

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
 Data File : BF112593.D
 Acq On : 15 Feb 2019 21:54
 Operator : JU/SJ
 Sample : K1484-11 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-3-S

Manual Integrations
 APPROVED

Sohil
 2/18/2019 12:06:44 PM

Quant Time: Feb 16 00:28:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	97764	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	388669	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	182508	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	304754	20.00	ng	0.00
76) Chrysene-d12	14.01	240	238250	20.00	ng	0.00
87) Perylene-d12	15.50	264	173434	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	252552	54.87	ng	-0.01
7) Phenol-d6	6.48	99	318635	49.82	ng	-0.01
23) Nitrobenzene-d5	7.39	82	204167	30.27	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	87517	41.20	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	435165	33.72	ng	-0.02
79) Terphenyl-d14	12.94	244	343308	27.14	ng	-0.01
Target Compounds						
75) Fluoranthene	12.58	202	57228	3.368	ng	Qvalue 95
78) Pyrene	12.81	202	50752	3.077	ng	100
81) Benzo(a)anthracene	14.00	228	31637	2.259	ng	97
83) Chrysene	14.04	228	27581m	2.063	ng	
88) Benzo(b)fluoranthene	15.06	252	31431m	3.030	ng	
90) Benzo(a)pyrene	15.43	252	20806	2.229	ng	# 84

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

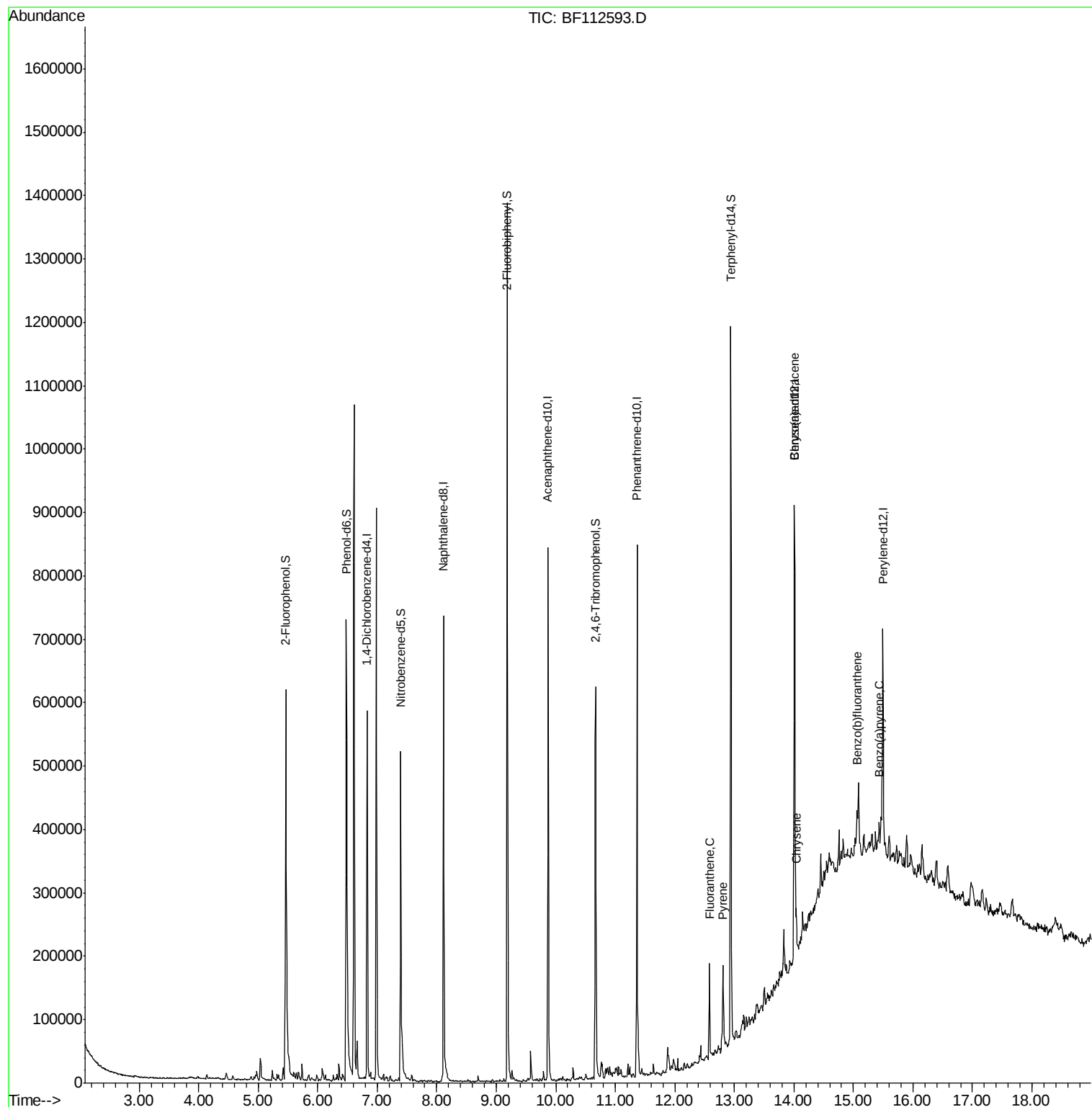
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
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ALS Vial : 17 Sample Multiplier: 1

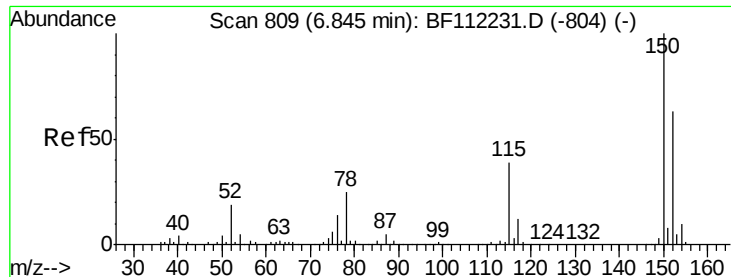
Instrument :
BNA_F
ClientSampleId :
M-3-S

