

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108294.D
 Acq On : 20 Aug 2018 17:10
 Operator : JU/SJ
 Sample : J4521-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11975

Manual Integrations
 APPROVED

Sohil
 8/21/2018 1:42:46 PM

Quant Time: Aug 21 08:44:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	188000	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	702564	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	322540	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	520249	20.00	ng	0.00
75) Chrysene-d12	14.22	240	360649	20.00	ng	0.00
86) Perylene-d12	15.79	264	330330	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	809438	77.95	ng	0.01
7) Phenol-d6	6.64	99	1074510	77.87	ng	0.00
23) Nitrobenzene-d5	7.58	82	700344	55.63	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	235883	73.32	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1214028	60.43	ng	0.00
78) Terphenyl-d14	13.14	244	940960	66.34	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	71126	3.166	ng	Qvalue # 98
51) Acenaphthene	10.09	154	74904	4.116	ng	94
57) Fluorene	10.61	166	109359	5.239	ng	100
70) Phenanthrene	11.59	178	1510869	61.572	ng	99
71) Anthracene	11.64	178	639627	25.432	ng	99
74) Fluoranthene	12.79	202	3392903	126.693	ng	94
77) Pyrene	13.02	202	3258481	142.710	ng	93
80) Benzo(a)anthracene	14.21	228	2058631	99.462	ng	96
82) Chrysene	14.25	228	1690063m	89.066	ng	
85) Indeno(1,2,3-cd)pyrene	17.42	276	701103	42.643	ng	# 88
87) Benzo(b)fluoranthene	15.32	252	2055138m	104.118	ng	
88) Benzo(k)fluoranthene	15.35	252	703006m	38.745	ng	
89) Benzo(a)pyrene	15.73	252	1492001m	84.411	ng	
90) Dibenzo(a,h)anthracene	17.42	278	197609	13.512	ng	93
91) Benzo(a,h,i)perylene	17.92	276	616429	42.806	ng	# 89

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

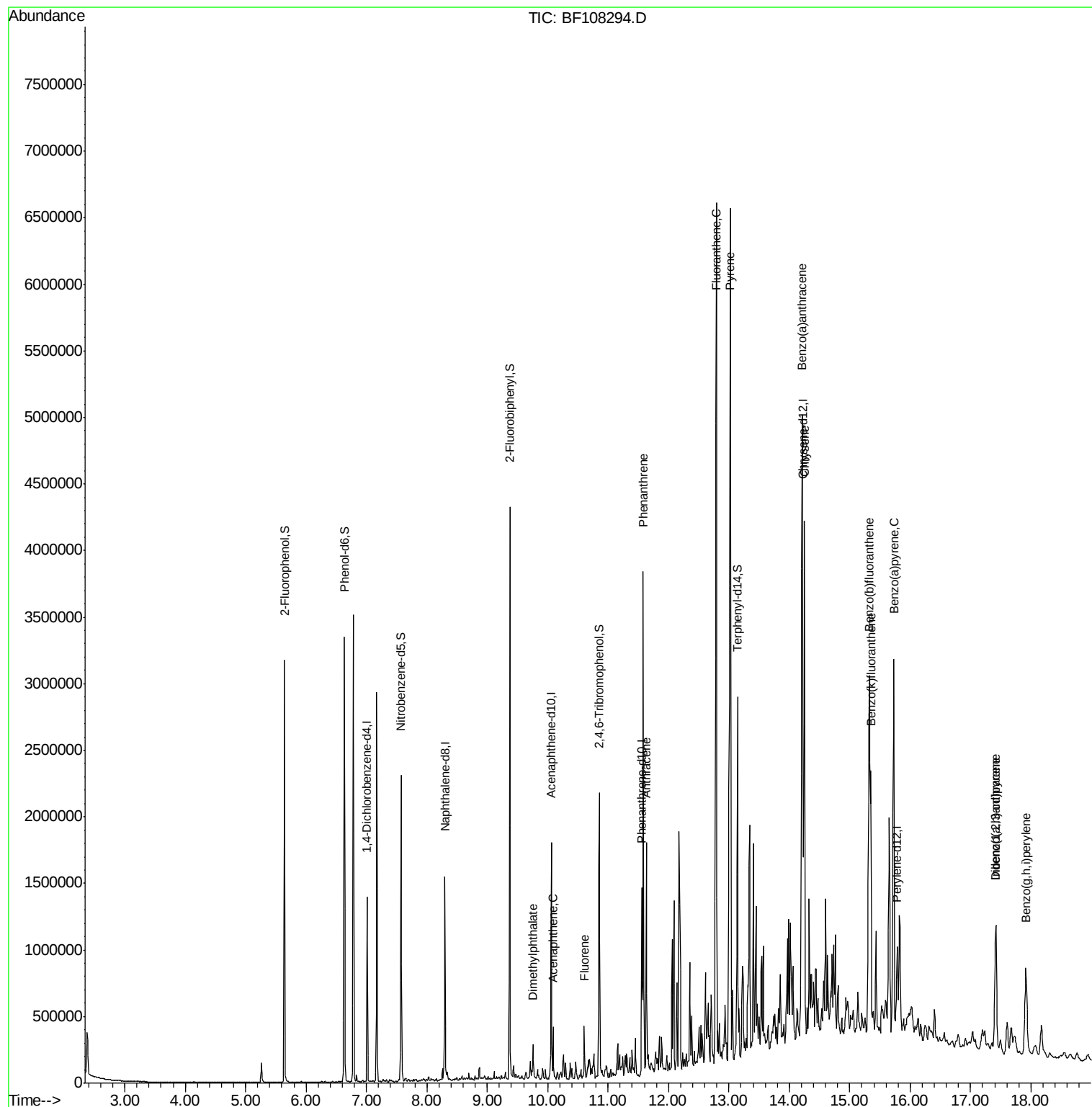
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#1

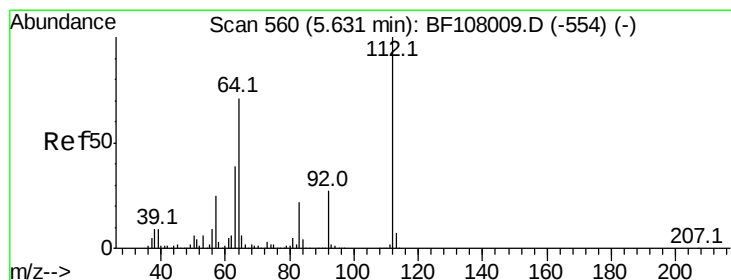
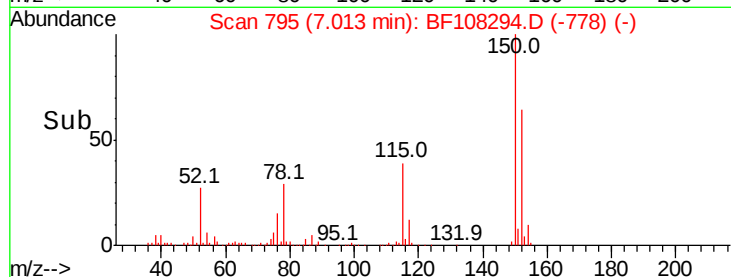
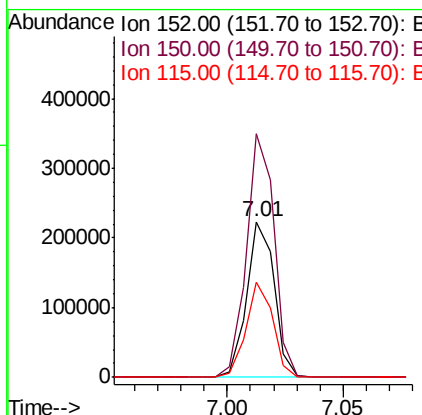
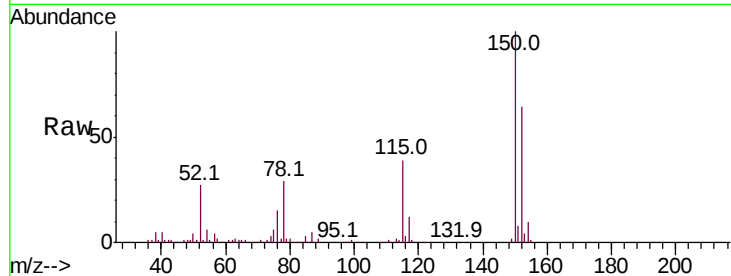
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Instrument :
BNA_F
ClientSampleId :
72-11975

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	60.9	50.1	75.1

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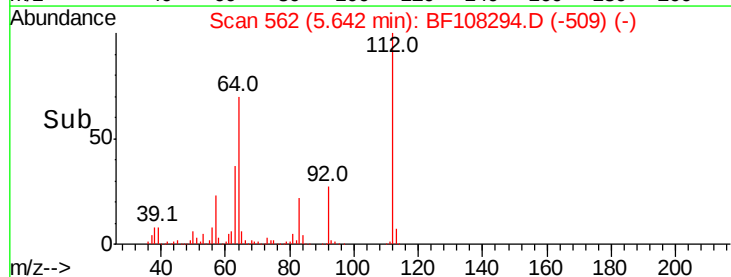
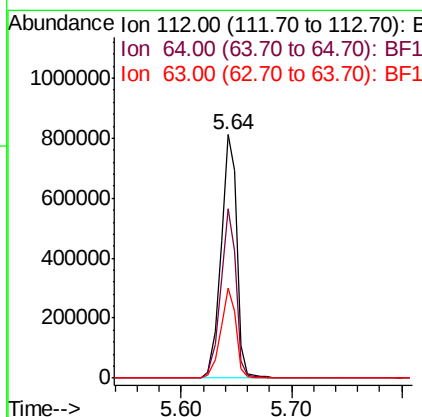
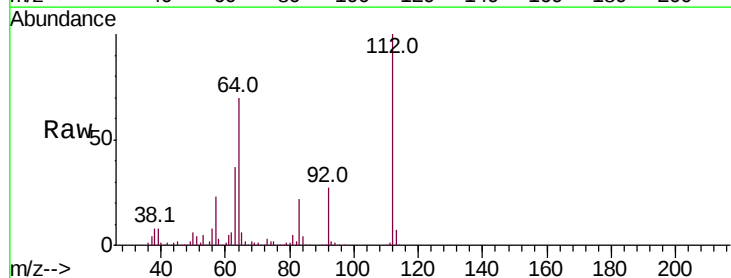
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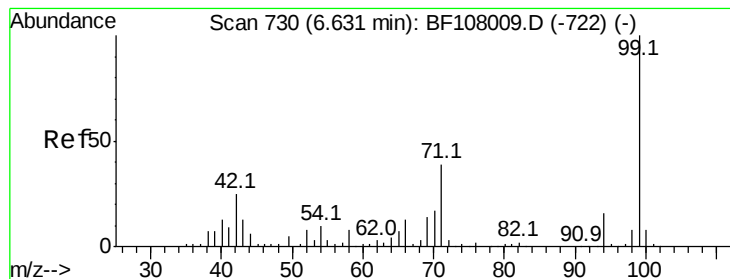


