

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109293.D
 Acq On : 25 Sep 2018 18:37
 Operator : JU/SJ
 Sample : J4779-09 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-3A-092418

Manual Integrations
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 9/26/2018 3:42:03 PM

Quant Time: Sep 26 03:41:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	116977	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	413413	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	169814	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	297993	20.00	ng	0.00
75) Chrysene-d12	13.85	240	253176	20.00	ng	0.00
86) Perylene-d12	15.25	264	192012	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	294771	41.50	ng	0.00
7) Phenol-d6	6.34	99	380837	42.02	ng	-0.02
23) Nitrobenzene-d5	7.27	82	228258	32.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	67760	40.48	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	395439	35.12	ng	0.00
78) Terphenyl-d14	12.80	244	341348	33.09	ng	0.00
Target Compounds						
48) Acenaphthylene	9.60	152	90078	5.402	ng	# 82
49) Dimethylphthalate	9.46	163	102060	8.263	ng	# 86
51) Acenaphthene	9.77	154	45843	4.547	ng	95
54) Dibenzofuran	9.95	168	57572	3.840	ng	# 14
57) Fluorene	10.29	166	106792	9.983	ng	# 93
70) Phenanthrene	11.25	178	408490	27.455	ng	99
71) Anthracene	11.30	178	146769m	9.726	ng	
74) Fluoranthene	12.43	202	517501	32.546	ng	95
77) Pyrene	12.66	202	536006	29.541	ng	100
80) Benzo(a)anthracene	13.84	228	286607m	18.794	ng	
82) Chrysene	13.87	228	262965	17.398	ng	97
85) Indeno(1,2,3-cd)pyrene	16.60	276	116090	9.476	ng	# 89
87) Benzo(b)fluoranthene	14.86	252	295451m	28.002	ng	
88) Benzo(k)fluoranthene	14.88	252	71204m	7.112	ng	
89) Benzo(a)pyrene	15.19	252	200294	21.067	ng	97
90) Dibenzo(a,h)anthracene	16.62	278	29017	3.720	ng	# 93
91) Benzo(a,h,i)perylene	17.01	276	101852	13.287	ng	# 91

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

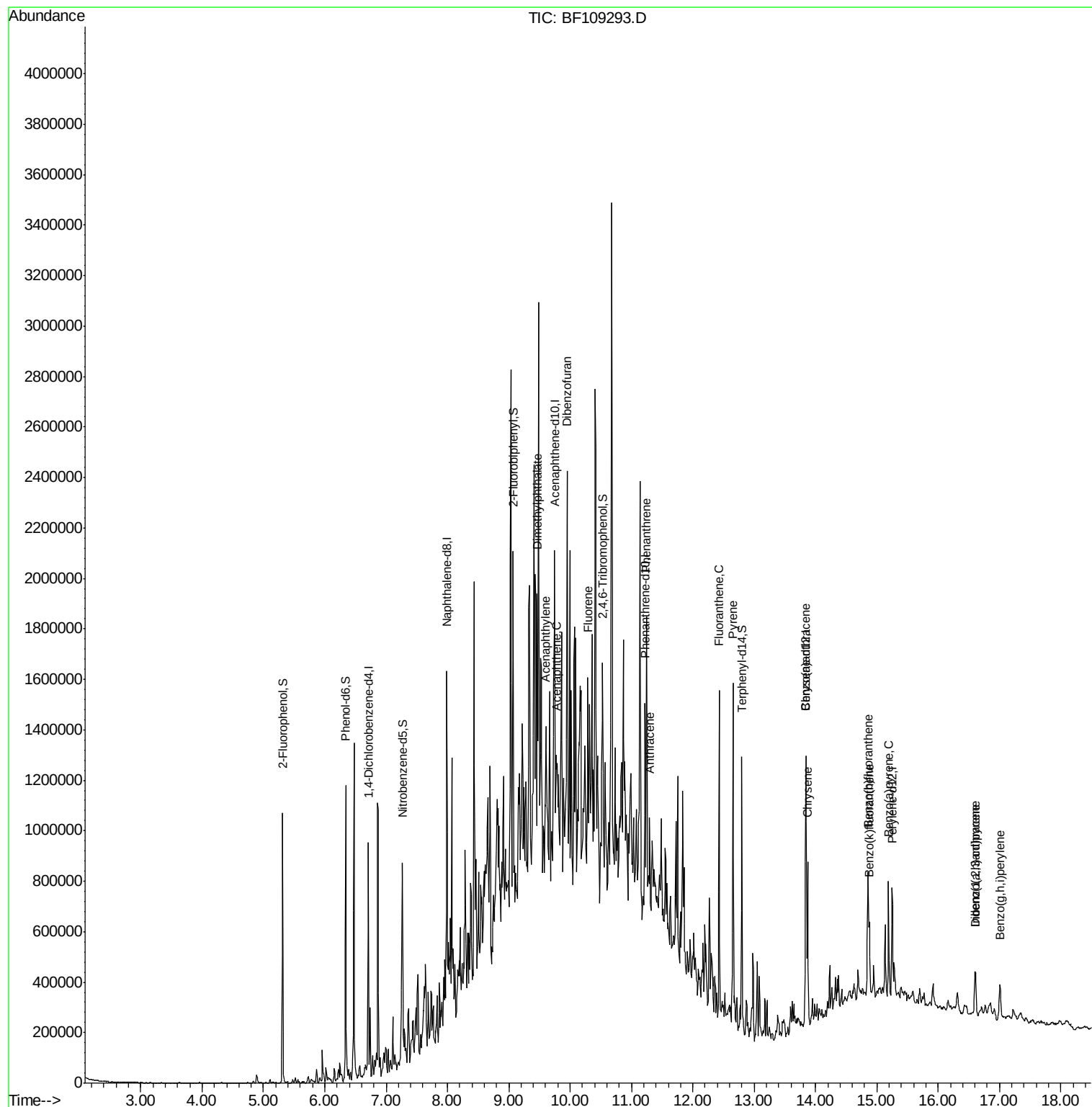
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
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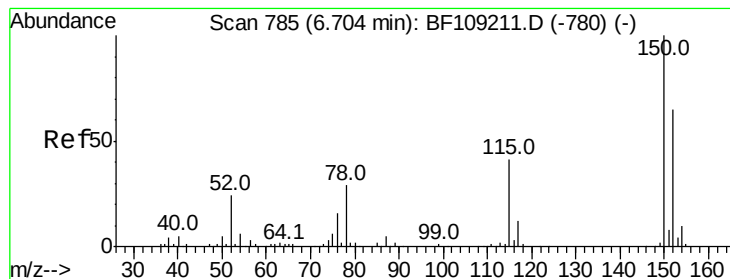
Instrument :
BNA_F
ClientSampled :
SU-3A-092418

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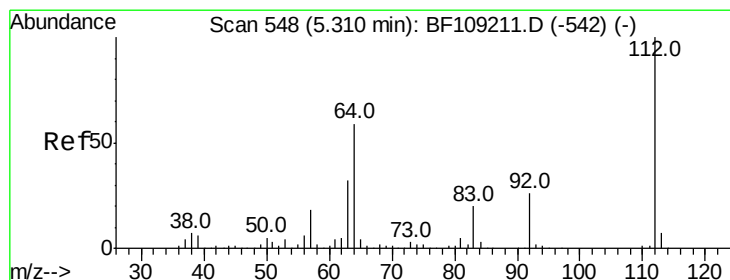
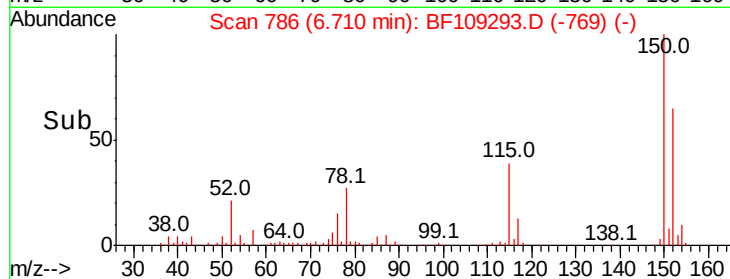
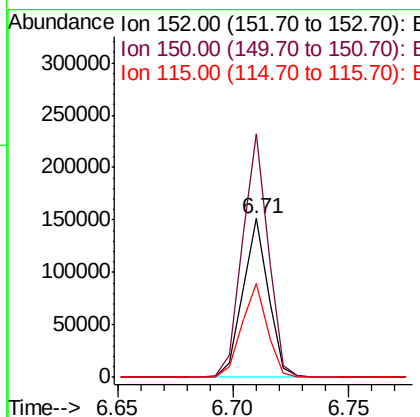
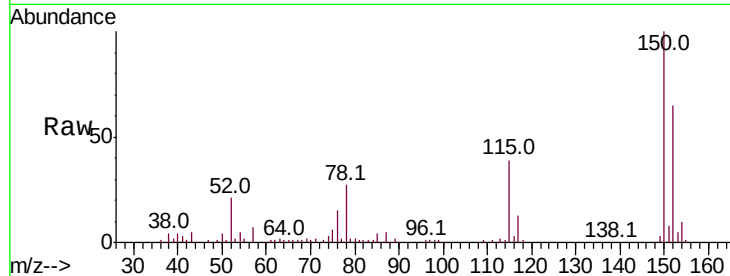
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF109293.D
 Acq: 25 Sep 2018 18:37