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#1

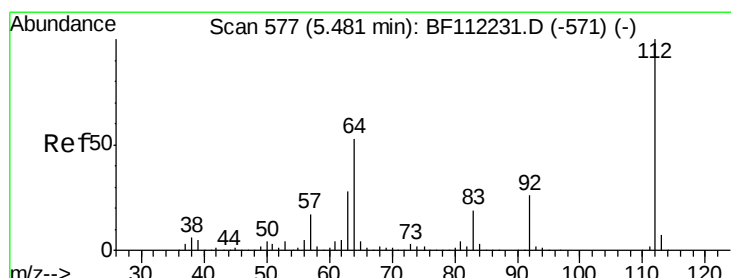
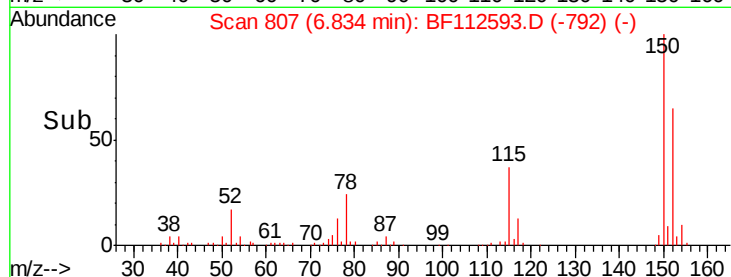
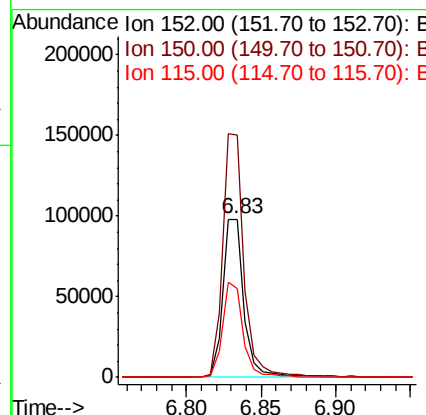
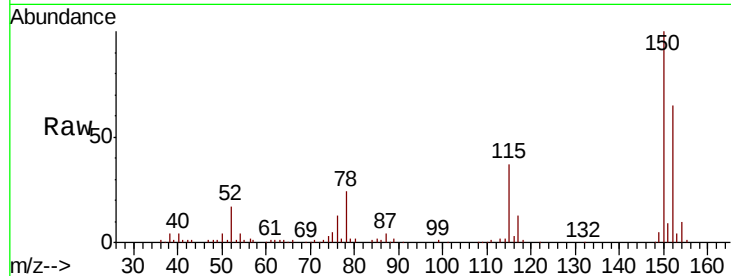
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112593.D
Acq: 15 Feb 2019 21:54

Instrument :
BNA_F
ClientSampleId :
M-3-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	127.4	191.0
115	56.6	45.5	68.3

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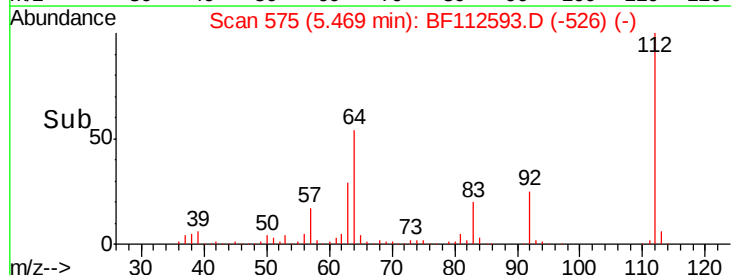
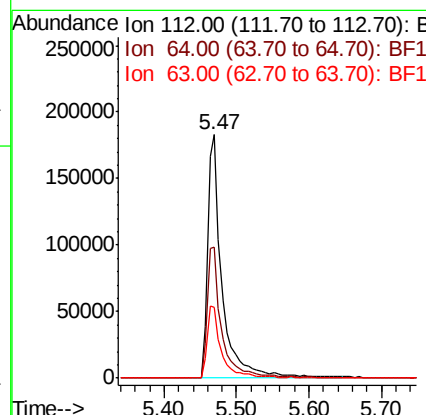
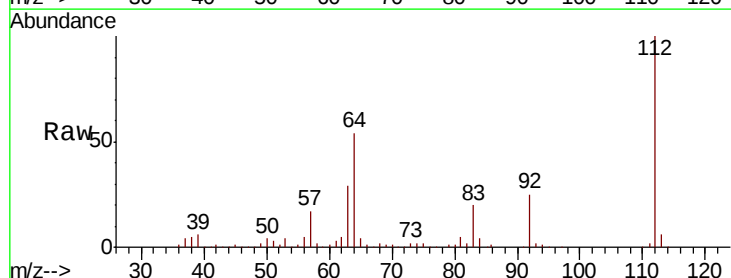
Sohil
2/18/2019 12:06:44 PM

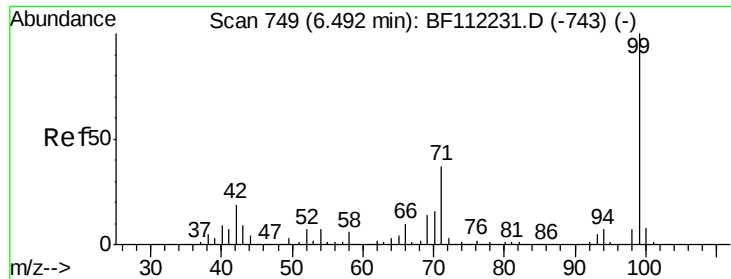


#5

2-Fluorophenol
Concen: 54.871 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112593.D
Acq: 15 Feb 2019 21:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	45.7	68.5
63	29.2	23.6	35.4





#7

Phenol-d6

Concen: 49.820 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Instrument :

BNA_F

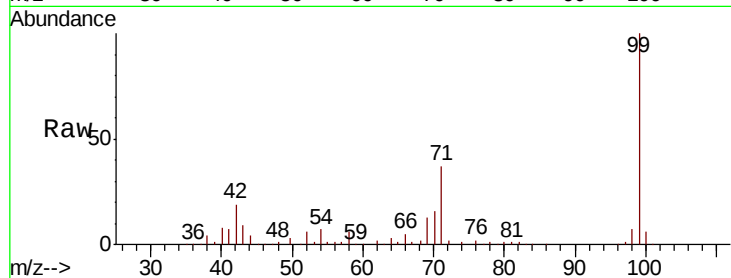
ClientSampleId :

