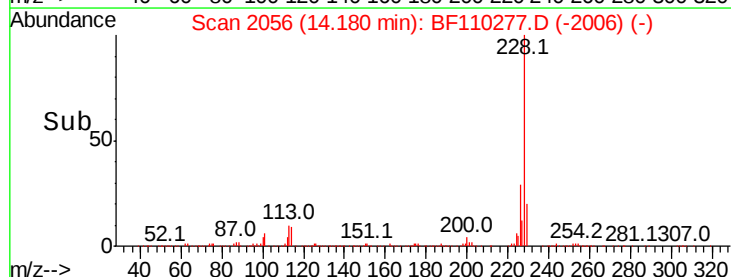
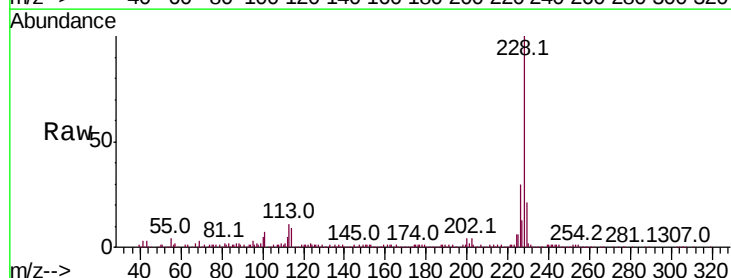
RT: 14.18 min Scan# 2056

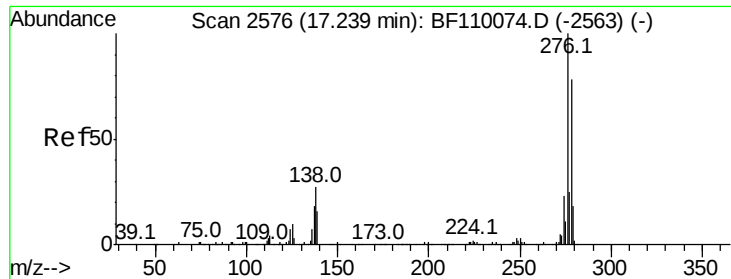
Delta R.T. -0.01 min

Lab File: BF110277.D

Acq: 29 Oct 2018 22:12

Tgt Ion:	228	Resp:	156934
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.7	37.1
229	21.4	15.9	23.9





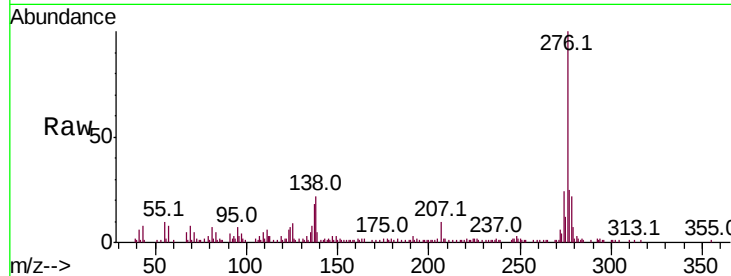
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.960 ng
RT: 17.26 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-28

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	18.5	27.7
277	28.4	20.0	30.0

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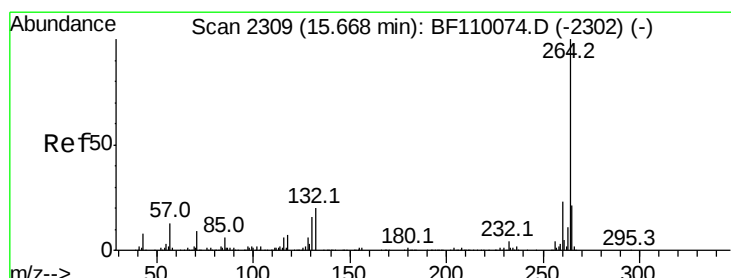
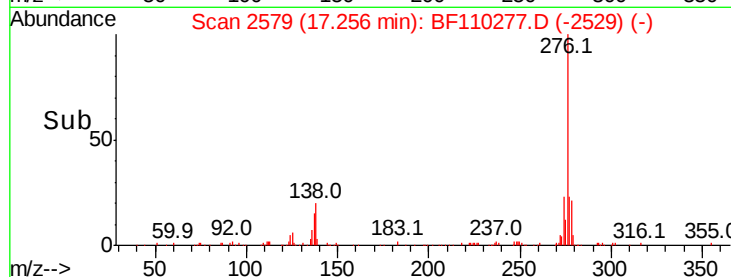
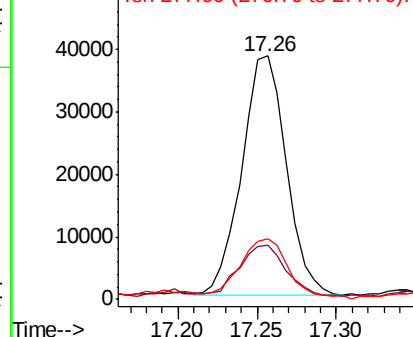


