

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
 Data File : BF110981.D
 Acq On : 26 Nov 2018 23:19
 Operator : JU/SJ
 Sample : J6028-04 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Manual Integrations
 APPROVED

mohammad
 11/27/2018 11:48:13 AM

Quant Time: Nov 27 06:08:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 26 15:26:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	55084	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	205230	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	82503	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	153237	20.00	ng	0.00
76) Chrysene-d12	14.13	240	93387	20.00	ng	0.00
87) Perylene-d12	15.67	264	72488	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	232138	69.89	ng	0.00
7) Phenol-d6	6.56	99	288320	66.61	ng	0.00
23) Nitrobenzene-d5	7.50	82	163972	45.73	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	52499	64.07	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	246960	43.37	ng	0.00
79) Terphenyl-d14	13.06	244	199567	41.60	ng	0.00
Target Compounds						
10) Phenol	6.58	94	14521	2.979	ng	Qvalue 87
52) Acenaphthene	10.02	154	10197	2.028	ng	97
58) Fluorene	10.53	166	12248	2.146	ng	99
71) Phenanthrene	11.50	178	173419	21.368	ng	99
72) Anthracene	11.56	178	59983	7.257	ng	96
75) Fluoranthene	12.70	202	281513	33.749	ng	99
78) Pyrene	12.93	202	232514	34.089	ng	98
81) Benzo(a)anthracene	14.13	228	84773	15.376	ng	99
83) Chrysene	14.16	228	71231	13.124	ng	98
86) Indeno(1,2,3-cd)pyrene	17.28	276	30563	7.845	ng	97
88) Benzo(b)fluoranthene	15.22	252	82403m	19.351	ng	
89) Benzo(k)fluoranthene	15.24	252	22955m	5.237	ng	
90) Benzo(a)pyrene	15.61	252	54860	13.840	ng	# 93
91) Dibenzo(a,h)anthracene	17.27	278	6785	2.075	ng	# 61
92) Benzo(a,h,i)perylene	17.77	276	29892	9.479	ng	# 90

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

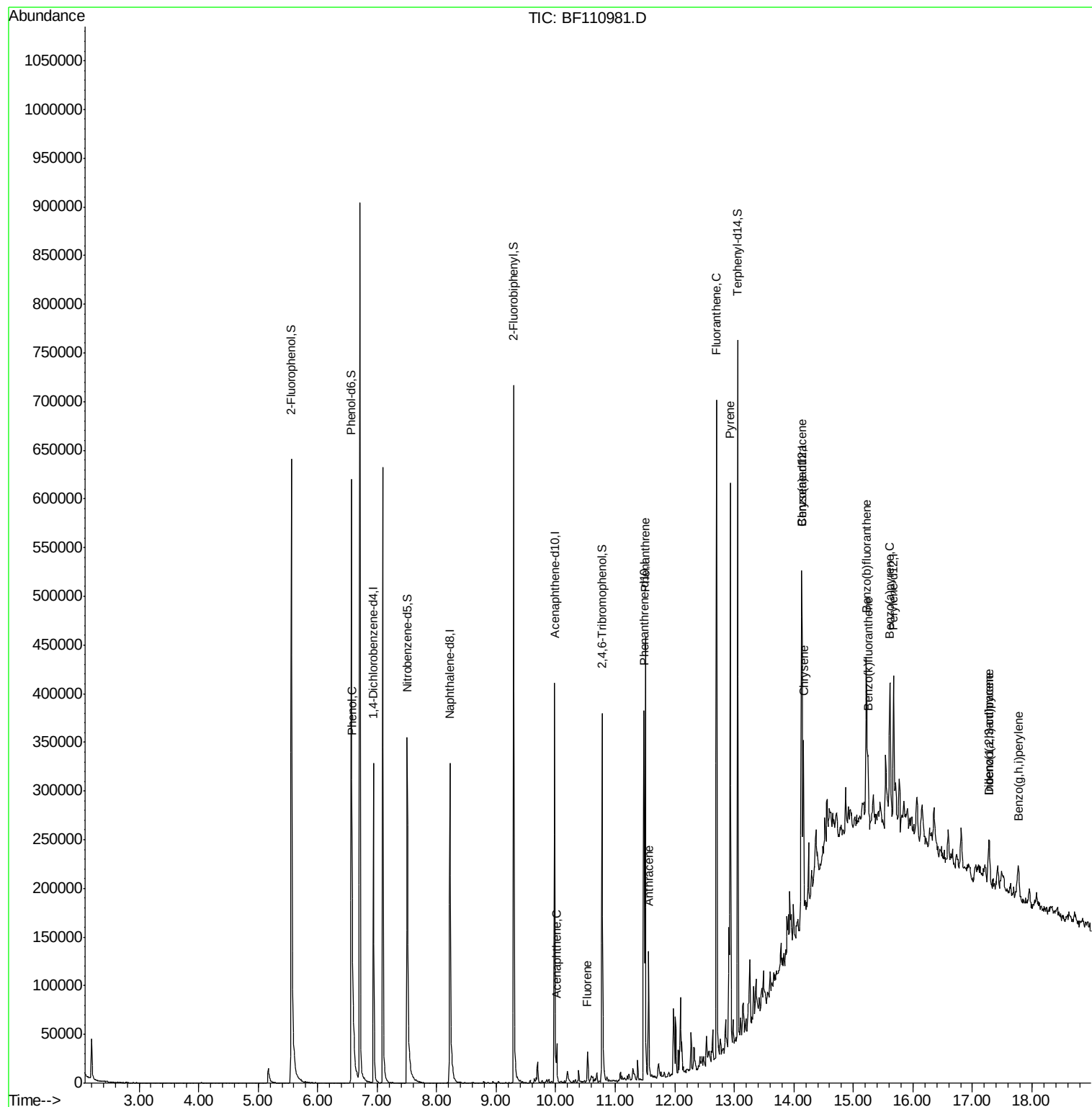
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
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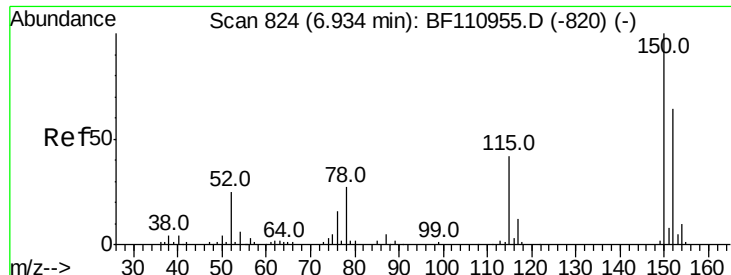
Instrument :
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#1

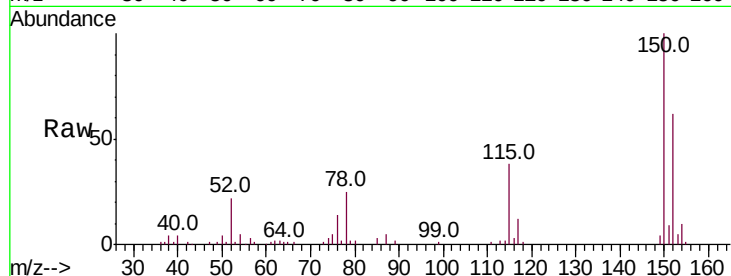
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	122.7	184.1
115	60.9	49.1	73.7

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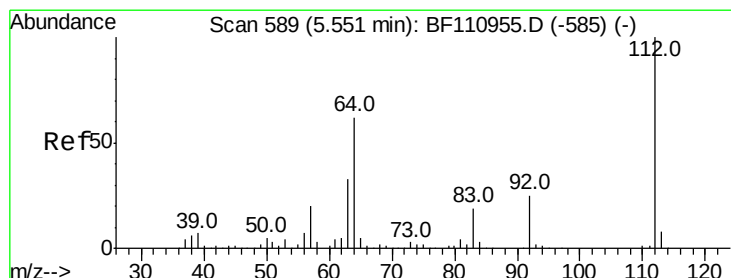
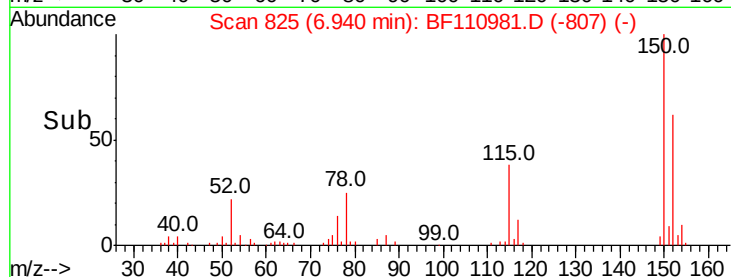
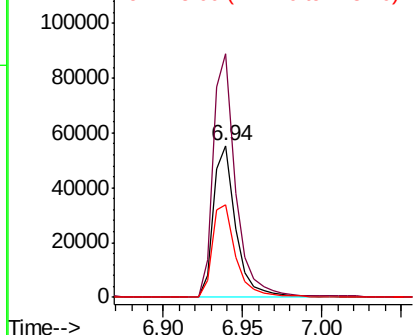


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

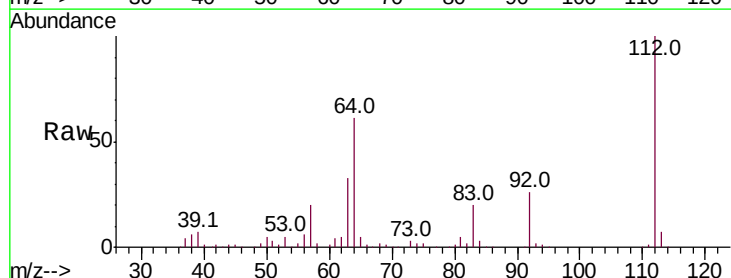
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 69.886 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	44.1	66.1
63	32.6	23.7	35.5