M-3-S

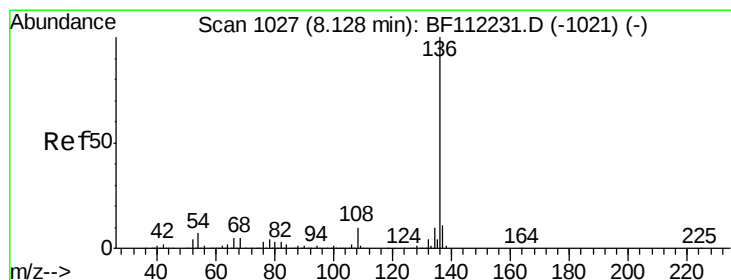
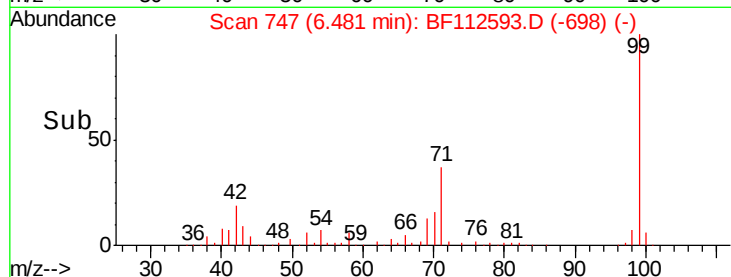
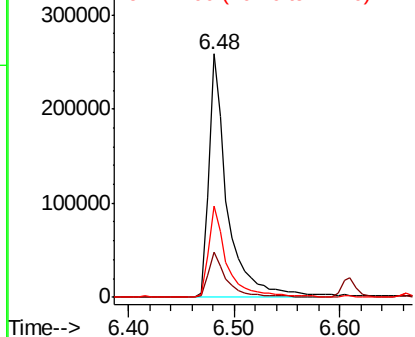
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		318635		
42	18.7	15.1	22.7		
71	37.3	26.9	40.3		

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Abundance Ion 99.00 (98.70 to 99.70): BF1
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: 8.12 min Scan# 1025

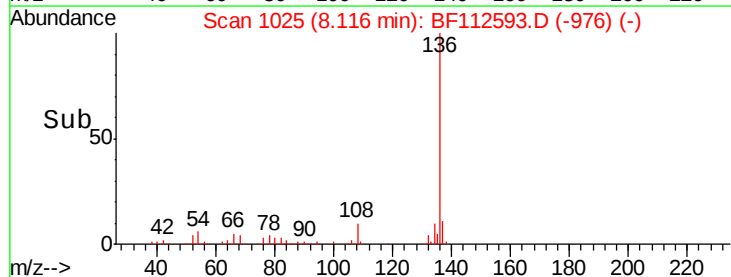
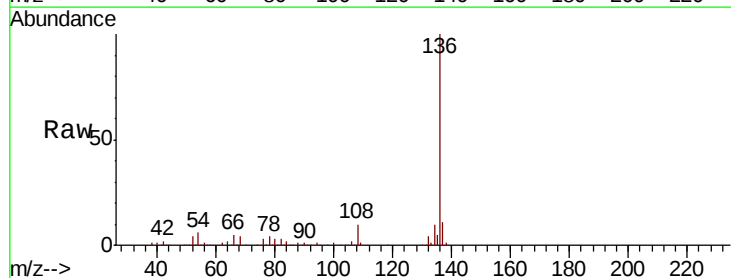
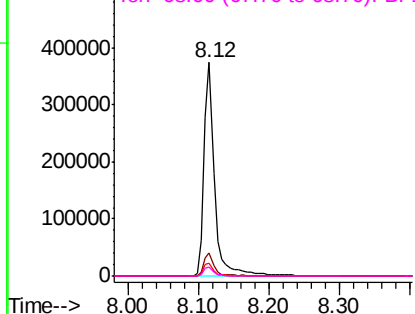
Delta R.T. -0.01 min

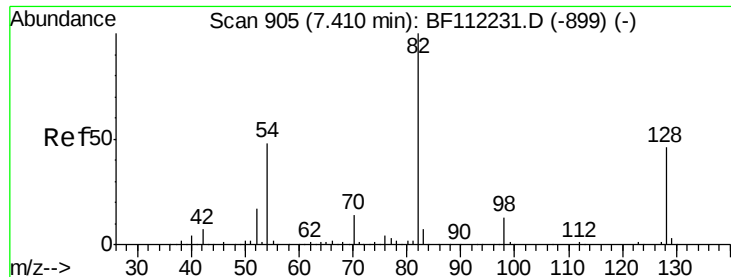
Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		388669		
137	10.7	9.1	13.7		
54	5.9	5.9	8.9		
68	4.2	5.1	7.7#		

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





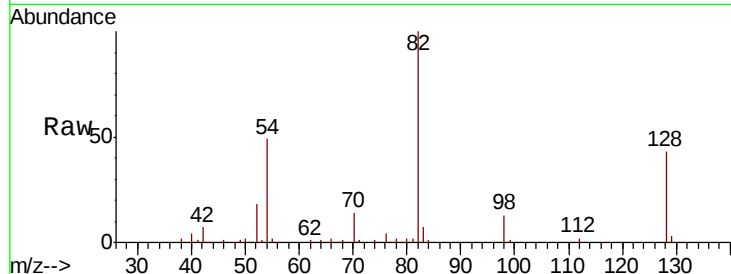
#23
 Nitrobenzene-d5
 Concen: 30.268 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.02 min
 Lab File: BF112593.D
 Acq: 15 Feb 2019 21:54

Instrument :
 BNA_F
 ClientSampled :
 M-3-S

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	37.8	56.8
54	48.7	39.7	59.5

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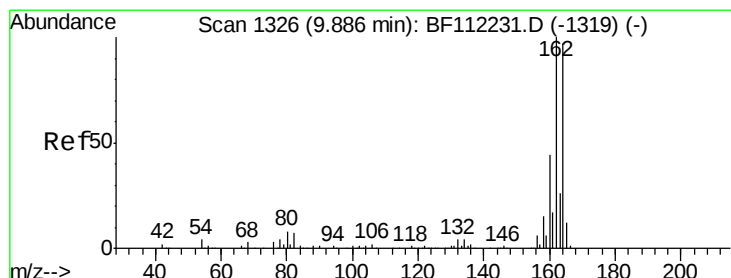
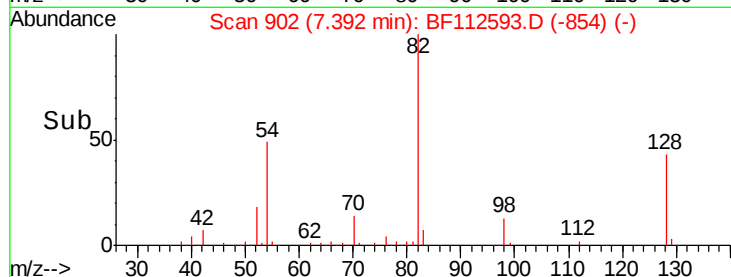
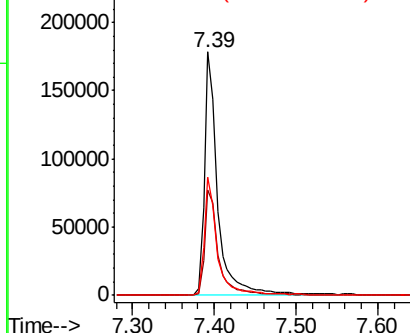


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112593.D
 Acq: 15 Feb 2019 21:54