Abundance

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: 15.69 min Scan# 2312
Delta R.T. 0.00 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

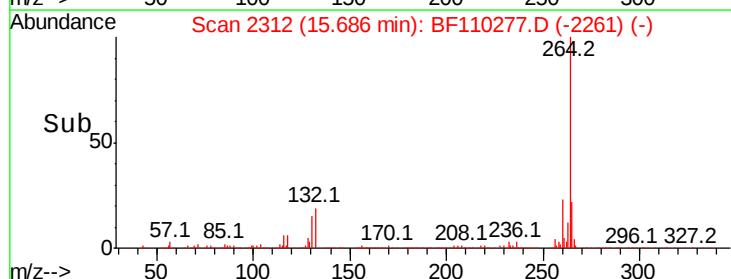
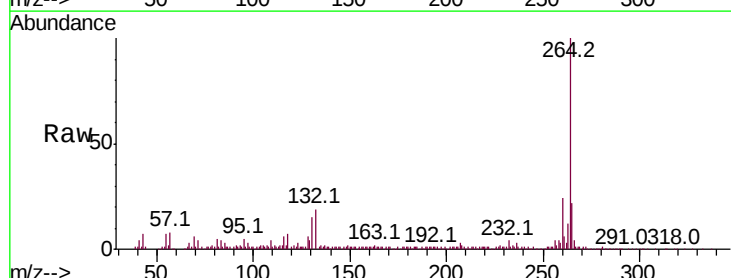
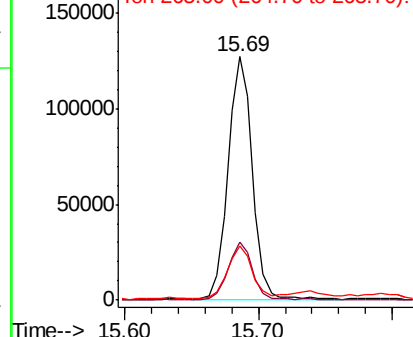
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.5	16.7	25.1

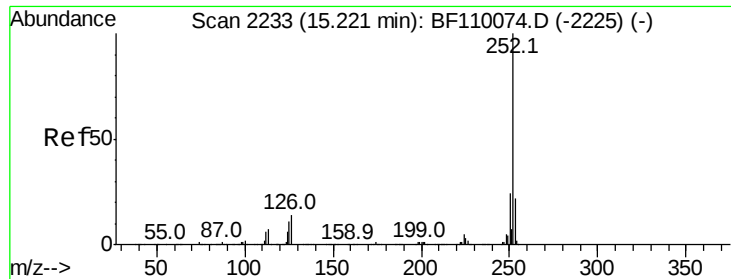
Abundance

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





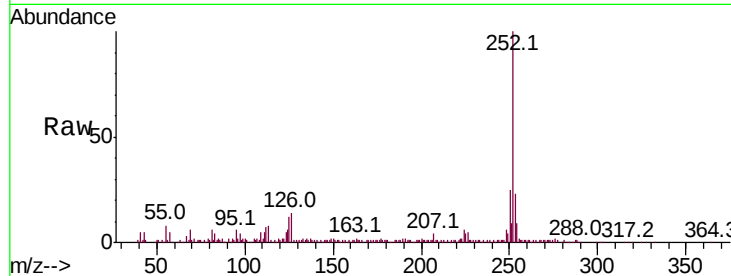
#88
Benzo(b)fluoranthene
Concen: 19.621 ng m
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-28

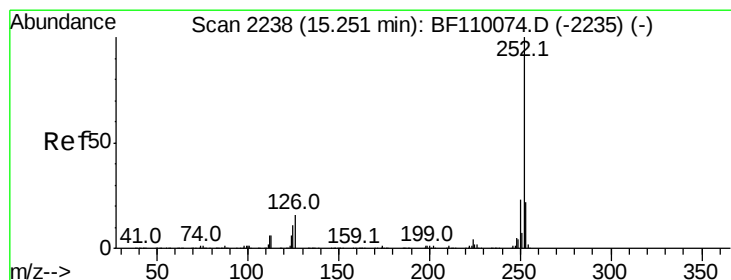
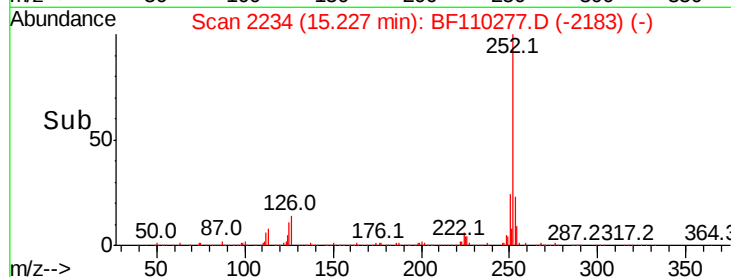
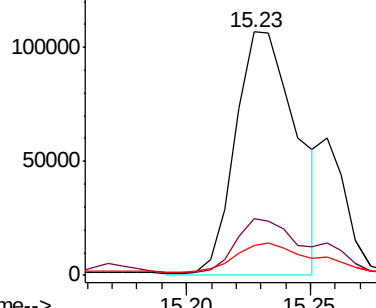
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	12.5	8.2	12.4

