

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
 Data File : BF112690.D
 Acq On : 25 Feb 2019 14:14
 Operator : JU/SJ
 Sample : K1595-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-E-WALL-GRADE-BEAM

Manual Integrations
 APPROVED

Sohil
 2/26/2019 2:39:09 PM

Quant Time: Feb 25 15:43:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 25 14:05:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	49634	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	188485	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	87159	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	136698	20.00	ng	0.00
76) Chrysene-d12	13.98	240	116016	20.00	ng	0.00
87) Perylene-d12	15.46	264	105230	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	264023	112.99	ng	0.00
7) Phenol-d6	6.48	99	338233	104.17	ng	-0.01
23) Nitrobenzene-d5	7.38	82	211601	64.69	ng	-0.01
42) 2,4,6-Tribromophenol	10.65	330	79975	78.83	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	400620	65.01	ng	0.00
79) Terphenyl-d14	12.91	244	281512	45.70	ng	-0.01
Target Compounds						
10) Phenol	6.50	94	10106	2.837	ng	Qvalue # 57
50) Dimethylphthalate	9.56	163	30312	4.476	ng	99
71) Phenanthrene	11.36	178	131294	18.475	ng	97
72) Anthracene	11.42	178	27744m	3.919	ng	
75) Fluoranthene	12.56	202	144534	18.962	ng	94
78) Pyrene	12.79	202	127705	15.899	ng	96
80) Butylbenzylphthalate	13.37	149	23758	6.113	ng	89
81) Benzo(a)anthracene	13.97	228	65499	9.604	ng	96
83) Chrysene	14.01	228	61267	9.411	ng	96
86) Indeno(1,2,3-cd)pyrene	16.96	276	32313	6.264	ng	# 90
88) Benzo(b)fluoranthene	15.03	252	82499m	13.109	ng	
89) Benzo(k)fluoranthene	15.05	252	25381m	4.211	ng	
90) Benzo(a)pyrene	15.40	252	54605	9.643	ng	96
91) Dibenzo(a,h)anthracene	16.95	278	9719	2.130	ng	# 89
92) Benzo(a,h,i)perylene	17.42	276	29664	6.890	ng	# 86

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

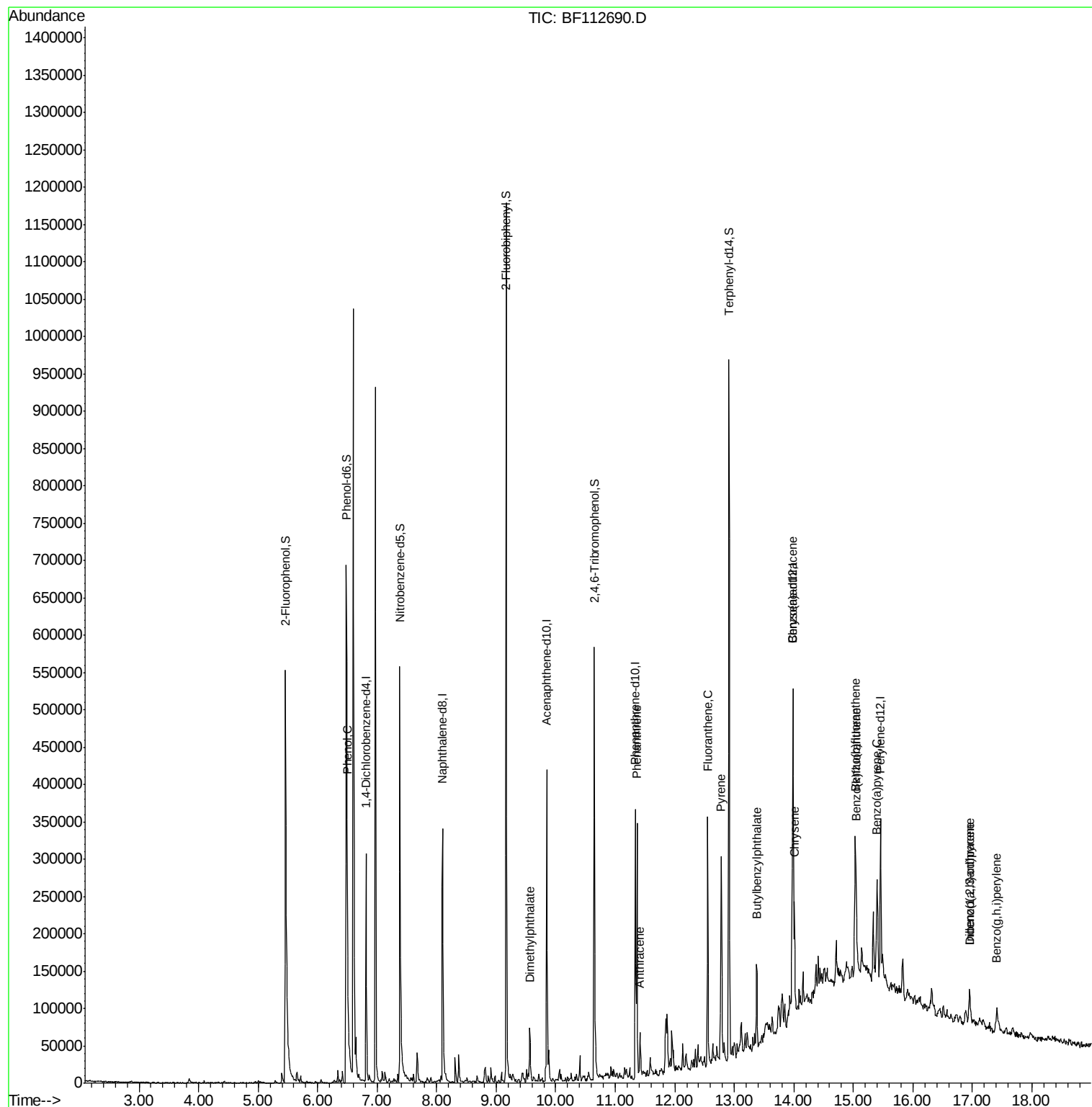
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
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#1

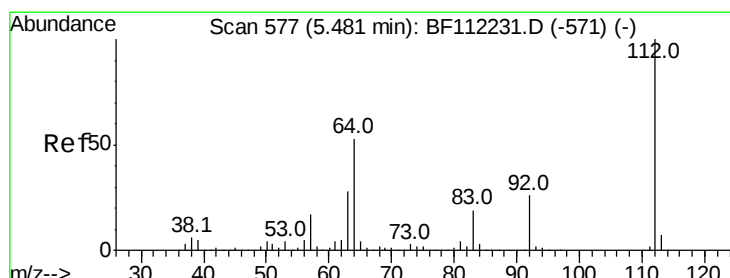
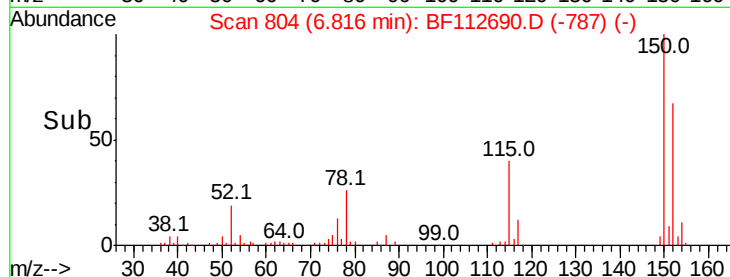
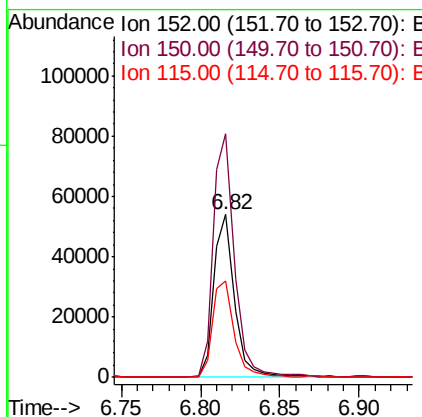
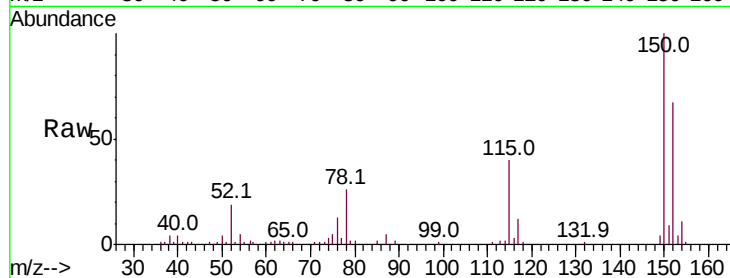
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF112690.D
Acq: 25 Feb 2019 14:14

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.8	127.4	191.0
115	59.3	45.5	68.3