Instrument :
 BNA_F
 ClientSampleId :
 SU-3A-092418

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	59.2	50.1	75.1

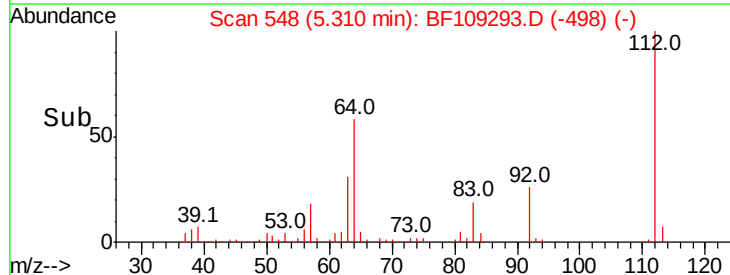
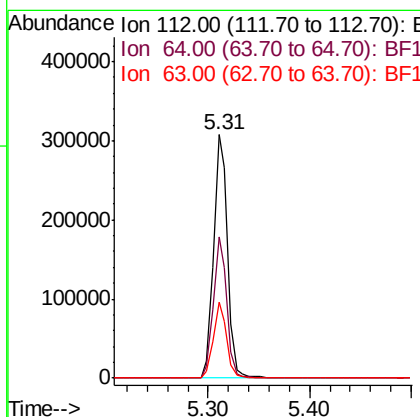
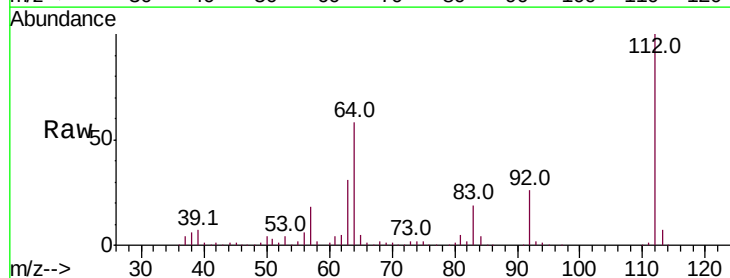
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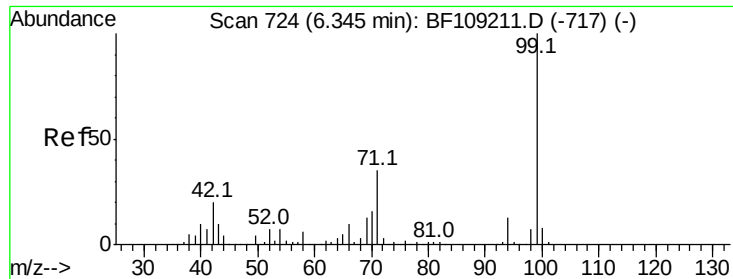
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#5
 2-Fluorophenol
 Concen: 41.505 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF109293.D
 Acq: 25 Sep 2018 18:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.9	71.9
63	31.1	23.7	35.5





#7

Phenol-d6

Concen: 42.023 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

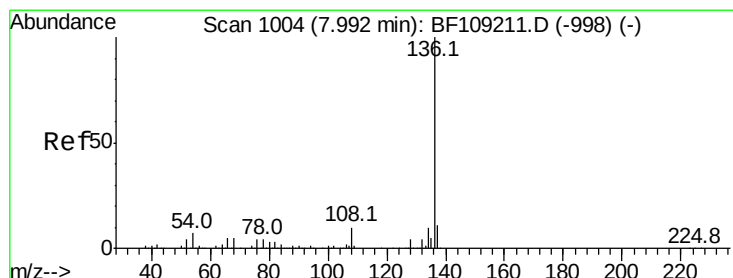
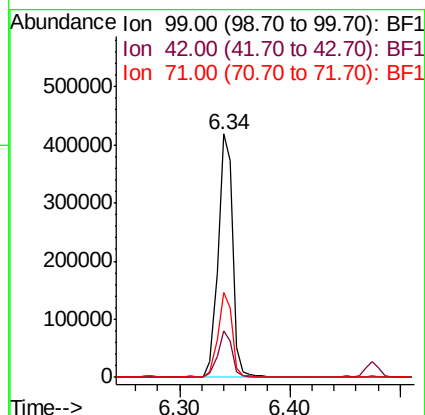
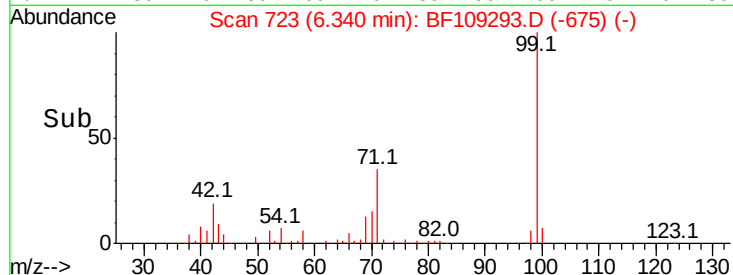
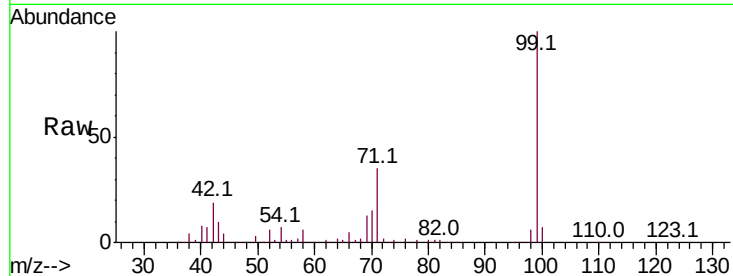
ClientSampleId :

SU-3A-092418

Tot Ion:	99	Resp:	380837
Ion Ratio	Lower	Upper	
99	100		
42	19.1	14.5	21.7
71	35.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

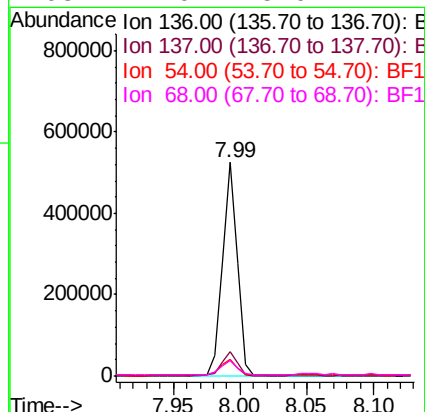
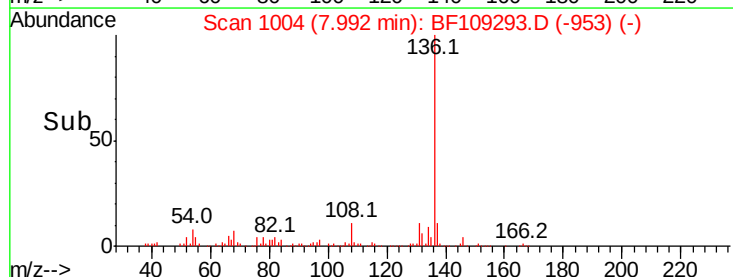
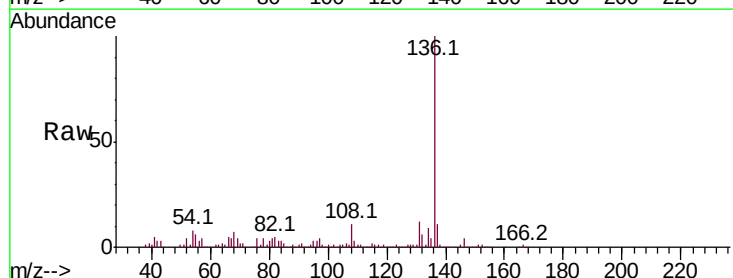
RT: 7.99 min Scan# 1004

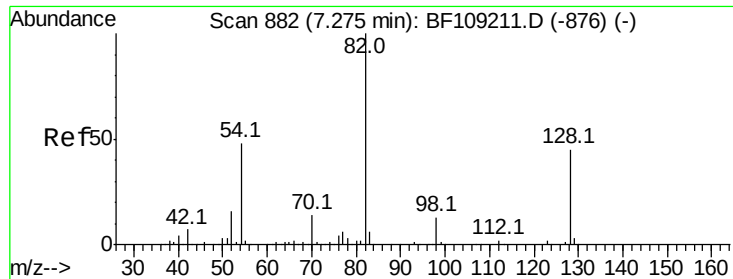
Delta R.T. 0.00 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Tgt Ion:	136	Resp:	413413
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.0	6.6	9.8
68	7.0	5.0	7.4





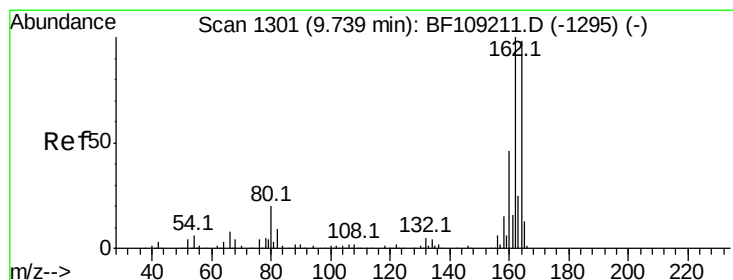
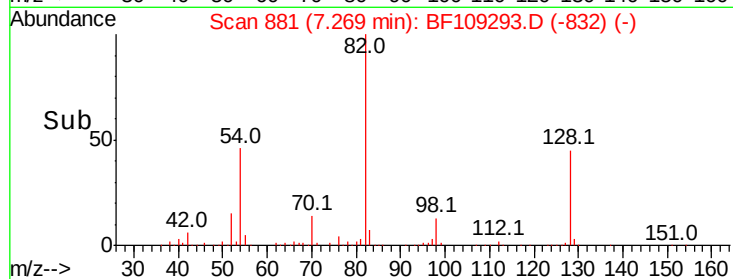
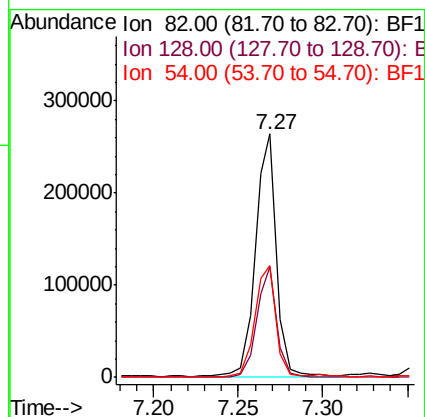
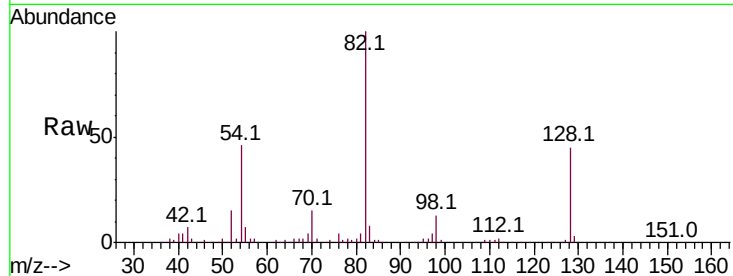
#23
 Nitrobenzene-d5
 Concen: 32.593 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109293.D
 Acq: 25 Sep 2018 18:37

Instrument :
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 ClientSampleId :
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Tot Ion	82	Resp	228258
Ion Ratio	Lower	Upper	
82	100		
128	45.2	36.1	54.1
54	46.2	41.4	62.2