#5

2-Fluorophenol
Concen: 77.950 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.7	47.9	71.9
63	37.0	23.7	35.5





#7

Phenol-d6

Concen: 77.868 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108294.D

Acq: 20 Aug 2018 17:10

Instrument :

BNA_F

ClientSampled :

72-11975

Tot Ion: 99 Resp: 1074510

Ion Ratio Lower Upper

99 100

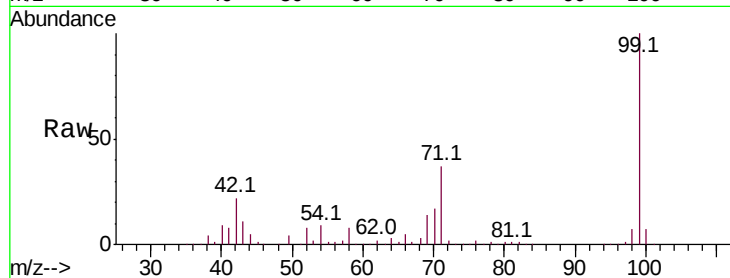
42 22.2 14.5 21.7#

71 37.3 25.4 38.0

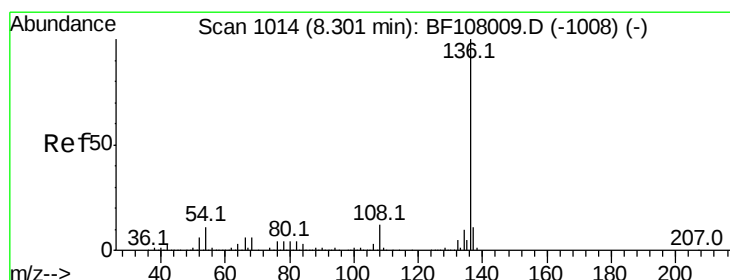
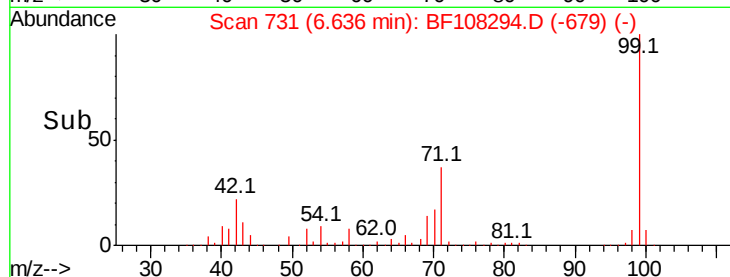
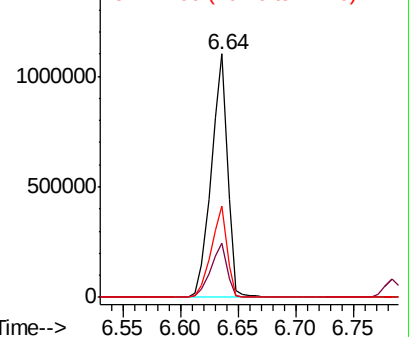
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Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108294.D

Acq: 20 Aug 2018 17:10

Tgt Ion: 136 Resp: 702564

Ion Ratio Lower Upper

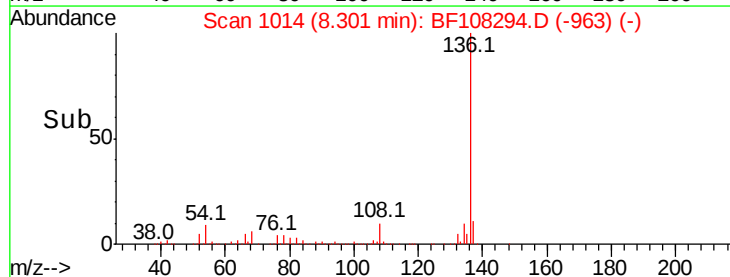
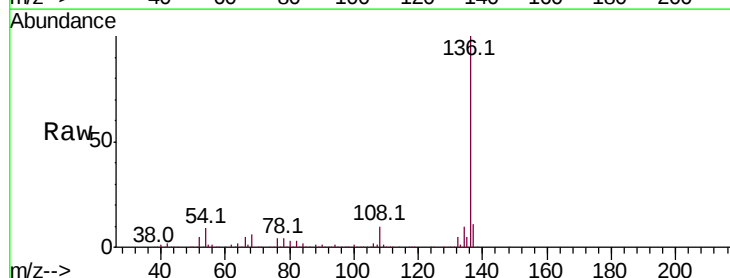
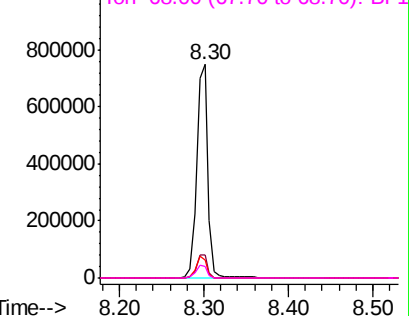
136 100

137 11.1 8.9 13.3

54 8.5 6.6 9.8

68 5.6 5.0 7.4

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





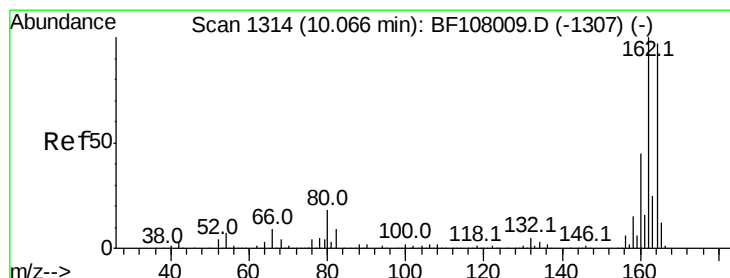
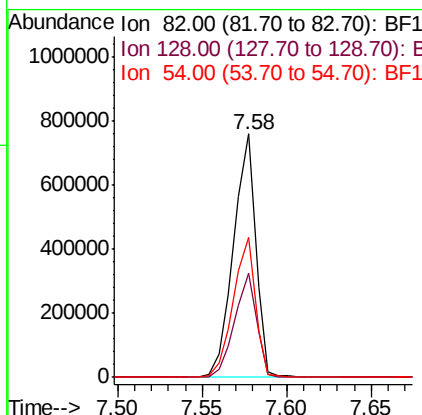
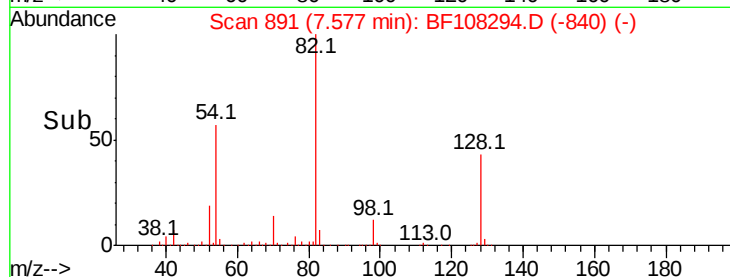
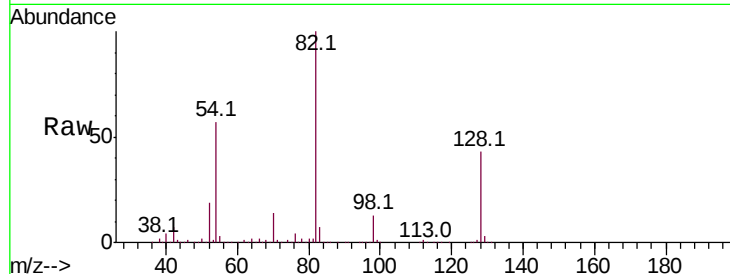
#23
Nitrobenzene-d5
Concen: 55.625 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.00 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Instrument :
BNA_F
ClientSampled :
72-11975