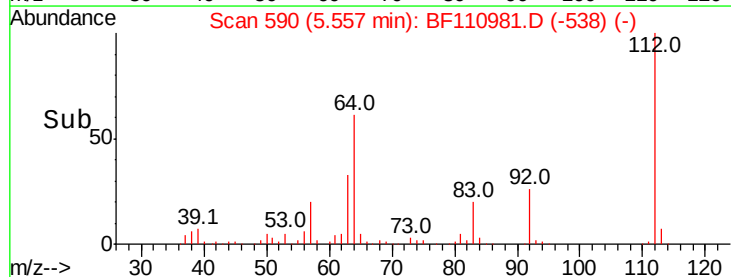
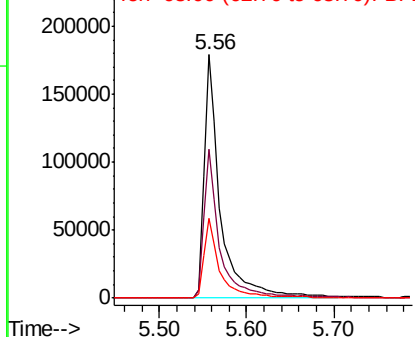


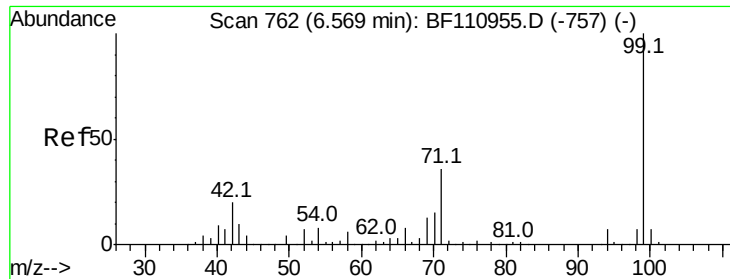
Abundance

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: 66.606 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110981.D

Acq: 26 Nov 2018 23:19

Instrument :

BNA_F

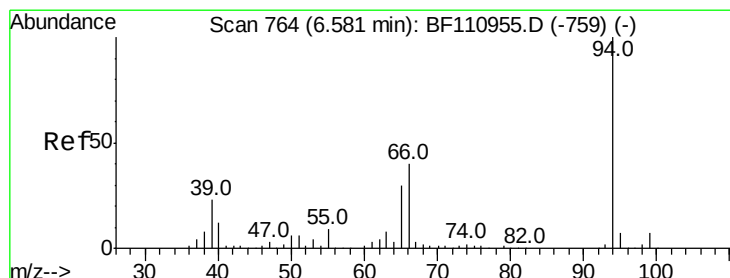
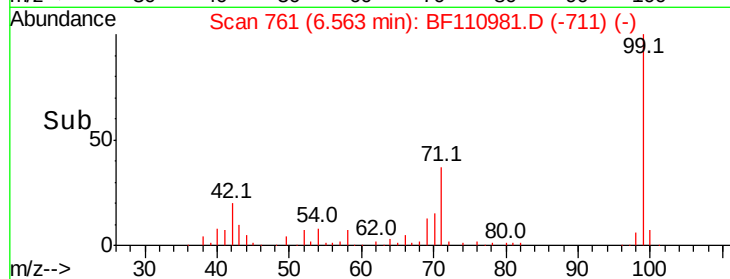
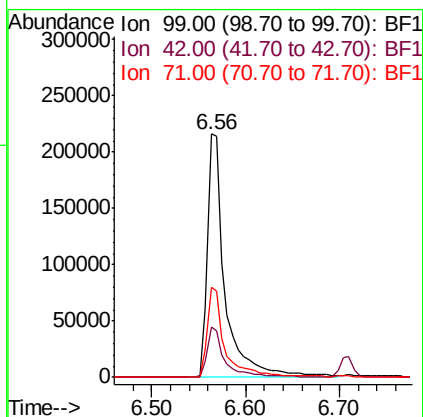
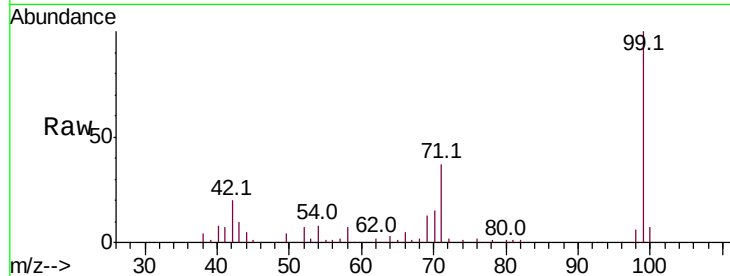
ClientSampled :

COMP-1

Tot Ion:	99	Resp:	288320
Ion Ratio	Lower	Upper	
99	100		
42	20.5	15.8	23.6
71	36.9	28.0	42.0

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#10

Phenol

Concen: 2.979 ng

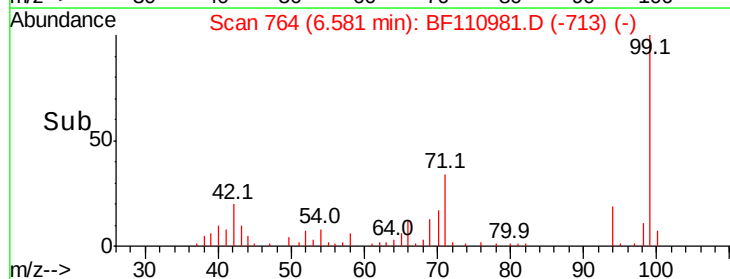
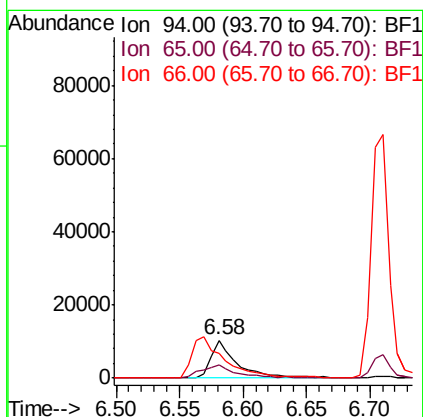
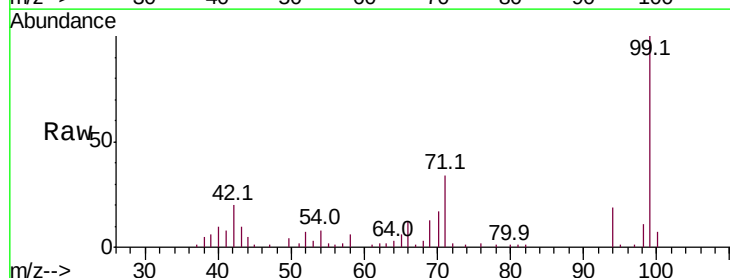
RT: 6.58 min Scan# 764

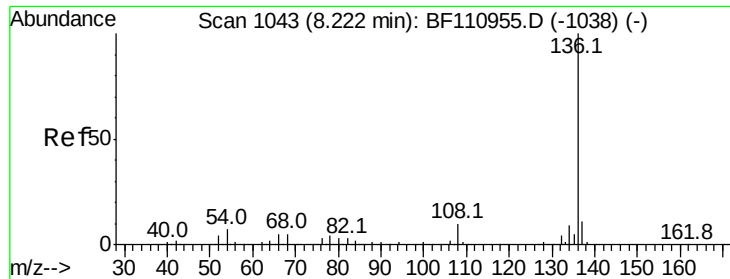
Delta R.T. 0.00 min

Lab File: BF110981.D

Acq: 26 Nov 2018 23:19

Tgt Ion:	94	Resp:	14521
Ion Ratio	Lower	Upper	
94	100		
65	33.7	25.3	65.3
66	66.3	54.5	94.5





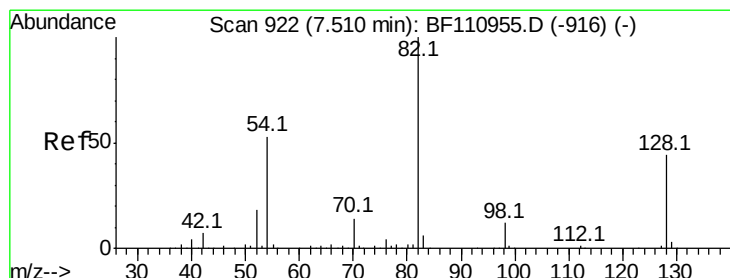
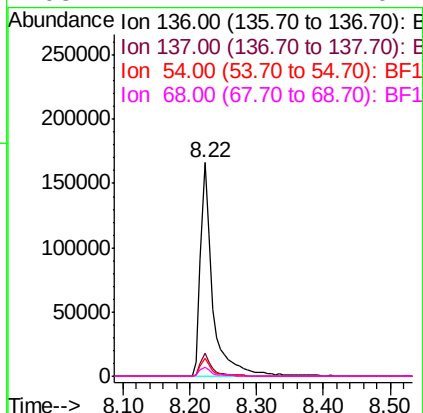
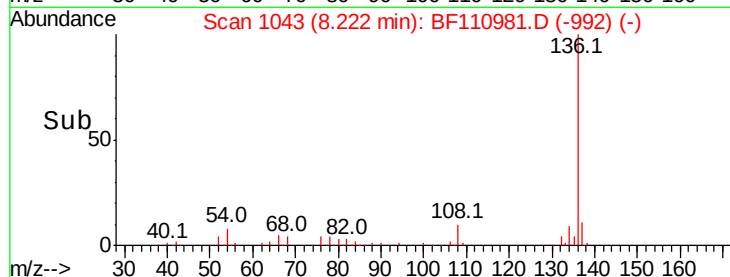
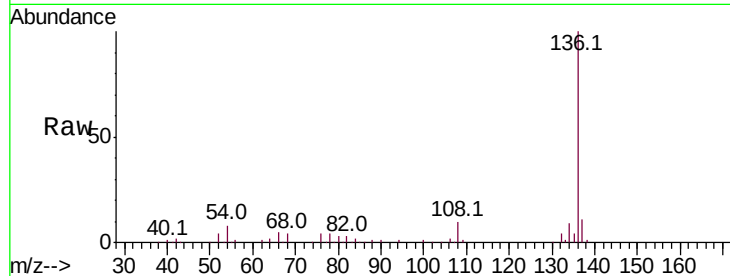
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Instrument :
BNA_F
ClientSampleID :
COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.8	13.2	
54	8.1	5.4	8.2	
68	4.4	4.2	6.2	

