

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
 Data File : BF110982.D
 Acq On : 26 Nov 2018 23:46
 Operator : JU/SJ
 Sample : J6028-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Manual Integrations
 APPROVED

mohammad
 11/27/2018 11:48:16 AM

Quant Time: Nov 27 06:11:26 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	54386	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	197398	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	79341	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	140052	20.00	ng	0.00
76) Chrysene-d12	14.13	240	87369	20.00	ng	0.00
87) Perylene-d12	15.67	264	66635	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	348734	106.33	ng	0.01
7) Phenol-d6	6.57	99	426187	99.72	ng	0.00
23) Nitrobenzene-d5	7.50	82	245153	71.08	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	72225	91.66	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	440559	80.45	ng	0.00
79) Terphenyl-d14	13.06	244	362654	80.80	ng	0.00
Target Compounds						
10) Phenol	6.58	94	23905	4.967	ng	81
50) Dimethylphthalate	9.69	163	60189	10.344	ng	99
71) Phenanthrene	11.50	178	122380	16.499	ng	98
72) Anthracene	11.56	178	33266	4.404	ng	96
75) Fluoranthene	12.70	202	198450	26.031	ng	99
78) Pyrene	12.93	202	169145	26.507	ng	98
81) Benzo(a)anthracene	14.13	228	70324	13.634	ng	98
83) Chrysene	14.16	228	58793	11.579	ng	97
86) Indeno(1,2,3-cd)pyrene	17.28	276	25976	7.127	ng	94
88) Benzo(b)fluoranthene	15.22	252	63908m	16.326	ng	
89) Benzo(k)fluoranthene	15.24	252	25486m	6.325	ng	
90) Benzo(a)pyrene	15.61	252	46428	12.742	ng	# 96
91) Dibenzo(a,h)anthracene	17.27	278	6859	2.281	ng	# 73
92) Benzo(g,h,i)perylene	17.77	276	28143	9.709	ng	# 88

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

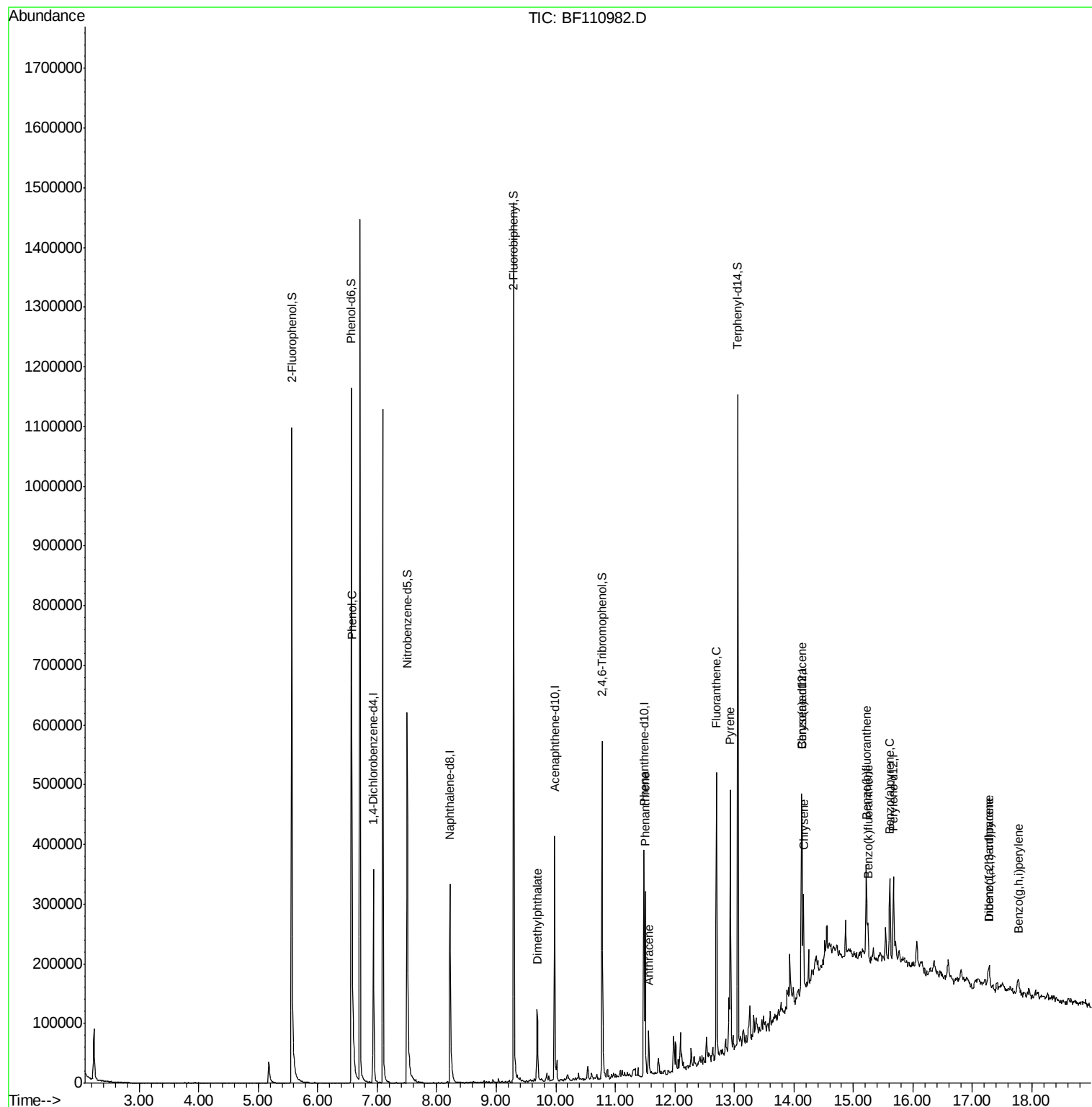
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
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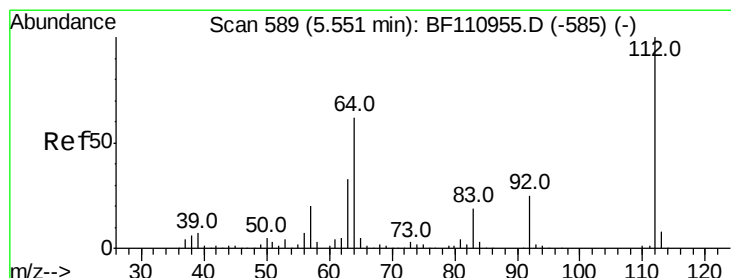
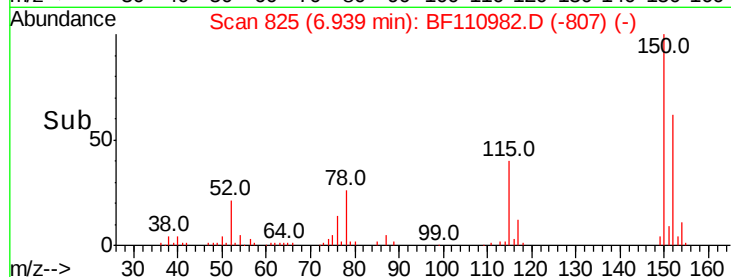
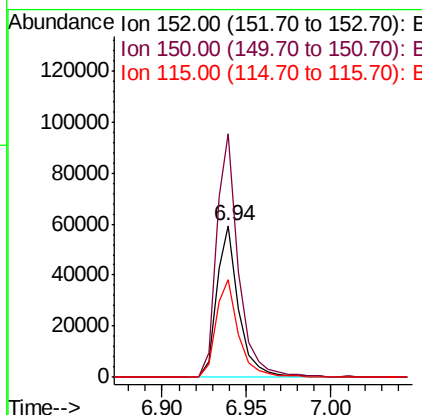
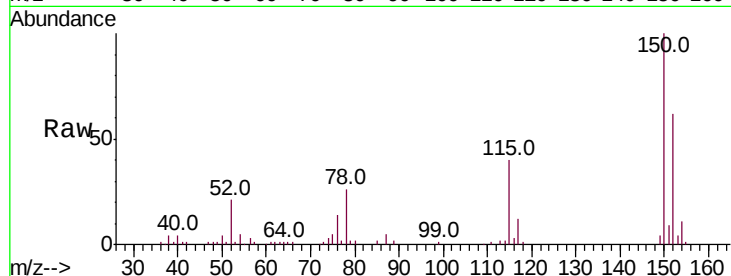
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF110982.D
 Acq: 26 Nov 2018 23:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	122.7	184.1
115	64.2	49.1	73.7