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.1	54.1
54	57.5	41.4	62.2

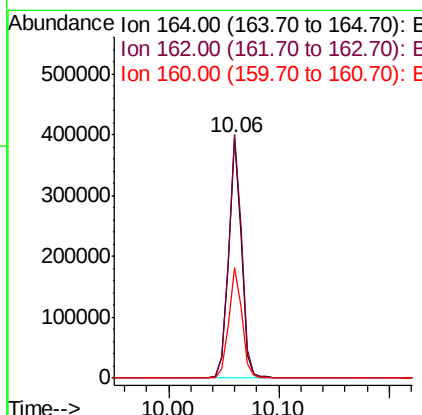
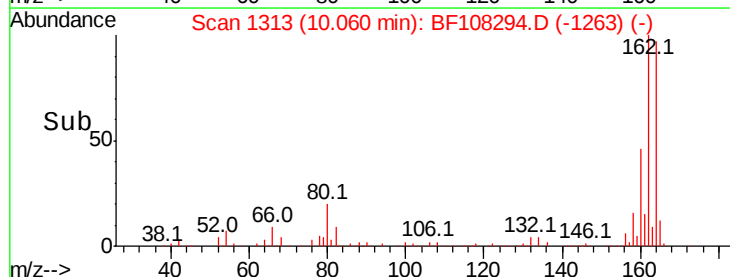
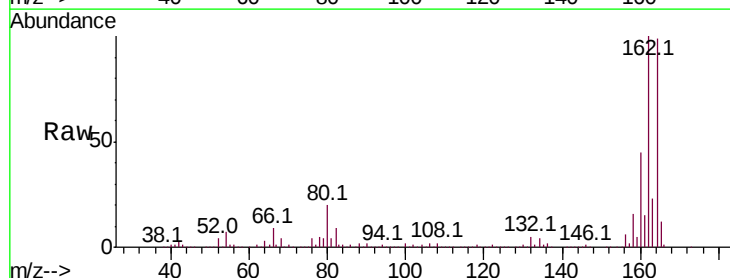
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	86.1	129.1
160	46.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 73.318 ng

RT: 10.85 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF108294.D

Acq: 20 Aug 2018 17:10

Instrument :

BNA_F

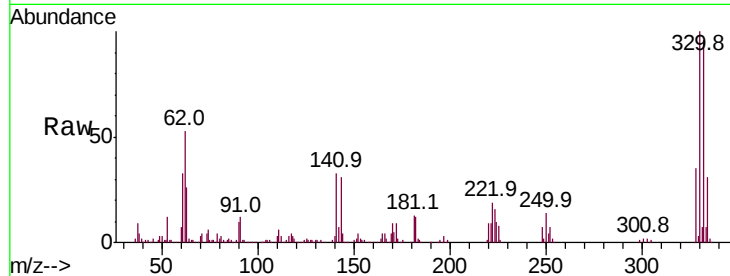
ClientSampleId :

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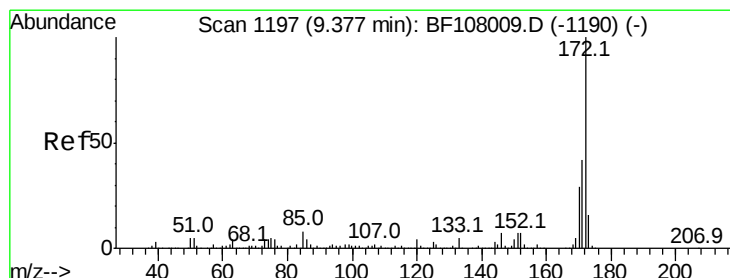
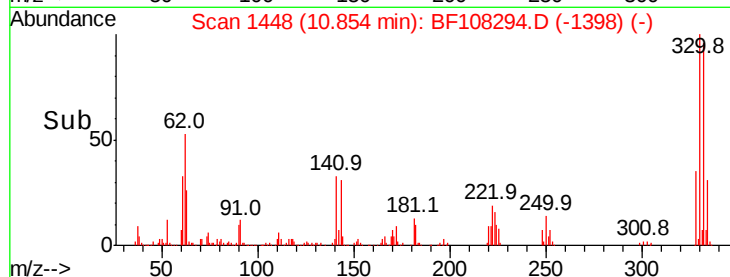
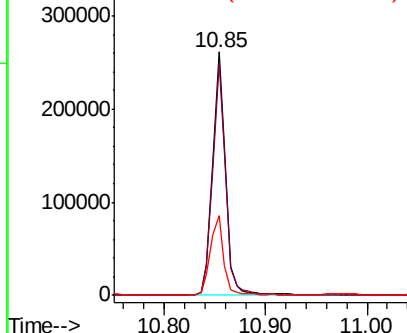
Tot Ion:	330	Resp:	235883
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.0	115.6
141	33.2	29.9	44.9

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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



#44

2-Fluorobiphenyl

Concen: 60.429 ng

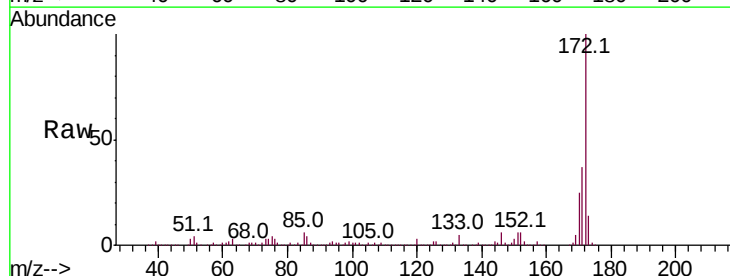
RT: 9.37 min Scan# 1196

Delta R.T. -0.01 min

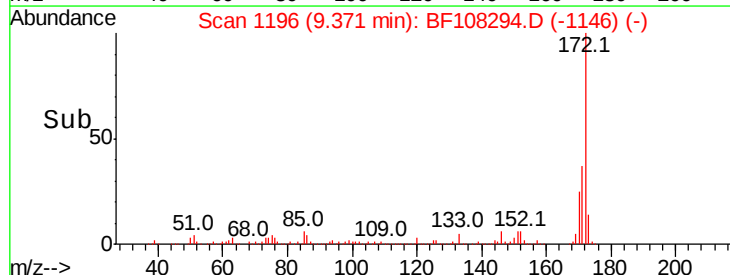
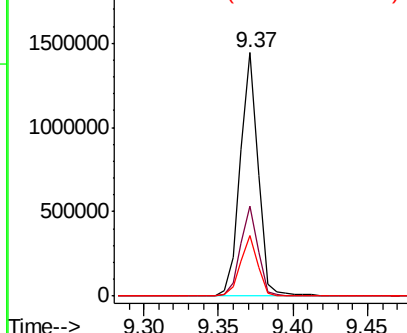
Lab File: BF108294.D

Acq: 20 Aug 2018 17:10

Tgt Ion:	172	Resp:	1214028
Ion Ratio	Lower	Upper	
172	100		
171	37.2	29.7	44.5
170	24.9	19.6	29.4



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





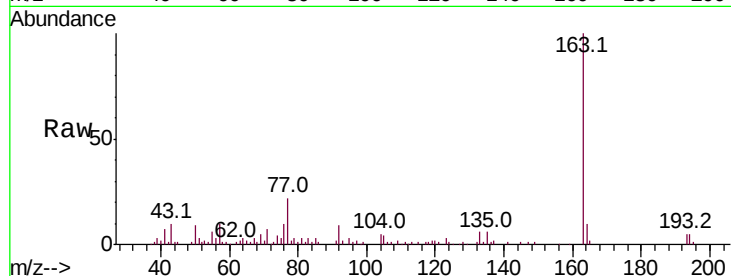
#49
Dimethylphthalate
Concen: 3.166 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Instrument :
BNA_F
ClientSampled :
72-11975

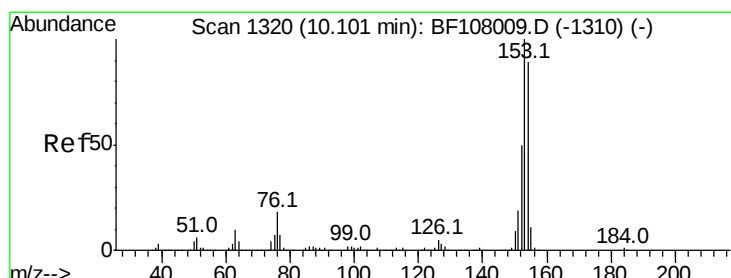
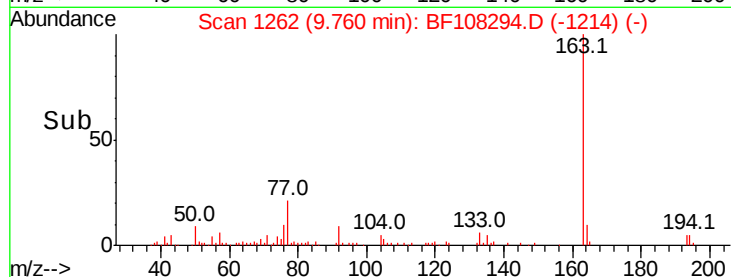
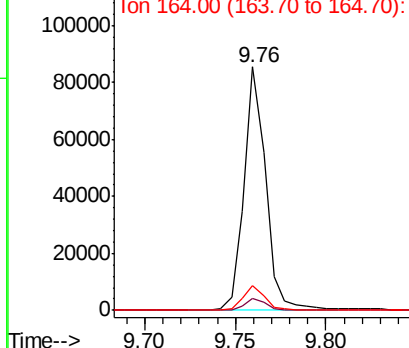
Tot Ion	Ratio	Resp	Lower	Upper
163	100	71126		
194	5.1	2.7	4.1#	
164	10.0	8.2	12.2	

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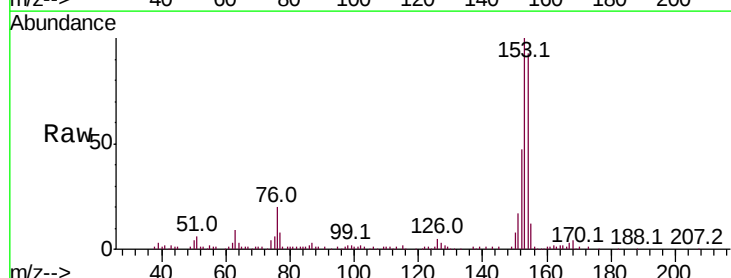