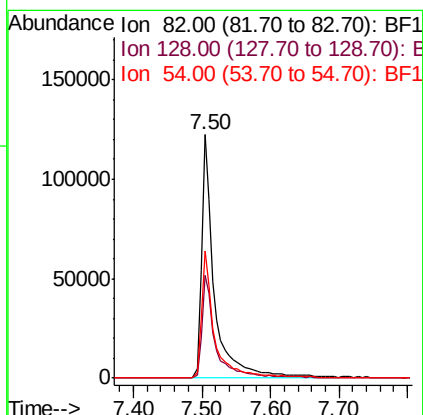
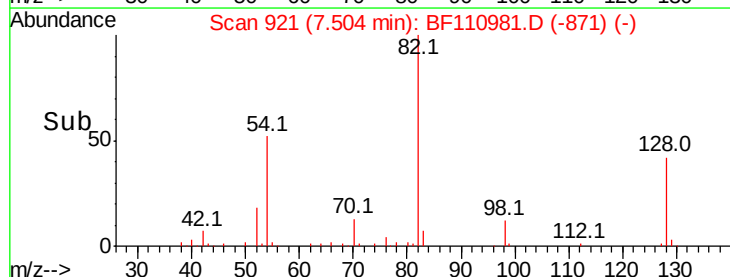
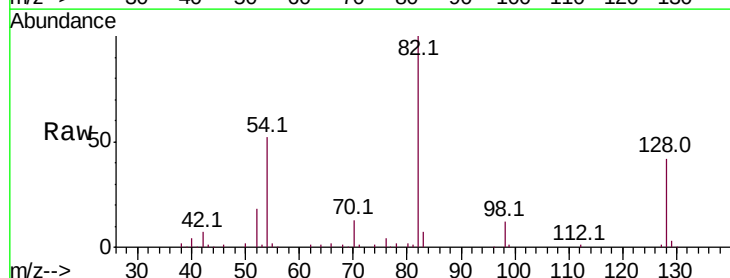
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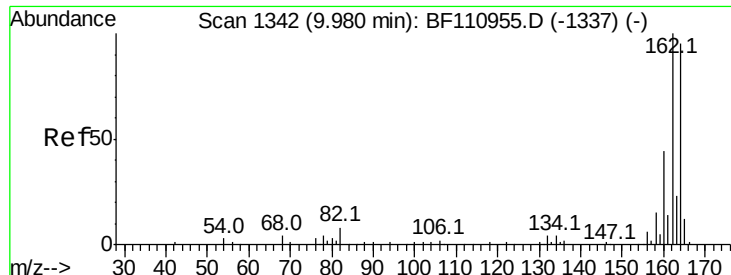
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#23
Nitrobenzene-d5
Concen: 45.725 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.2	34.2	51.2	
54	52.4	38.6	58.0	





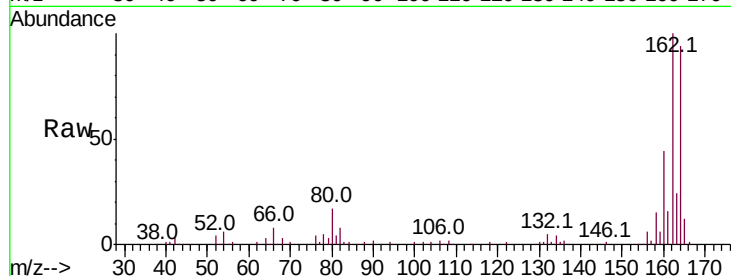
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: BF110981.D
 Acq: 26 Nov 2018 23:19

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.4	83.0	124.6
160	47.3	37.0	55.6

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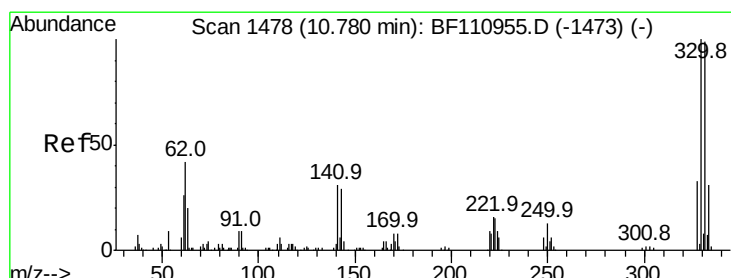
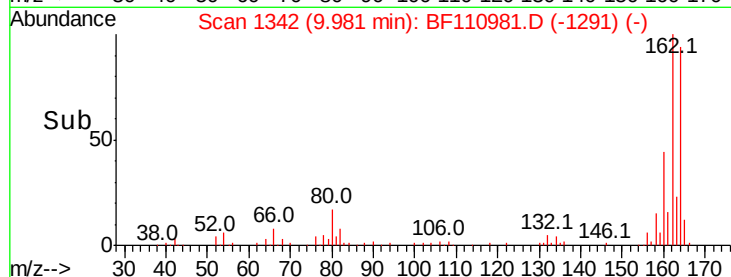
Abundance

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

Time-->



#42
 2,4,6-Tribromophenol
 Concen: 64.073 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. 0.00 min
 Lab File: BF110981.D
 Acq: 26 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.1	115.7
141	38.9	27.0	40.4

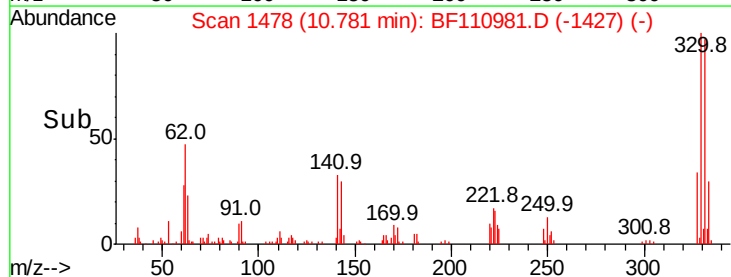
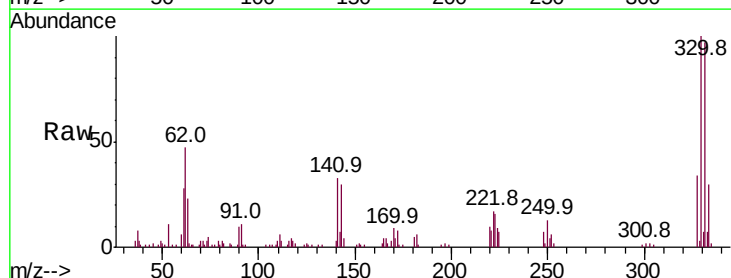
Abundance

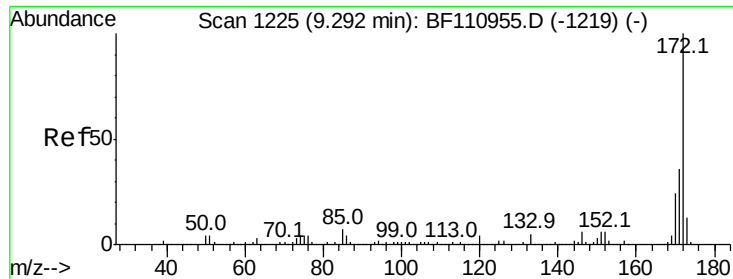
Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

Time-->





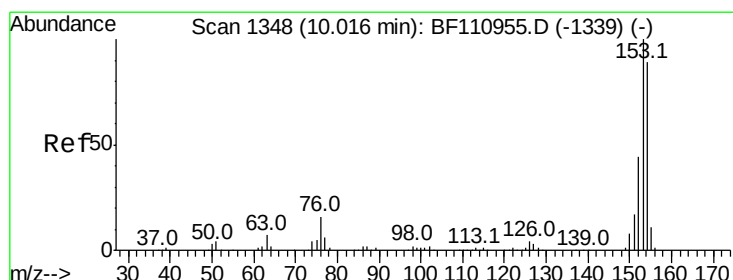
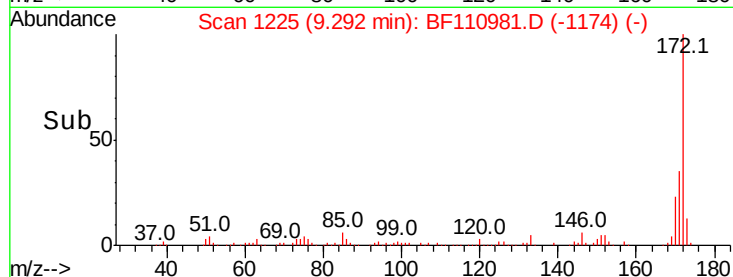
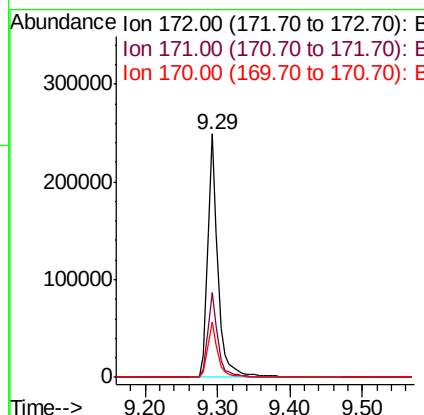
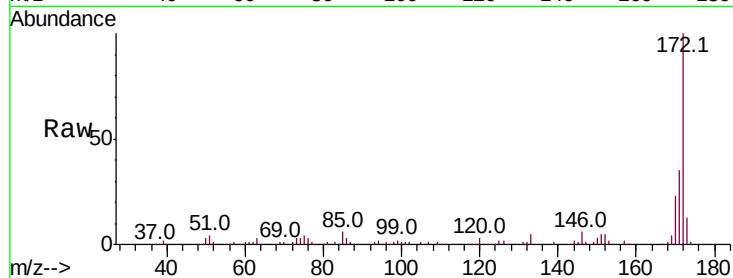
#45
2-Fluorobiphenyl
Concen: 43.367 ng
RT: 9.29 min Scan# 1225
Delta R.T. 0.00 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
172	100	246960		
171	34.9		28.6	43.0
170	23.0		19.7	29.5