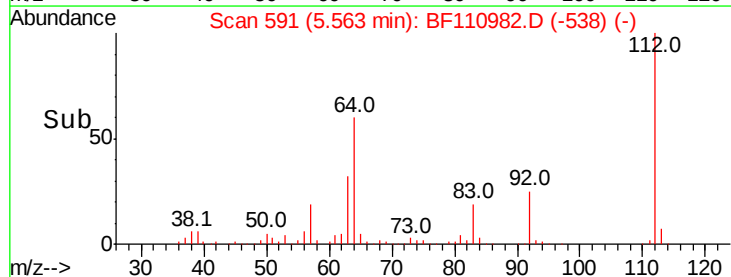
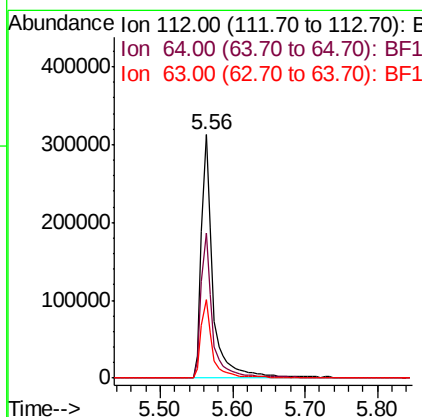
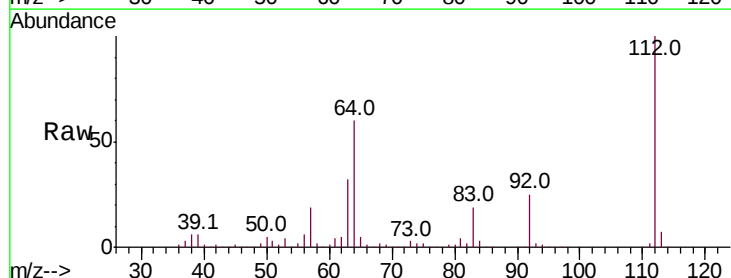
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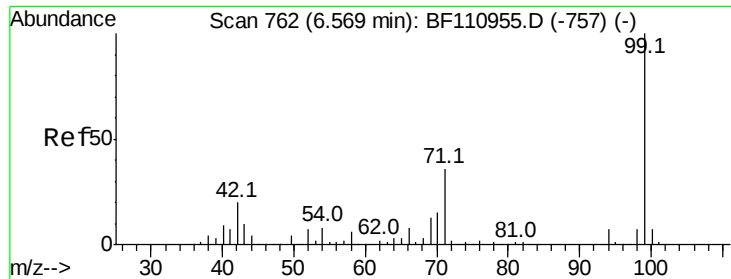
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#5
 2-Fluorophenol
 Concen: 106.335 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.01 min
 Lab File: BF110982.D
 Acq: 26 Nov 2018 23:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	44.1	66.1
63	32.3	23.7	35.5





#7

Phenol-d6

Concen: 99.720 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF110982.D

Acq: 26 Nov 2018 23:46

Instrument :

BNA_F

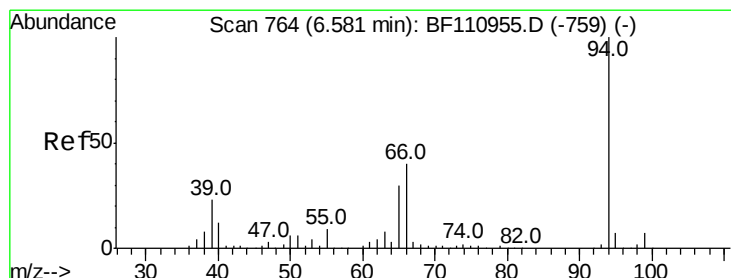
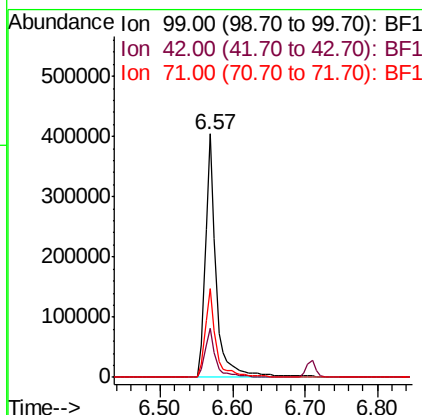
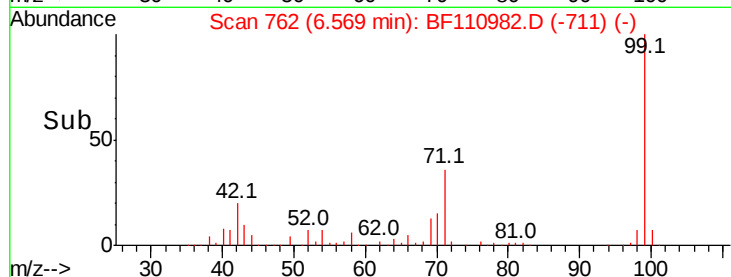
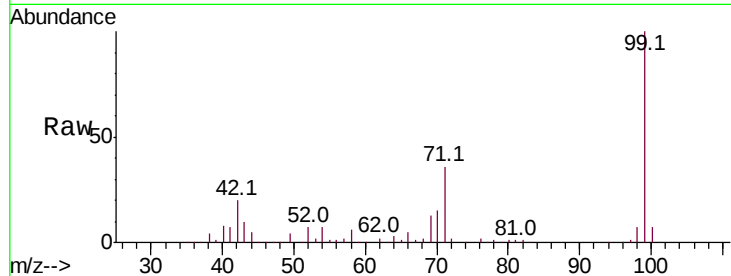
ClientSampled :

COMP-2

Tot Ion:	99	Resp:	426187
Ion	Ratio	Lower	Upper
99	100		
42	20.3	15.8	23.6
71	36.3	28.0	42.0

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#10

Phenol

Concen: 4.967 ng

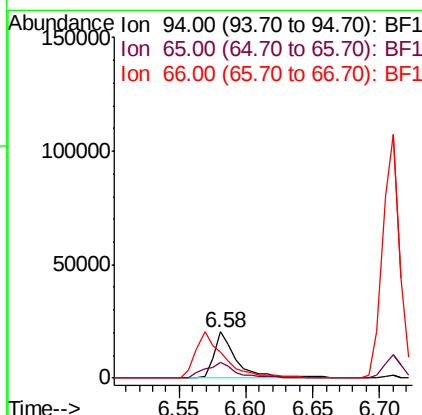
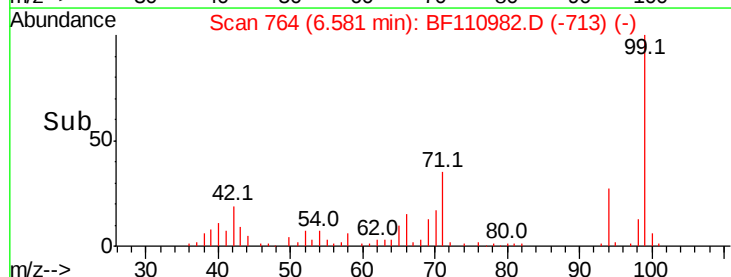
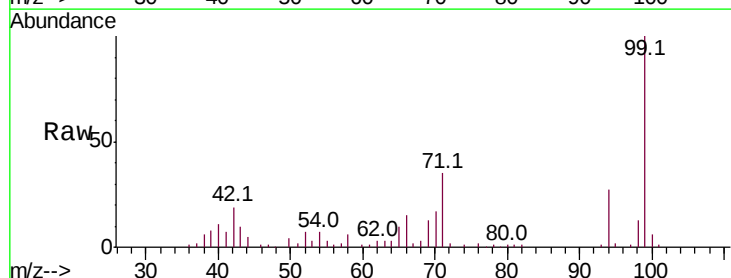
RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF110982.D

Acq: 26 Nov 2018 23:46

Tgt Ion:	94	Resp:	23905
Ion	Ratio	Lower	Upper
94	100		
65	35.5	25.3	65.3
66	56.3	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: BF110982.D

Acq: 26 Nov 2018 23:46

Instrument :

BNA_F

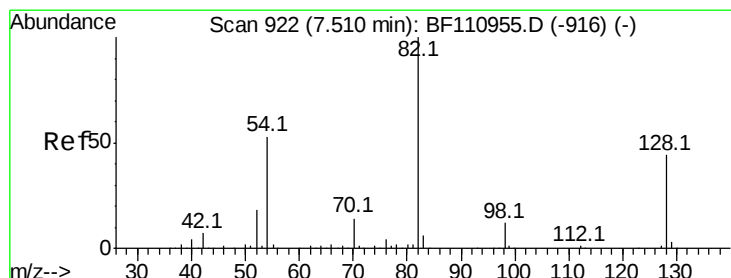
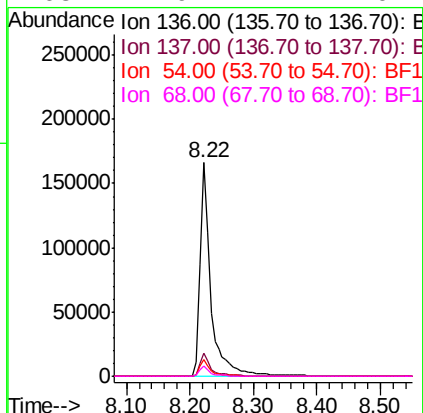
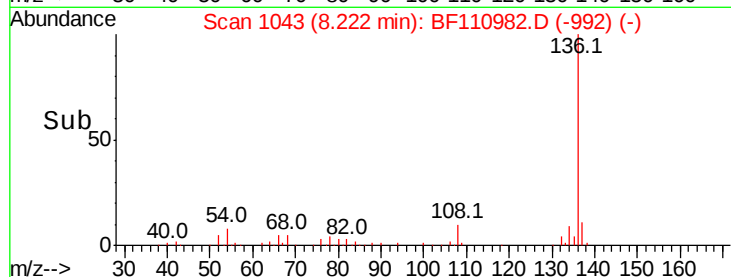
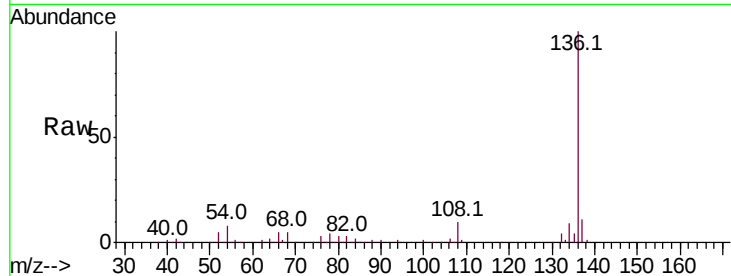
ClientSampleId :

COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.8	13.2	
54	7.8	5.4	8.2	
68	4.9	4.2	6.2	

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#23

Nitrobenzene-d5

Concen: 71.076 ng

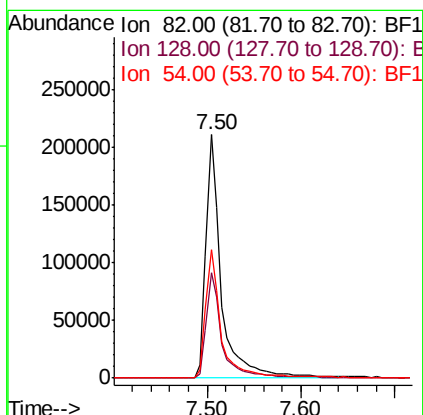
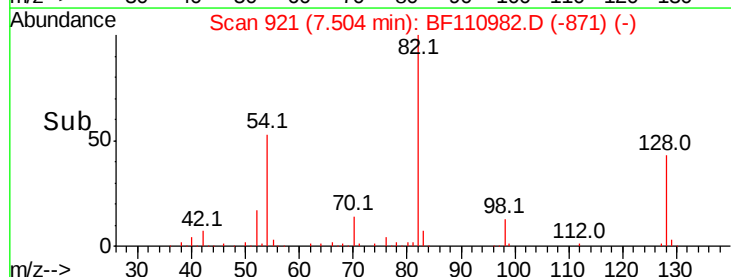
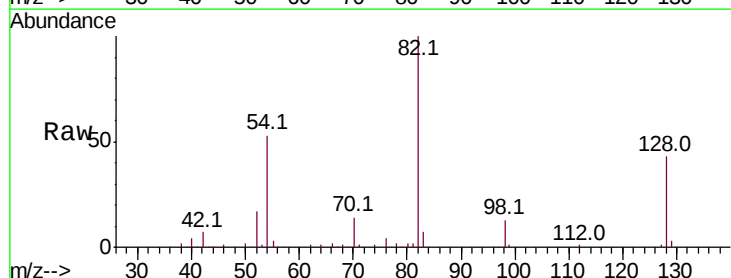
RT: 7.50 min Scan# 921

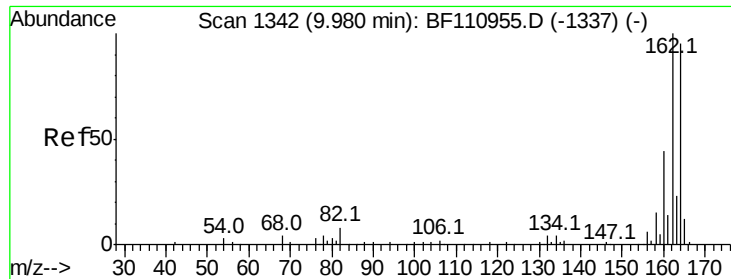
Delta R.T. -0.01 min

Lab File: BF110982.D

Acq: 26 Nov 2018 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.2	34.2	51.2	
54	53.0	38.6	58.0	





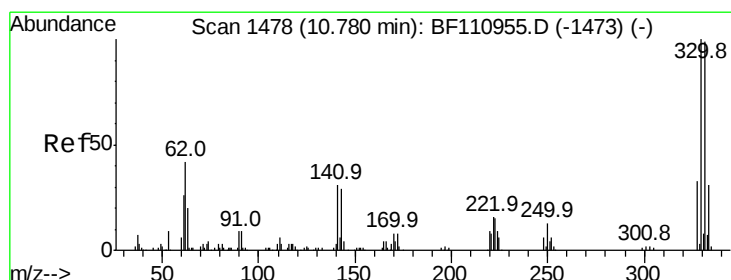
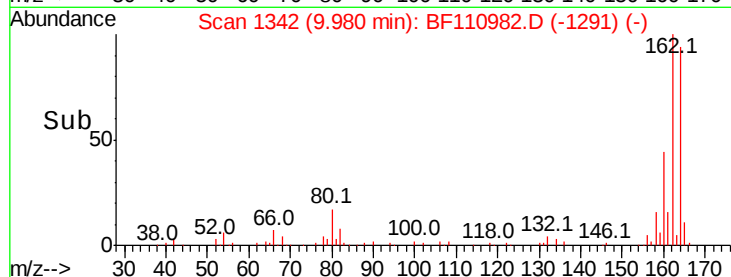
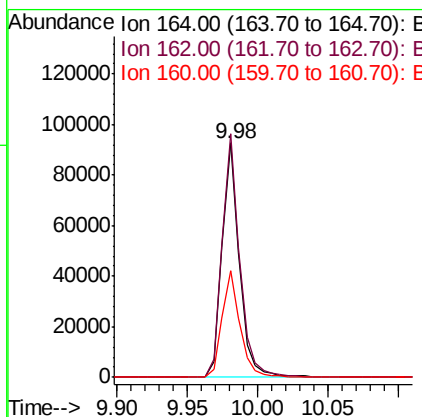
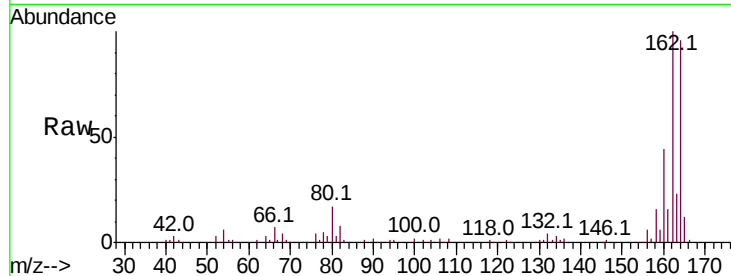
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF110982.D
Acq: 26 Nov 2018 23:46

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.0	124.6
160	45.7	37.0	55.6

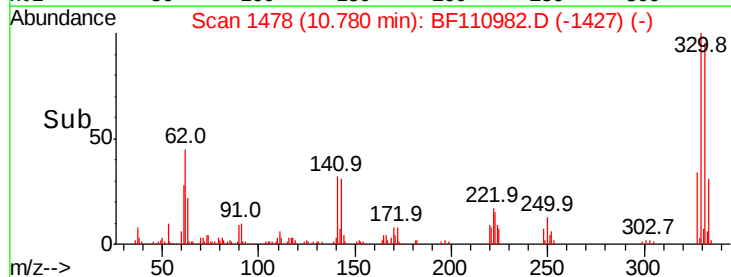
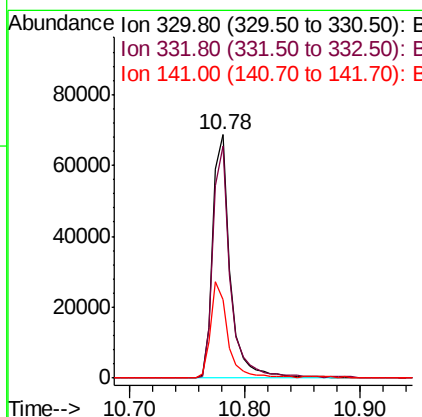
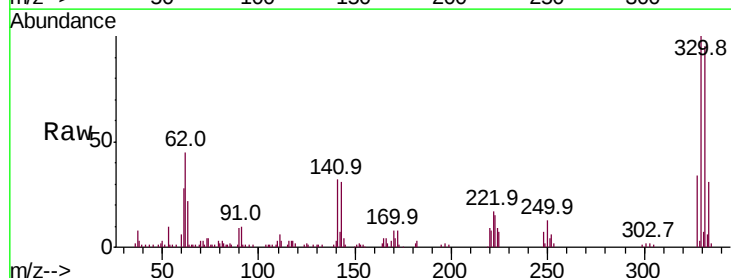
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#42
2,4,6-Tribromophenol
Concen: 91.660 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.00 min
Lab File: BF110982.D
Acq: 26 Nov 2018 23:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.1	115.7
141	39.0	27.0	40.4