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

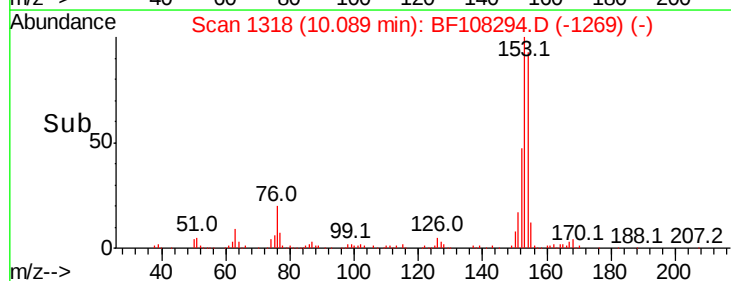
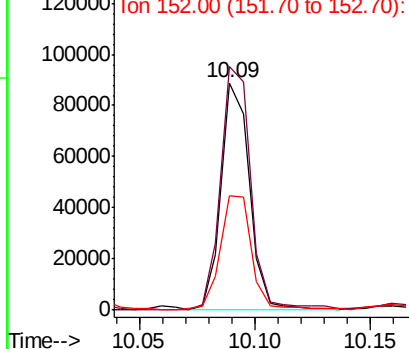


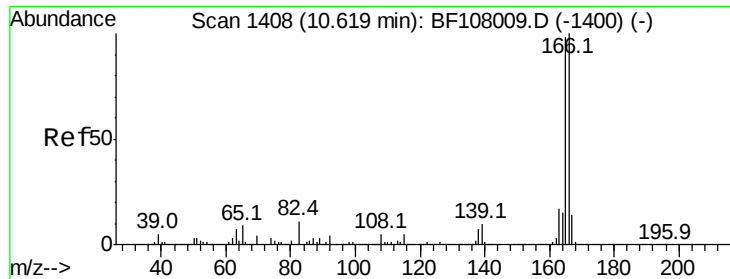
#51
Acenaphthene
Concen: 4.116 ng
RT: 10.09 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	74904		
153	107.3	91.2	136.8	
152	50.4	43.8	65.8	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





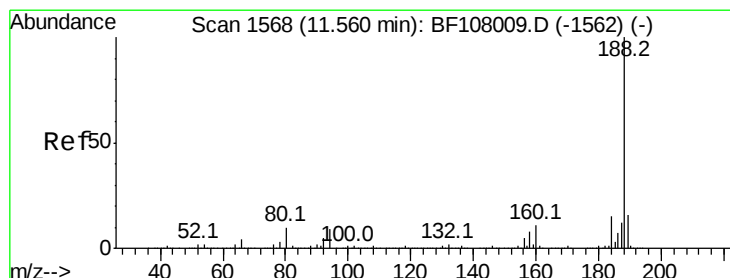
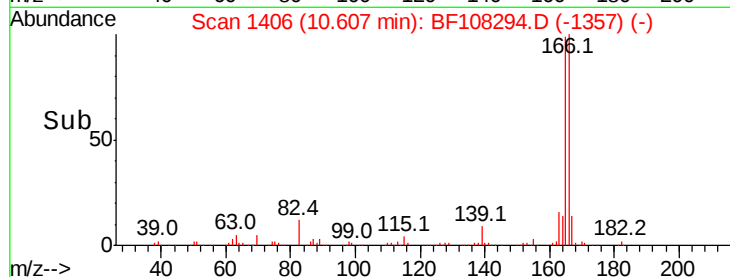
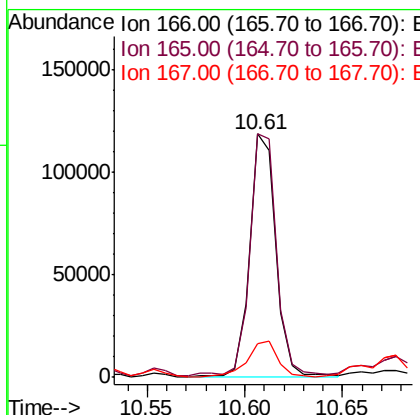
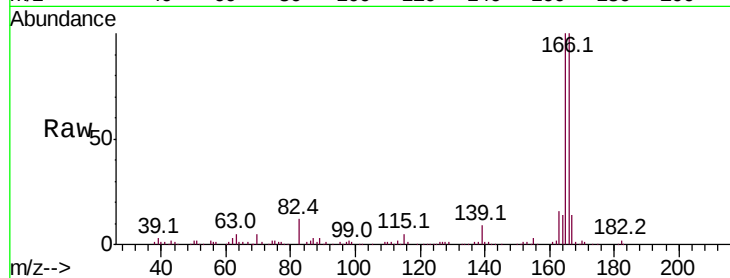
#57
Fluorene
 Concen: 5.239 ng
 RT: 10.61 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF108294.D
 Acq: 20 Aug 2018 17:10

Instrument :
 BNA_F
 ClientSampleId :
 72-11975

Tot Ion:	166	Resp:	109359
Ion Ratio	Lower	Upper	
166	100		
165	99.8	79.8	119.8
167	14.0	10.6	16.0

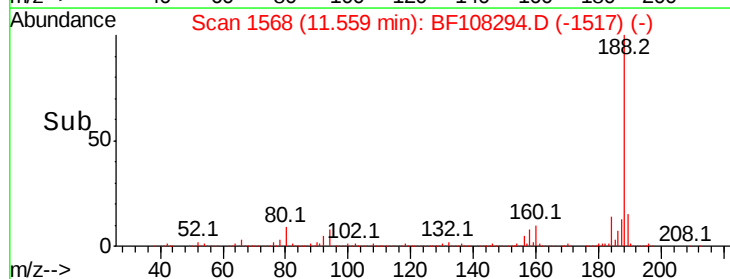
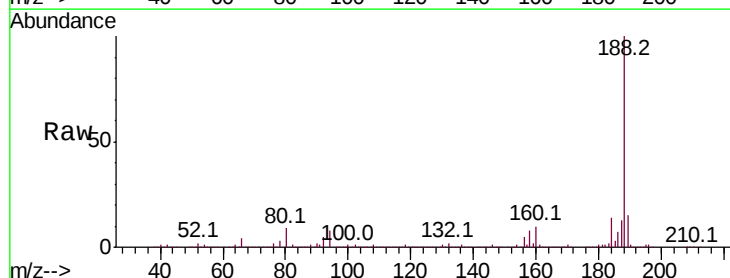
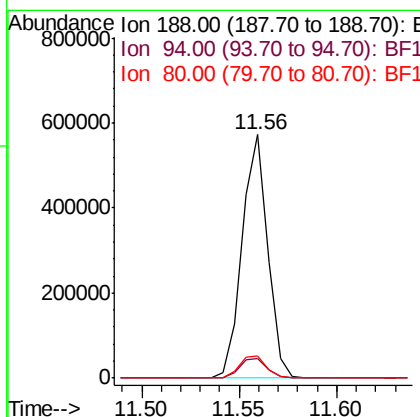
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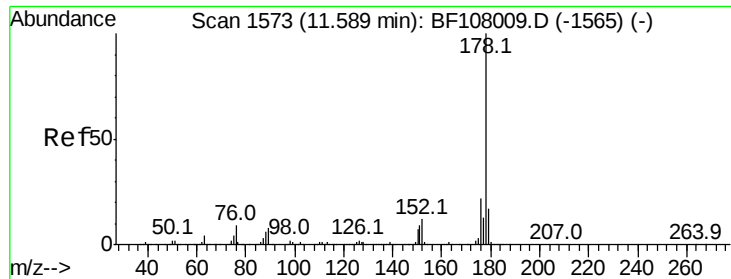
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: BF108294.D
 Acq: 20 Aug 2018 17:10

Tgt Ion:	188	Resp:	520249
Ion Ratio	Lower	Upper	
188	100		
94	8.3	8.5	12.7#
80	9.2	9.2	13.8#





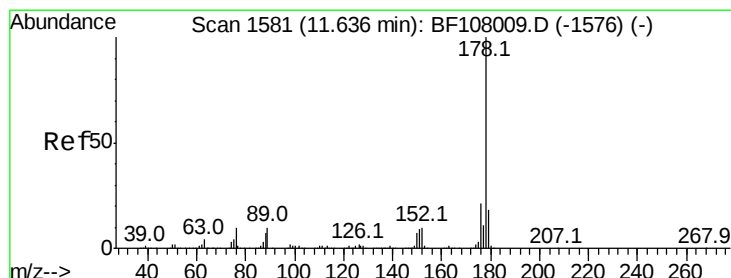
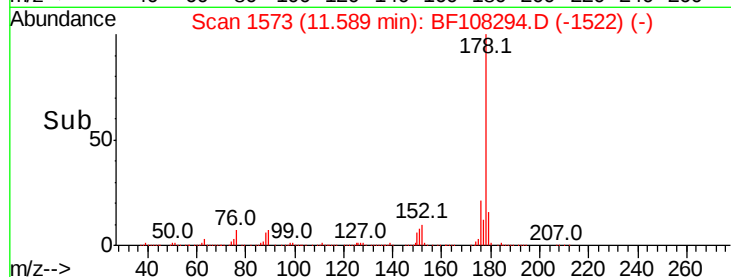
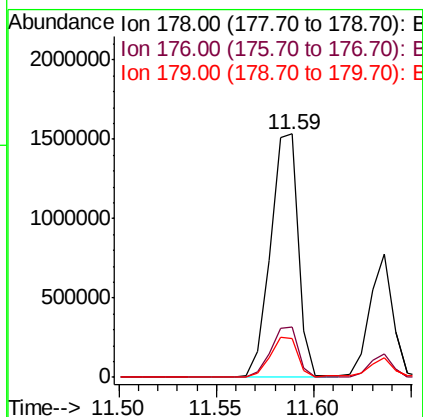
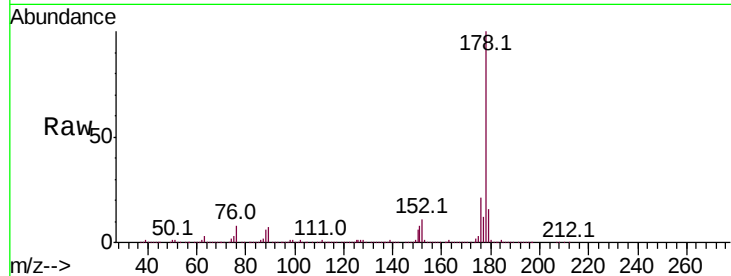
#70
Phenanthrene
Concen: 61.572 ng
RT: 11.59 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Instrument :
BNA_F
ClientSampleId :
72-11975