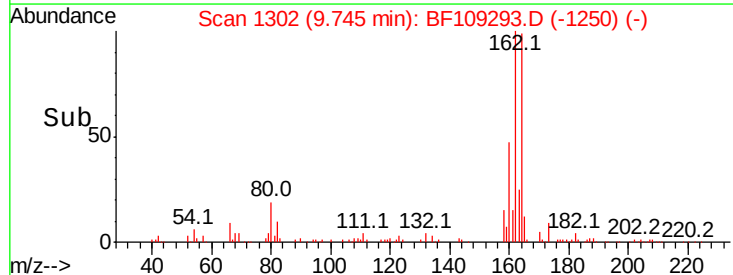
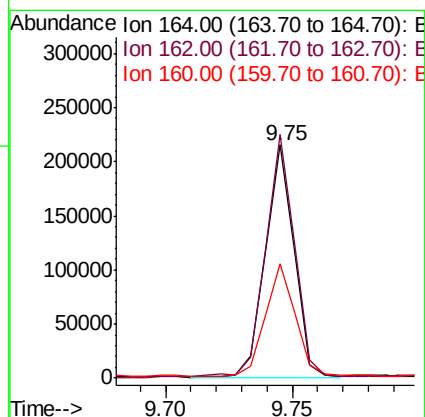
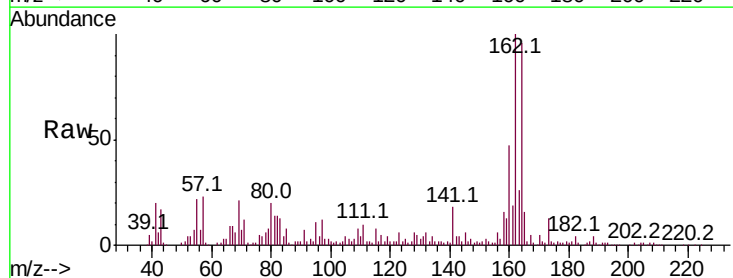
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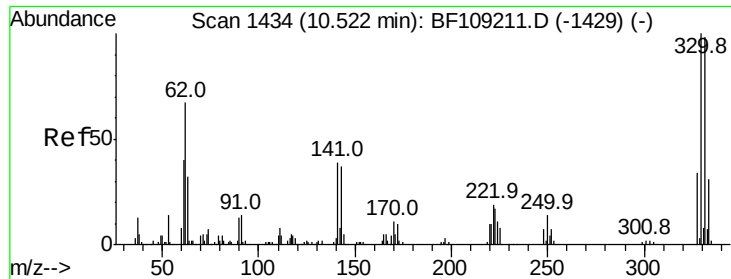
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: BF109293.D
 Acq: 25 Sep 2018 18:37

Tgt Ion	164	Resp	169814
Ion Ratio	Lower	Upper	
164	100		
162	104.4	86.1	129.1
160	49.1	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 40.478 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

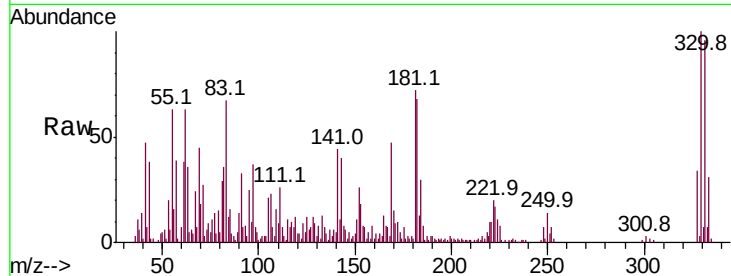
ClientSampleId :

SU-3A-092418

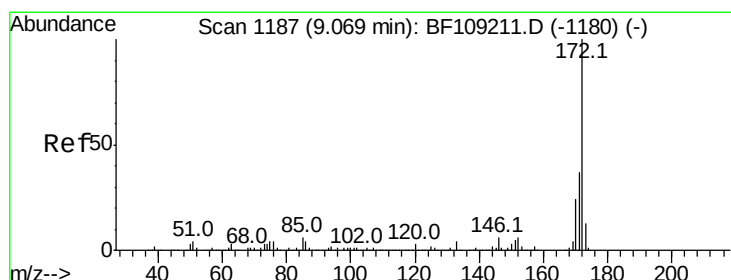
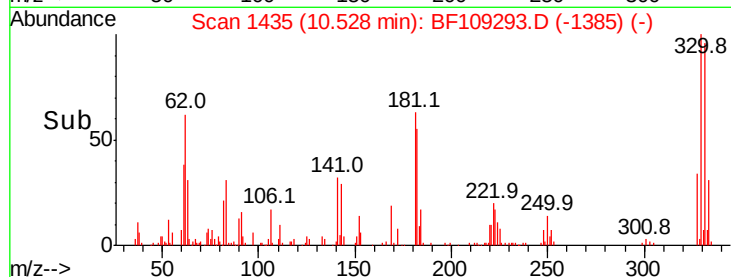
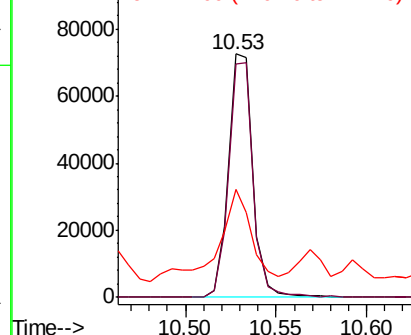
Tot Ion:	330	Resp:	67760
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.0	115.6
141	50.7	29.9	44.9#

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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: 35.121 ng

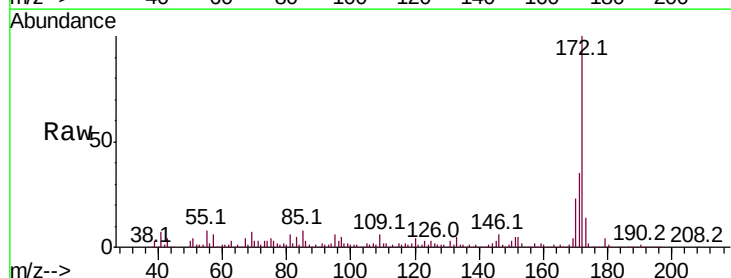
RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

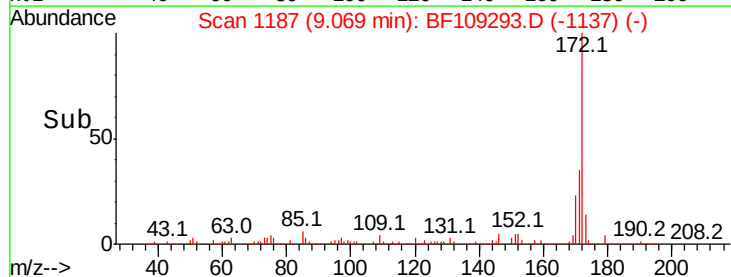
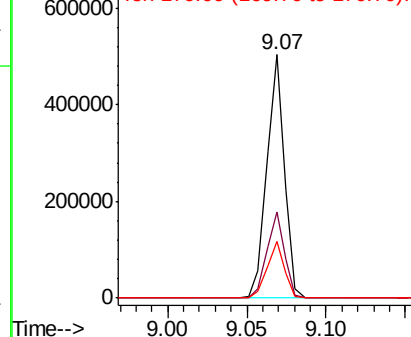
Lab File: BF109293.D

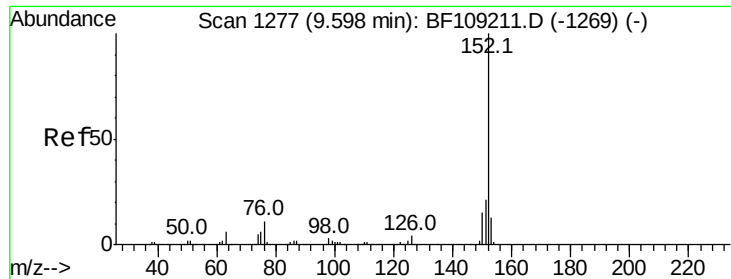
Acq: 25 Sep 2018 18:37

Tgt Ion:	172	Resp:	395439
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.7	44.5
170	23.5	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





#48

Acenaphthylene

Concen: 5.402 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

ClientSampled :

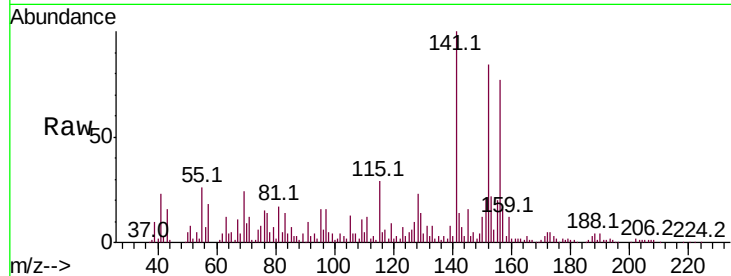
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Tot Ion:	152	Resp:	90078
Ion Ratio	Lower	Upper	
152	100		
151	24.6	16.3	24.5#
153	26.0	10.7	16.1#

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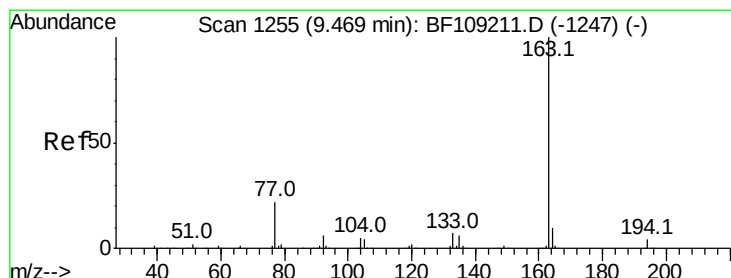
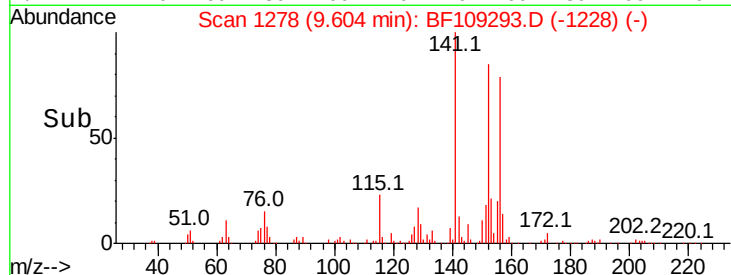
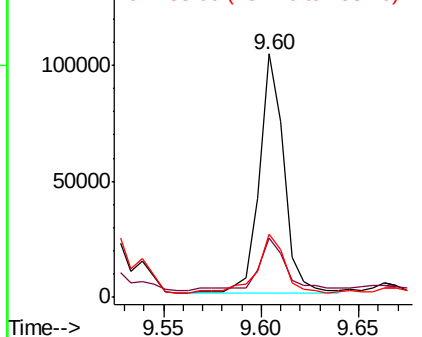
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 8.263 ng