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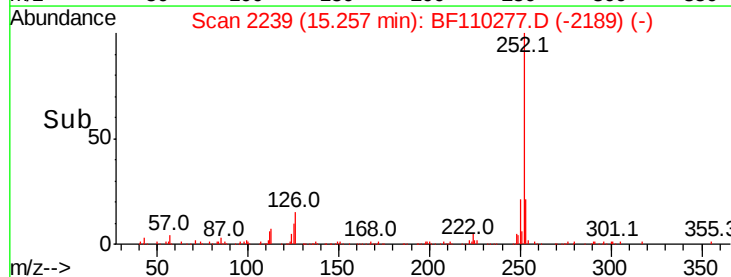
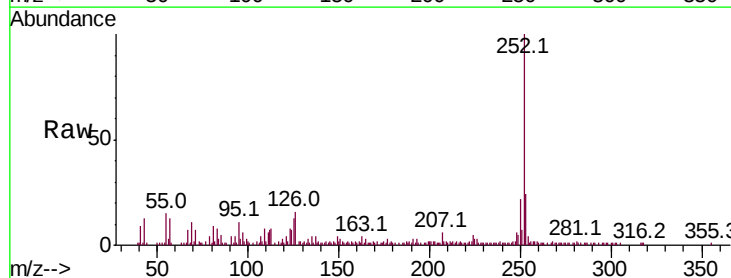
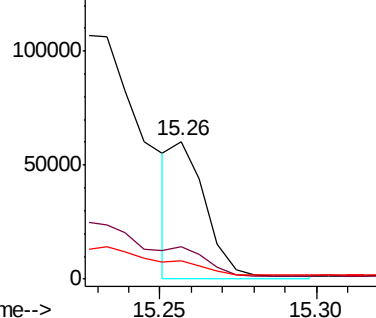
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

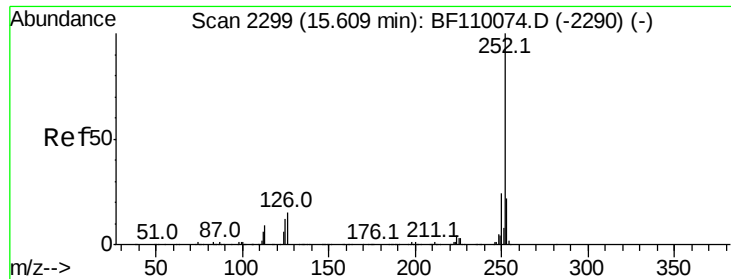


#89
Benzo(k)fluoranthene
Concen: 4.967 ng m
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	13.2	7.4	11.0