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	16.2	13.0	19.6

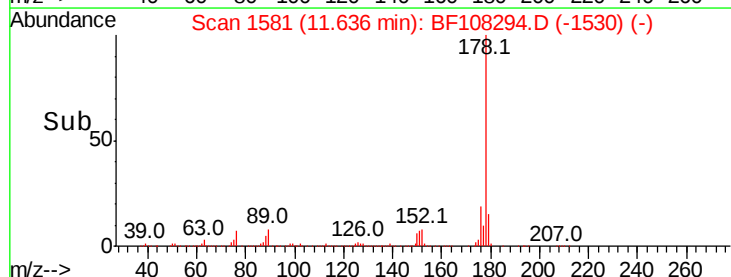
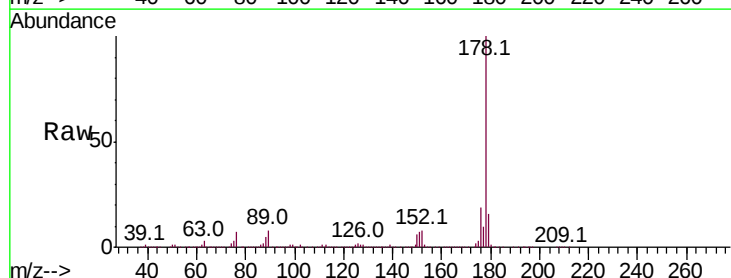
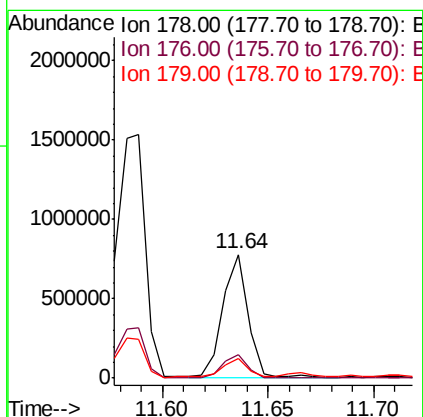
Manual Integrations
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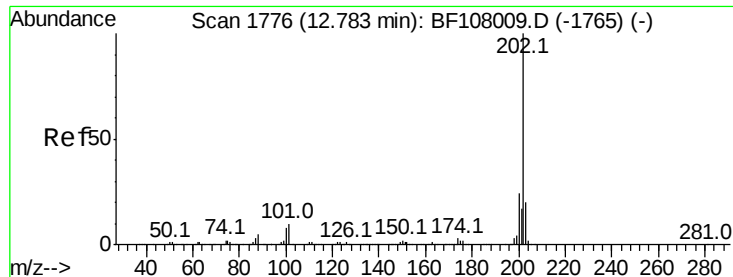
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#71
Anthracene
Concen: 25.432 ng
RT: 11.64 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.5	12.6	19.0





#74

Fluoranthene

Concen: 126.693 ng

RT: 12.79 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF108294.D

Acq: 20 Aug 2018 17:10

Instrument :

BNA_F

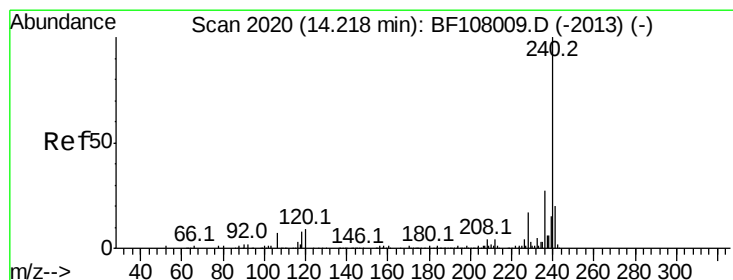
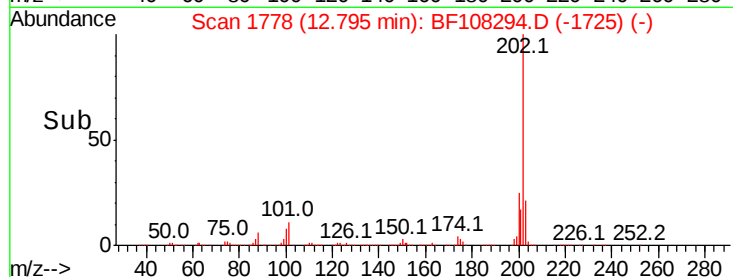
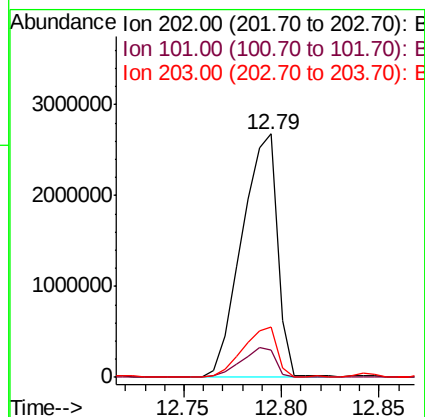
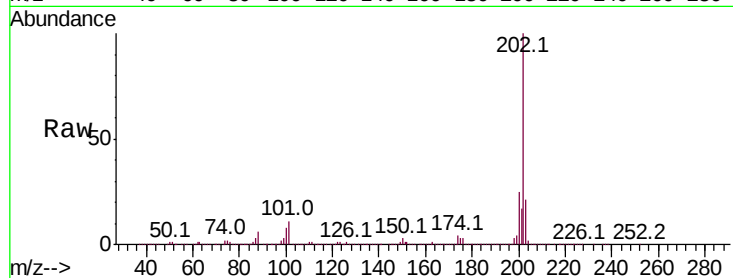
ClientSampleId :

72-11975

Tot Ion:	202	Resp:	3392903
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	34.1
203	20.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

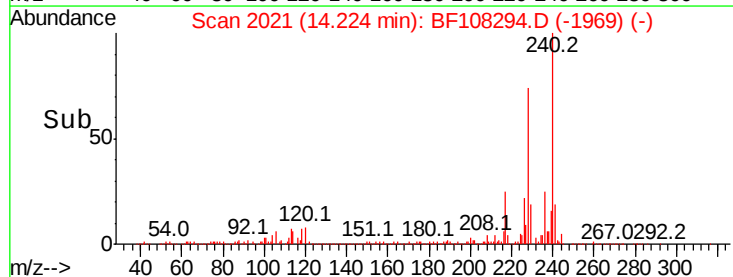
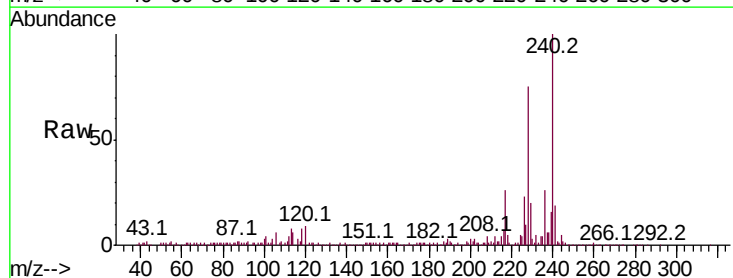
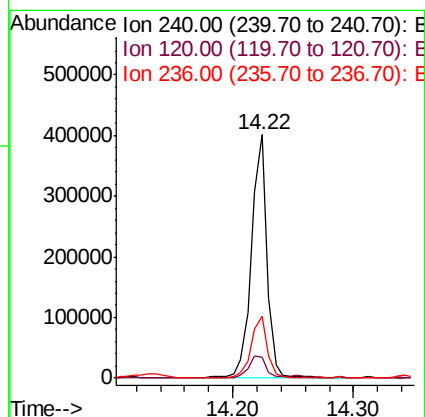
RT: 14.22 min Scan# 2021

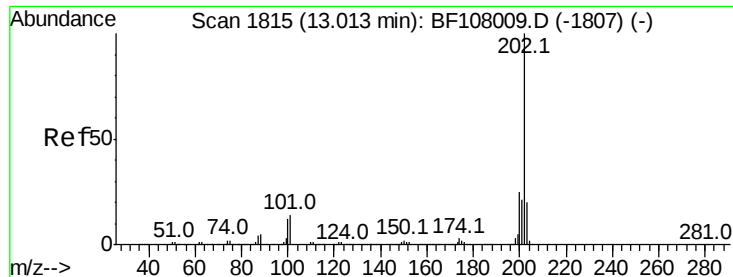
Delta R.T. 0.01 min

Lab File: BF108294.D

Acq: 20 Aug 2018 17:10

Tgt Ion:	240	Resp:	360649
Ion Ratio	Lower	Upper	
240	100		
120	8.6	9.5	14.3#
236	25.6	20.7	31.1