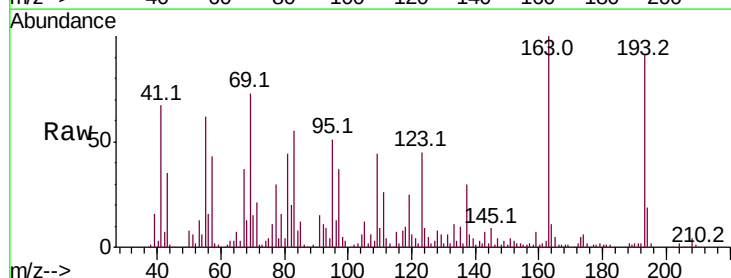
RT: 9.46 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

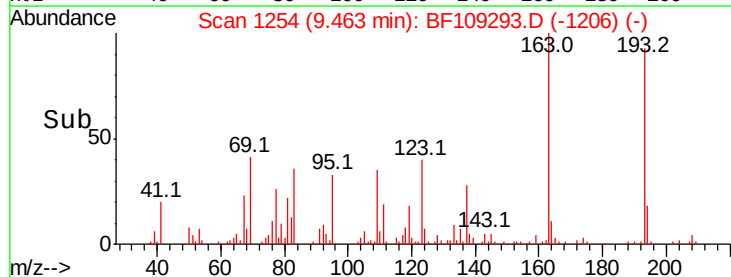
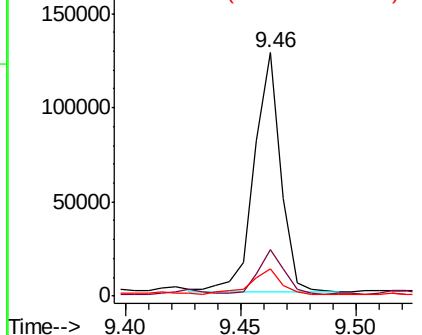
Tgt Ion:	163	Resp:	102060
Ion Ratio	Lower	Upper	
163	100		
194	18.9	2.7	4.1#
164	11.1	8.2	12.2

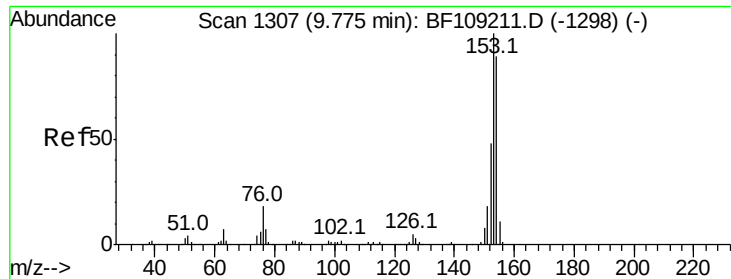


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 4.547 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

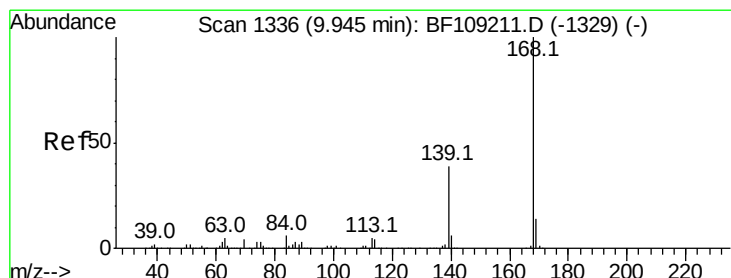
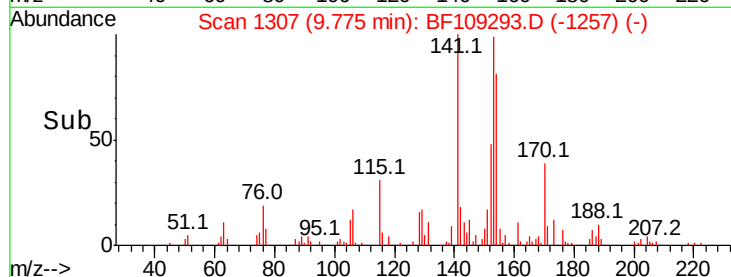
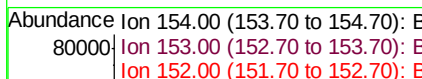
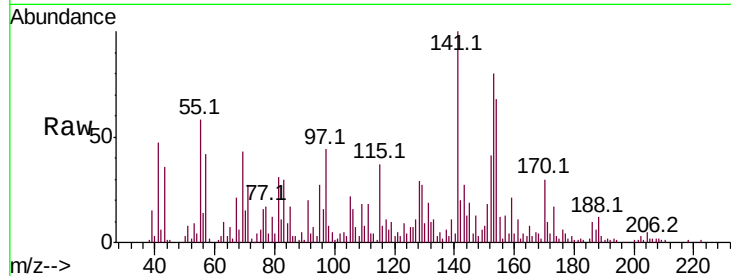
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Tot Ion:	154	Resp:	45843
Ion Ratio	Lower	Upper	
154	100		
153	118.3	91.2	136.8
152	60.1	43.8	65.8

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#54

Dibenzofuran

Concen: 3.840 ng

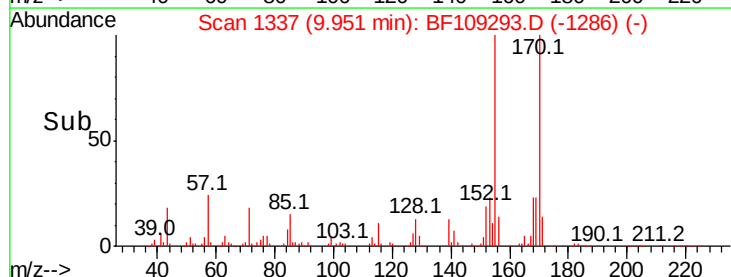
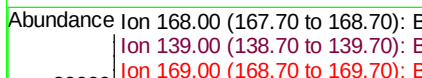
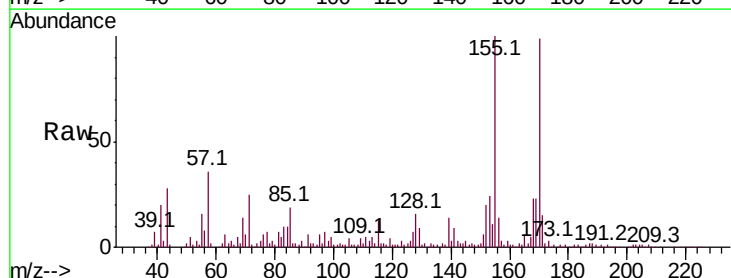
RT: 9.95 min Scan# 1337

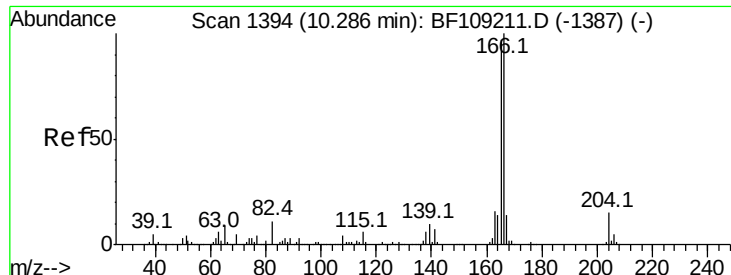
Delta R.T. 0.00 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Tgt Ion:	168	Resp:	57572
Ion Ratio	Lower	Upper	
168	100		
139	61.5	30.1	45.1#
169	100.0	10.9	16.3#





#57

Fluorene

Concen: 9.983 ng

RT: 10.29 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

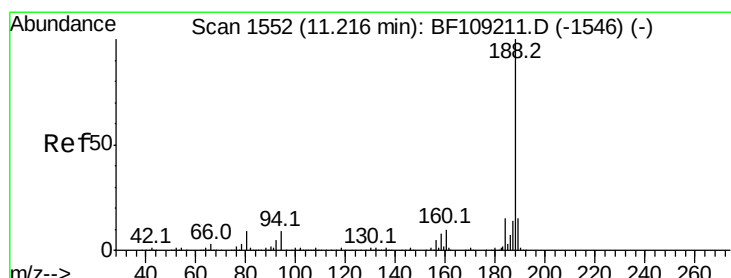
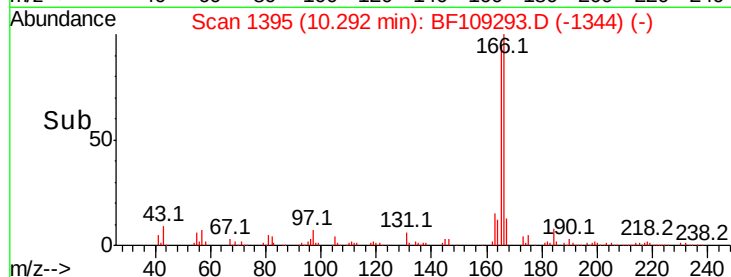
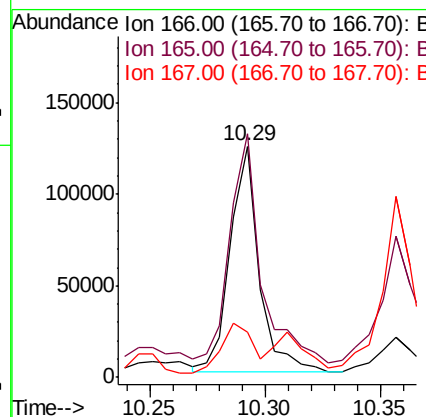
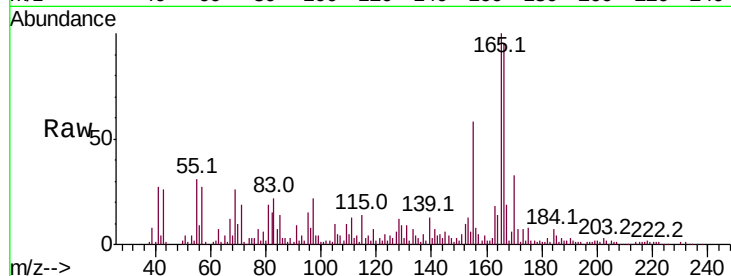
SU-3A-092418