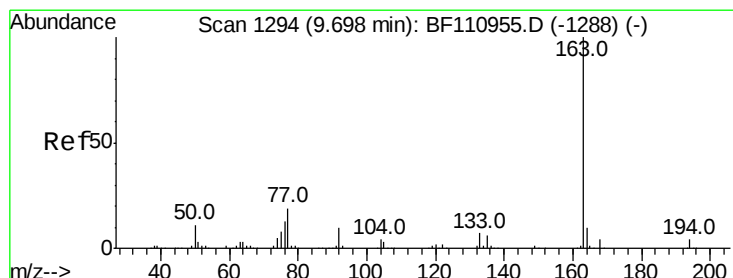
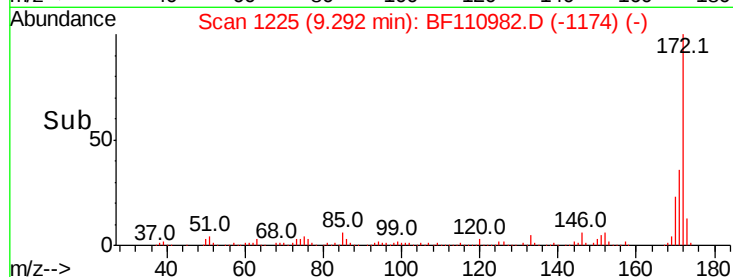
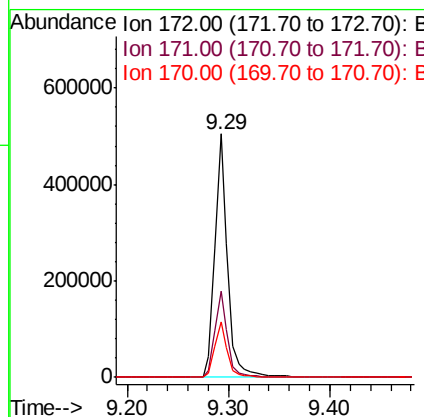
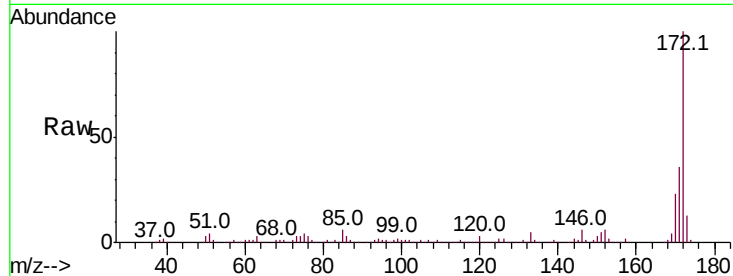
#45
2-Fluorobiphenyl
Concen: 80.446 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF110982.D
Acq: 26 Nov 2018 23:46

Instrument :
BNA_F
ClientSampleId :
COMP-2

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

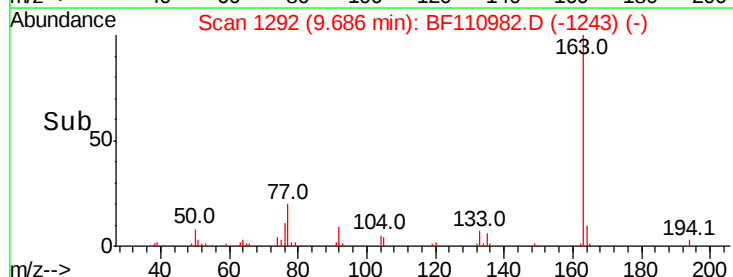
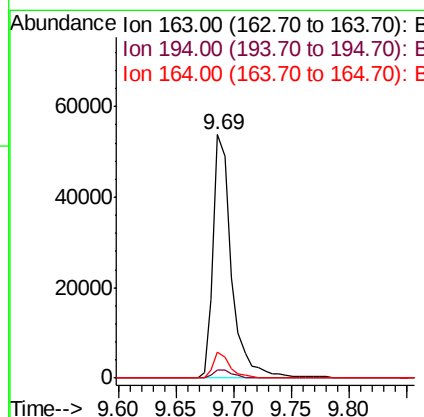
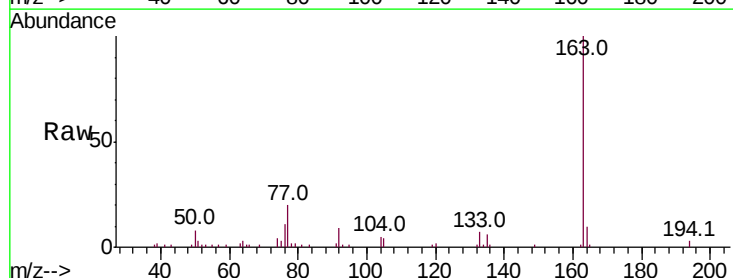
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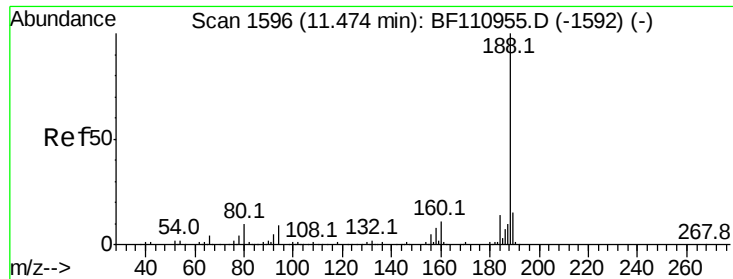
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#50
Dimethylphthalate
Concen: 10.344 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF110982.D
Acq: 26 Nov 2018 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	3.2	4.8	
164	10.4	8.1	12.1	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF110982.D

Acq: 26 Nov 2018 23:46

Instrument :

BNA_F

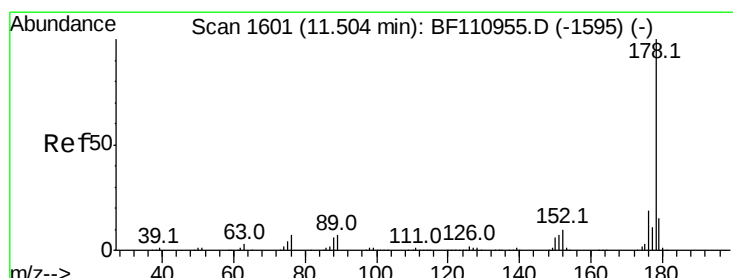
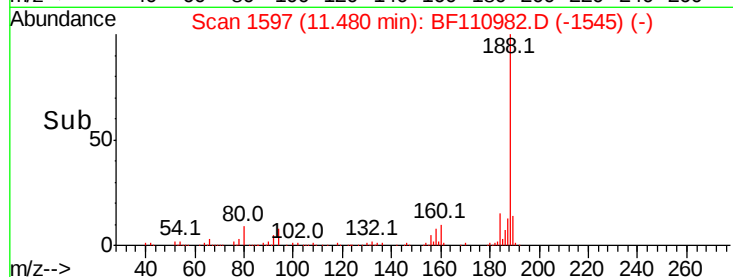
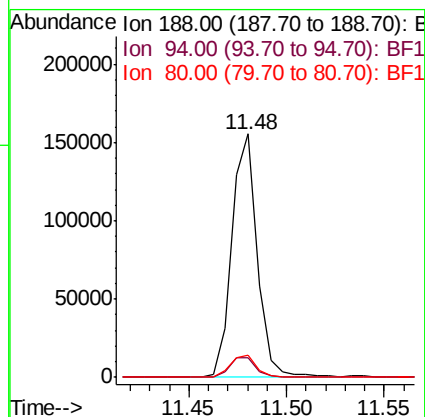
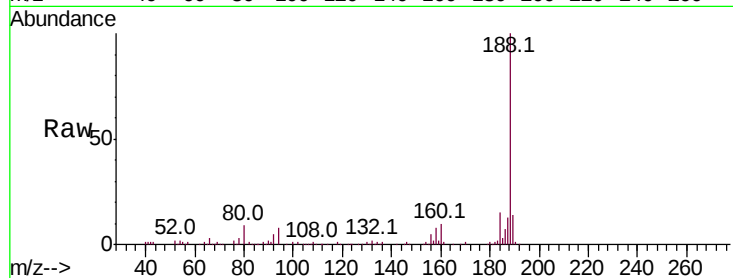
ClientSampleId :

COMP-2

Tot Ion:	188	Resp:	140052
Ion Ratio	Lower	Upper	
188	100		
94	7.9	7.2	10.8
80	9.0	7.9	11.9

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#71

Phenanthrene

Concen: 16.499 ng

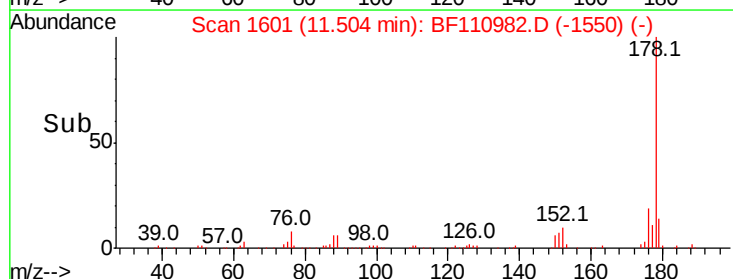
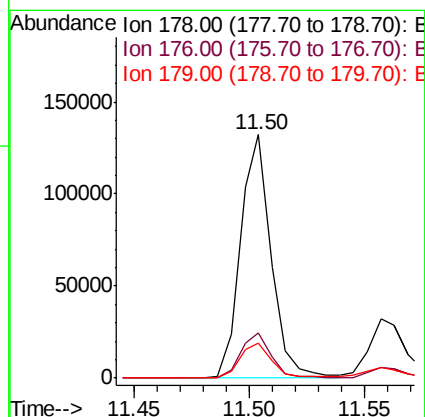
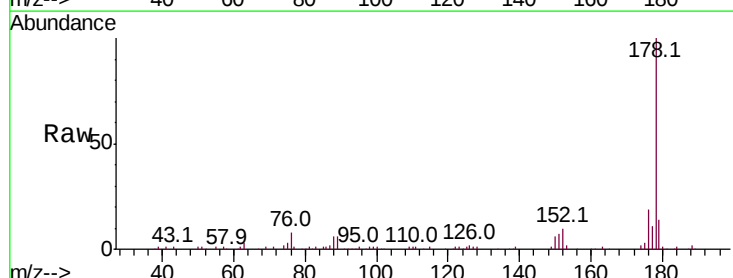
RT: 11.50 min Scan# 1601