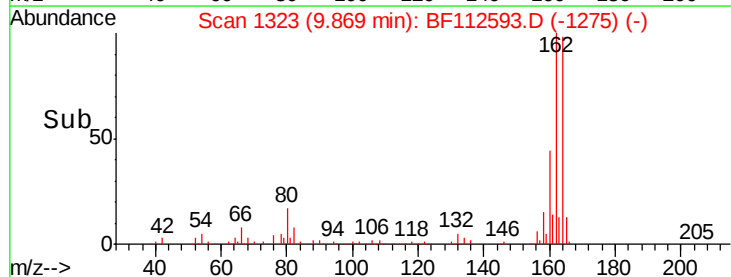
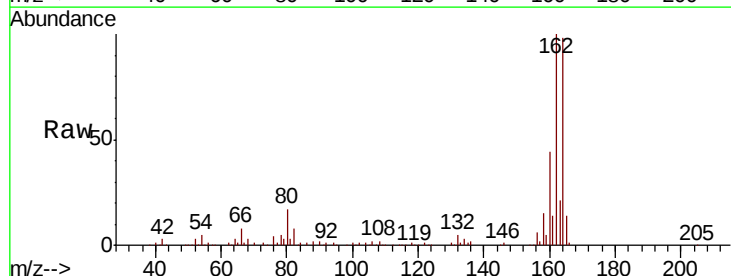
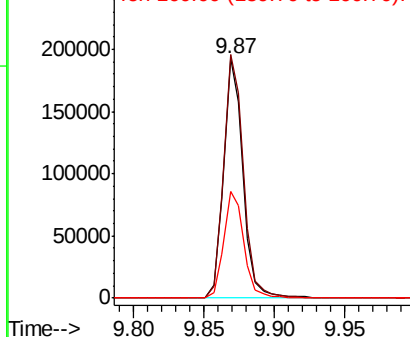
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.2	123.4
160	44.5	36.2	54.4

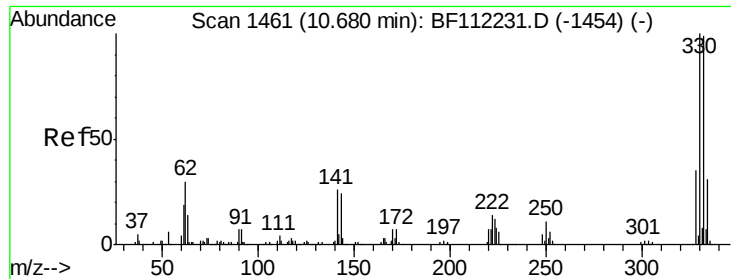
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 41.197 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Instrument :

BNA_F

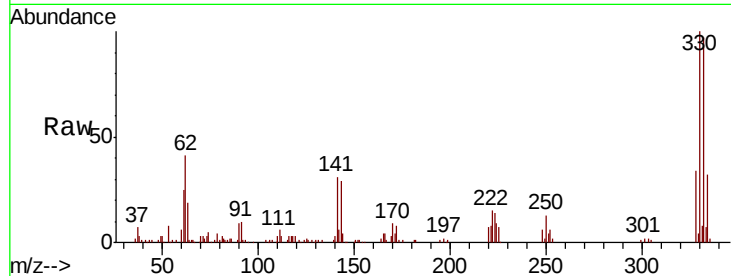
ClientSampled :

M-3-S

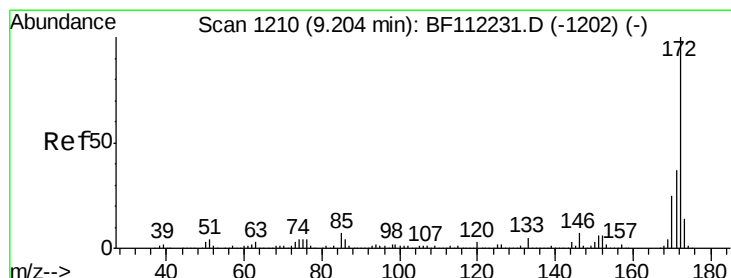
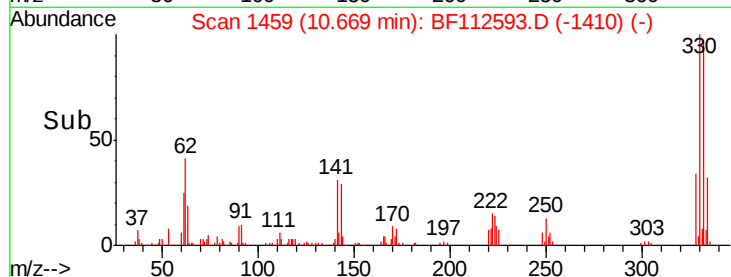
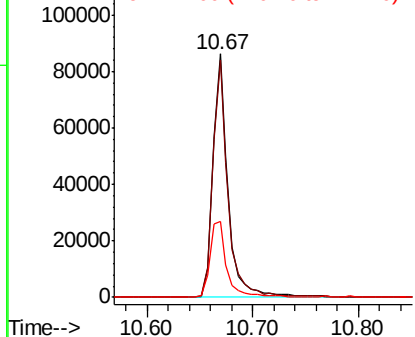
Tot Ion:	330	Resp:	87517
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.6	114.8
141	34.2	24.3	36.5

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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



#45

2-Fluorobiphenyl

Concen: 33.723 ng

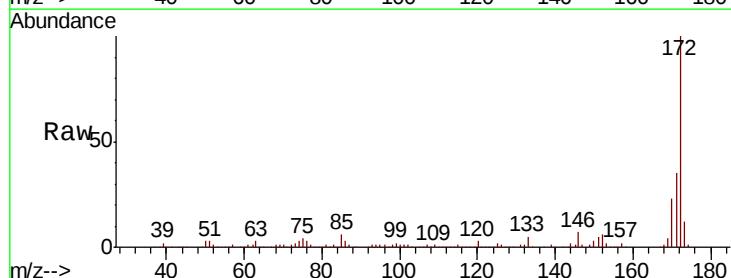
RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

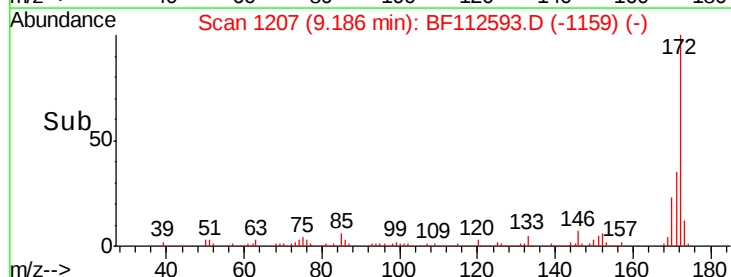
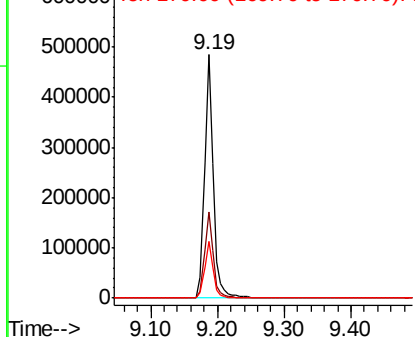
Lab File: BF112593.D