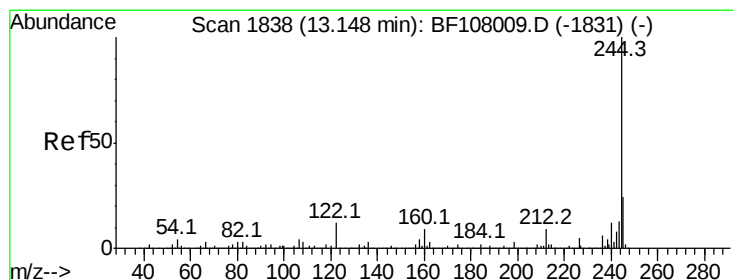
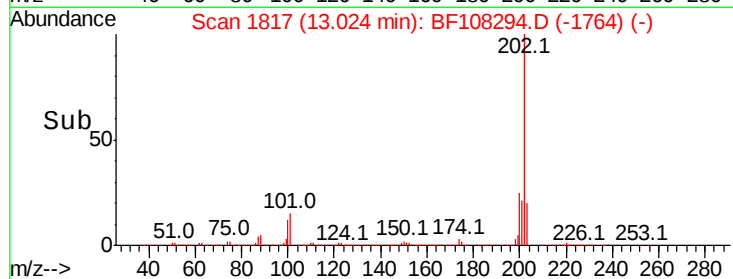
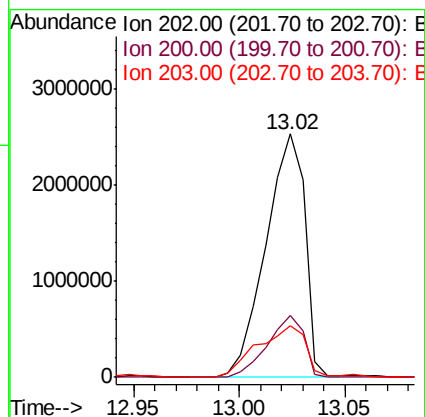
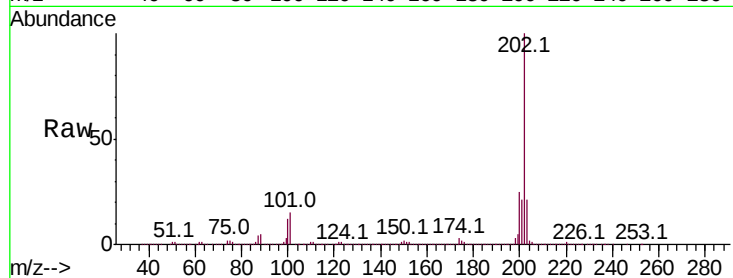
#77
Pvrene
Concen: 142.710 ng
RT: 13.02 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Instrument :
BNA_F
ClientSampleId :
72-11975

Tot Ion	Ratio	Lower	Upper
202	100		
200	25.2	17.4	26.2
203	21.2	14.3	21.5

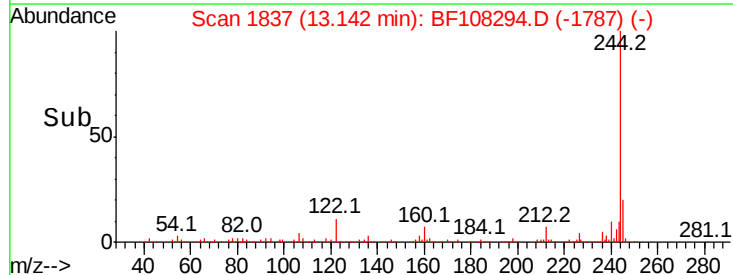
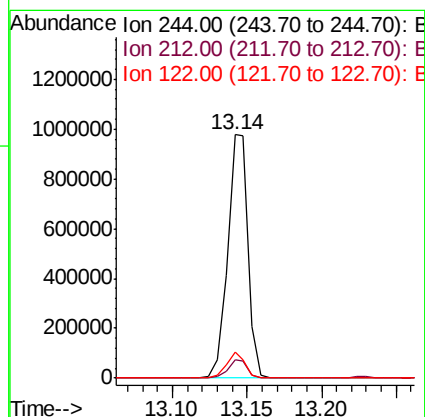
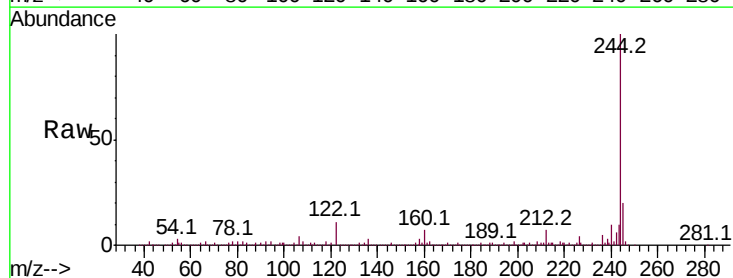
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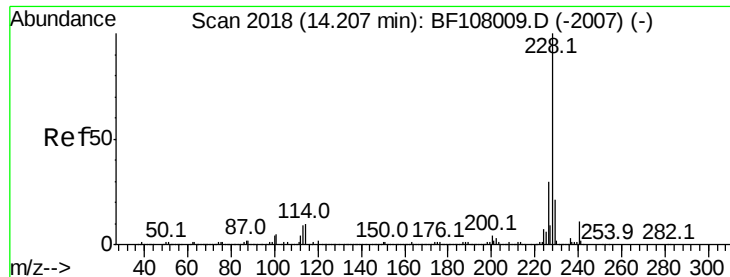
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#78
Terphenyl-d14
Concen: 66.337 ng
RT: 13.14 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	10.7	11.0	16.4#





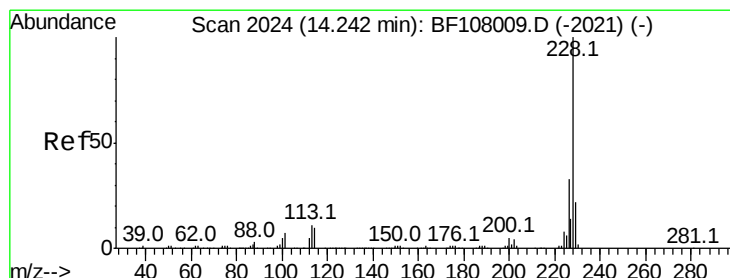
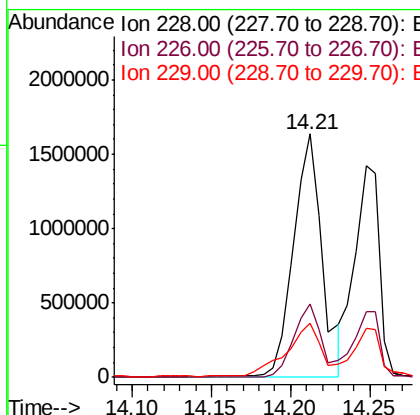
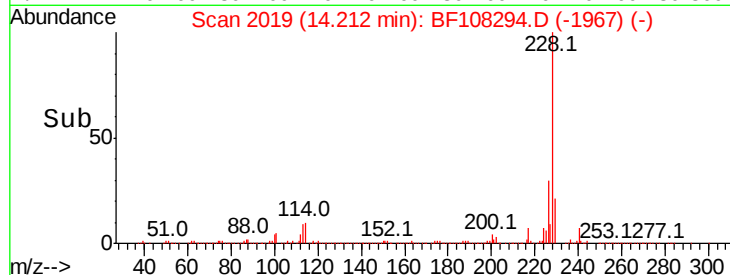
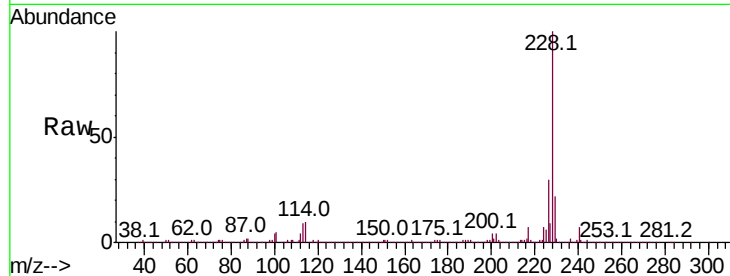
#80
Benzo(a)anthracene
Concen: 99.462 ng
RT: 14.21 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Instrument :
BNA_F
ClientSampleId :
72-11975

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	22.2	15.8	23.6

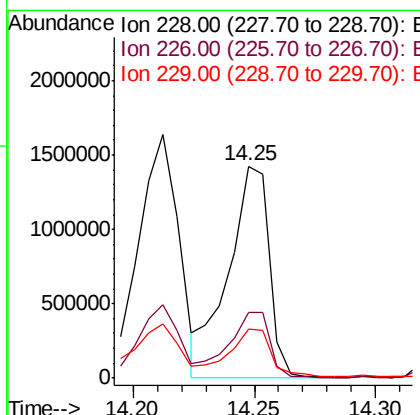
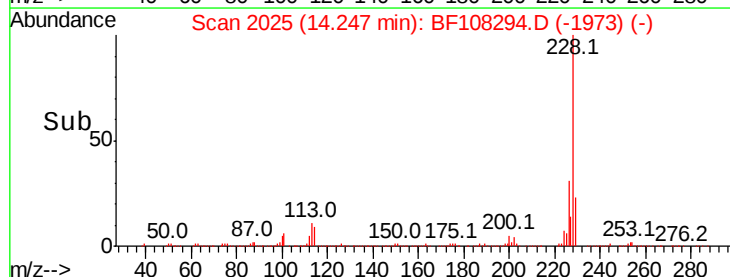
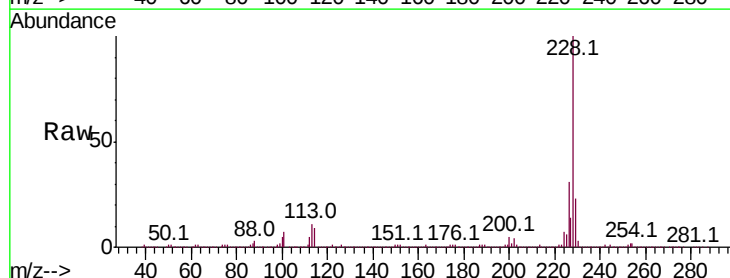
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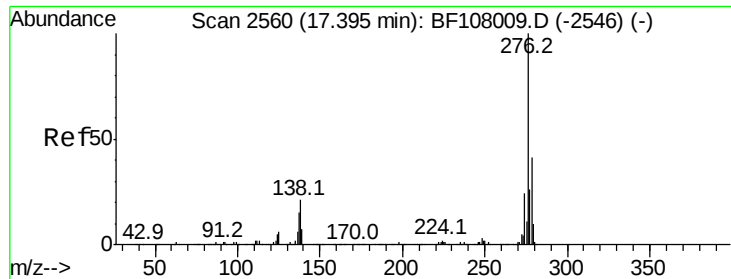
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#82
Chrysene
Concen: 89.066 ng m
RT: 14.25 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	23.4	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 42.643 ng