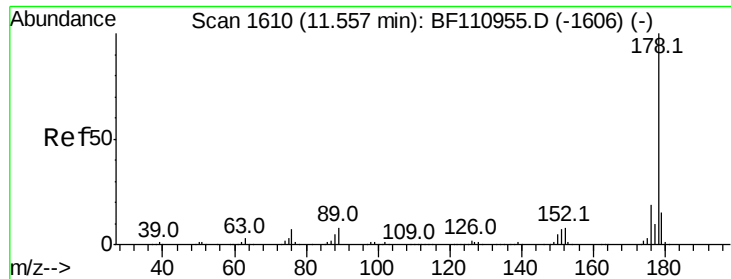
Delta R.T. -0.00 min

Lab File: BF110982.D

Acq: 26 Nov 2018 23:46

Tgt Ion:	178	Resp:	122380
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.5	23.3
179	14.1	12.5	18.7





#72

Anthracene

Concen: 4.404 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BF110982.D

Acq: 26 Nov 2018 23:46

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tot Ion:178 Resp: 33266

Ion Ratio Lower Upper

178 100

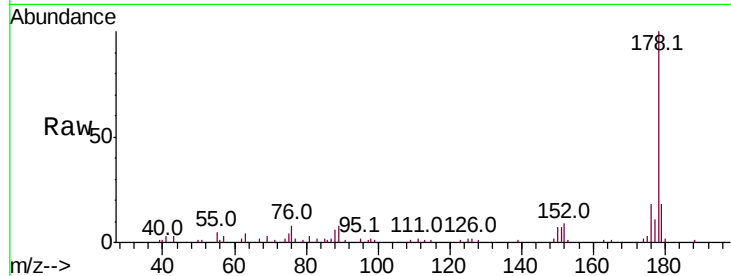
176 18.3 15.4 23.2

179 18.0 12.6 18.8

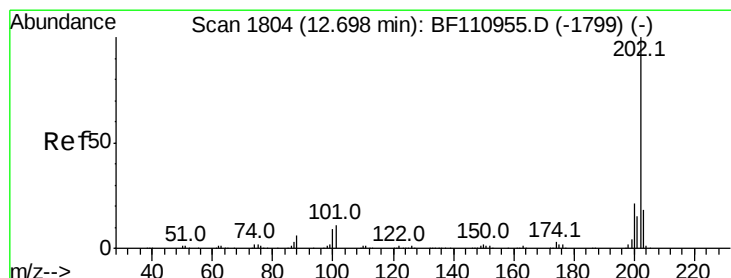
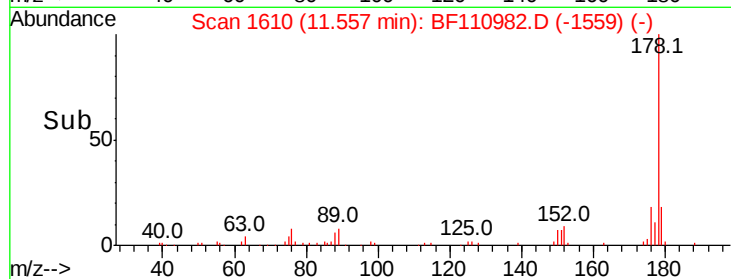
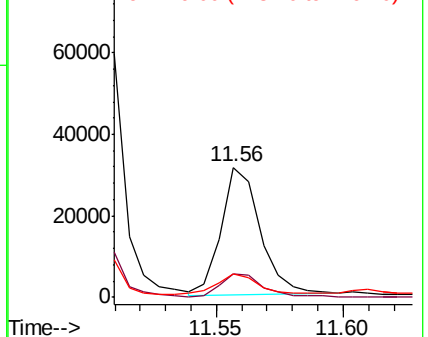
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 26.031 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF110982.D

Acq: 26 Nov 2018 23:46

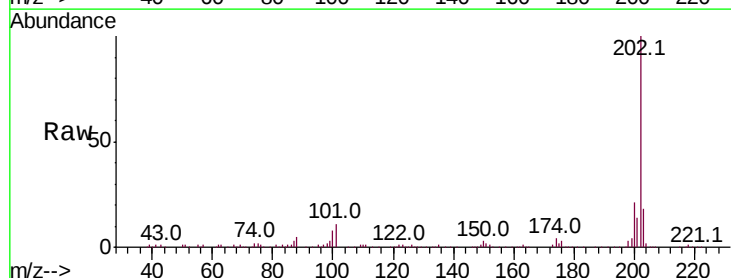
Tgt Ion:202 Resp: 198450

Ion Ratio Lower Upper

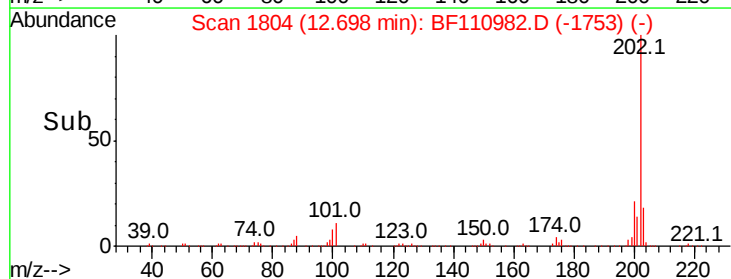
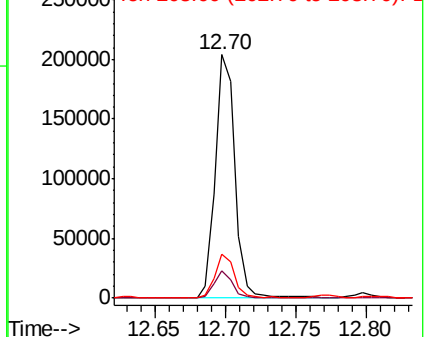
202 100

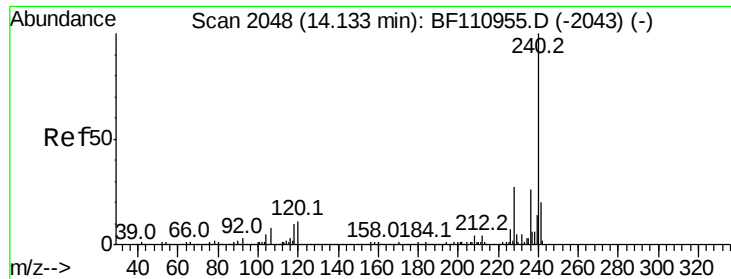
101 11.1 0.0 31.4

203 18.0 0.0 37.7



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





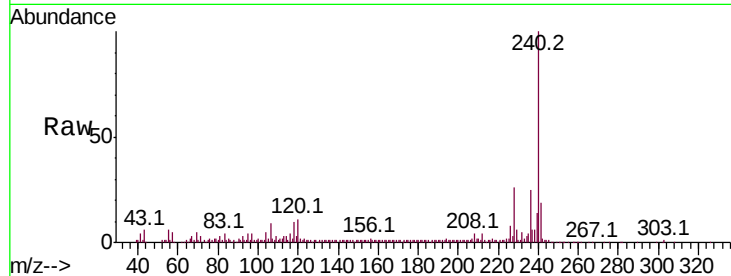
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.00 min
Lab File: BF110982.D
Acq: 26 Nov 2018 23:46

Instrument :
BNA_F
ClientSampleId :
COMP-2

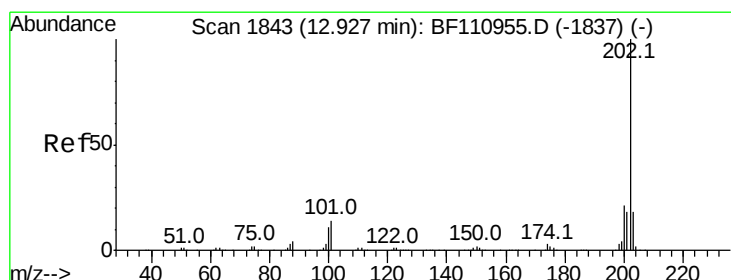
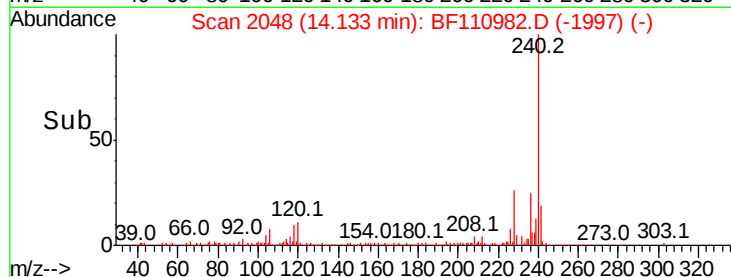
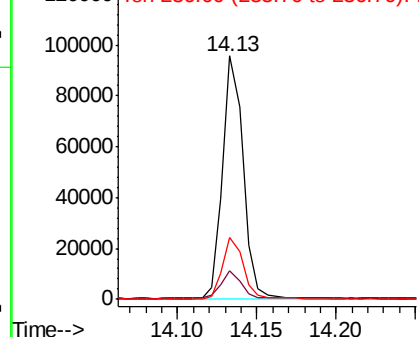
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.3	12.5
236	25.2	21.2	31.8