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	105.4	79.8	119.8	
167	19.8	10.6	16.0	

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#63

Phenanthrene-d10

Concen: 20.000 ng

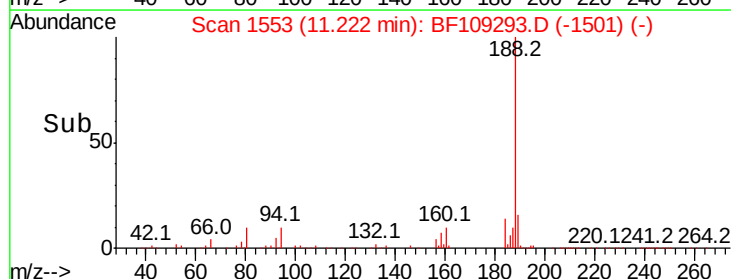
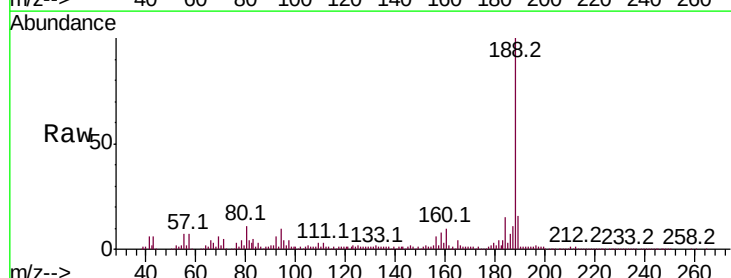
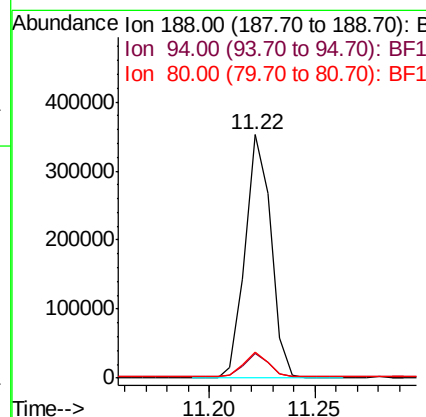
RT: 11.22 min Scan# 1553

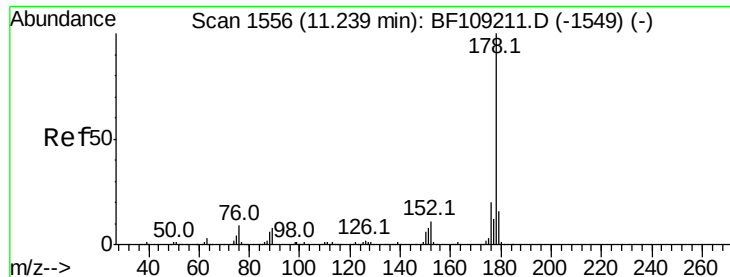
Delta R.T. 0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.1	8.5	12.7	
80	10.6	9.2	13.8	





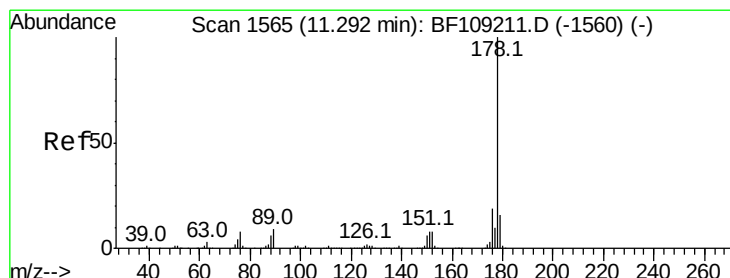
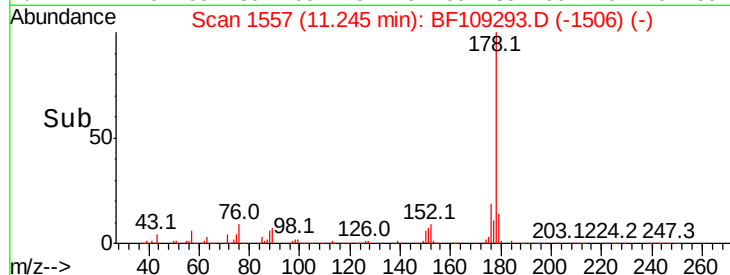
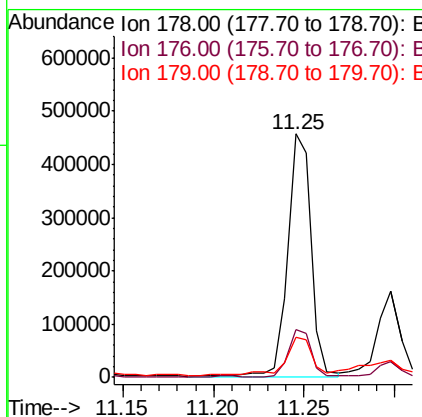
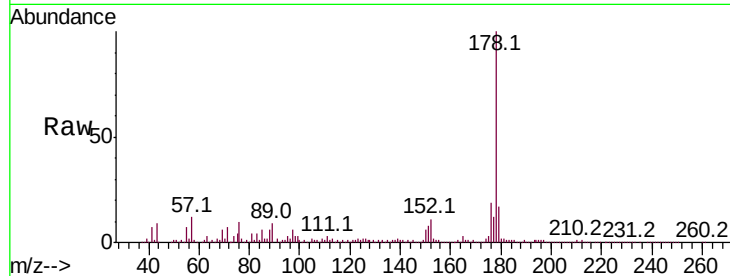
#70
Phenanthrene
Concen: 27.455 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Instrument :
BNA_F
ClientSampleId :
SU-3A-092418

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.5	13.0	19.6

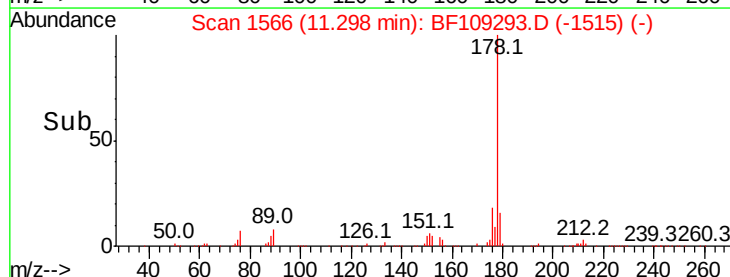
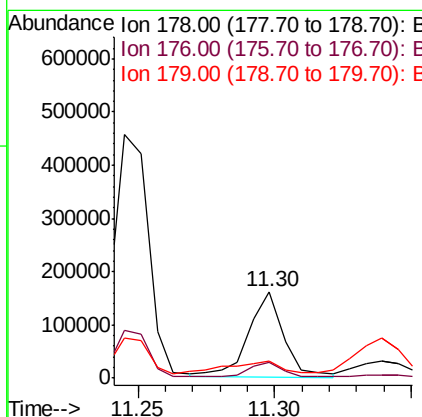
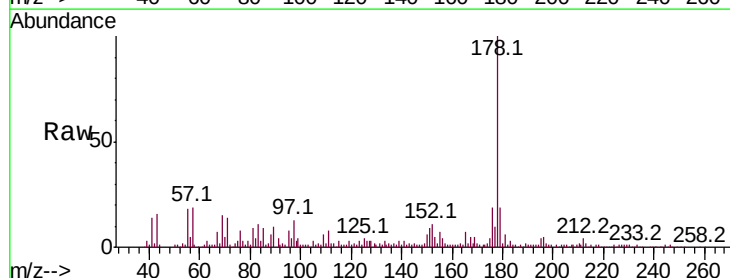
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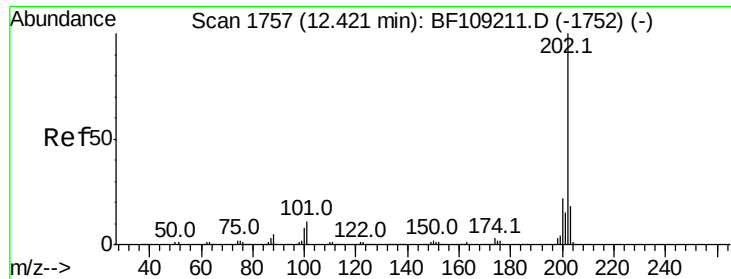
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#71
Anthracene
Concen: 9.726 ng m
RT: 11.30 min Scan# 1566
Delta R.T. 0.00 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	19.1	12.6	19.0#





#74

Fluoranthene

Concen: 32.546 ng

RT: 12.43 min Scan# 1759

Delta R.T. 0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

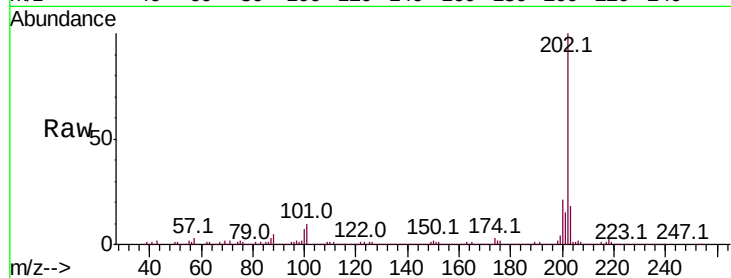
ClientSampleId :

SU-3A-092418

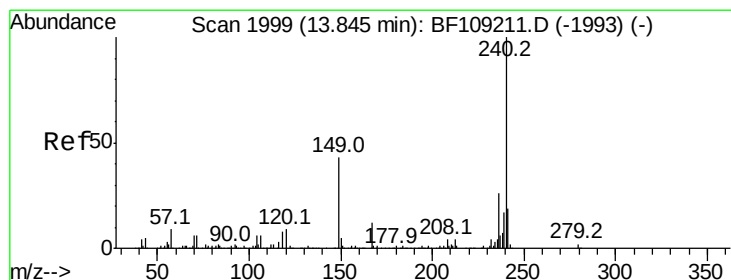
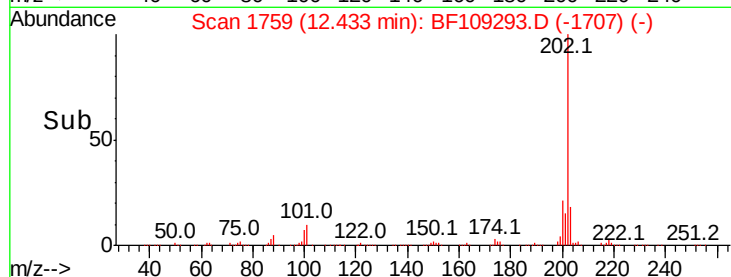
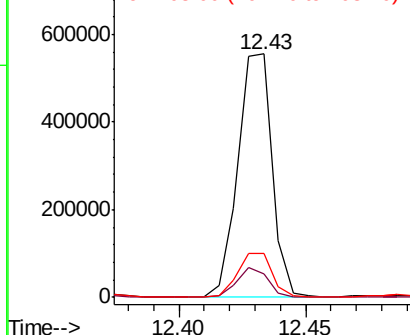
Tot Ion	Ratio	Resp	Lower	Upper
202	100	517501		
101	9.6	0.0	34.1	
203	17.9	0.0	38.1	