RT: 17.42 min Scan# 2564

Delta R.T. 0.02 min

Lab File: BF108294.D

Acq: 20 Aug 2018 17:10

Instrument :

BNA_F

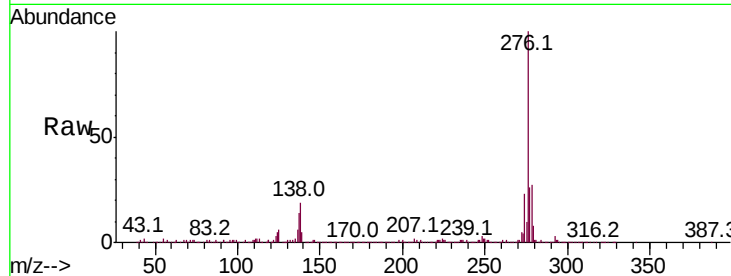
ClientSampleId :

72-11975

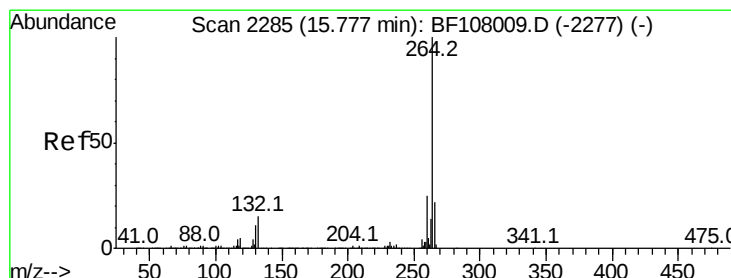
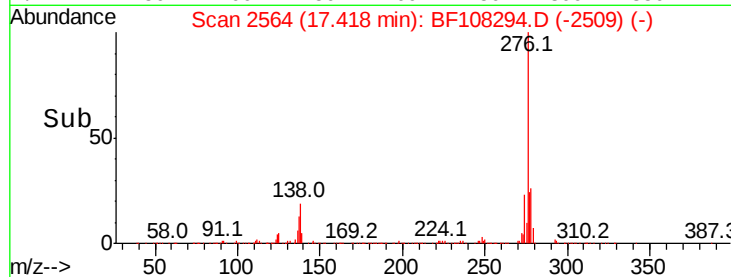
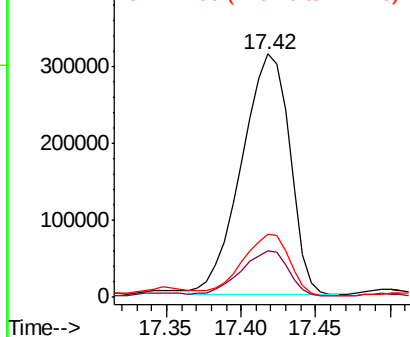
Tot Ion:	276	Resp:	701103
Ion Ratio	Lower	Upper	
276	100		
138	18.9	25.0	37.6#
277	25.1	20.1	30.1

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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



#86

Perylene-d12

Concen: 20.000 ng

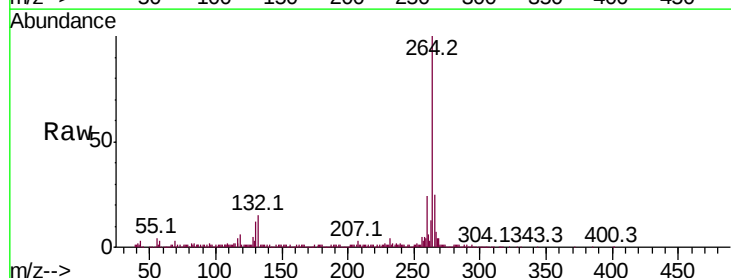
RT: 15.79 min Scan# 2287

Delta R.T. 0.01 min

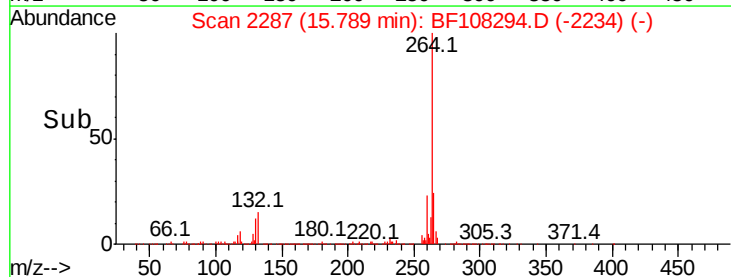
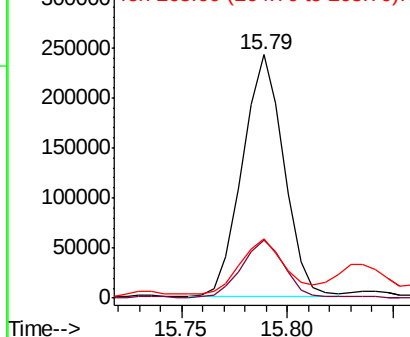
Lab File: BF108294.D

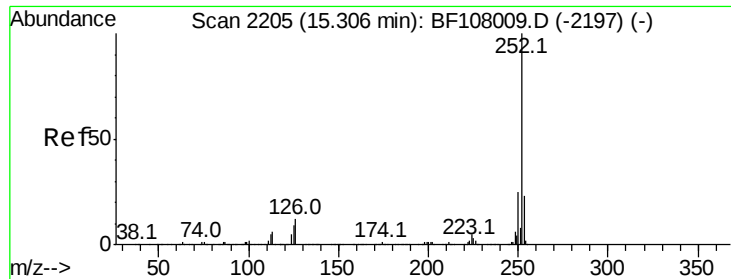
Acq: 20 Aug 2018 17:10

Tgt Ion:	264	Resp:	330330
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	24.6	17.5	26.3



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





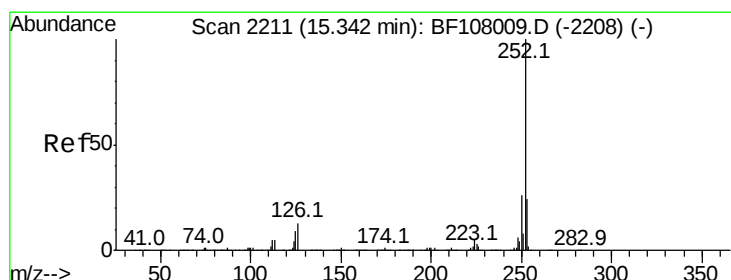
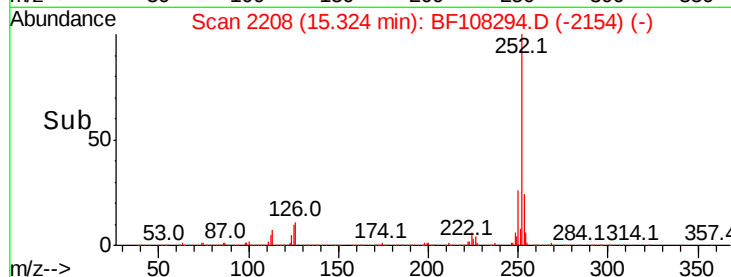
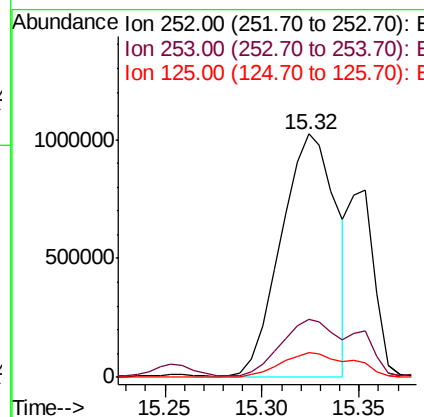
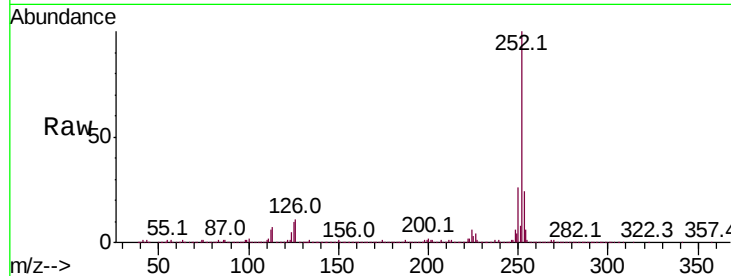
#87
Benzo(b)fluoranthene
Concen: 104.118 ng m
RT: 15.32 min Scan# 2208
Delta R.T. 0.02 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Instrument :
BNA_F
ClientSampled :
72-11975