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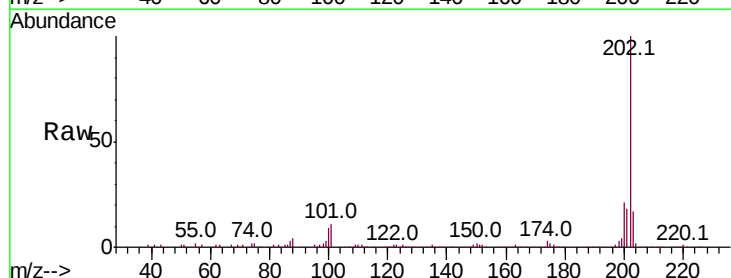


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

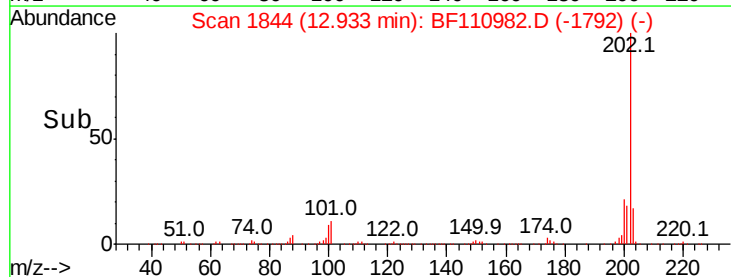
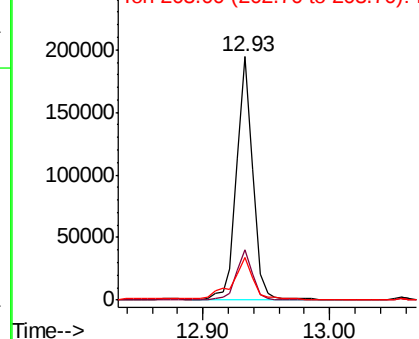


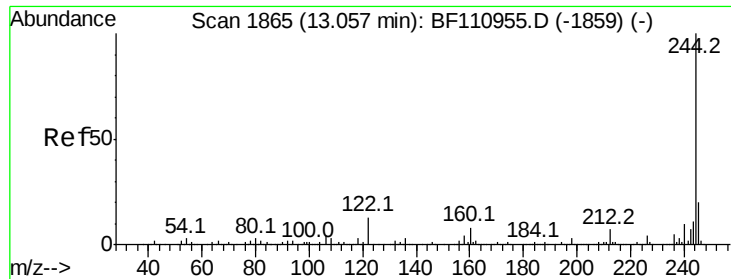
#78
Pyrene
Concen: 26.507 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.01 min
Lab File: BF110982.D
Acq: 26 Nov 2018 23:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.8	26.6
203	17.5	14.2	21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





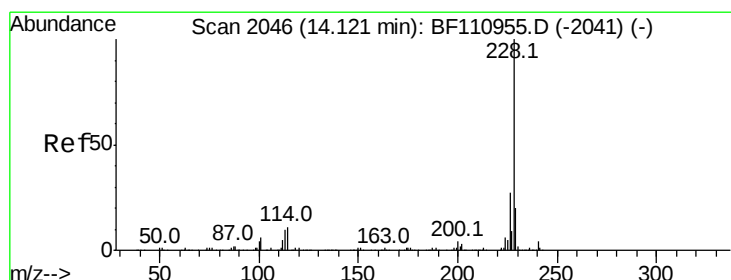
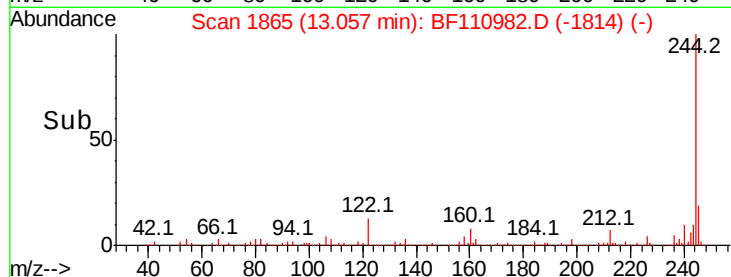
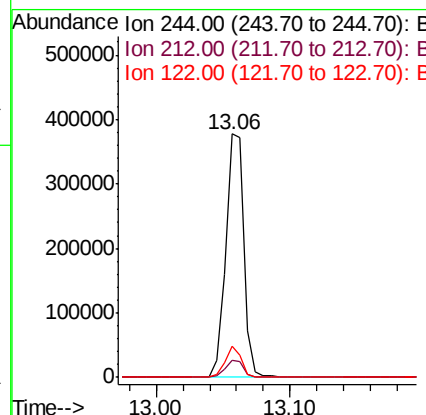
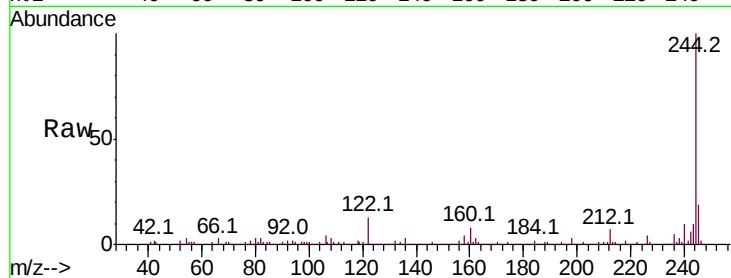
#79
 Terphenyl-d14
 Concen: 80.802 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: BF110982.D
 Acq: 26 Nov 2018 23:46

Instrument :
 BNA_F
 ClientSampled :
 COMP-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.7	8.7	13.1

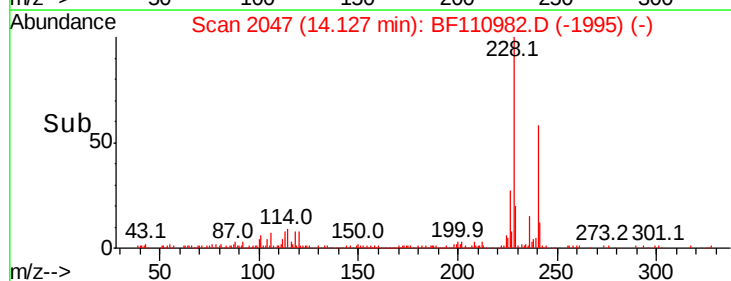
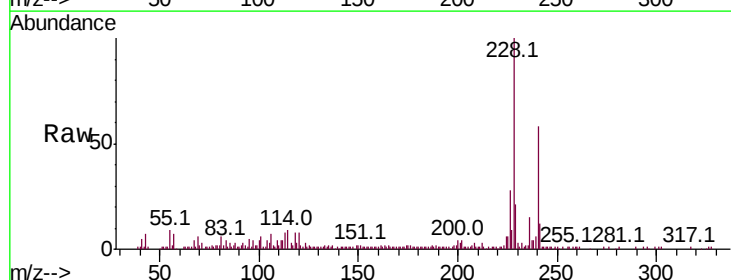
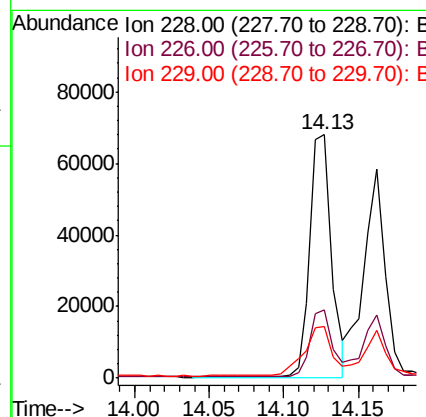
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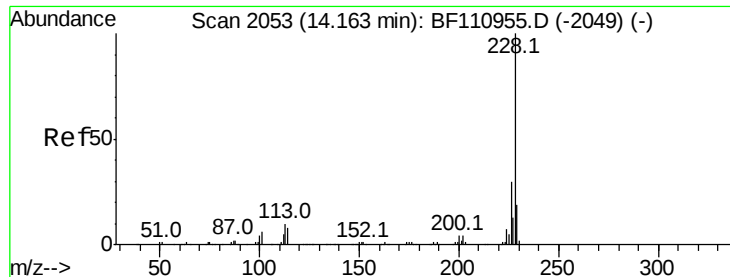
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#81
 Benzo(a)anthracene
 Concen: 13.634 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. 0.01 min
 Lab File: BF110982.D
 Acq: 26 Nov 2018 23:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.1	33.1
229	21.3	15.6	23.4