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





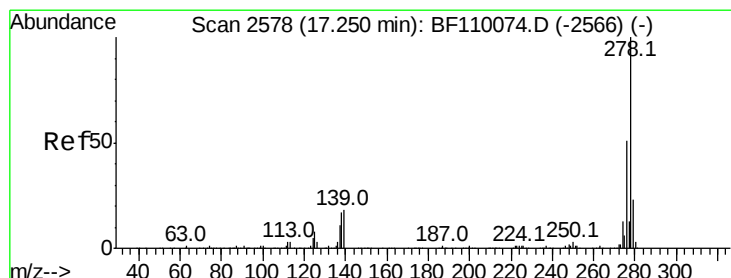
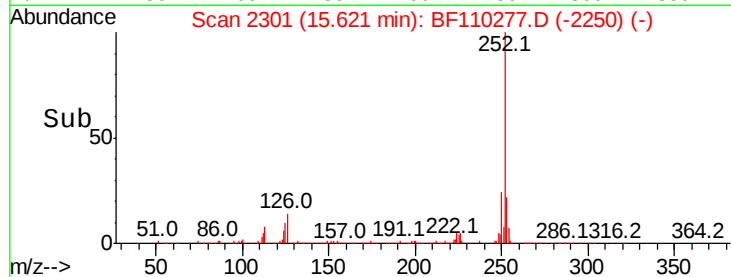
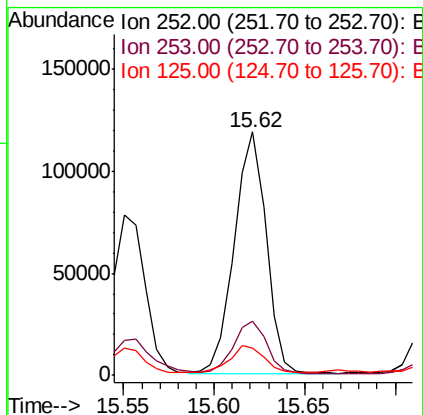
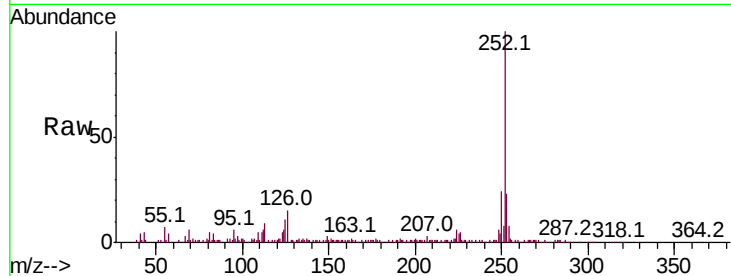
#90
Benzo(a)pyrene
Concen: 16.825 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.00 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-28

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	11.4	9.0	13.6

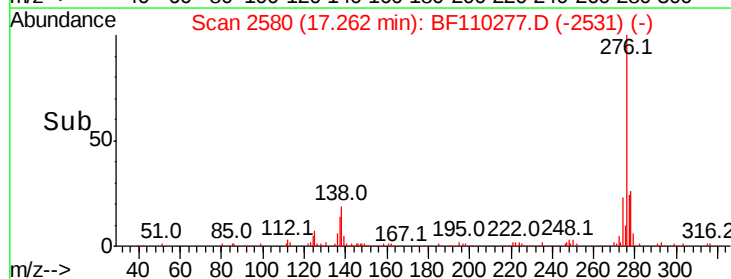
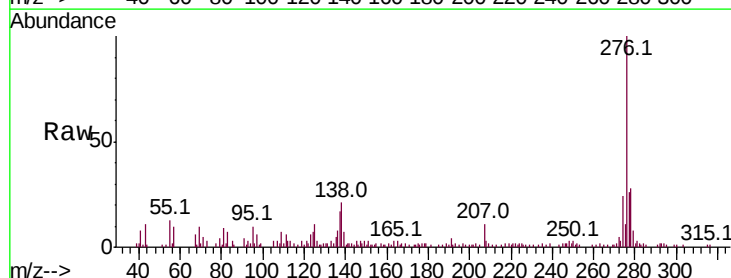
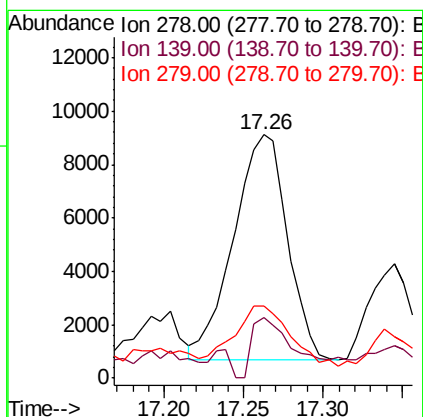
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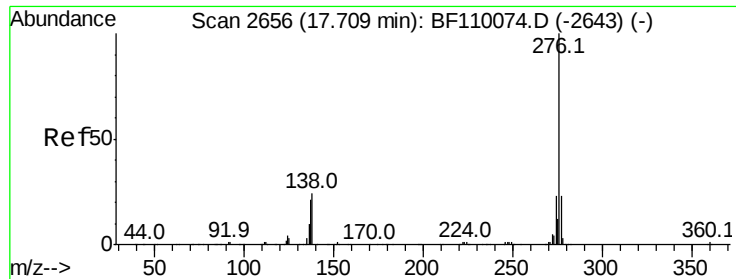
Sohil
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#91
Dibenzo(a,h)anthracene
Concen: 2.663 ng
RT: 17.26 min Scan# 2580
Delta R.T. -0.01 min
Lab File: BF110277.D
Acq: 29 Oct 2018 22:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.1	12.7	19.1#
279	29.8	19.0	28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 11.847 ng
 RT: 17.73 min Scan# 2660
 Delta R.T. -0.01 min
 Lab File: BF110277.D
 Acq: 29 Oct 2018 22:12

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-28

Tot Ion:	276	Resp:	86961
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.8	28.2
138	23.1	16.0	24.0

Manual Integrations
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