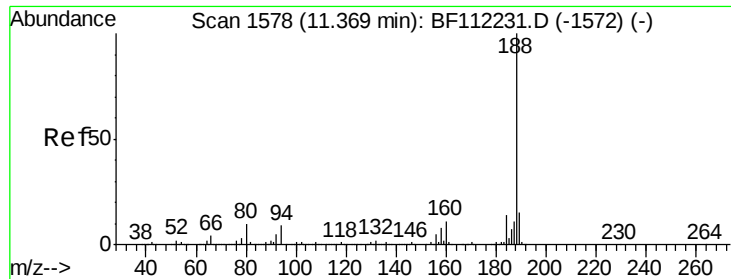
Acq: 15 Feb 2019 21:54

Tgt Ion:	172	Resp:	435165
Ion Ratio	Lower	Upper	
172	100		
171	35.4	30.5	45.7
170	23.2	20.2	30.4



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Instrument :

BNA_F

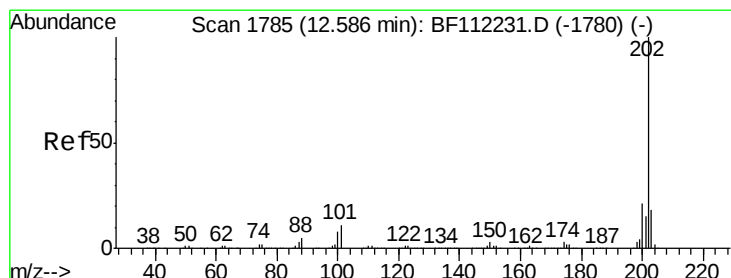
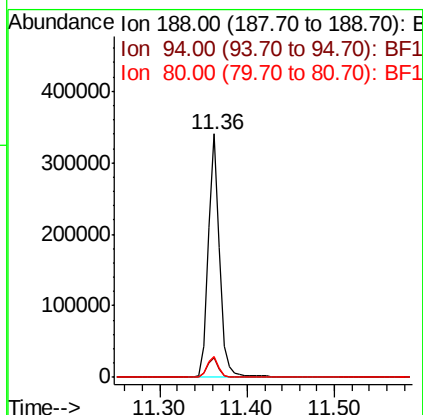
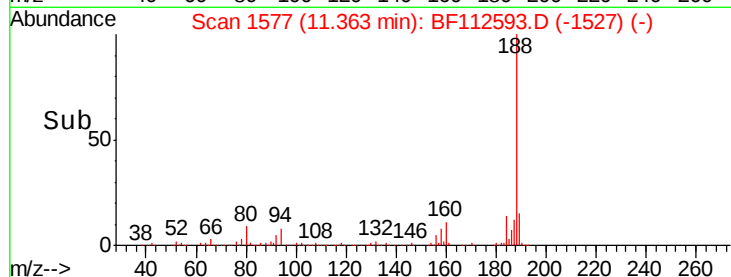
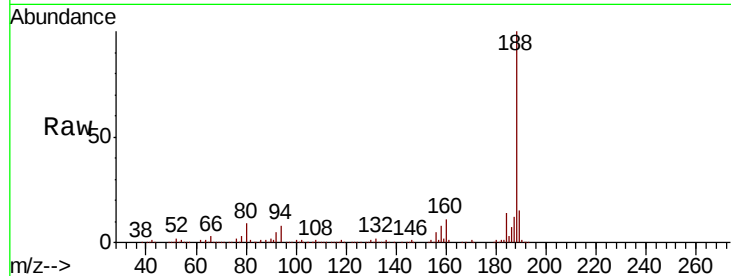
ClientSampleId :

M-3-S

Tot Ion:	188	Resp:	304754
Ion Ratio		Lower	Upper
188	100		
94	8.0	8.2	12.2#
80	8.7	8.9	13.3#

Manual Integrations
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#75

Fluoranthene

Concen: 3.368 ng

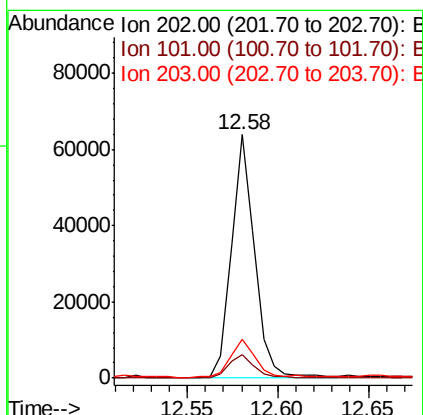
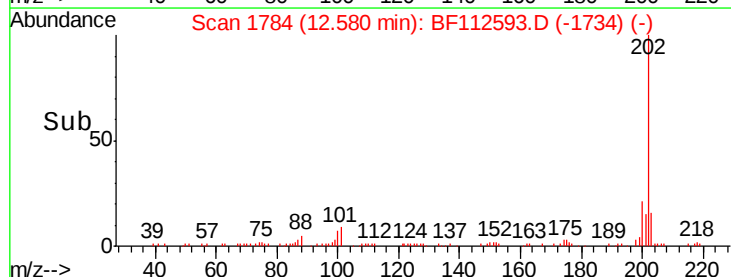
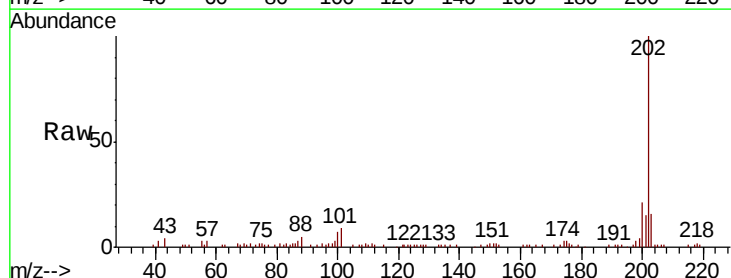
RT: 12.58 min Scan# 1784