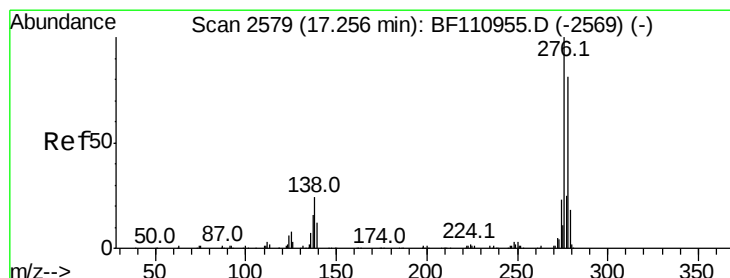
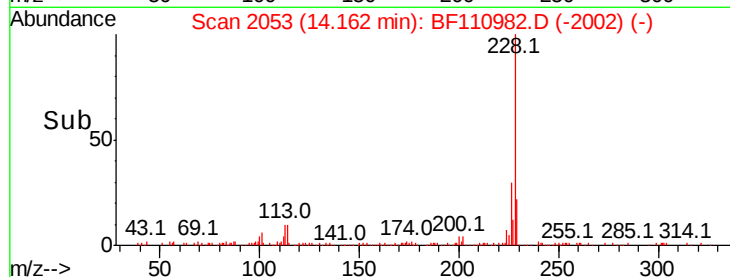
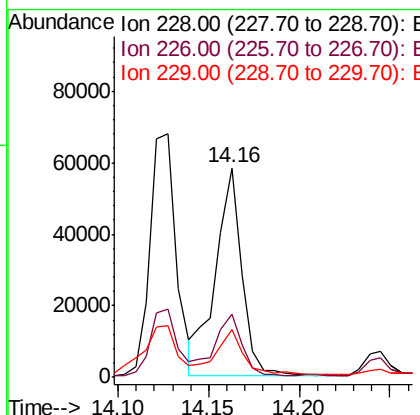
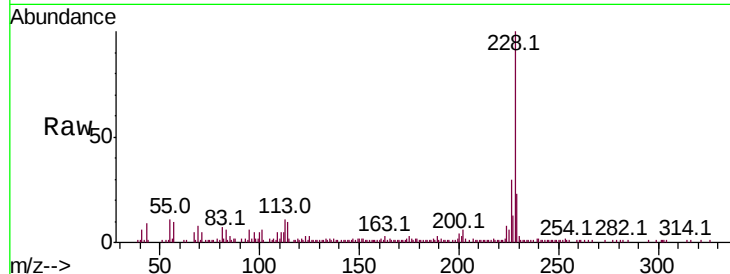
#83
Chrysene
Concen: 11.579 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BF110982.D
Acq: 26 Nov 2018 23:46

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.7	37.1
229	22.9	15.9	23.9

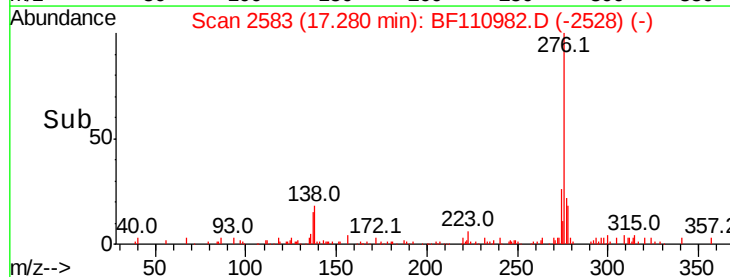
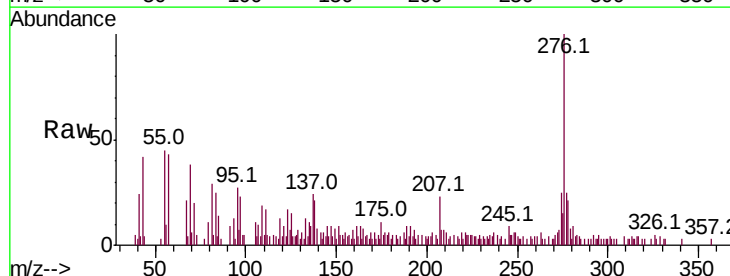
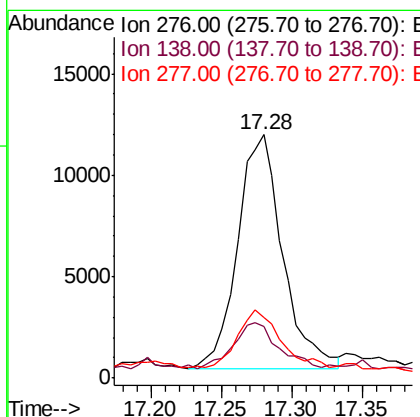
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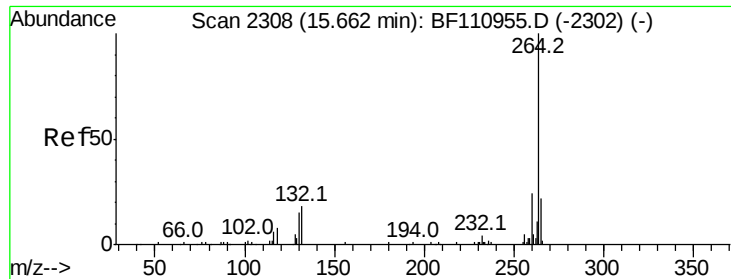
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.127 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.02 min
Lab File: BF110982.D
Acq: 26 Nov 2018 23:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	18.5	27.7
277	22.6	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF110982.D

Acq: 26 Nov 2018 23:46

Instrument :

BNA_F

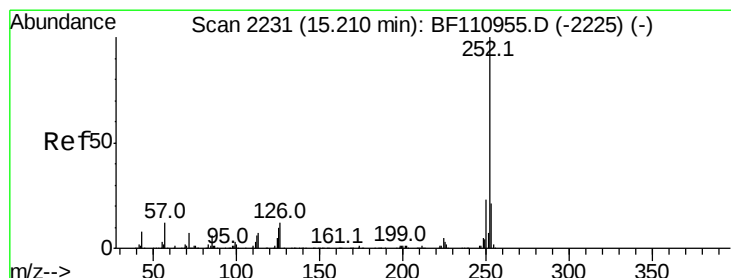
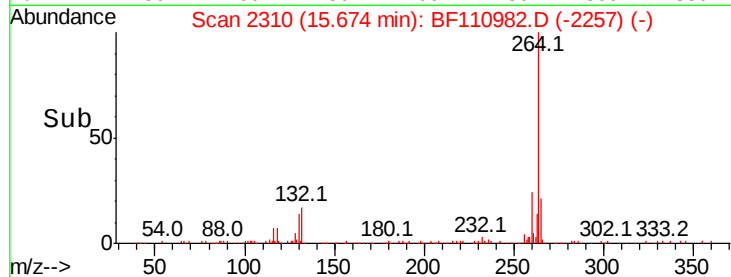
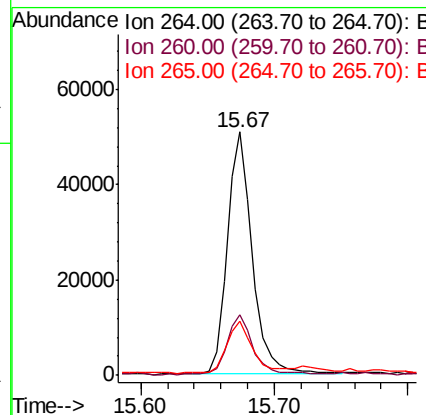
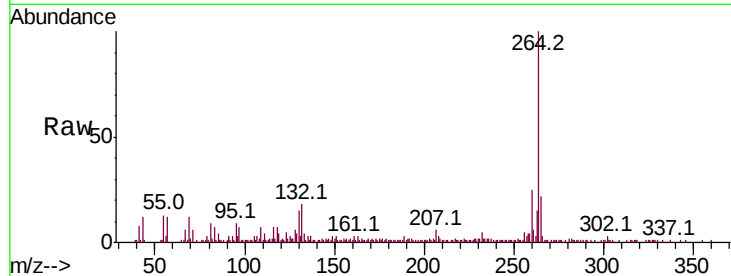
ClientSampleId :

COMP-2

Tot Ion:	264	Resp:	66635
Ion Ratio	Lower	Upper	
264	100		
260	25.1	18.7	28.1
265	22.1	16.7	25.1

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#88

Benzo(b)fluoranthene

Concen: 16.326 ng m

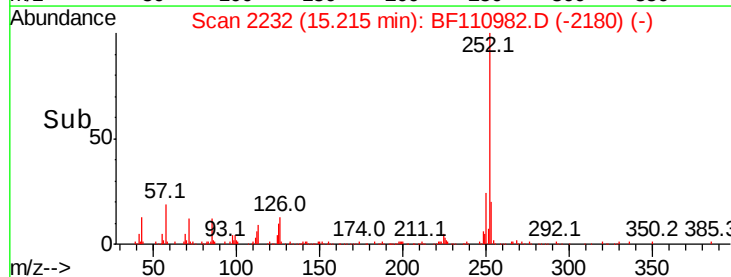
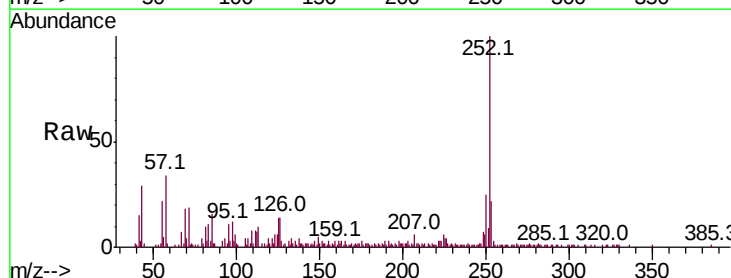
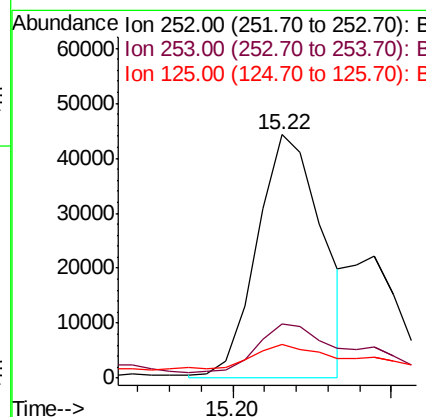
RT: 15.22 min Scan# 2232