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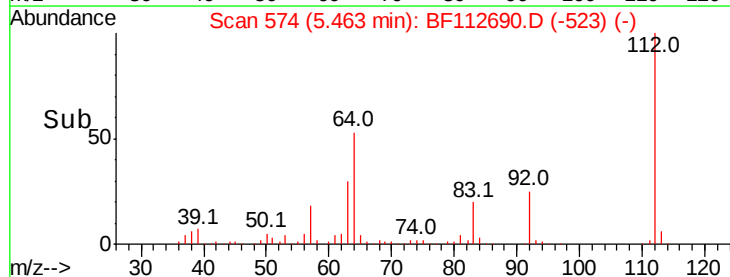
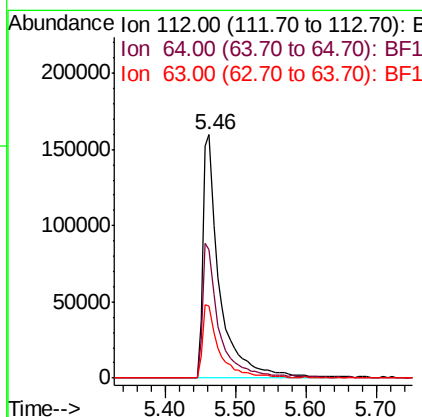
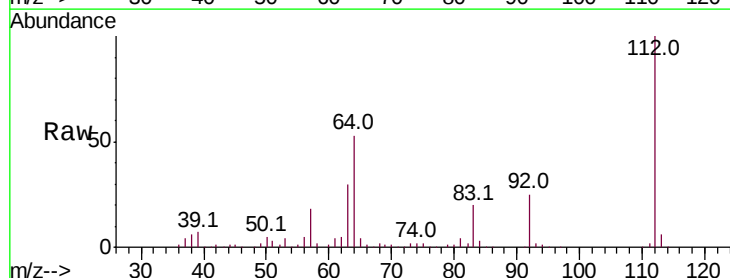
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#5

2-Fluorophenol
Concen: 112.988 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF112690.D
Acq: 25 Feb 2019 14:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	45.7	68.5
63	29.5	23.6	35.4





#7

Phenol-d6

Concen: 104.167 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112690.D

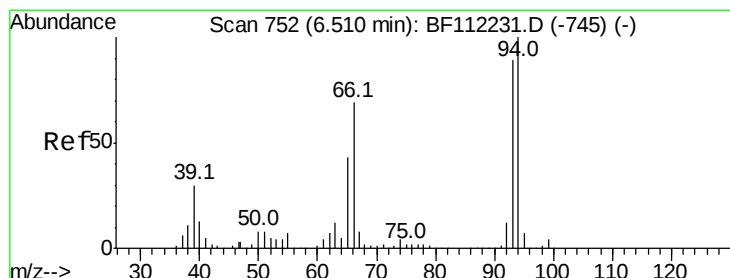
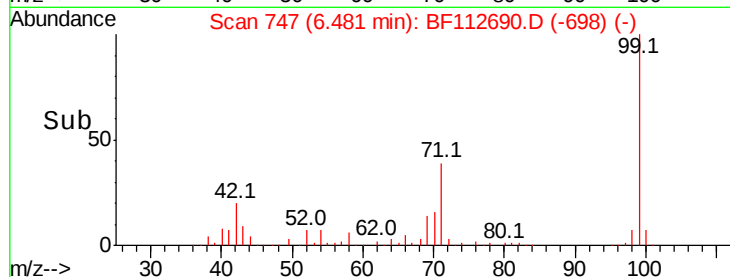
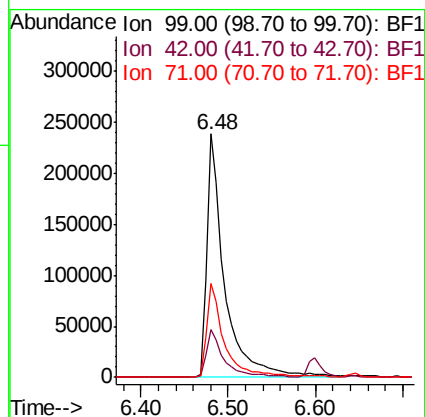
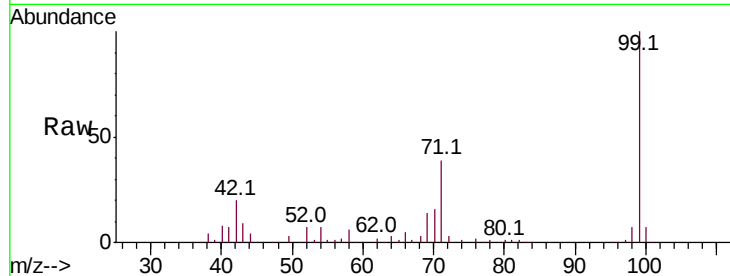
Acq: 25 Feb 2019 14:14

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion:	99	Resp:	338233
Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.1	22.7
71	38.7	26.9	40.3

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#10

Phenol

Concen: 2.837 ng

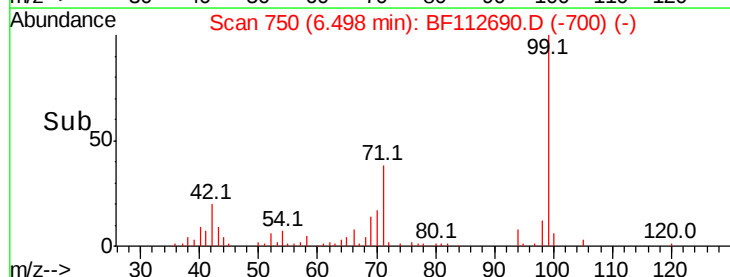
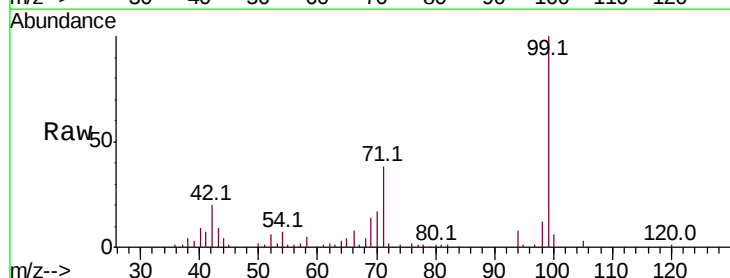
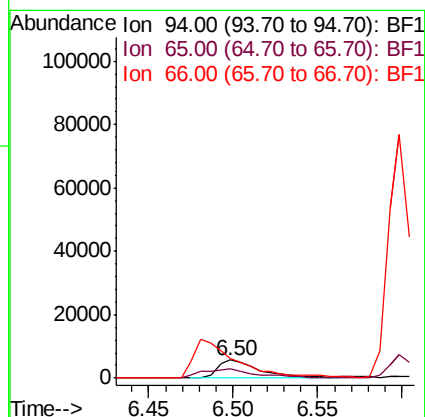
RT: 6.50 min Scan# 750

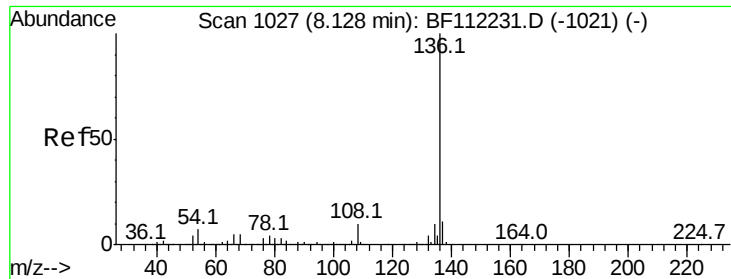
Delta R.T. -0.01 min

Lab File: BF112690.D

Acq: 25 Feb 2019 14:14

Tgt Ion:	94	Resp:	10106
Ion	Ratio	Lower	Upper
94	100		
65	52.1	20.3	60.3
66	107.9	42.4	82.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF112690.D

Acq: 25 Feb 2019 14:14

Instrument :

BNA_F

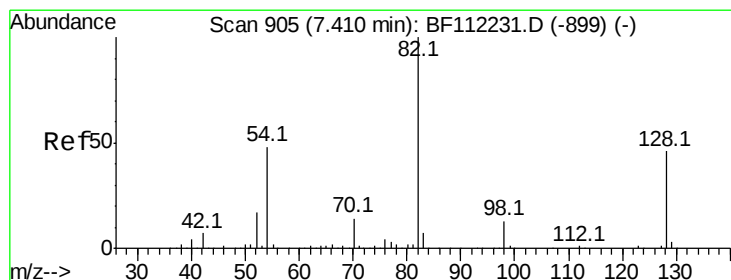
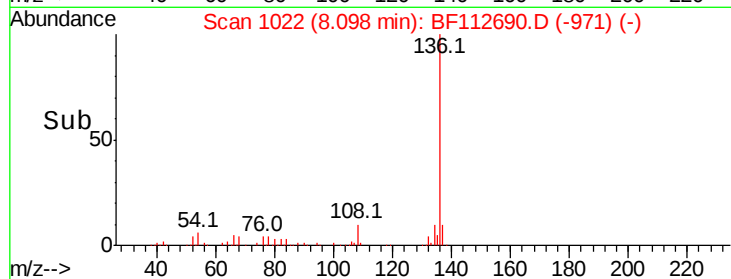
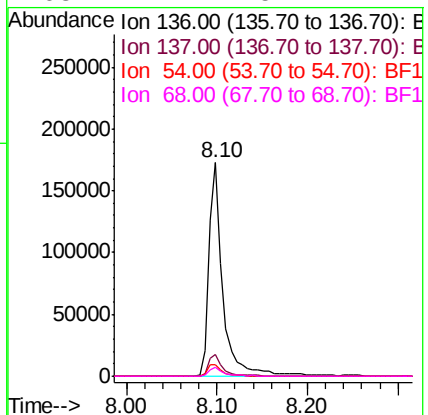
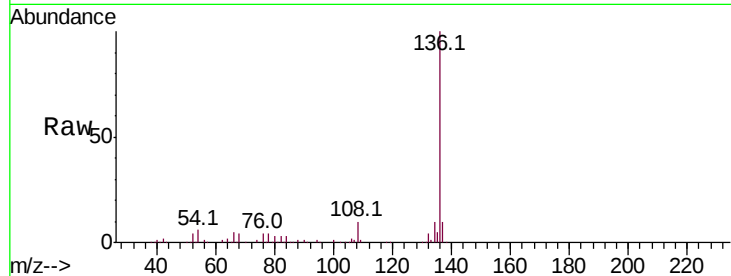
ClientSampleId :

TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.4	9.1	13.7	
54	5.5	5.9	8.9#	
68	4.4	5.1	7.7#	

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#23

Nitrobenzene-d5

Concen: 64.686 ng

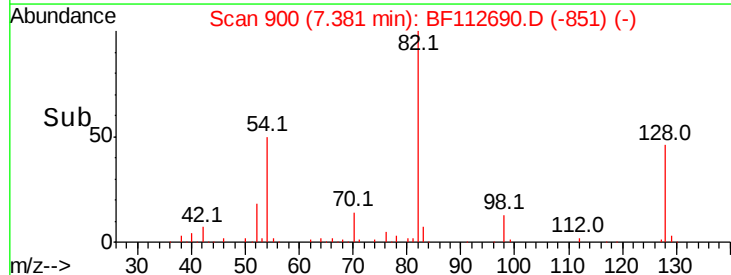
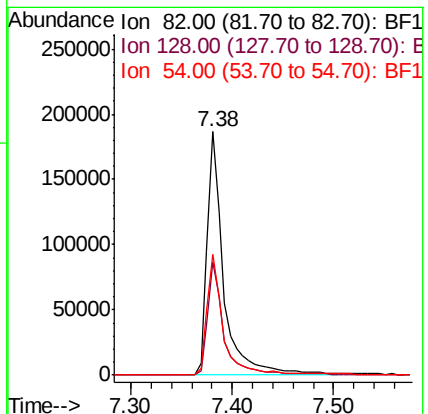
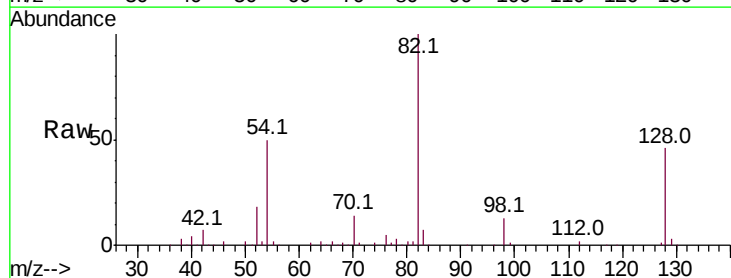
RT: 7.38 min Scan# 900

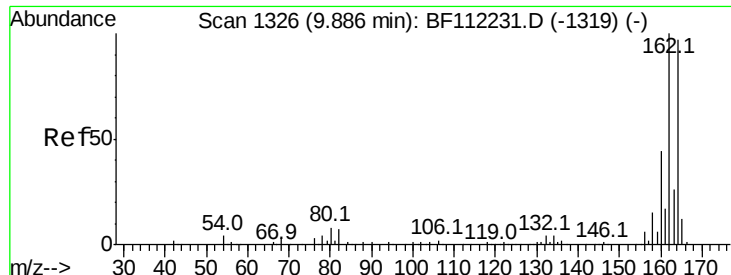
Delta R.T. -0.01 min

Lab File: BF112690.D

Acq: 25 Feb 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.4	37.8	56.8	
54	49.8	39.7	59.5	





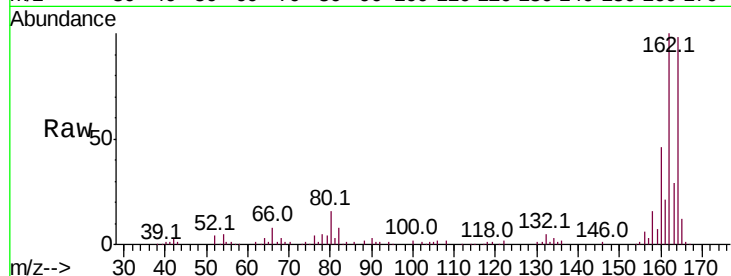
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF112690.D
Acq: 25 Feb 2019 14:14

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.2	123.4
160	47.5	36.2	54.4

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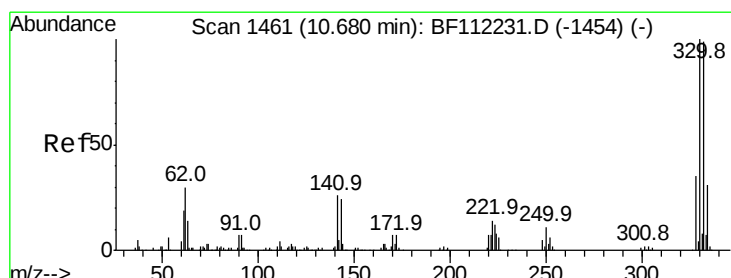
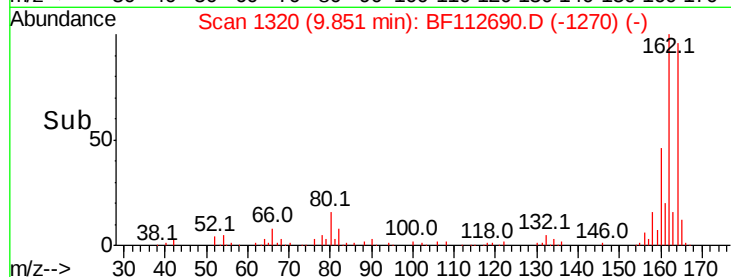
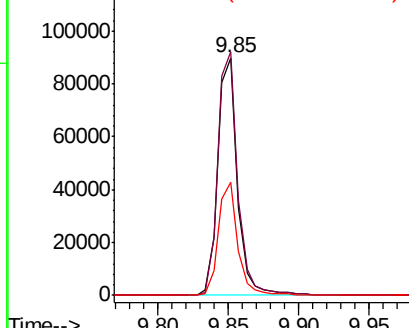


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 78.831 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BF112690.D
Acq: 25 Feb 2019 14:14

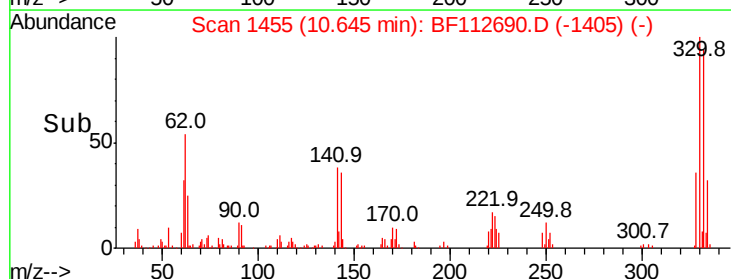
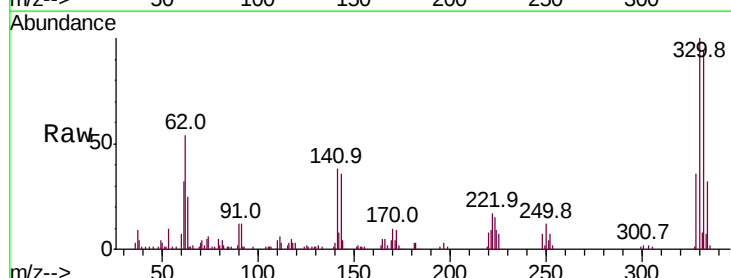
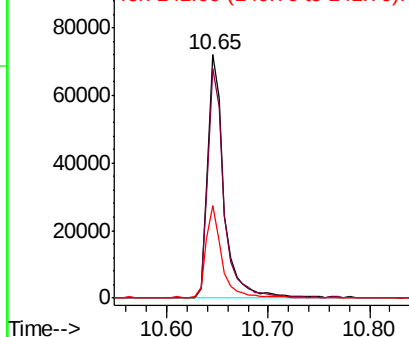
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	114.8
141	37.1	24.3	36.5#