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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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 2000

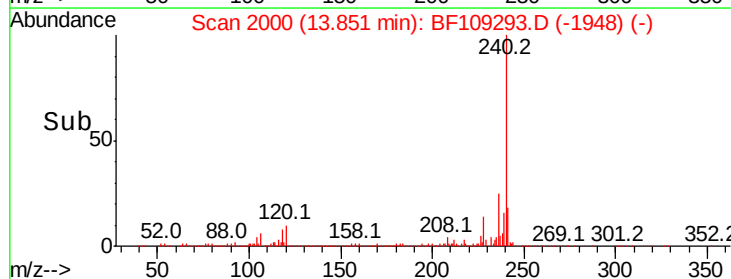
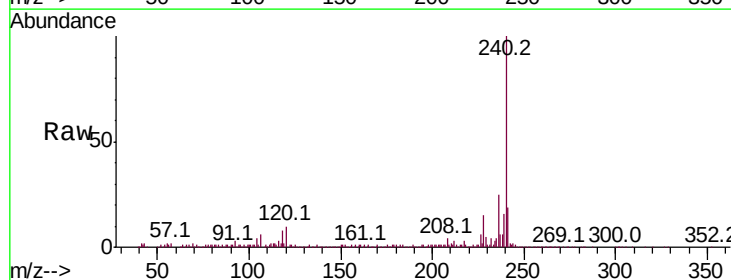
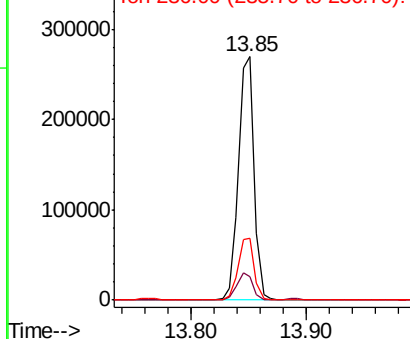
Delta R.T. 0.01 min

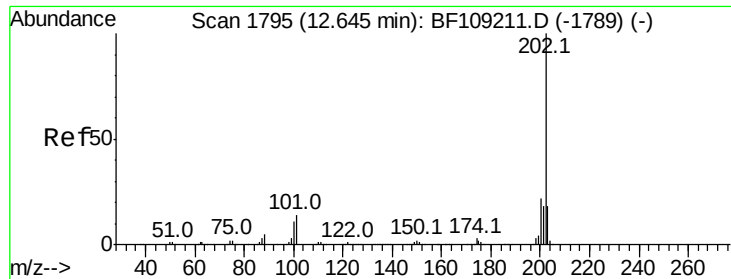
Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	253176		
120	9.7	9.5	14.3	
236	25.3	20.7	31.1	

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





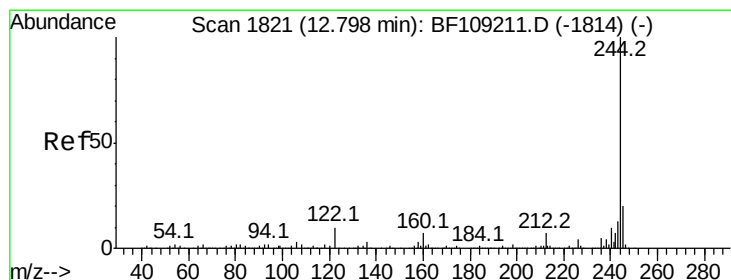
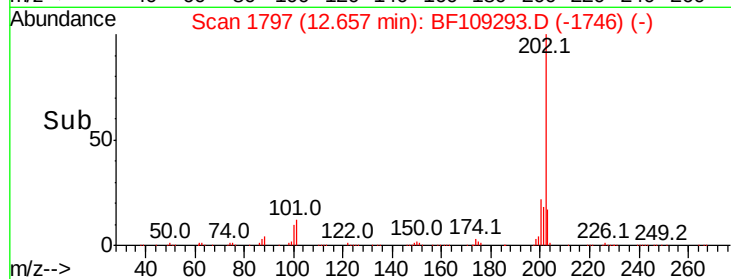
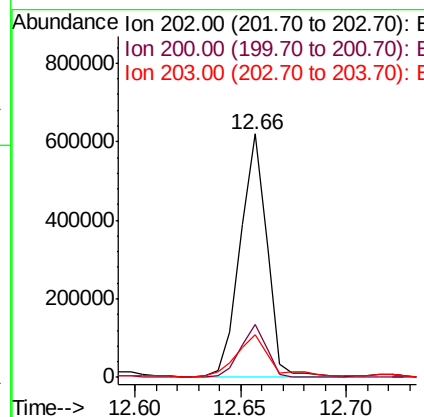
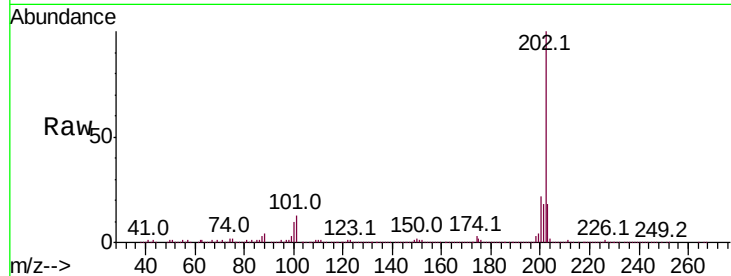
#77
Pvrene
Concen: 29.541 ng
RT: 12.66 min Scan# 1797
Delta R.T. 0.00 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Instrument :
BNA_F
ClientSampleId :
SU-3A-092418

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.8	14.3	21.5

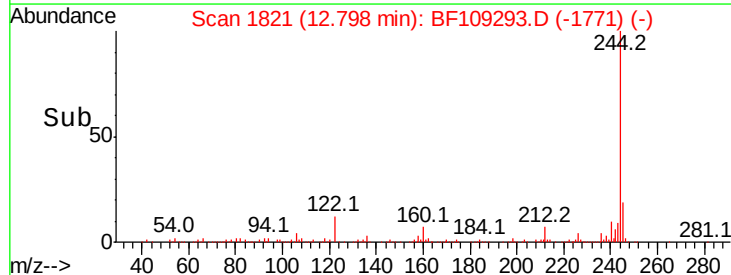
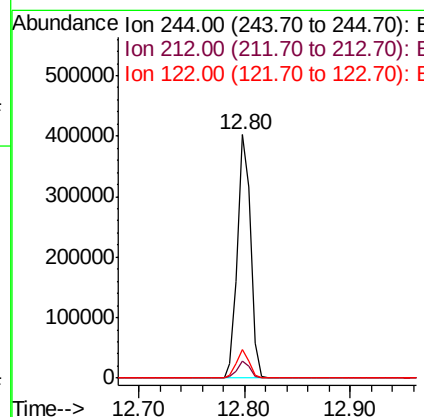
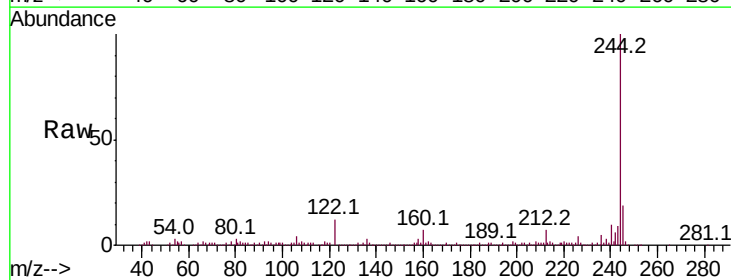
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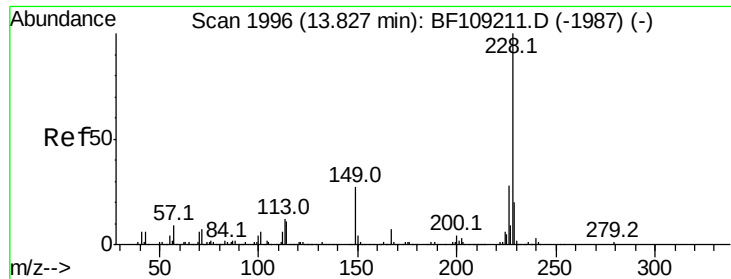
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#78
Terphenyl-d14
Concen: 33.089 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.8	11.0	16.4





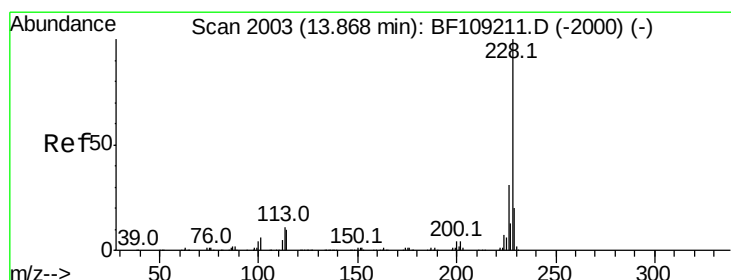
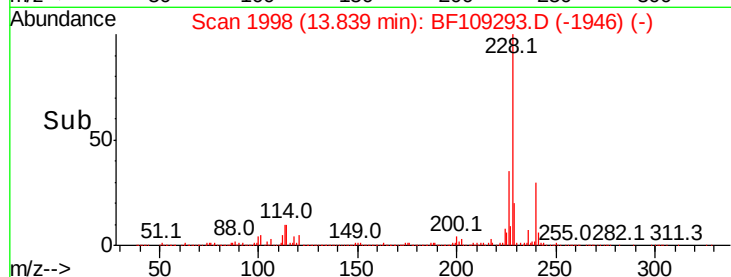
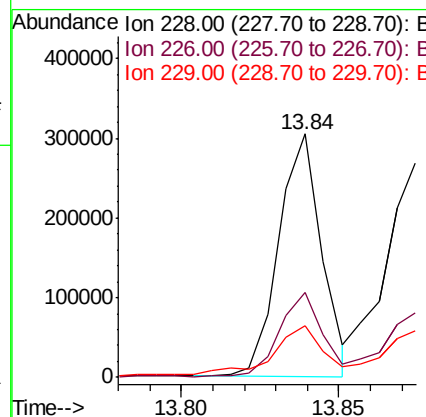
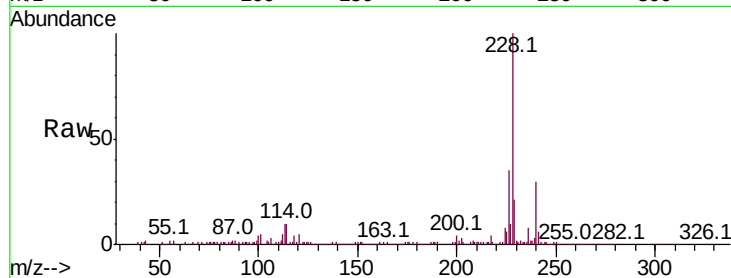
#80
Benzo(a)anthracene
Concen: 18.794 ng
RT: 13.84 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Instrument :
BNA_F
ClientSampleId :
SU-3A-092418