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	10.1	9.0	13.6

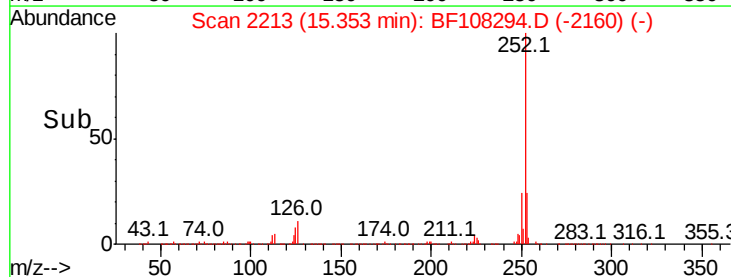
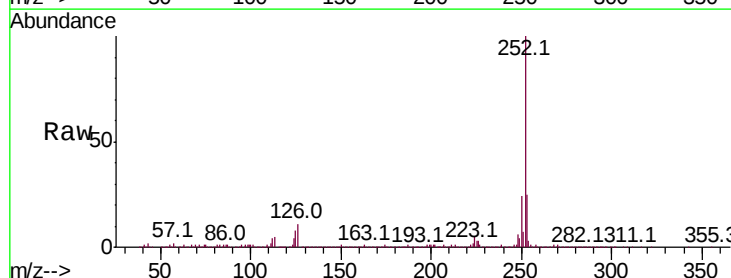
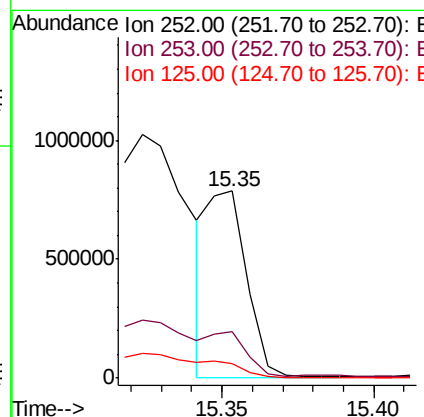
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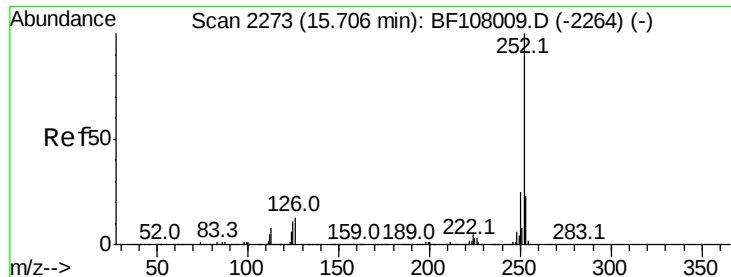
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#88
Benzo(k)fluoranthene
Concen: 38.745 ng m
RT: 15.35 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	8.1	10.2	15.2#





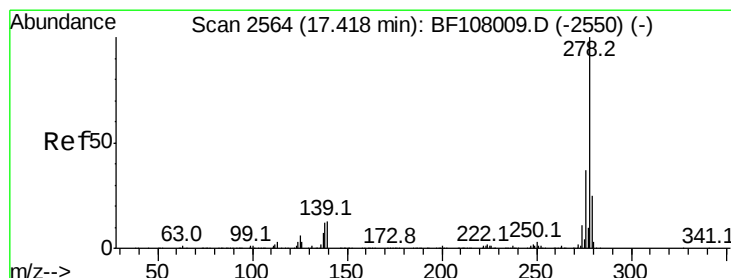
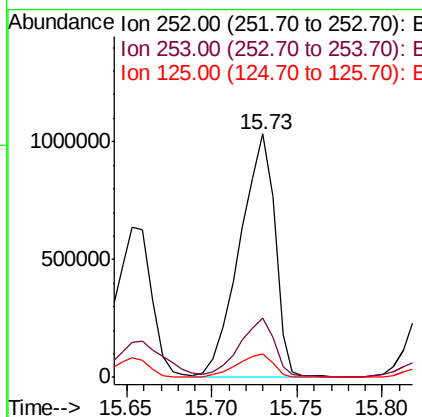
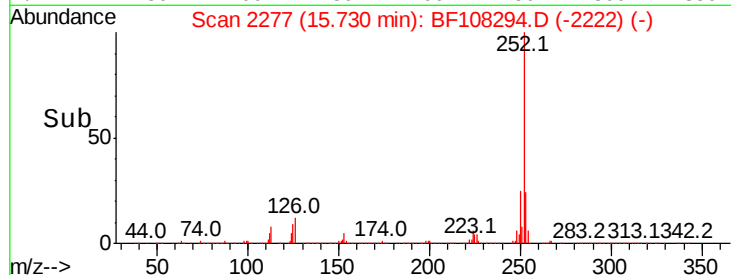
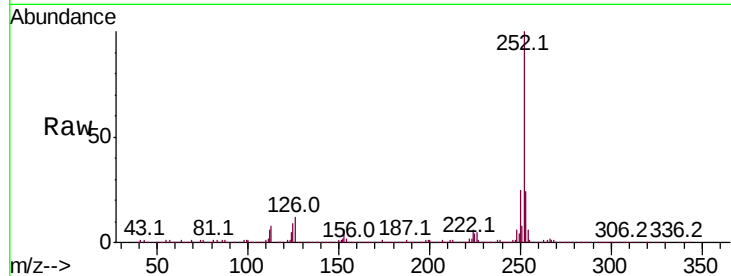
#89
Benzo(a)pyrene
Concen: 84.411 ng/mL
RT: 15.73 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Instrument :
BNA_F
ClientSampled :
72-11975

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	9.5	9.8	14.6

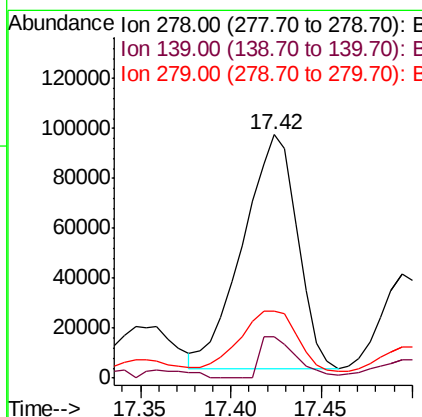
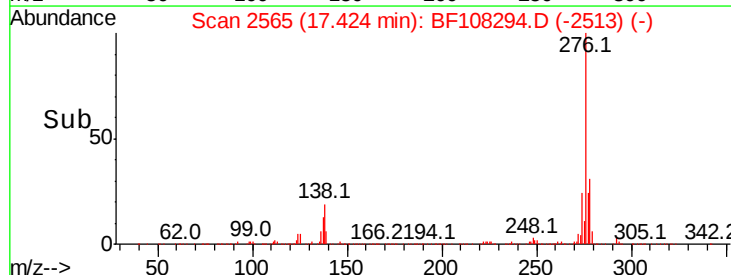
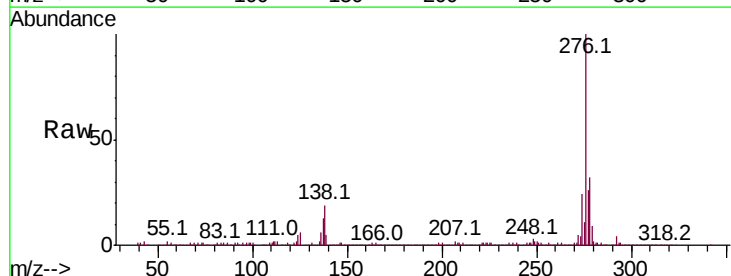
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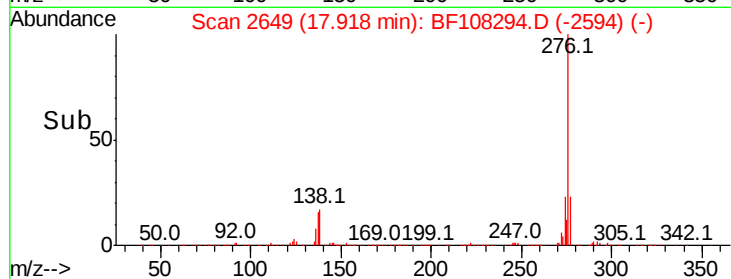
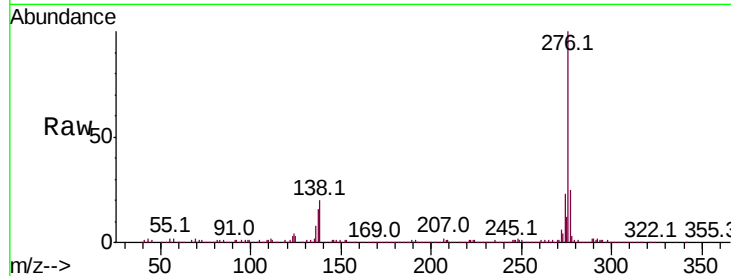
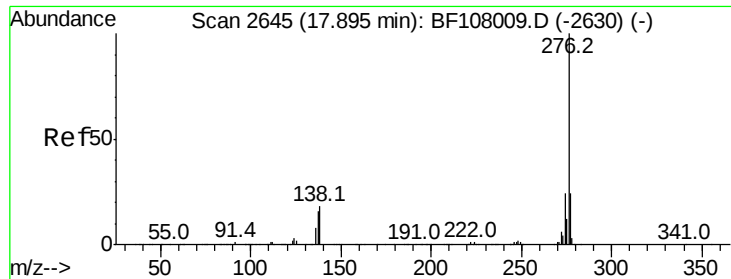
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#90
Dibenzo(a,h)anthracene
Concen: 13.512 ng/mL
RT: 17.42 min Scan# 2565
Delta R.T. 0.01 min
Lab File: BF108294.D
Acq: 20 Aug 2018 17:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.0	15.9	23.9
279	27.4	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 42.806 ng

RT: 17.92 min Scan# 2649

Delta R.T. 0.02 min

Lab File: BF108294.D

Acq: 20 Aug 2018 17:10

Instrument :

BNA_F

ClientSampleId :

72-11975

Tot Ion:	276	Resp:	616429
Ion Ratio	Lower	Upper	
276	100		
277	24.9	17.9	26.9
138	19.6	21.8	32.8#

Manual Integrations
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