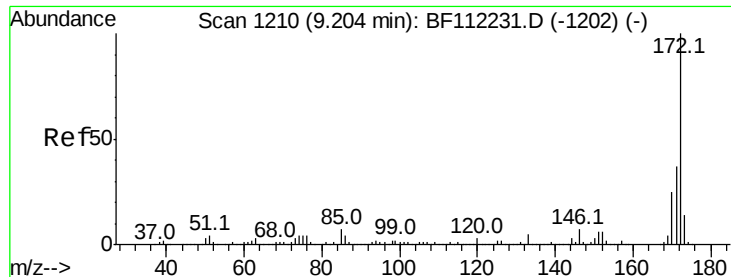
Abundance

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





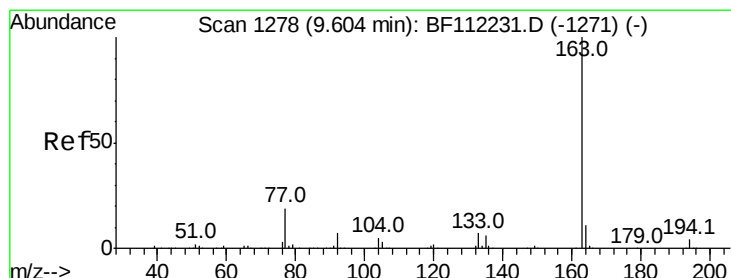
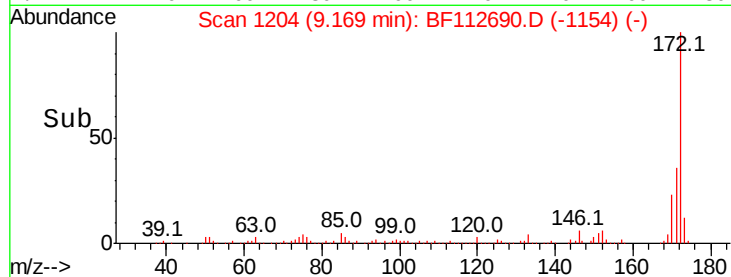
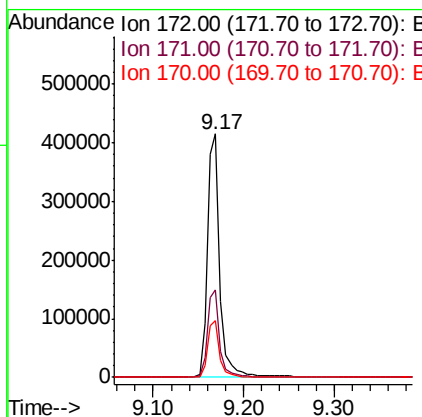
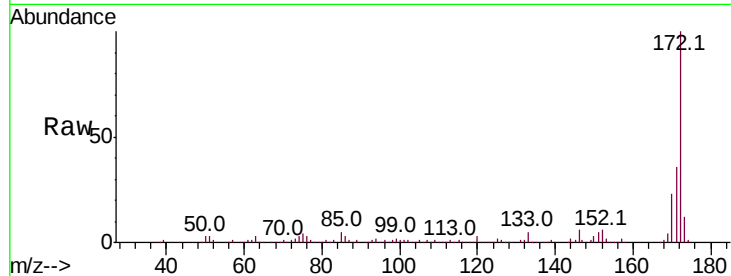
#45
2-Fluorobiphenyl
Concen: 65.009 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF112690.D
Acq: 25 Feb 2019 14:14

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.5	45.7
170	23.3	20.2	30.4

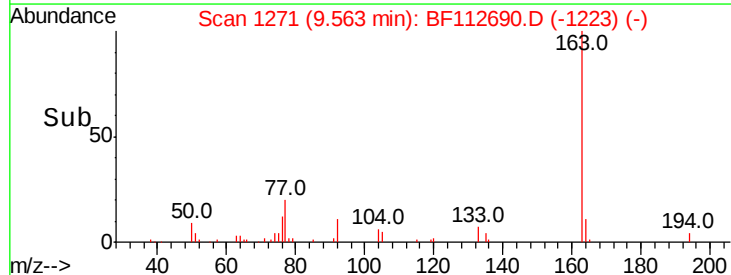
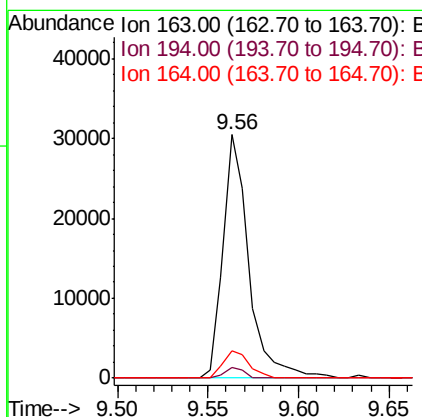
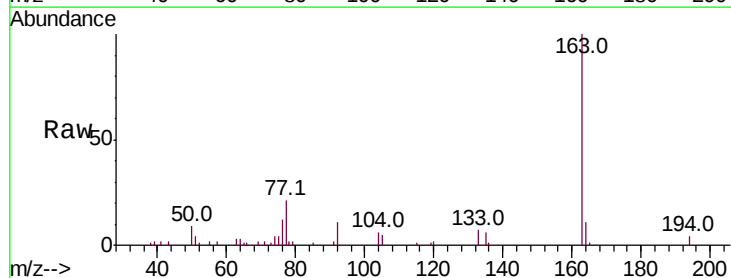
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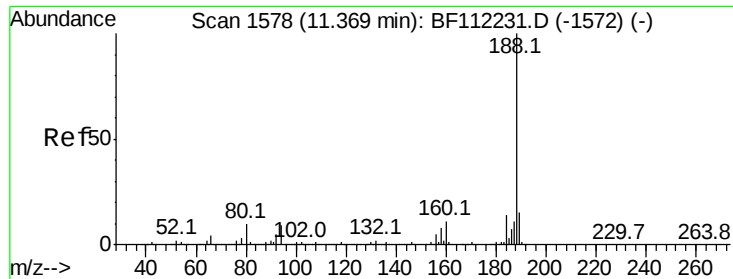
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#50
Dimethylphthalate
Concen: 4.476 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF112690.D
Acq: 25 Feb 2019 14:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	11.2	8.5	12.7





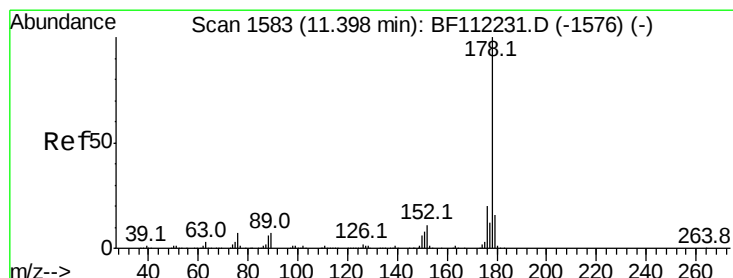
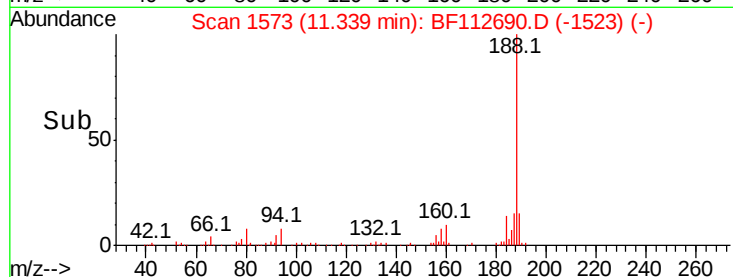
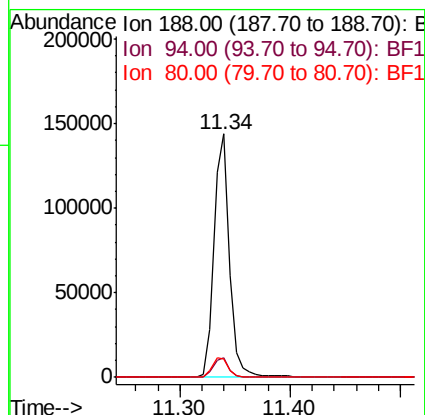
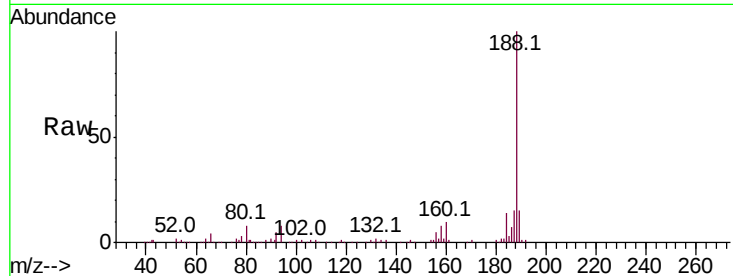
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF112690.D
Acq: 25 Feb 2019 14:14

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.2	8.2	12.2
80	7.7	8.9	13.3#

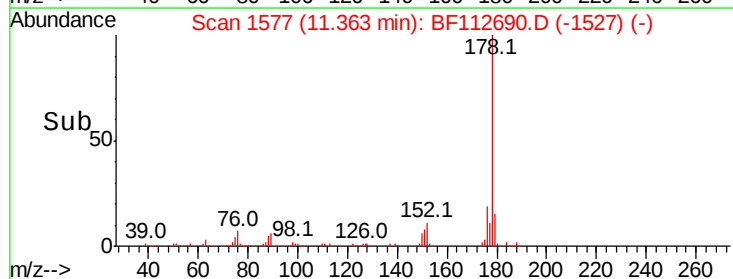
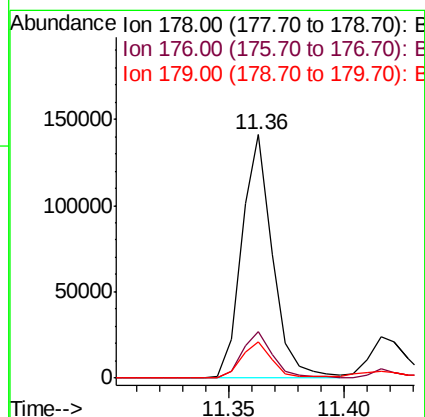
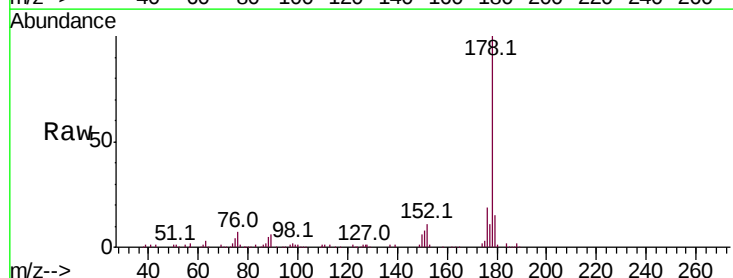
Manual Integrations
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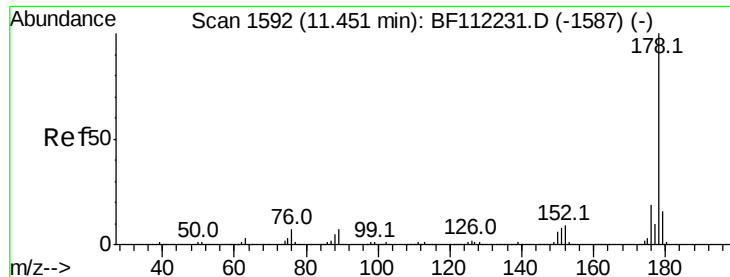
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#71
Phenanthrene
Concen: 18.475 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112690.D
Acq: 25 Feb 2019 14:14