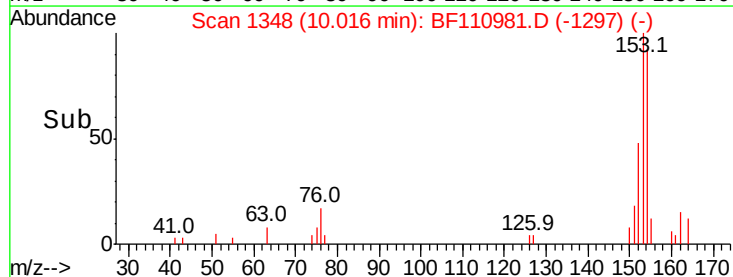
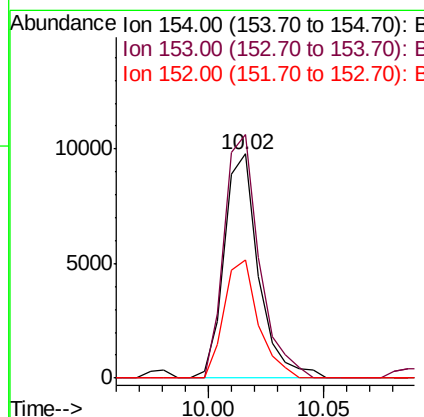
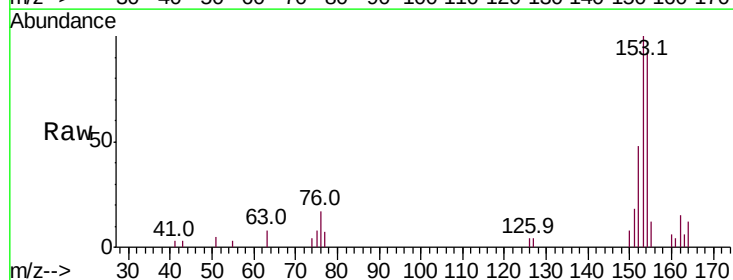
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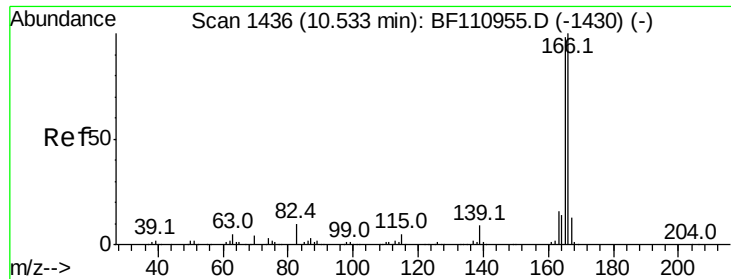
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#52
Acenaphthene
Concen: 2.028 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	10197		
153	108.7		90.1	135.1
152	52.6		43.4	65.2





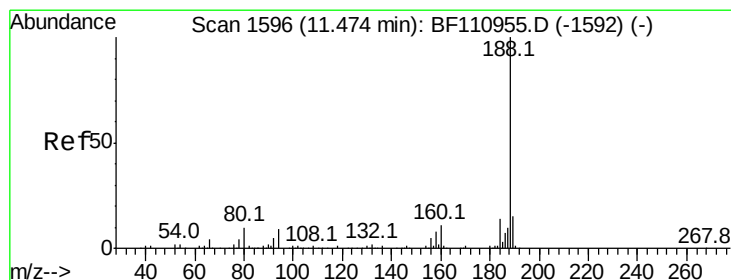
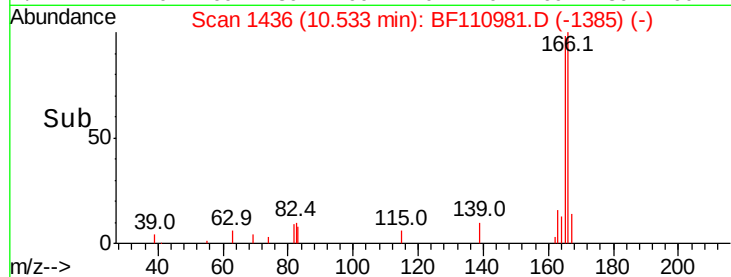
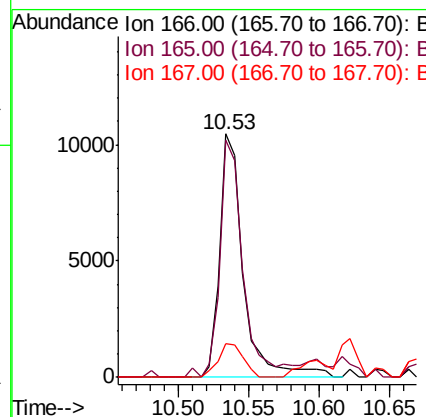
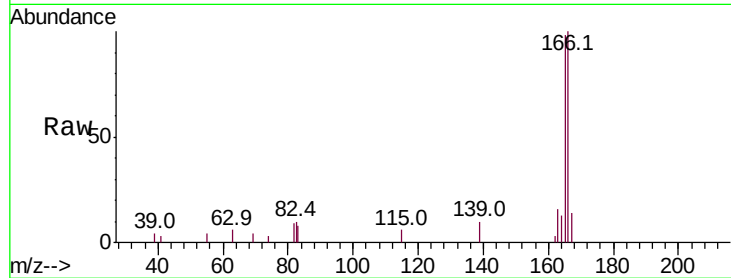
#58
 Fluorene
 Concen: 2.146 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BF110981.D
 Acq: 26 Nov 2018 23:19

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.6	117.8
167	14.0	10.8	16.2

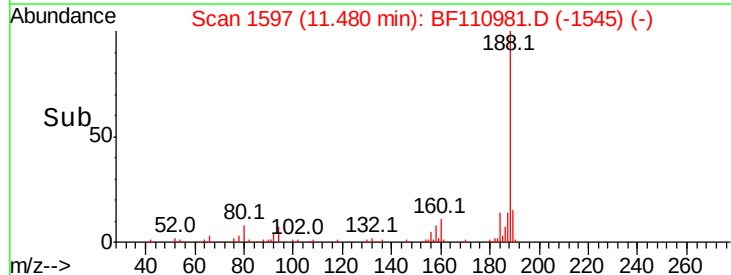
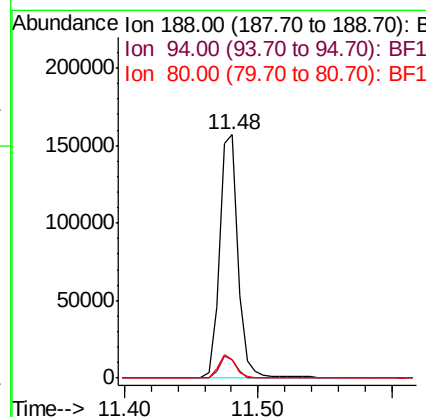
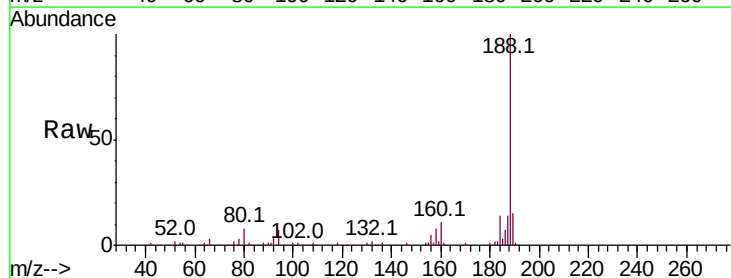
Manual Integrations
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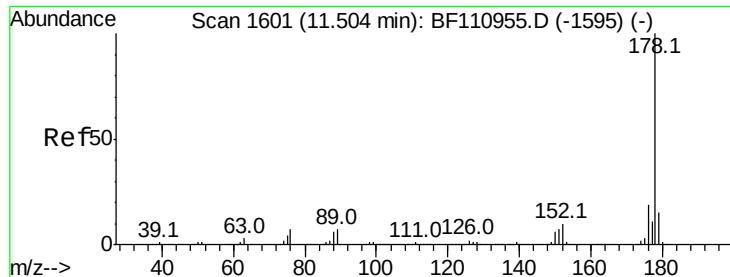
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF110981.D
 Acq: 26 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	7.2	10.8
80	7.7	7.9	11.9#