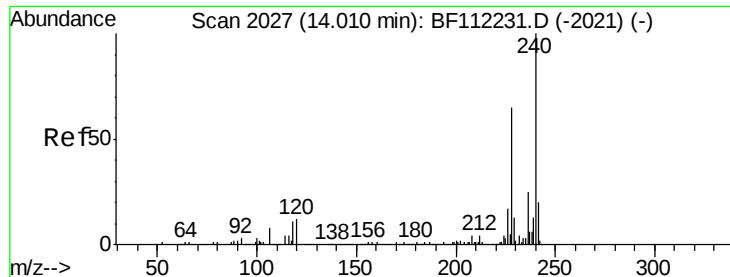
Delta R.T. -0.01 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Tgt Ion:	202	Resp:	57228
Ion Ratio		Lower	Upper
202	100		
101	9.5	0.0	31.8
203	16.1	0.0	38.4





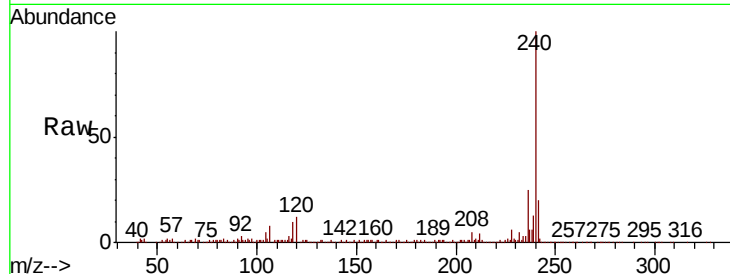
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF112593.D
Acq: 15 Feb 2019 21:54

Instrument :
BNA_F
ClientSampleId :
M-3-S

Tot Ion	Ratio	Resp	Lower	Upper
240	100	238250		
120	11.7	9.0	13.6	
236	25.3	20.7	31.1	

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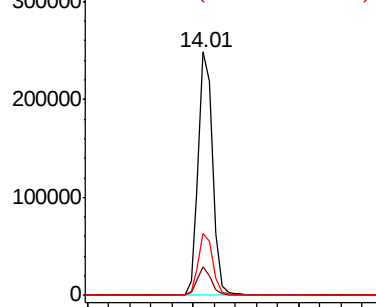


Abundance

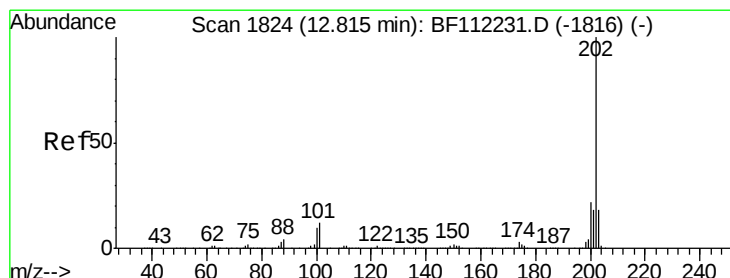
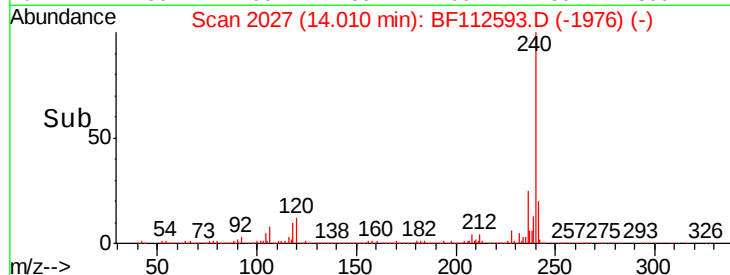
Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

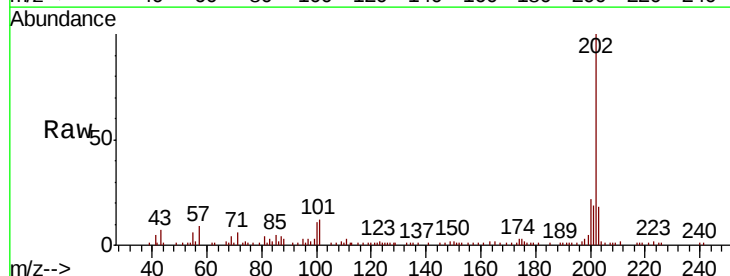


Time--> 13.90 14.00 14.10



#78
Pyrene
Concen: 3.077 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF112593.D
Acq: 15 Feb 2019 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	50752		
200	22.1	17.7	26.5	
203	18.3	14.6	22.0	

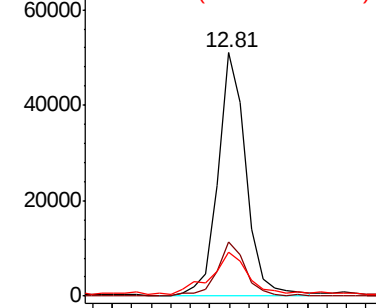


Abundance

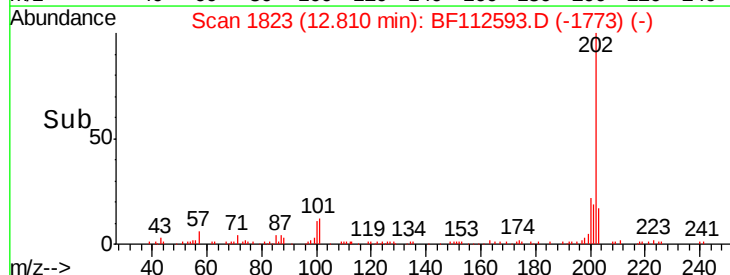
Ion 202.00 (201.70 to 202.70): E

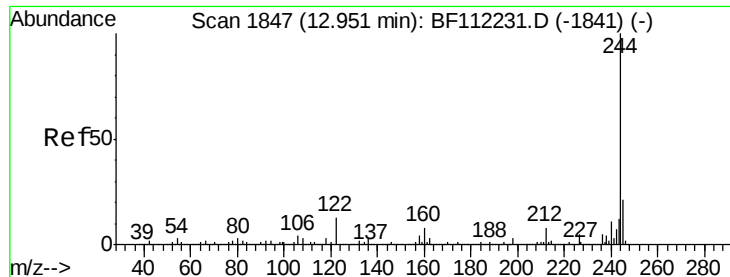
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.75 12.80 12.85





#79

Terphenyl-d14

Concen: 27.140 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Instrument :