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.1	22.6	33.8#
229	20.9	15.8	23.6

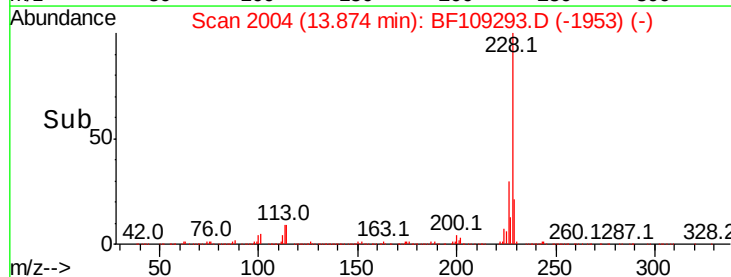
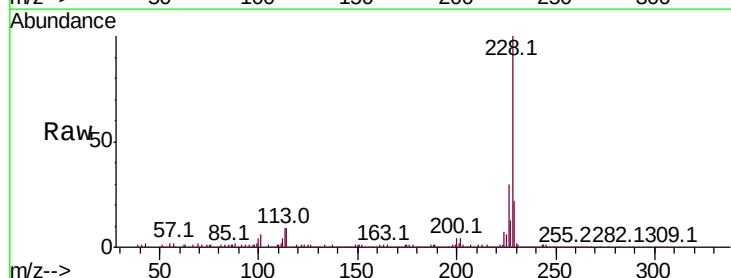
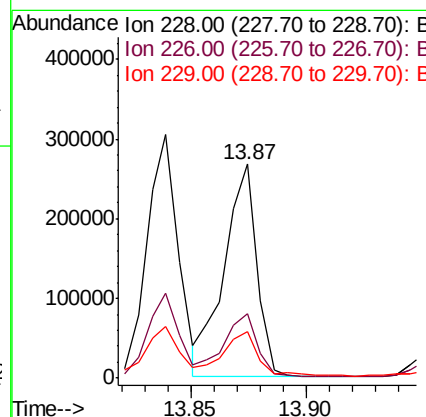
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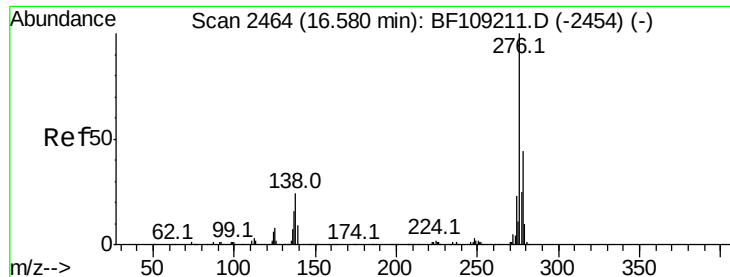
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#82
Chrysene
Concen: 17.398 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.7	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 9.476 ng

RT: 16.60 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

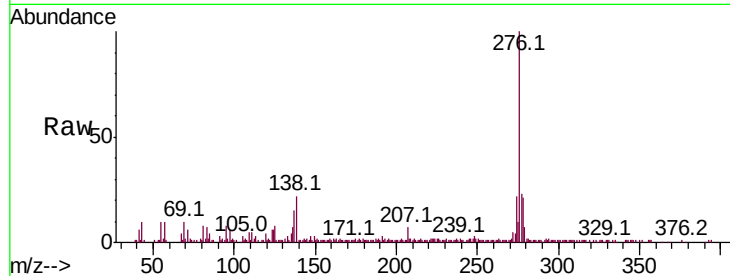
SU-3A-092418

Tot Ion:	276	Resp:	116090
Ion Ratio	Lower	Upper	
276	100		
138	21.0	25.0	37.6#
277	24.0	20.1	30.1

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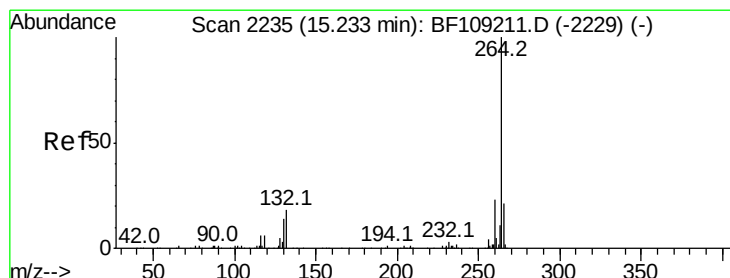
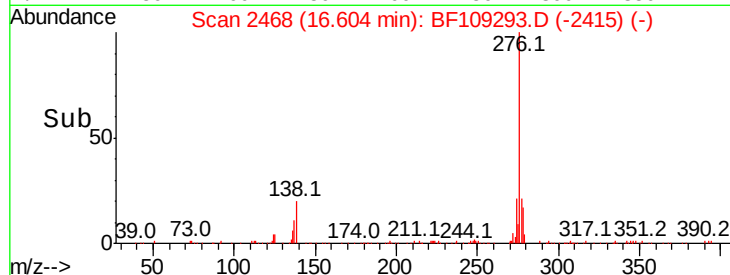
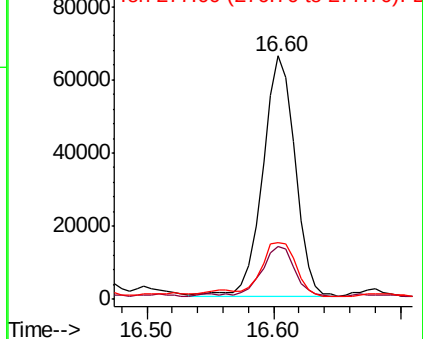
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Abundance Ion 276.00 (275.70 to 276.70): E

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

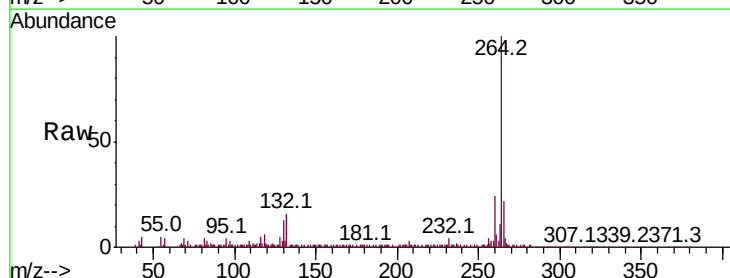
RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

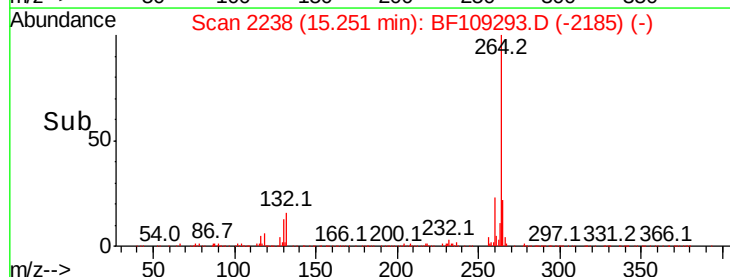
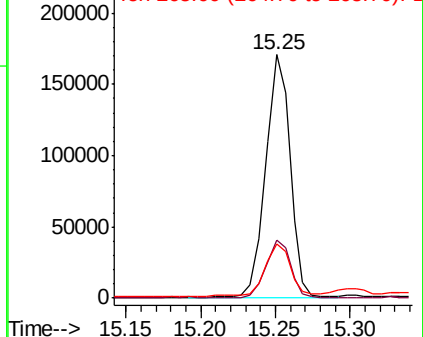
Tgt Ion:	264	Resp:	192012
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	22.2	17.5	26.3