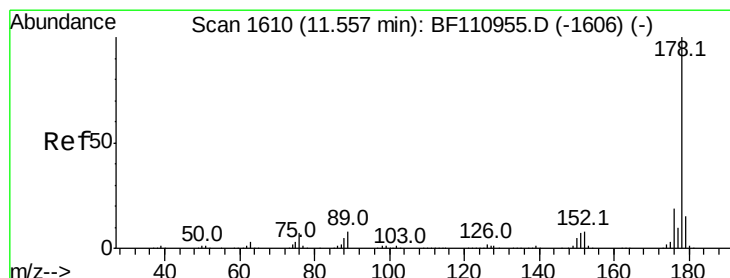
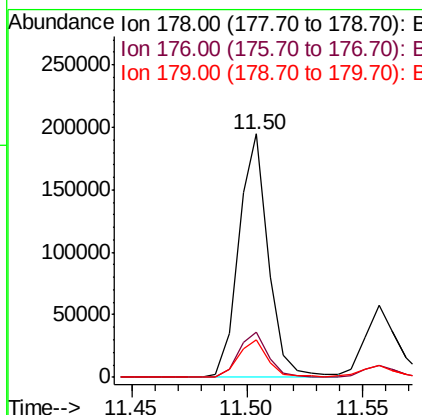
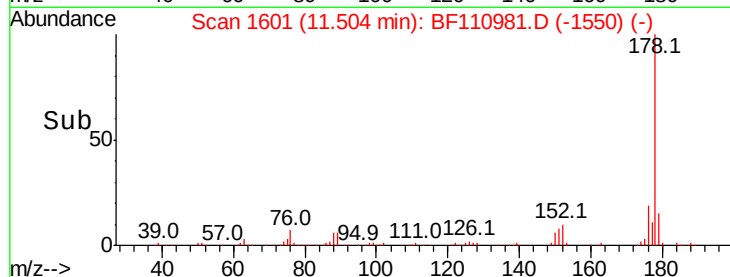
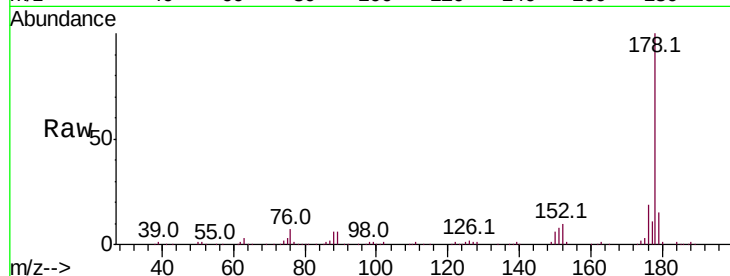
#71
Phenanthrene
Concen: 21.368 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	15.3	12.5	18.7

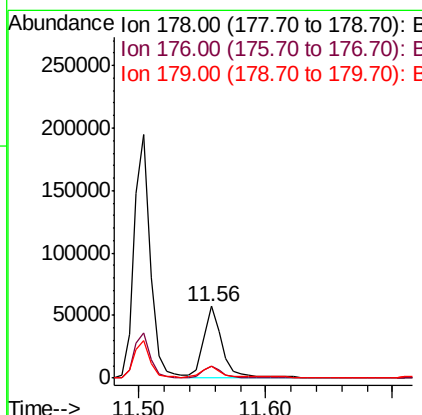
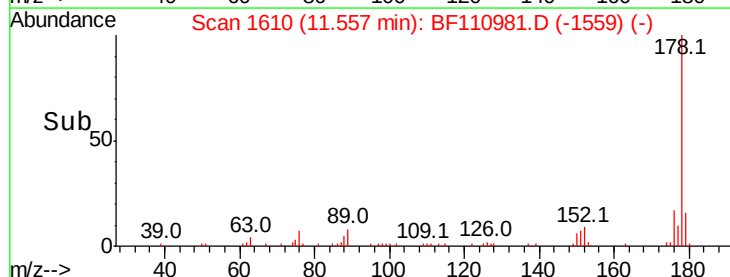
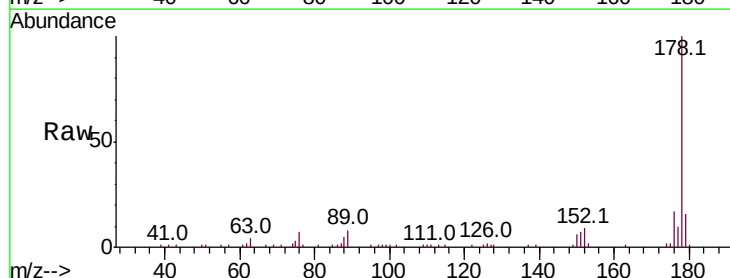
Manual Integrations
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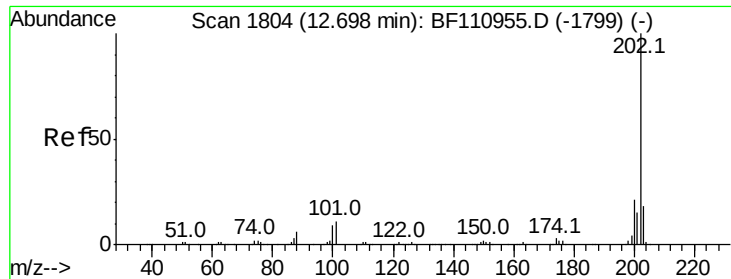
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#72
Anthracene
Concen: 7.257 ng
RT: 11.56 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.6	15.4	23.2
179	16.1	12.6	18.8





#75

Fluoranthene

Concen: 33.749 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF110981.D

Acq: 26 Nov 2018 23:19

Instrument :

BNA_F

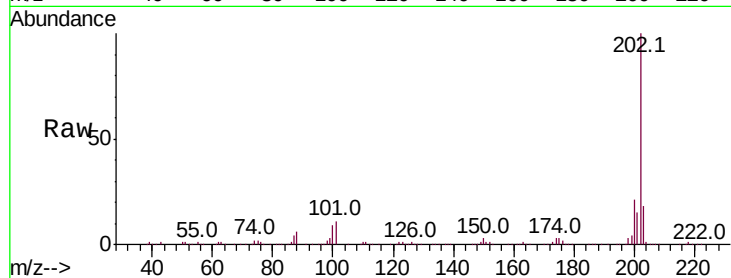
ClientSampleId :

COMP-1

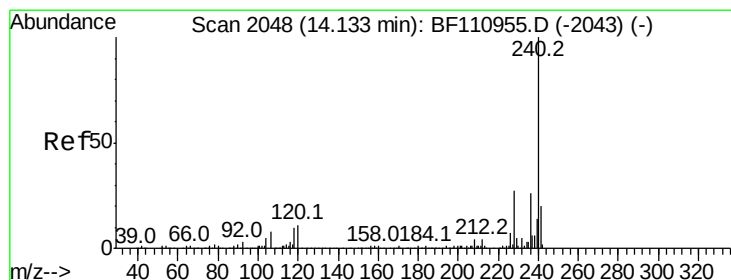
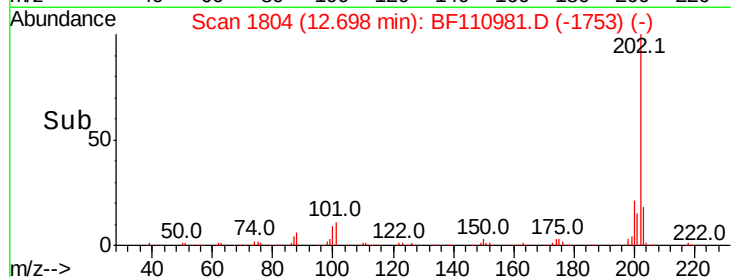
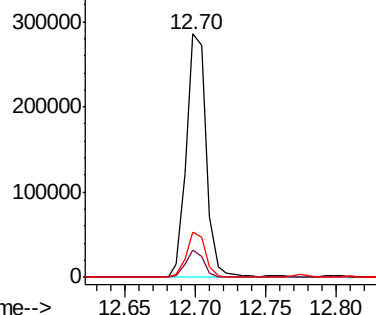
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	31.4
203	18.4	0.0	37.7

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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: 14.13 min Scan# 2048

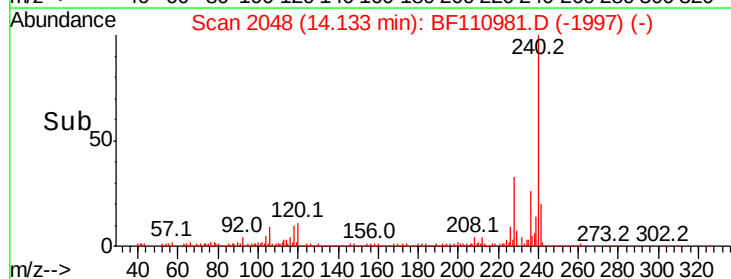
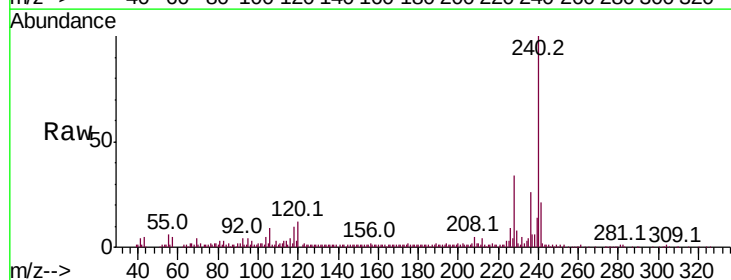
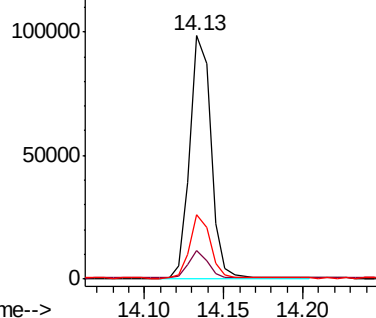
Delta R.T. 0.00 min