BNA_F

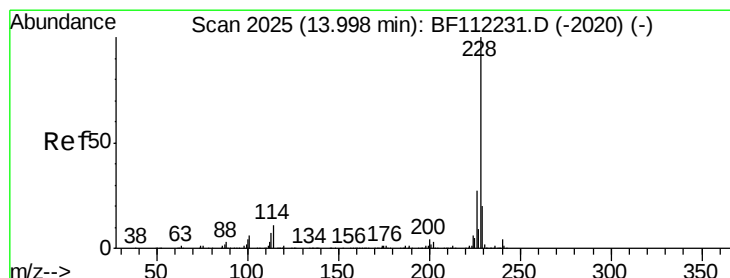
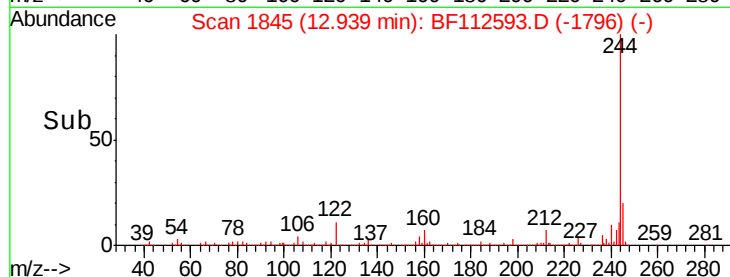
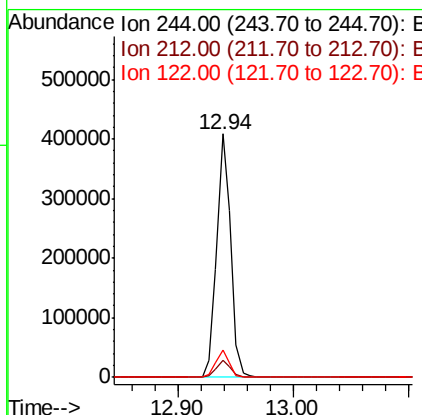
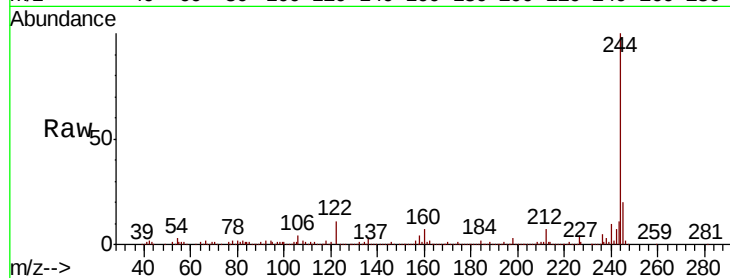
Client Sampled :

M-3-S

Tot Ion:	244	Resp:	343308
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.9	8.9
122	11.2	9.8	14.6

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#81

Benzo(a)anthracene

Concen: 2.259 ng

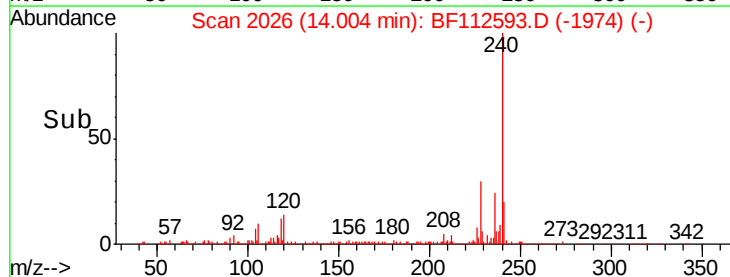
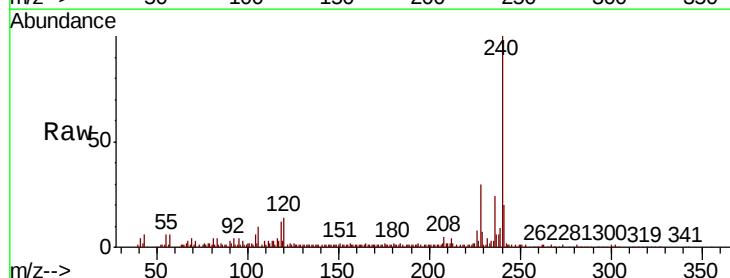
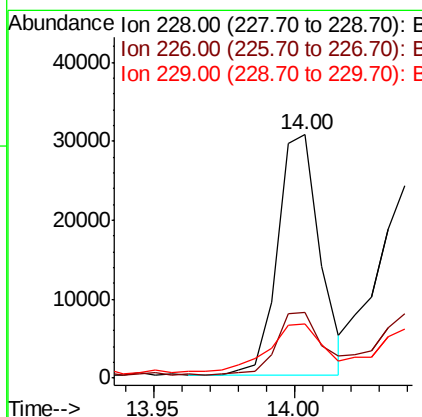
RT: 14.00 min Scan# 2026

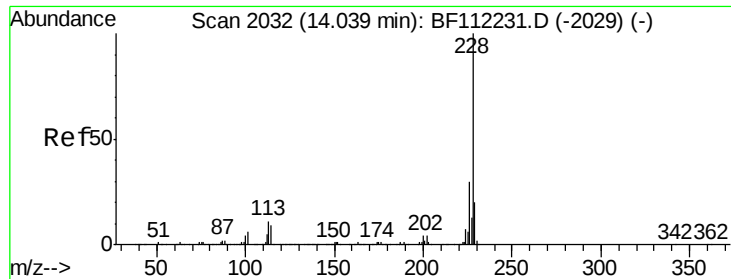
Delta R.T. 0.01 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Tgt Ion:	228	Resp:	31637
Ion Ratio		Lower	Upper
228	100		
226	26.9	22.6	34.0
229	22.0	16.5	24.7





#83

Chrysene

Concen: 2.063 ng/mL

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Instrument :

BNA_F

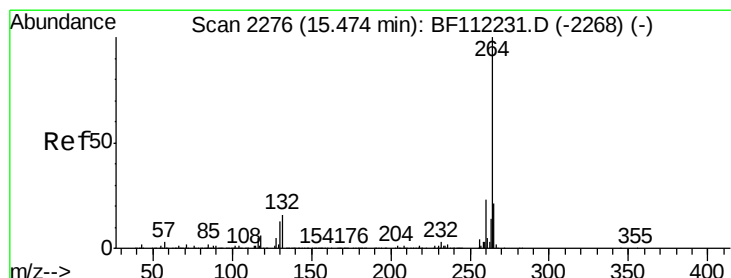
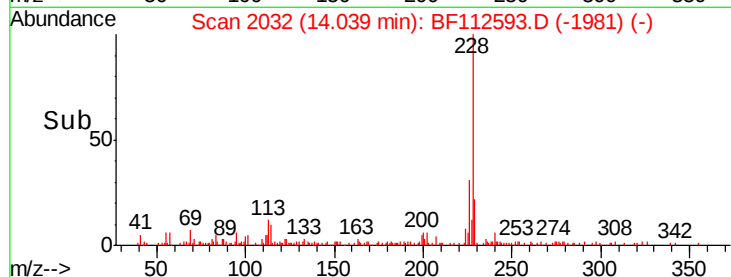
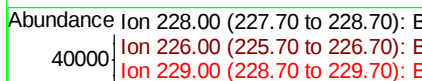
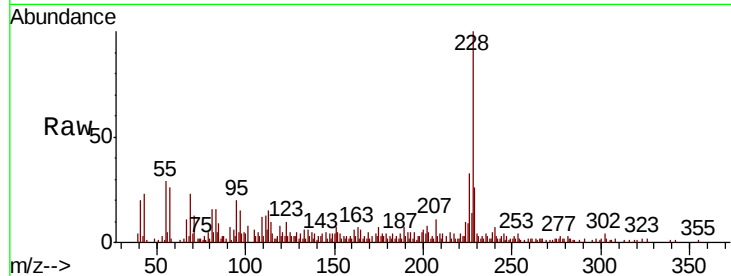
ClientSampled :