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	16.3	24.5
179	15.0	13.0	19.4





#72

Anthracene

Concen: 3.919 ng/mL

RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF112690.D

Acq: 25 Feb 2019 14:14

Instrument :

BNA_F

ClientSampleId :

TP-E-WALL-GRADE-BEAM

Tot Ion:178 Resp: 27744

Ion Ratio Lower Upper

178 100

176 23.3 15.5 23.3#

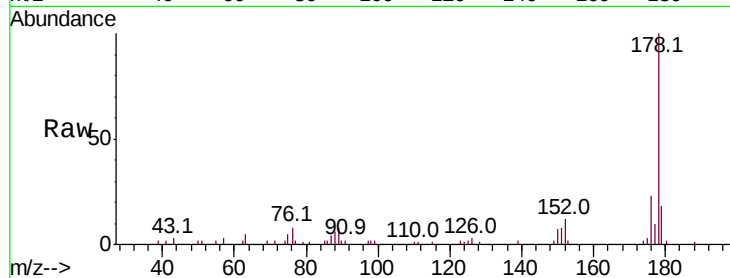
179 17.8 12.8 19.2

Manual Integrations

APPROVED

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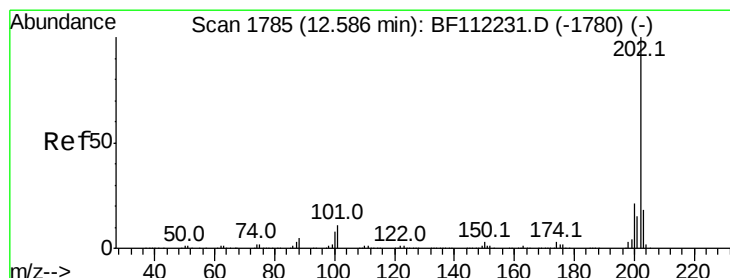
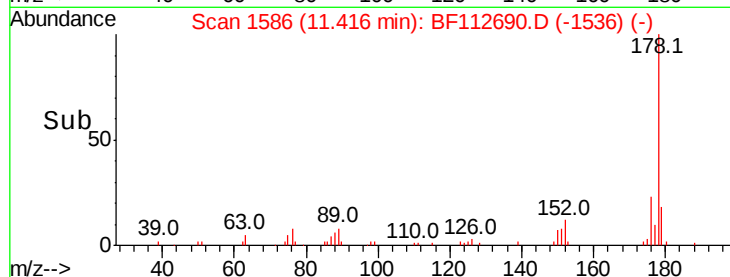
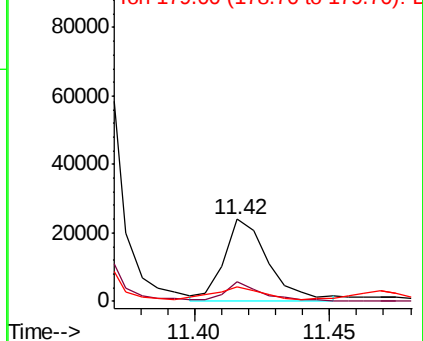
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 18.962 ng/mL

RT: 12.56 min Scan# 1780

Delta R.T. -0.00 min

Lab File: BF112690.D

Acq: 25 Feb 2019 14:14

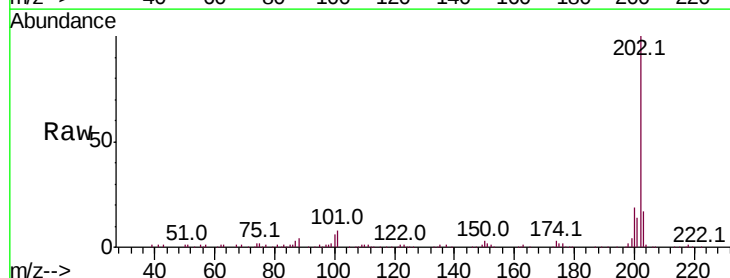
Tgt Ion:202 Resp: 144534

Ion Ratio Lower Upper

202 100

101 8.3 0.0 31.8

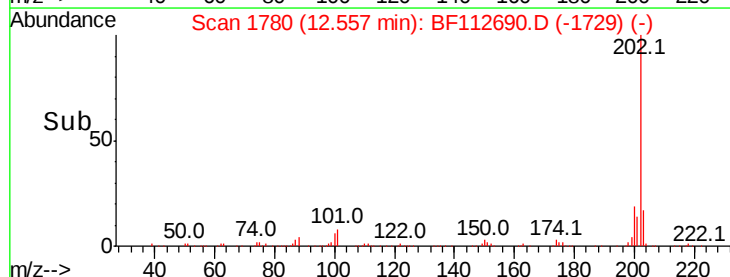
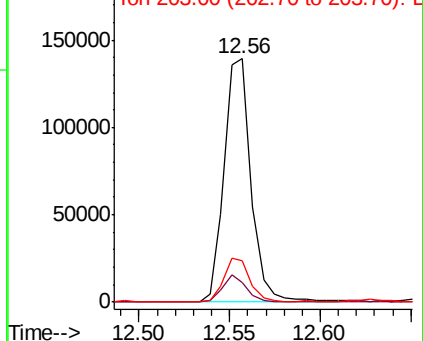
203 16.9 0.0 38.4

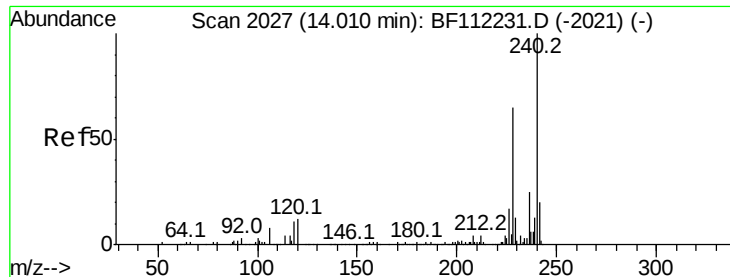


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.98 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF112690.D

Acq: 25 Feb 2019 14:14

Instrument :

BNA_F

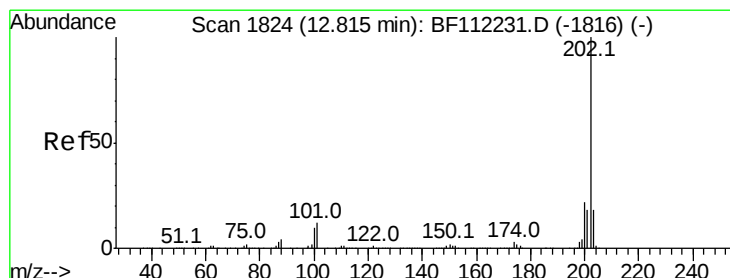
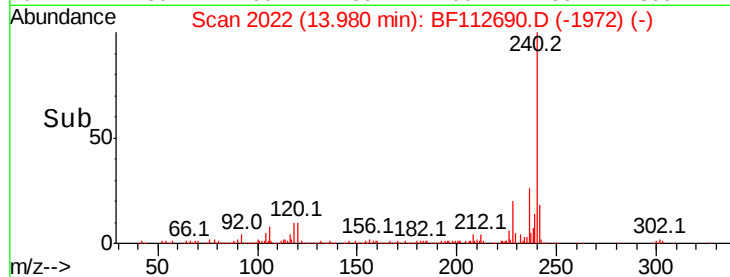
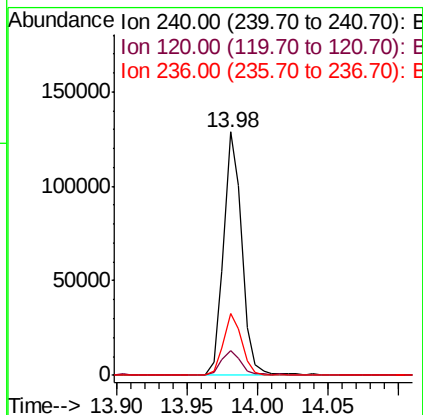
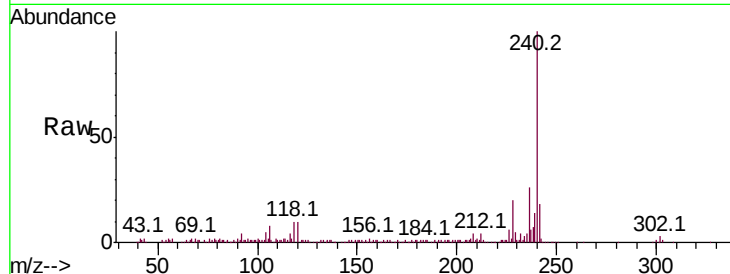
ClientSampleId :