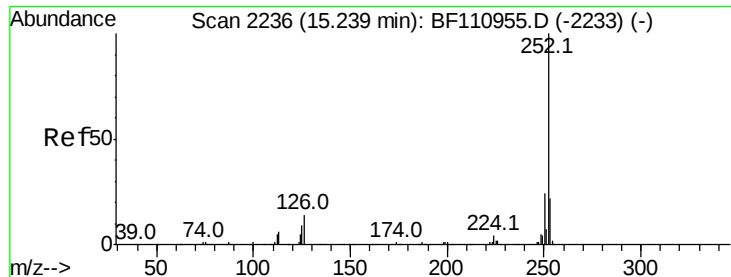
Delta R.T. 0.01 min

Lab File: BF110982.D

Acq: 26 Nov 2018 23:46

Tgt Ion:	252	Resp:	63908
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.2	25.8
125	13.9	8.2	12.4#





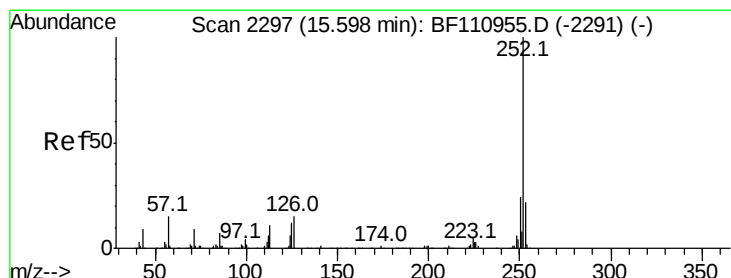
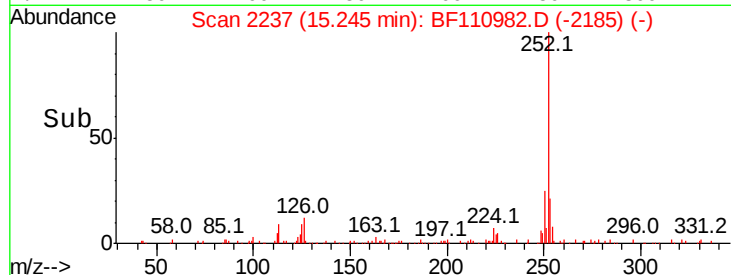
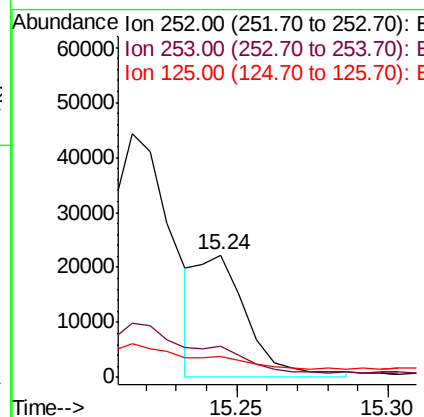
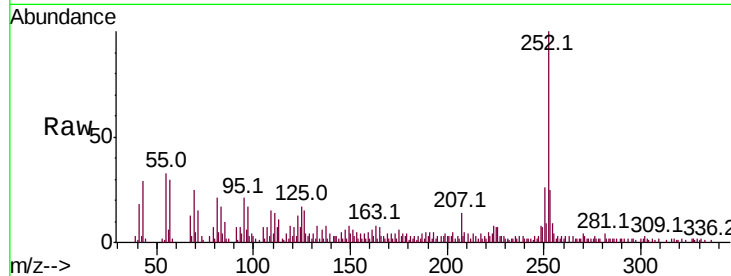
#89
Benzo(k)fluoranthene
Concen: 6.325 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF110982.D
Acq: 26 Nov 2018 23:46

Instrument :
BNA_F
ClientSampled :
COMP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.2	25.8
125	17.4	7.4	11.0

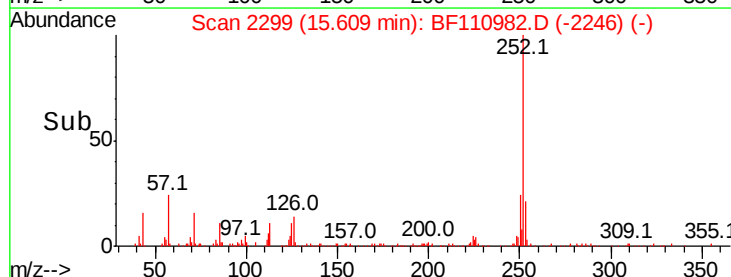
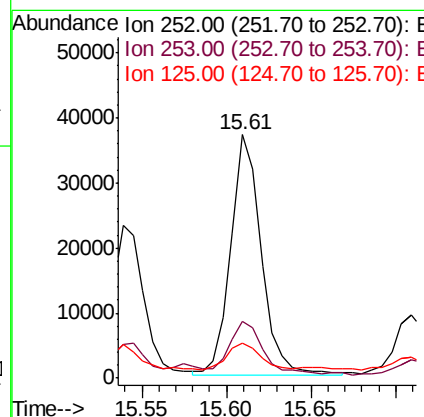
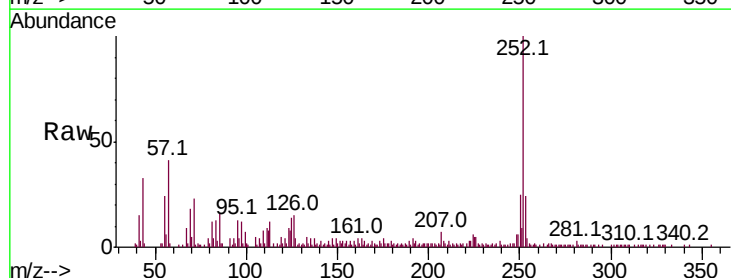
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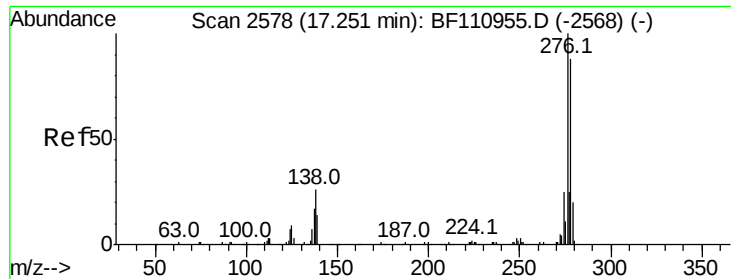
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#90
Benzo(a)pyrene
Concen: 12.742 ng
RT: 15.61 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BF110982.D
Acq: 26 Nov 2018 23:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	14.4	9.0	13.6





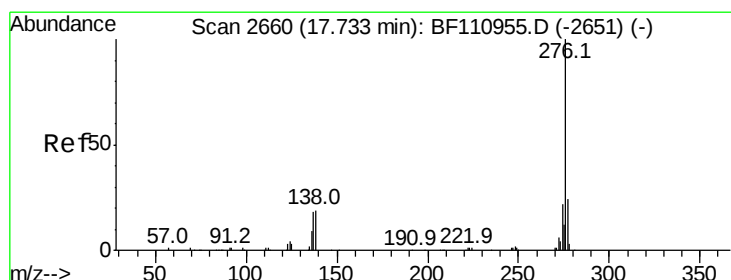
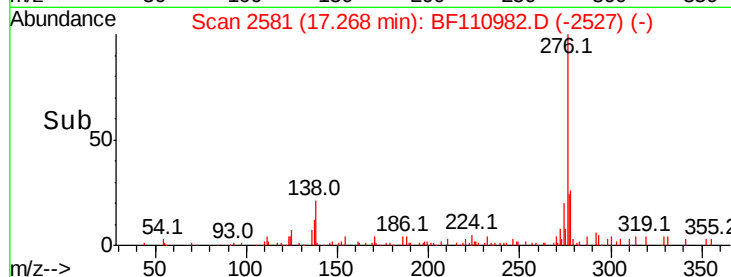
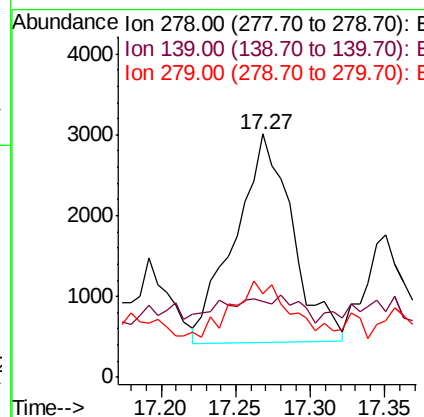
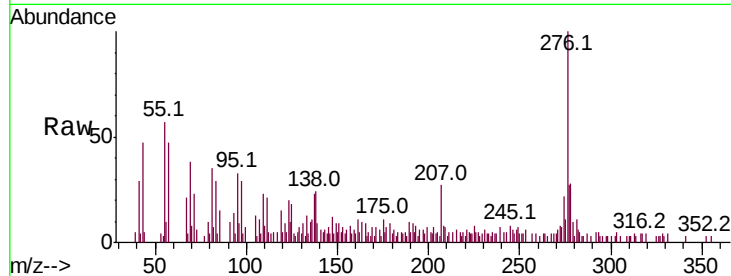
#91
Dibenzo(a,h)anthracene
Concen: 2.281 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.02 min
Lab File: BF110982.D
Acq: 26 Nov 2018 23:46

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.0	12.7	19.1#
279	34.1	19.0	28.4#

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#92
Benzo(g,h,i)perylene
Concen: 9.709 ng
RT: 17.77 min Scan# 2666
Delta R.T. 0.04 min
Lab File: BF110982.D
Acq: 26 Nov 2018 23:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.4	18.8	28.2#
138	25.2	16.0	24.0#