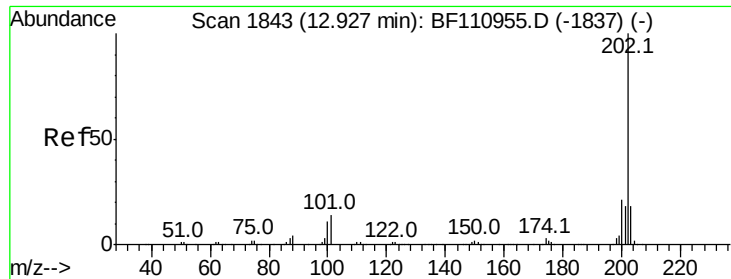
Lab File: BF110981.D

Acq: 26 Nov 2018 23:19

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.9	8.3	12.5
236	26.3	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





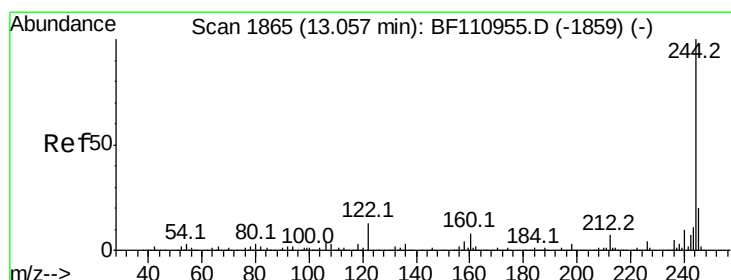
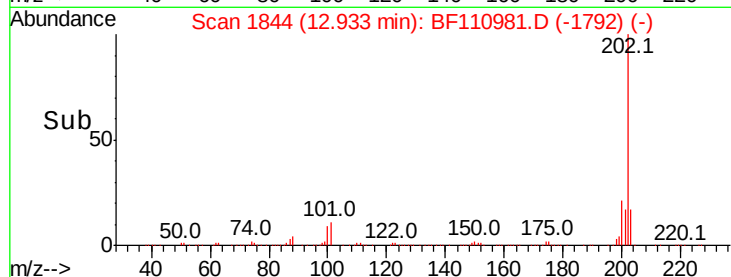
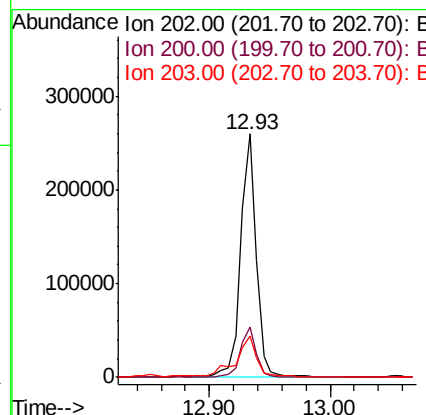
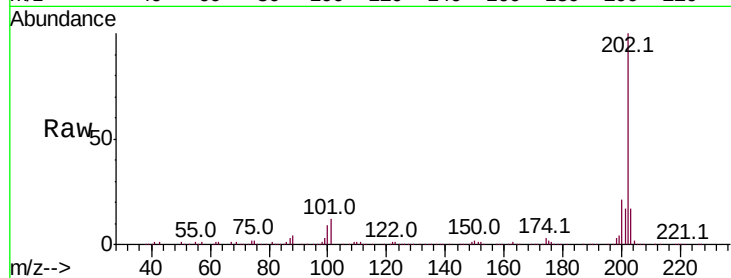
#78
Pvrene
Concen: 34.089 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.01 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	17.8	26.6
203	17.2	14.2	21.4

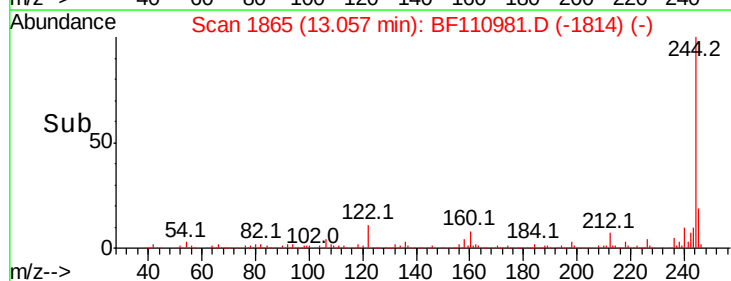
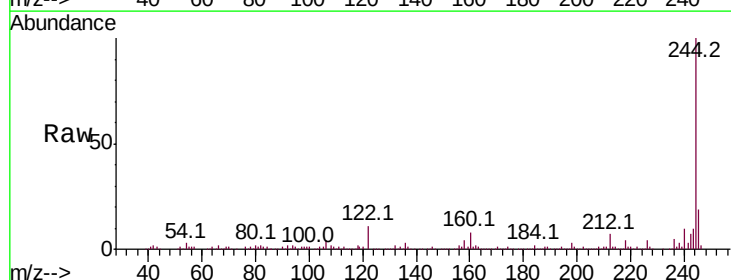
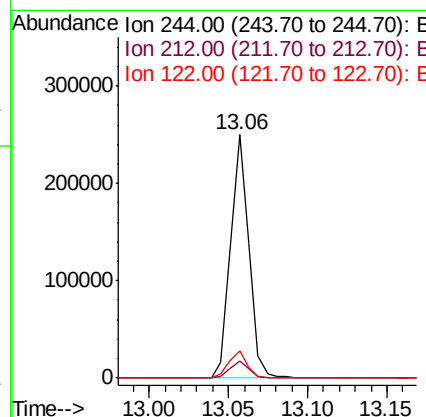
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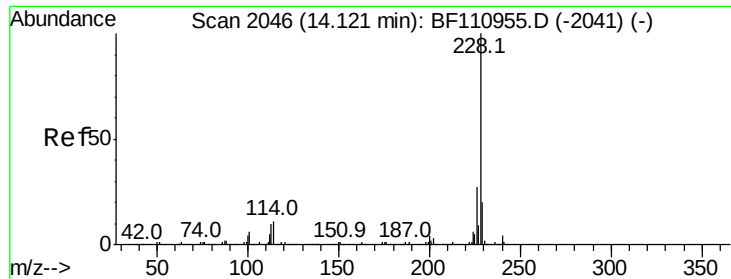
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#79
Terphenyl-d14
Concen: 41.600 ng
RT: 13.06 min Scan# 1865
Delta R.T. 0.00 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.8	8.8
122	11.0	8.7	13.1





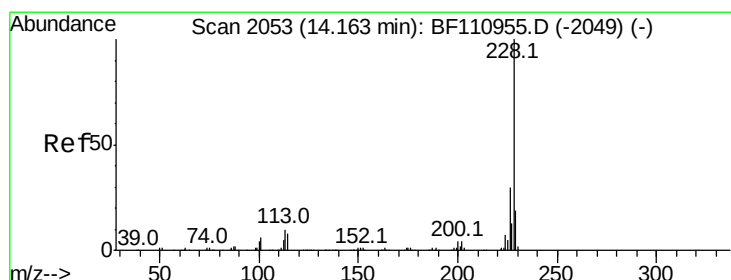
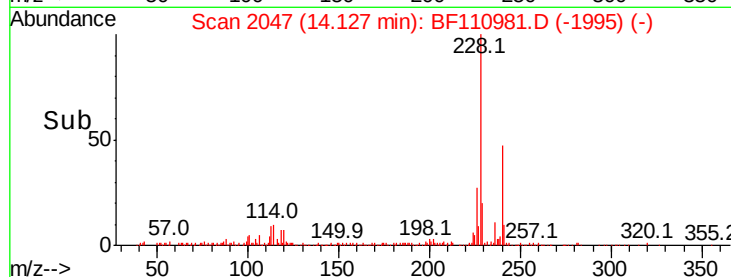
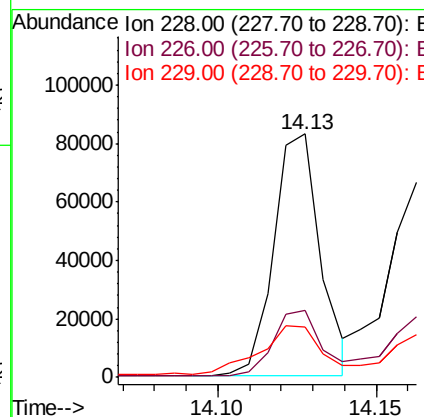
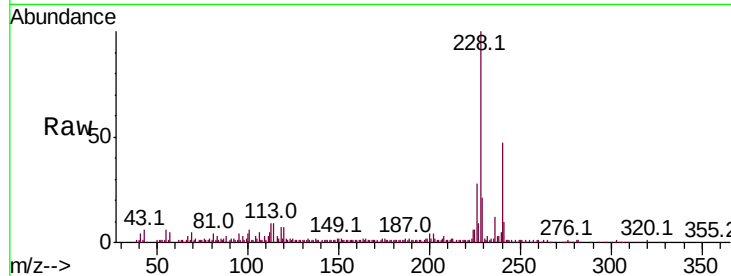
#81
Benzo(a)anthracene
Concen: 15.376 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.01 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.1	33.1
229	20.5	15.6	23.4