TP-E-WALL-GRADE-BEAM

Tot Ion:	240	Resp:	116016
Ion Ratio	Lower	Upper	
240	100		
120	10.0	9.0	13.6
236	25.5	20.7	31.1

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#78

Pyrene

Concen: 15.899 ng

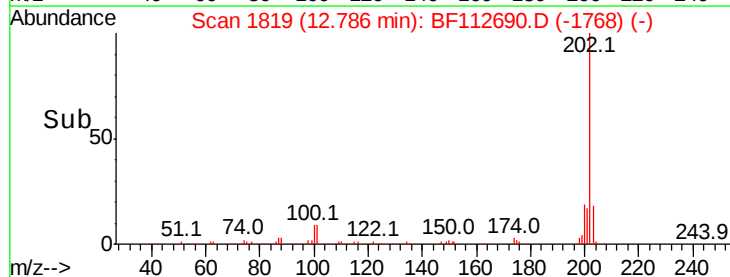
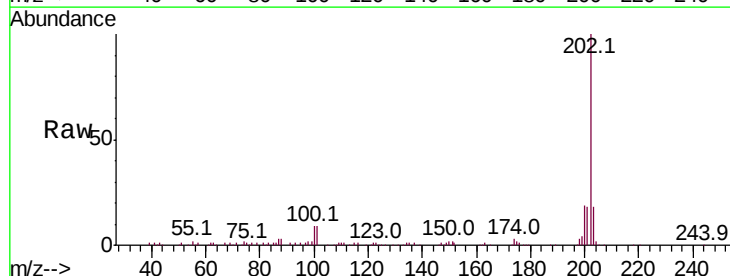
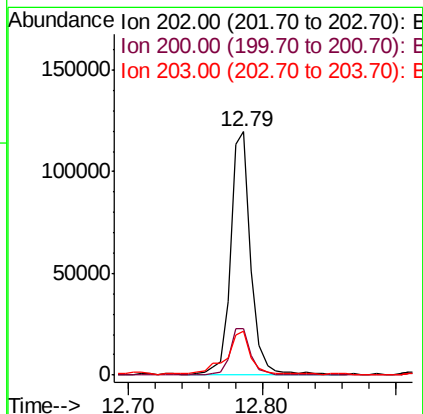
RT: 12.79 min Scan# 1819

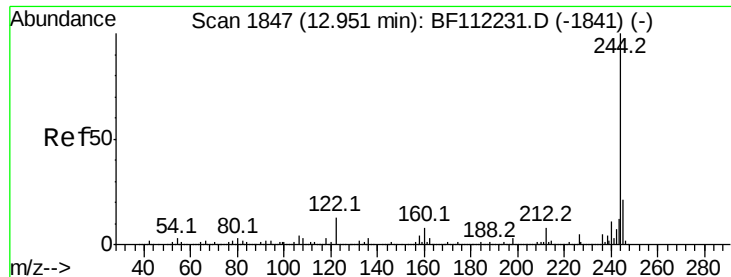
Delta R.T. -0.00 min

Lab File: BF112690.D

Acq: 25 Feb 2019 14:14

Tgt Ion:	202	Resp:	127705
Ion Ratio	Lower	Upper	
202	100		
200	19.0	17.7	26.5
203	17.9	14.6	22.0





#79

Terphenyl-d14

Concen: 45.702 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF112690.D

Acq: 25 Feb 2019 14:14

Instrument :

BNA_F

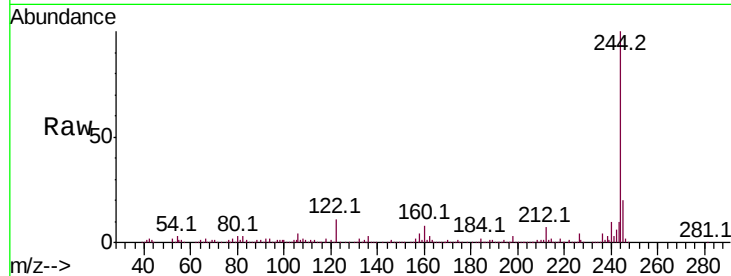
ClientSampleId :

TP-E-WALL-GRADE-BEAM

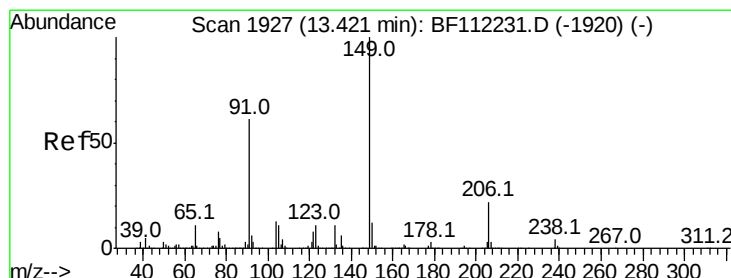
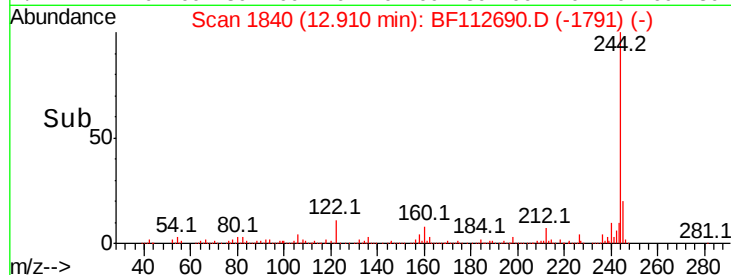
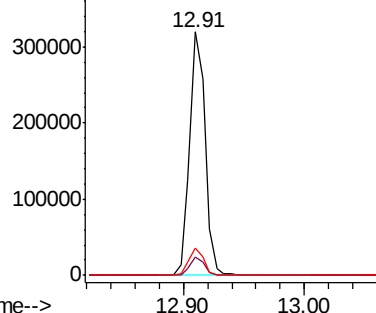
Tot Ion:	244	Resp:	281512
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.9	8.9
122	11.3	9.8	14.6

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 6.113 ng

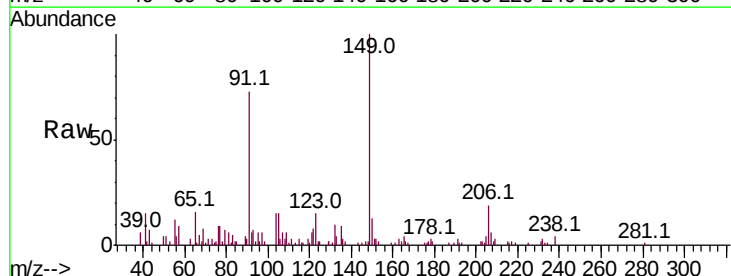
RT: 13.37 min Scan# 1919

Delta R.T. -0.01 min

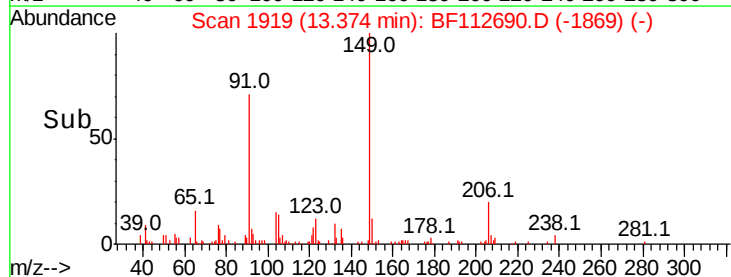
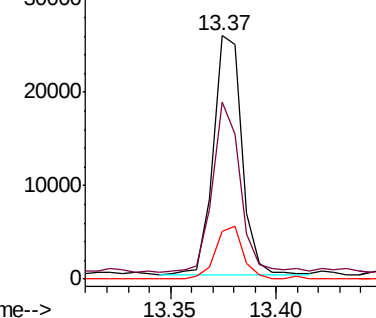
Lab File: BF112690.D

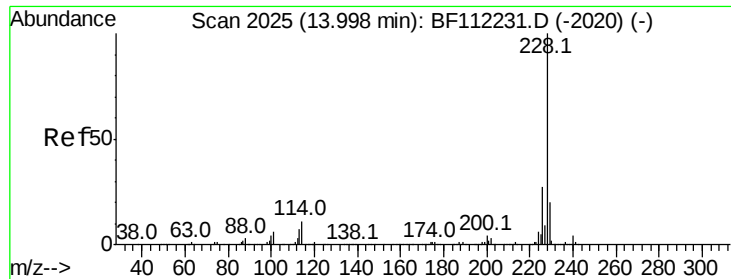
Acq: 25 Feb 2019 14:14

Tgt Ion:	149	Resp:	23758
Ion Ratio	Lower	Upper	
149	100		
91	72.5	50.3	75.5
206	19.5	18.2	27.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 9.604 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF112690.D

Acq: 25 Feb 2019 14:14

Instrument :