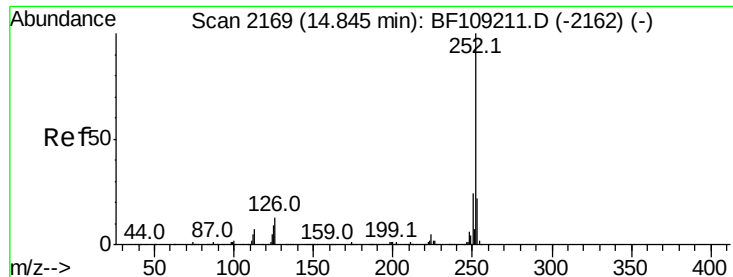


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 28.002 ng m

RT: 14.86 min Scan# 2171

Delta R.T. 0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

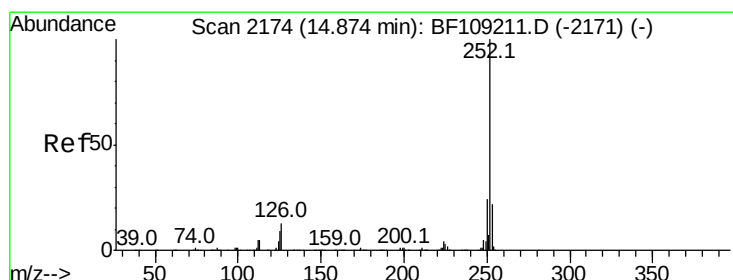
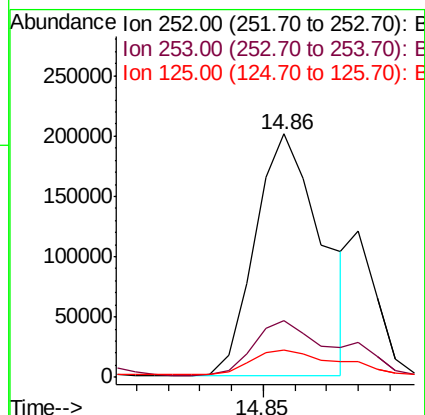
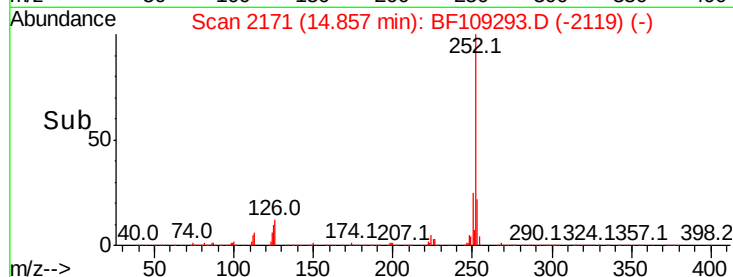
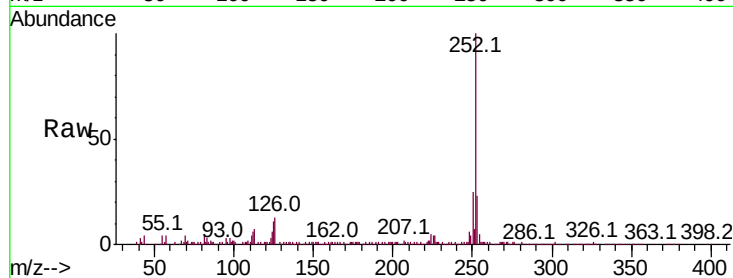
ClientSampleId :

SU-3A-092418

Tot Ion:	252	Resp:	295451
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	11.1	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 7.112 ng m

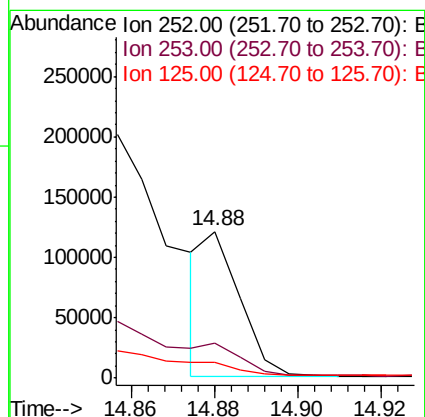
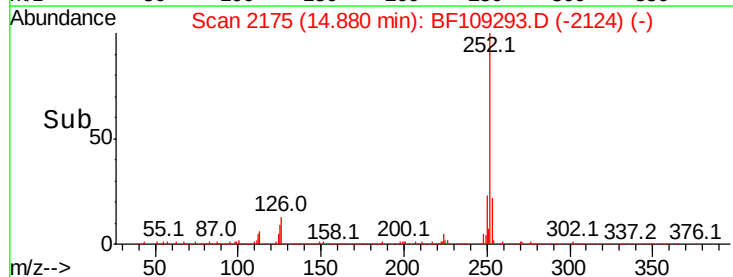
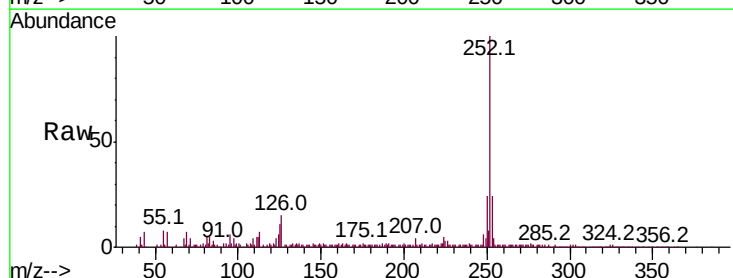
RT: 14.88 min Scan# 2175

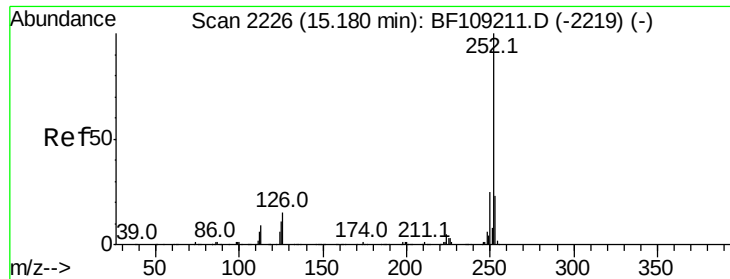
Delta R.T. 0.00 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Tgt Ion:	252	Resp:	71204
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.9	26.9
125	10.7	10.2	15.2





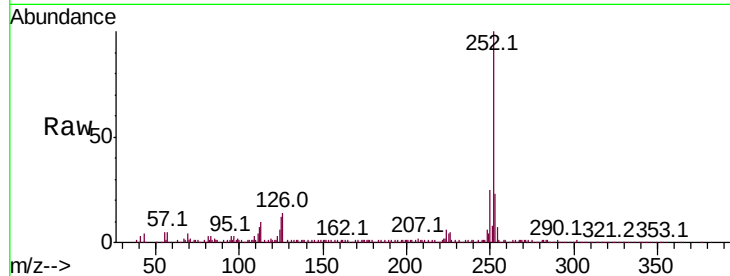
#89
Benzo(a)pyrene
Concen: 21.067 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Instrument :
BNA_F
ClientSampleId :
SU-3A-092418

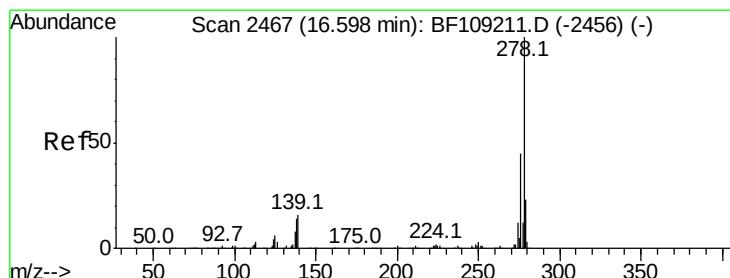
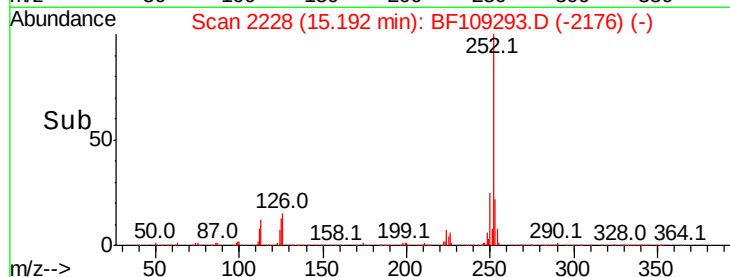
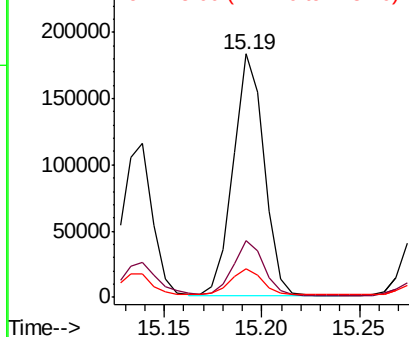
Tot Ion:	252	Resp:	200294
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.1	25.7
125	11.7	9.8	14.6

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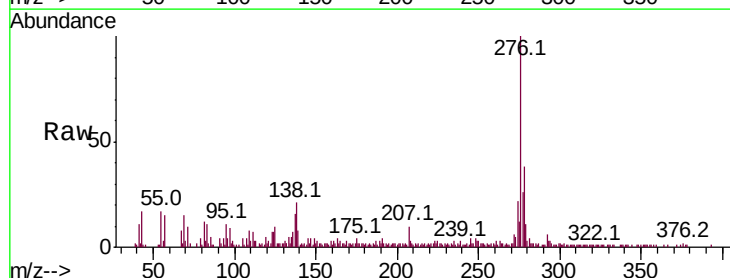


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

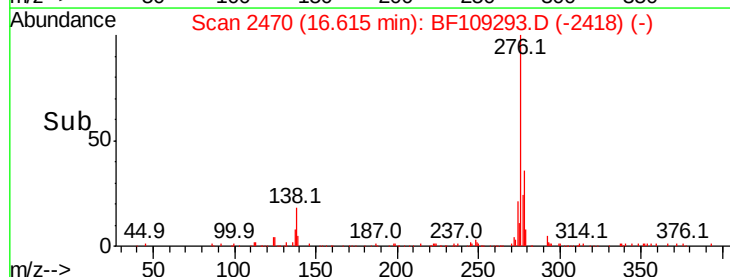
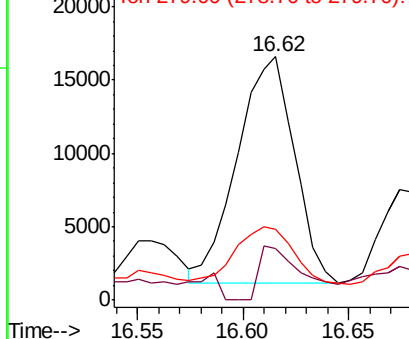


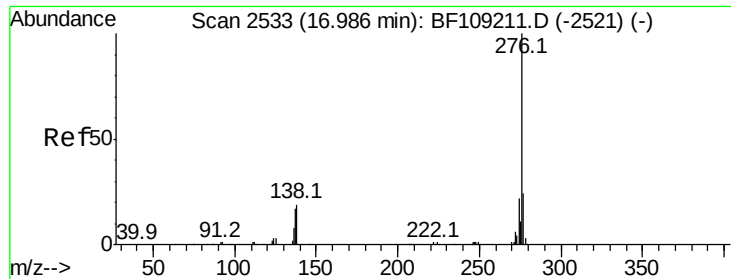
#90
Dibenzo(a,h)anthracene
Concen: 3.720 ng
RT: 16.62 min Scan# 2470
Delta R.T. 0.01 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Tgt Ion:	278	Resp:	29017
Ion Ratio	Lower	Upper	
278	100		
139	21.2	15.9	23.9
279	29.3	19.0	28.4#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 13.287 ng
 RT: 17.01 min Scan# 2537
 Delta R.T. 0.01 min
 Lab File: BF109293.D
 Acq: 25 Sep 2018 18:37

Instrument :
 BNA_F
 ClientSampleId :
 SU-3A-092418

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	20.8	21.8	32.8#

Manual Integrations
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