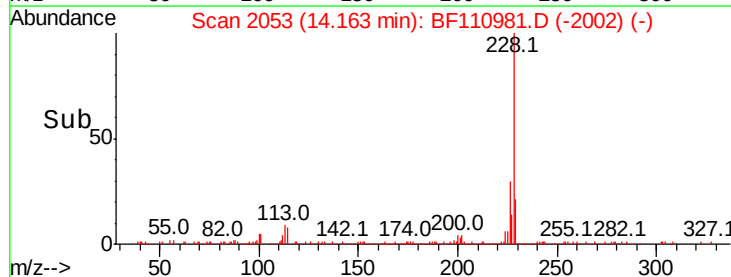
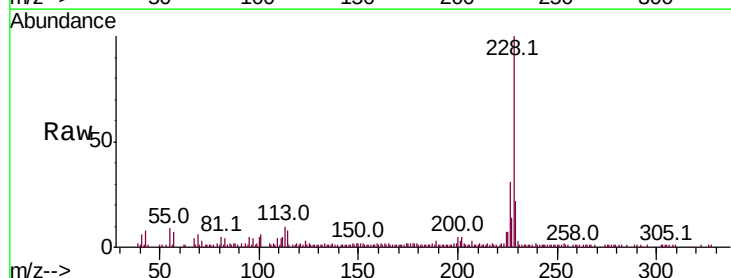
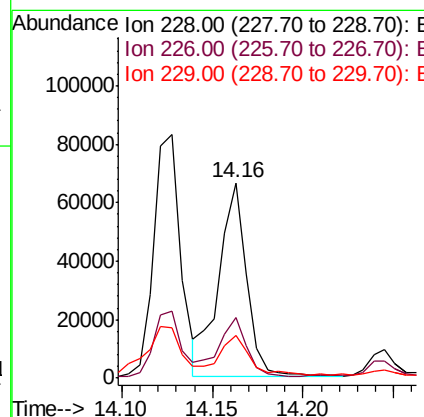
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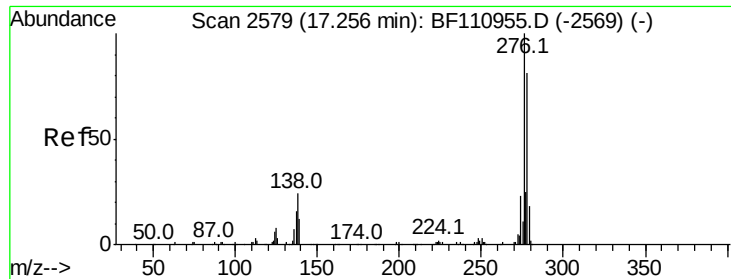
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#83
Chrysene
Concen: 13.124 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.7	37.1
229	22.0	15.9	23.9





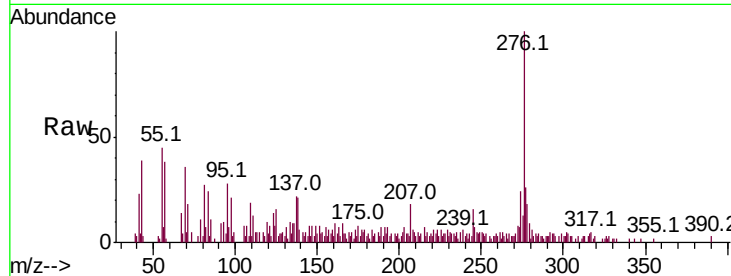
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.845 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.02 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	18.5	27.7
277	23.4	20.0	30.0

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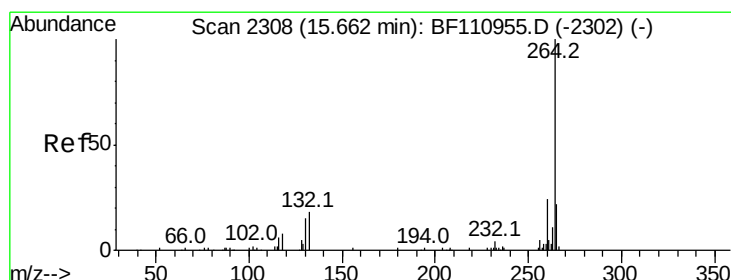
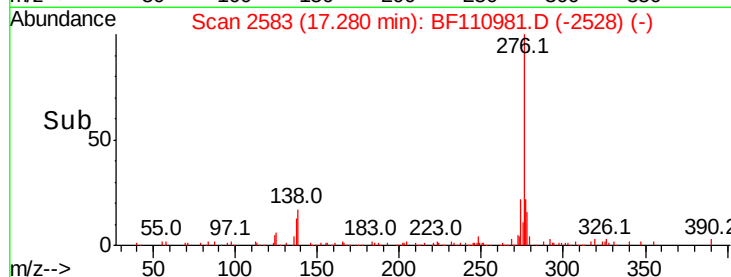
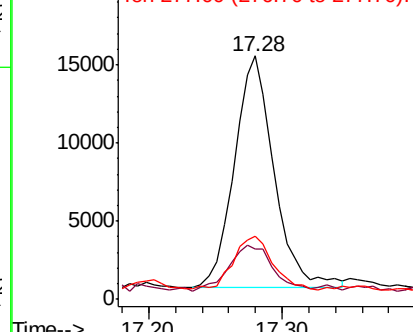


Abundance

Ion 276.00 (275.70 to 276.70): E

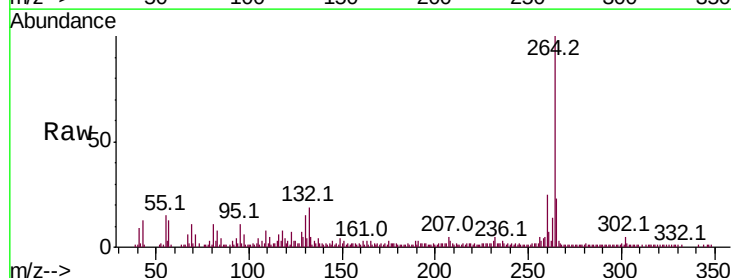
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.01 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.7	28.1
265	23.4	16.7	25.1

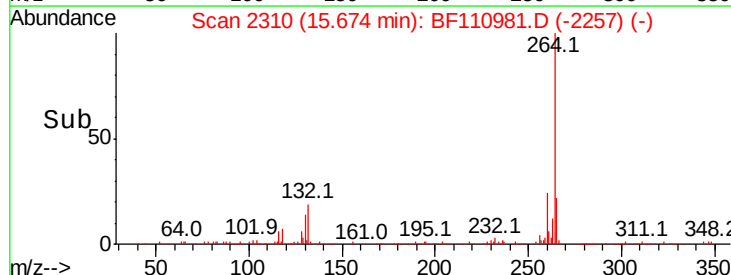
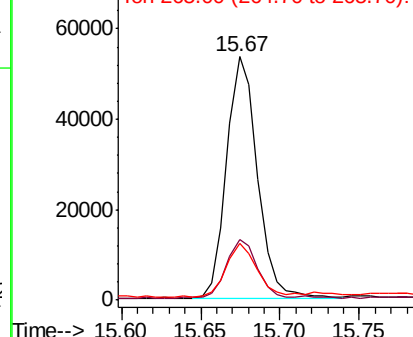


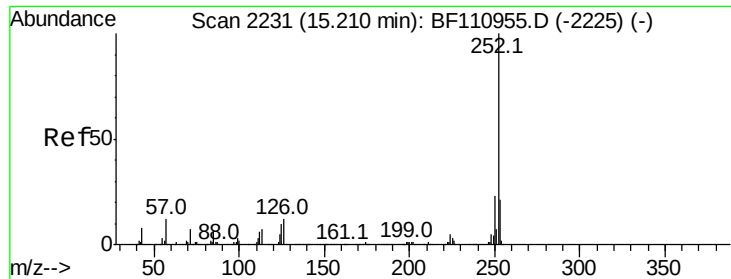
Abundance

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





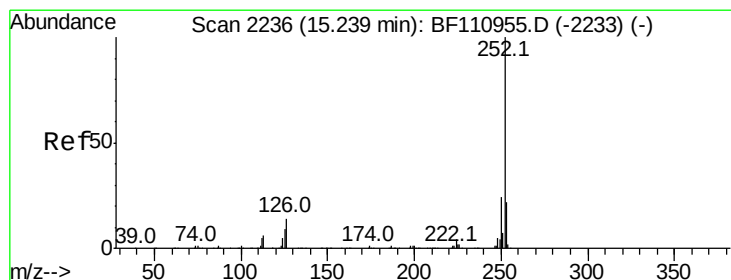
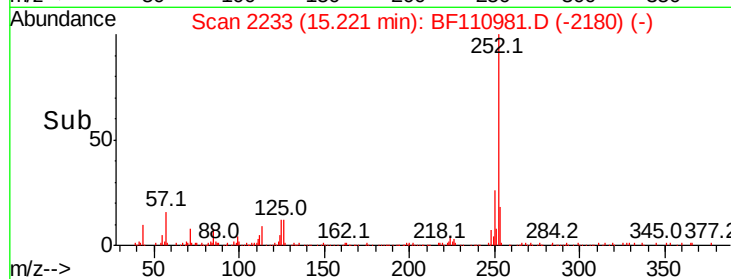
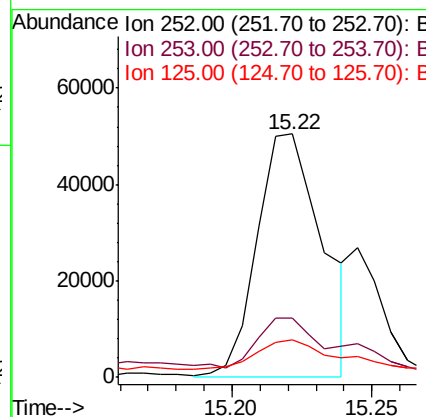
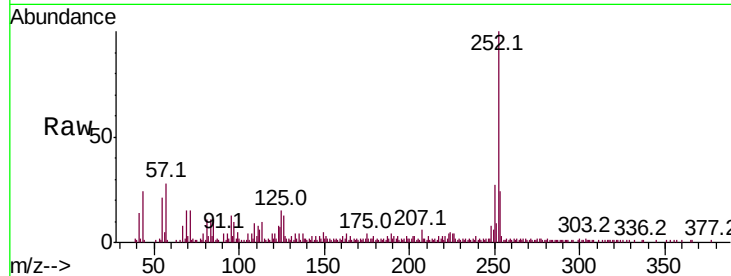
#88
Benzo(b)fluoranthene
Concen: 19.351 ng m
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	15.4	8.2	12.4