M-3-S

Tot Ion:	228	Resp:	27581
Ion Ratio	Lower	Upper	
228	100		
226	33.2	25.0	37.6
229	25.7	16.6	24.8

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#87

Perylene-d12

Concen: 20.000 ng

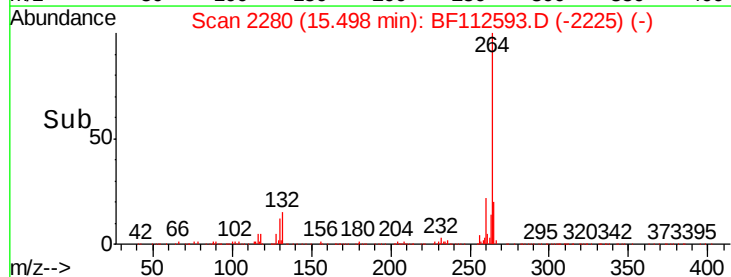
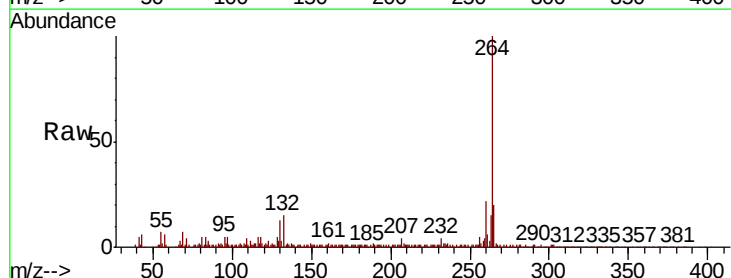
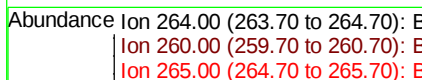
RT: 15.50 min Scan# 2280

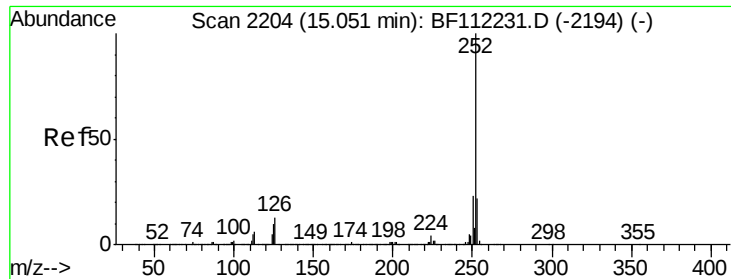
Delta R.T. 0.02 min

Lab File: BF112593.D

Acq: 15 Feb 2019 21:54

Tgt Ion:	264	Resp:	173434
Ion Ratio	Lower	Upper	
264	100		
260	22.2	18.2	27.2
265	20.2	17.0	25.4





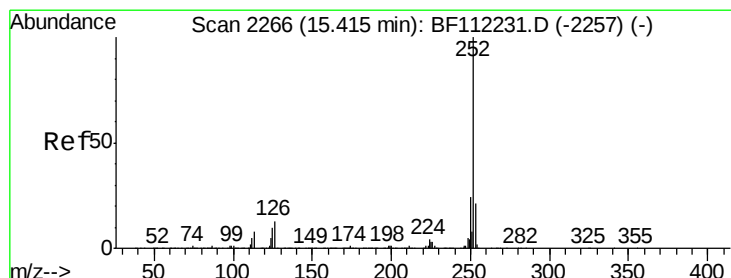
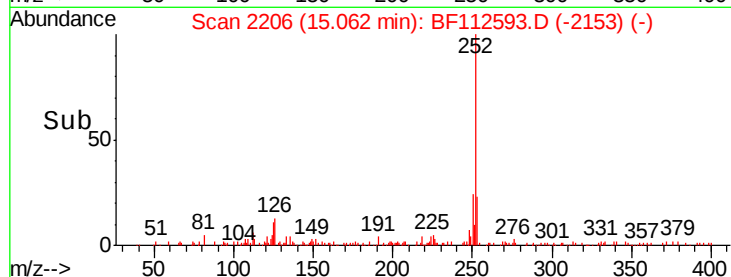
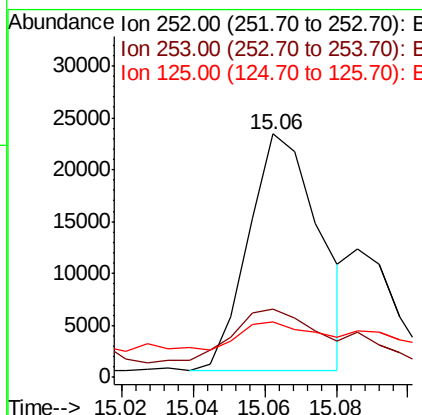
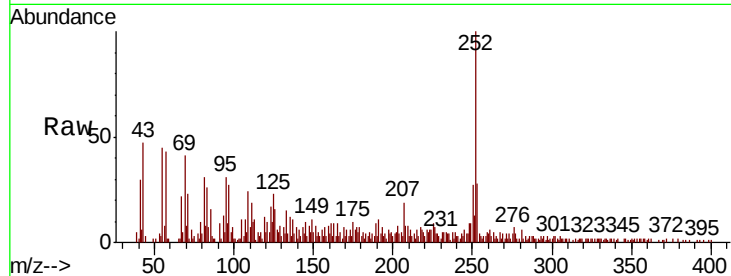
#88
Benzo(b)fluoranthene
Concen: 3.030 ng/mL
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112593.D
Acq: 15 Feb 2019 21:54

Instrument :
BNA_F
ClientSampleId :
M-3-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.9	18.0	27.0#
125	22.9	8.7	13.1#

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#90
Benzo(a)pyrene
Concen: 2.229 ng/mL
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112593.D
Acq: 15 Feb 2019 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.5	26.3
125	23.0	9.0	13.4#