BNA_F

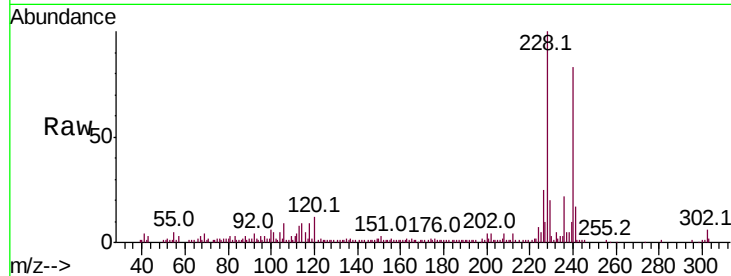
ClientSampleId :

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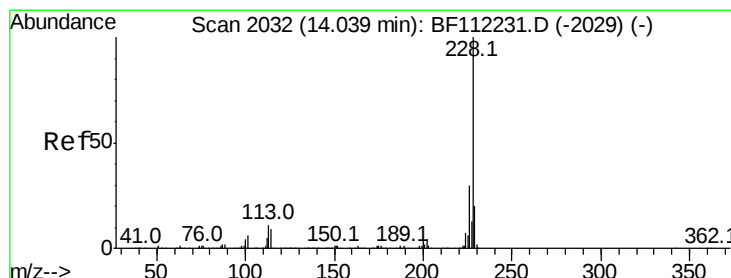
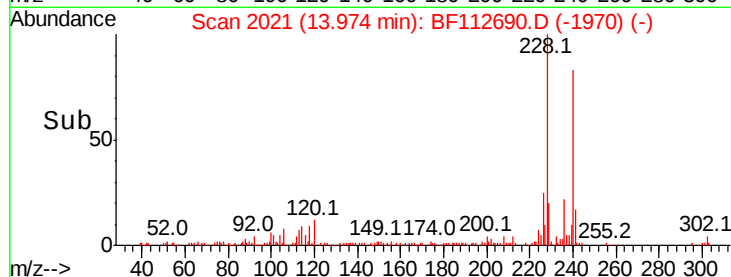
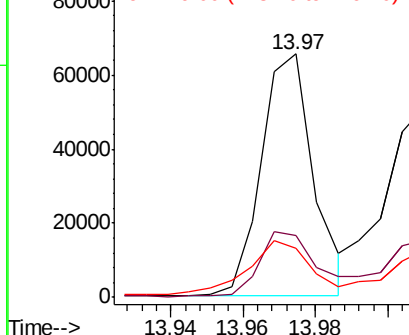
Tot Ion:228	Resp:	65499
Ion Ratio	Lower	Upper
228 100		
226 25.2	22.6	34.0
229 20.3	16.5	24.7

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 9.411 ng

RT: 14.01 min Scan# 2027

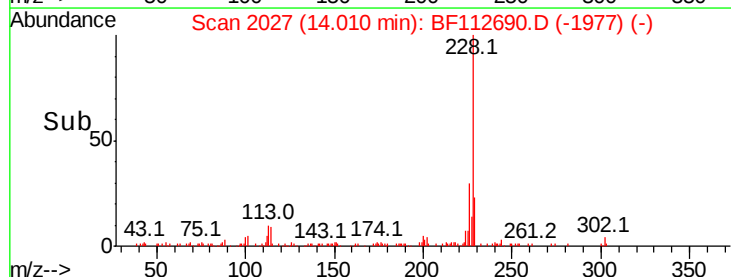
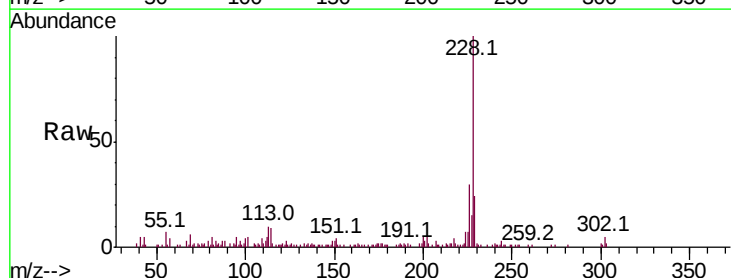
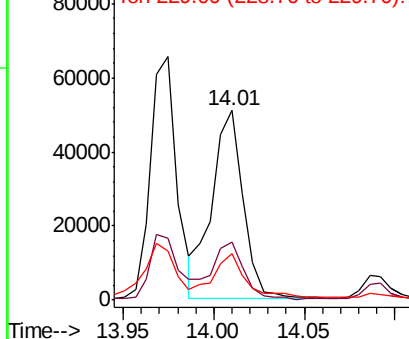
Delta R.T. -0.01 min

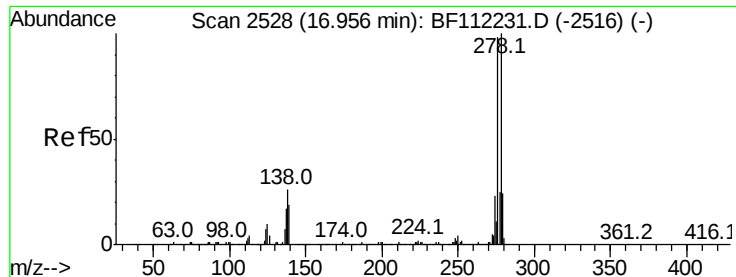
Lab File: BF112690.D

Acq: 25 Feb 2019 14:14

Tgt Ion:228	Resp:	61267
Ion Ratio	Lower	Upper
228 100		
226 30.5	25.0	37.6
229 24.5	16.6	24.8

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





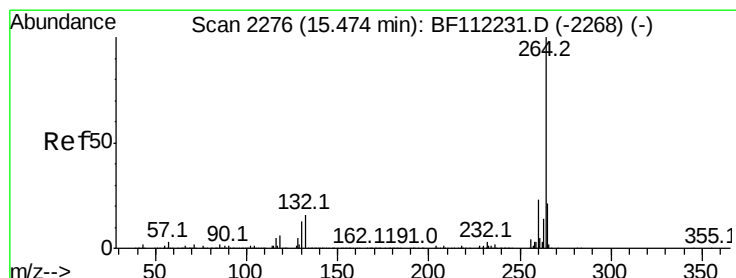
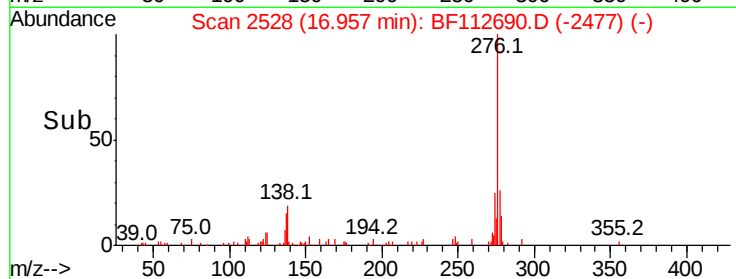
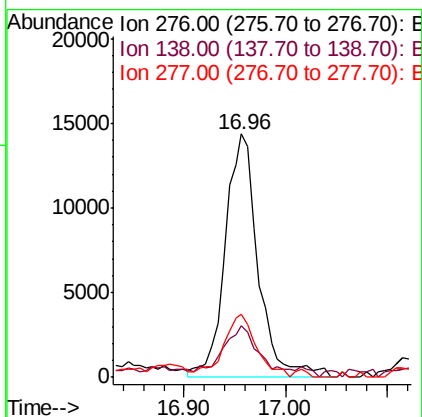
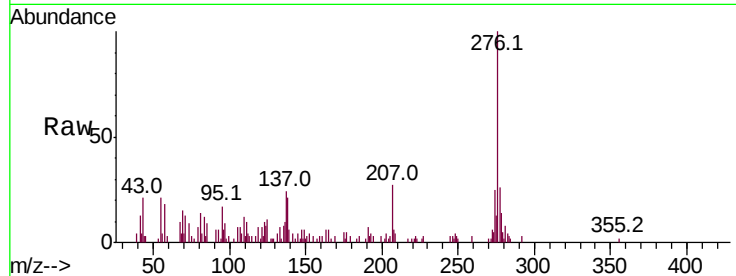
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.264 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: BF112690.D
 Acq: 25 Feb 2019 14:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.1	22.6	34.0#
277	25.6	20.3	30.5