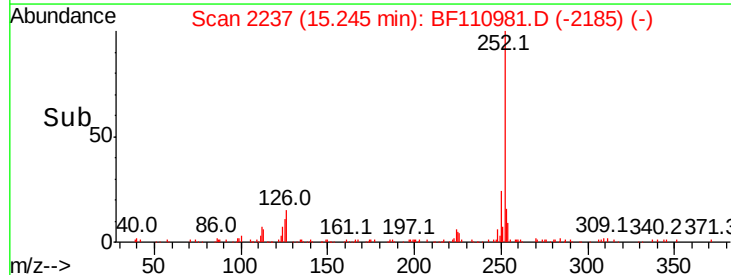
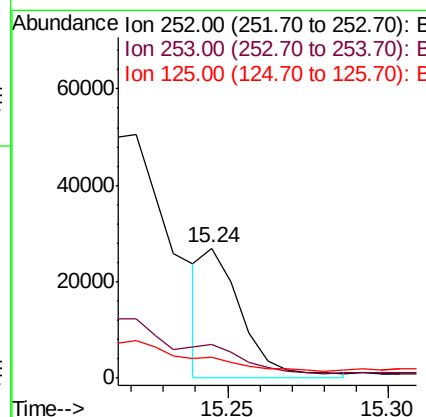
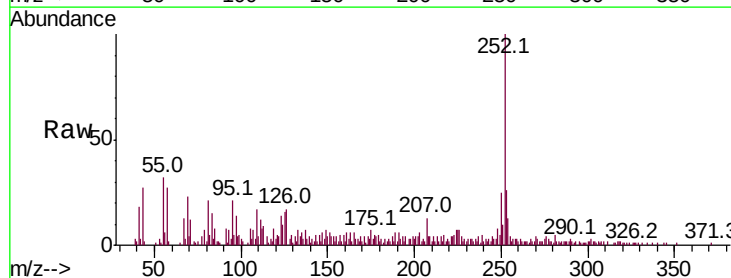
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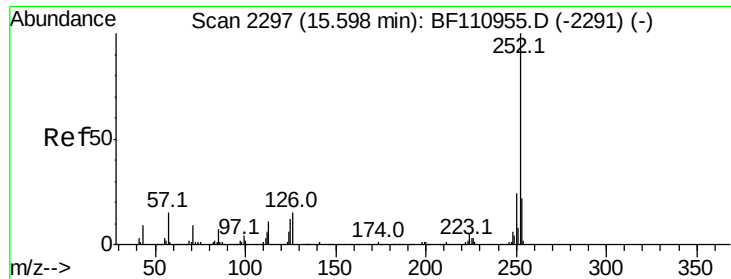
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#89
Benzo(k)fluoranthene
Concen: 5.237 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF110981.D
Acq: 26 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.2	25.8
125	16.0	7.4	11.0





#90

Benzo(a)pyrene

Concen: 13.840 ng

RT: 15.61 min Scan# 2299

Delta R.T. 0.01 min

Lab File: BF110981.D

Acq: 26 Nov 2018 23:19

Instrument :

BNA_F

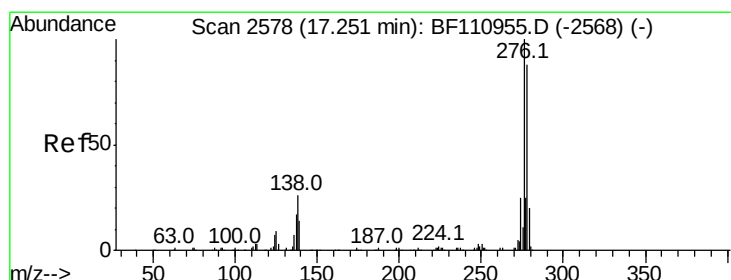
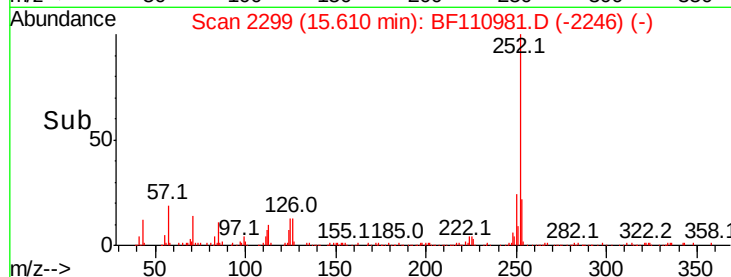
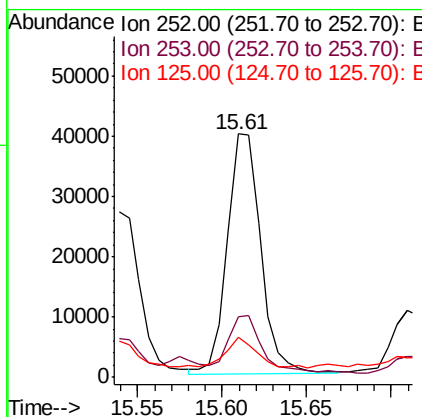
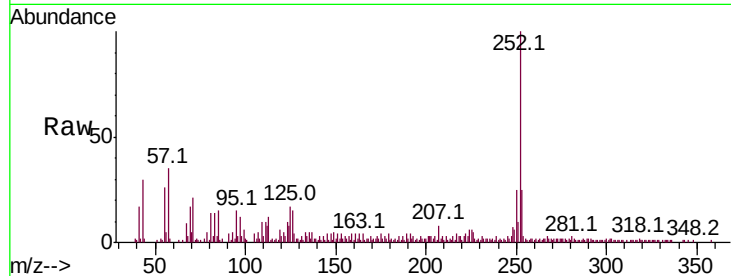
ClientSampled :

COMP-1

Tot Ion:	252	Resp:	54860
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.2	27.4
125	16.6	9.0	13.6#

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#91

Dibenzo(a,h)anthracene

Concen: 2.075 ng

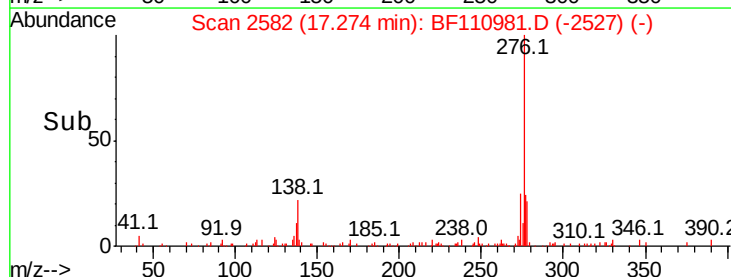
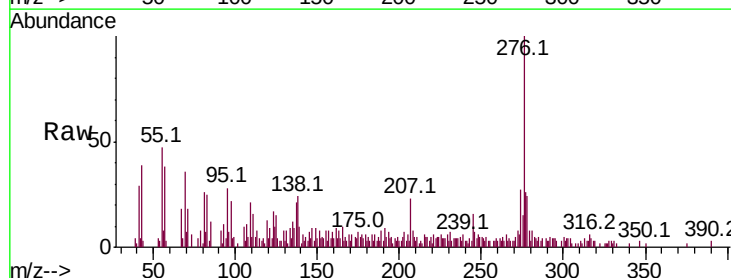
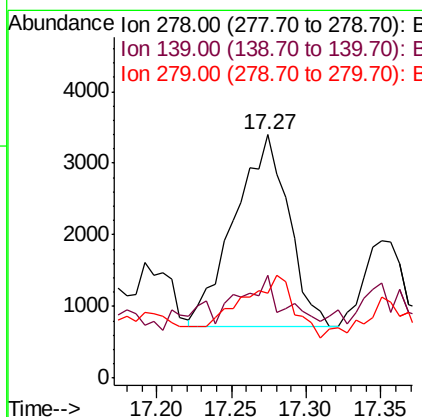
RT: 17.27 min Scan# 2582

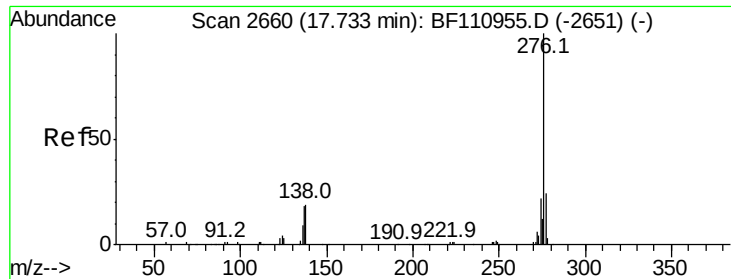
Delta R.T. 0.02 min

Lab File: BF110981.D

Acq: 26 Nov 2018 23:19

Tgt Ion:	278	Resp:	6785
Ion Ratio	Lower	Upper	
278	100		
139	42.4	12.7	19.1#
279	34.8	19.0	28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 9.479 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. 0.04 min
 Lab File: BF110981.D
 Acq: 26 Nov 2018 23:19

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.8	18.8	28.2#
138	23.1	16.0	24.0

Manual Integrations
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