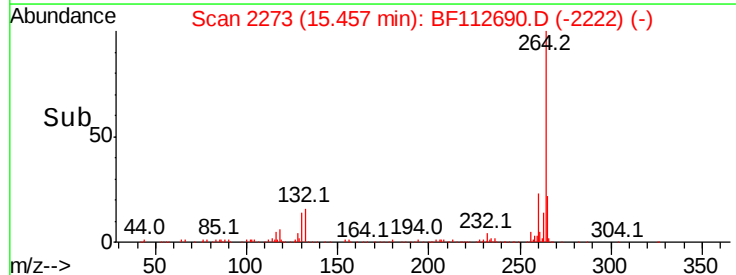
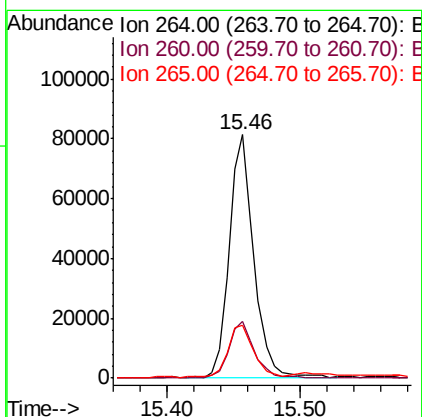
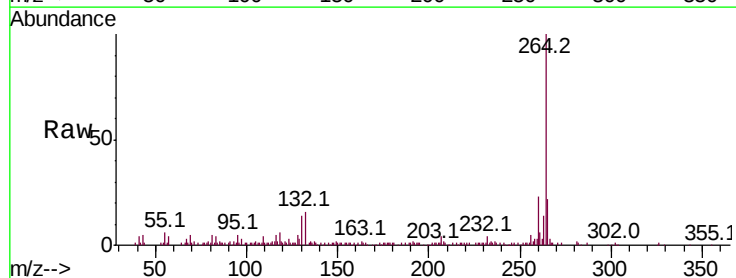
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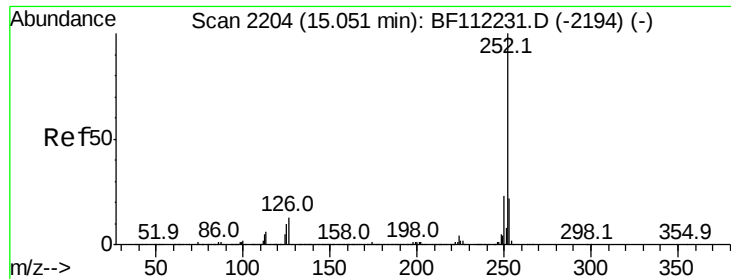
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: BF112690.D
 Acq: 25 Feb 2019 14:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.2
265	21.5	17.0	25.4





#88

Benzo(b)fluoranthene

Concen: 13.109 ng m

RT: 15.03 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BF112690.D

Acq: 25 Feb 2019 14:14

Instrument :

BNA_F

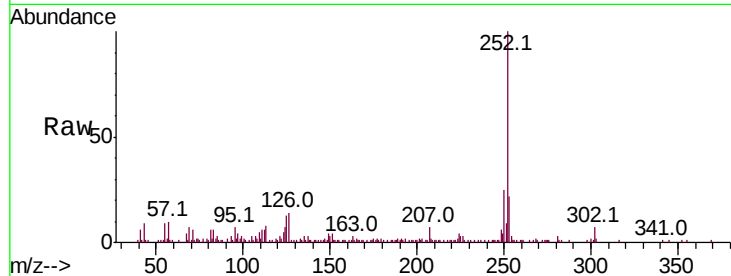
ClientSampleId :

TP-E-WALL-GRADE-BEAM

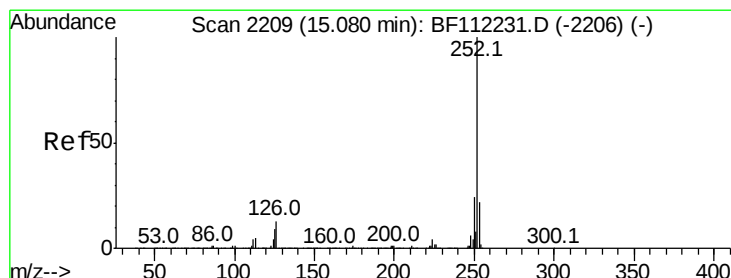
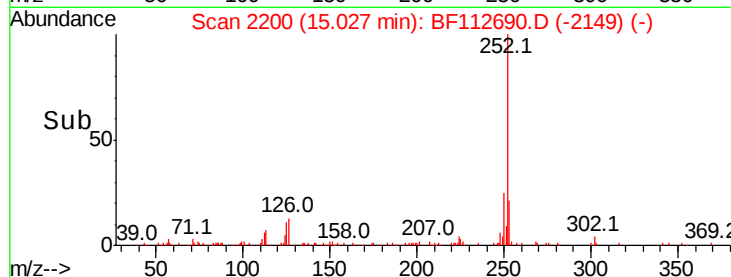
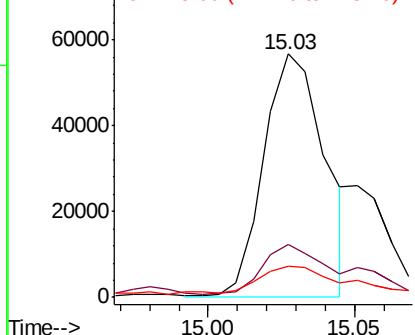
Tot Ion:	252	Resp:	82499
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.0	27.0
125	12.8	8.7	13.1

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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



#89

Benzo(k)fluoranthene

Concen: 4.211 ng m

RT: 15.05 min Scan# 2204

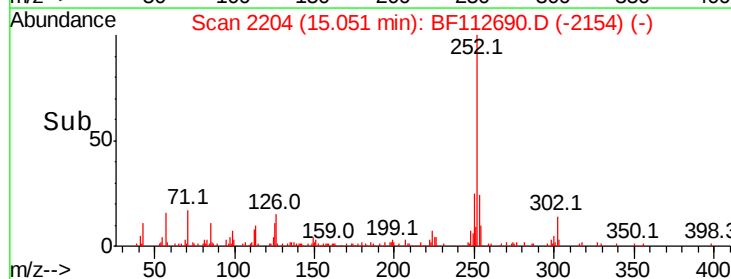
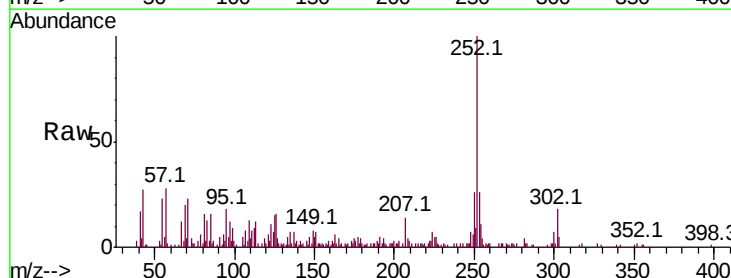
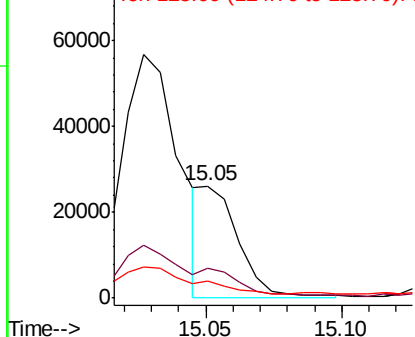
Delta R.T. -0.01 min

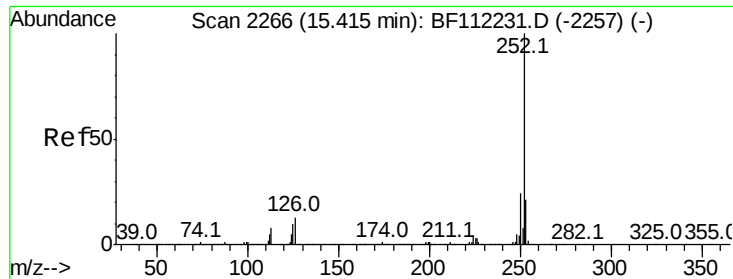
Lab File: BF112690.D

Acq: 25 Feb 2019 14:14

Tgt Ion:	252	Resp:	25381
Ion Ratio	Lower	Upper	
252	100		
253	26.3	18.0	27.0
125	15.2	9.1	13.7#

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





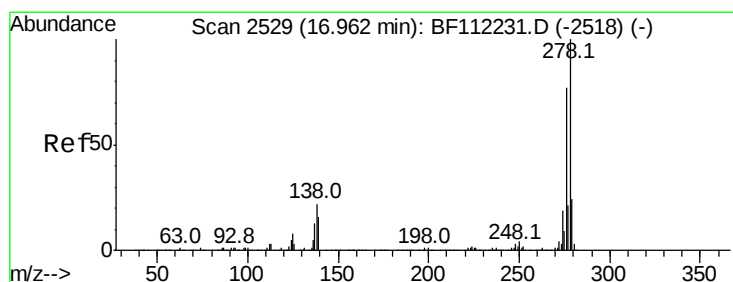
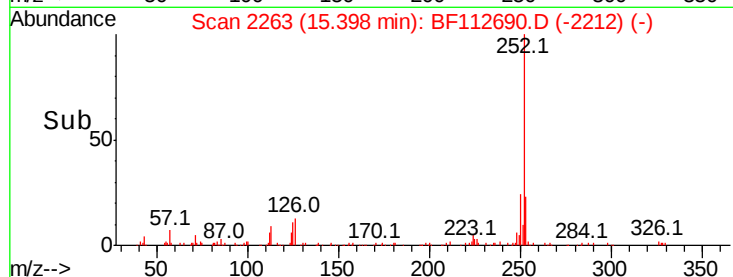
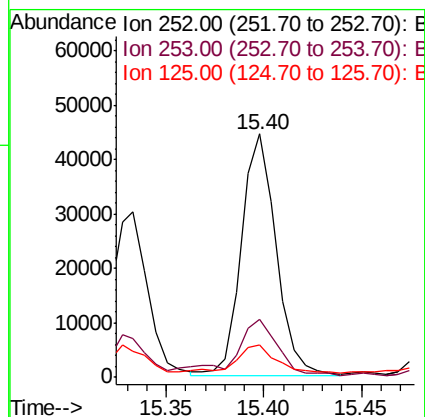
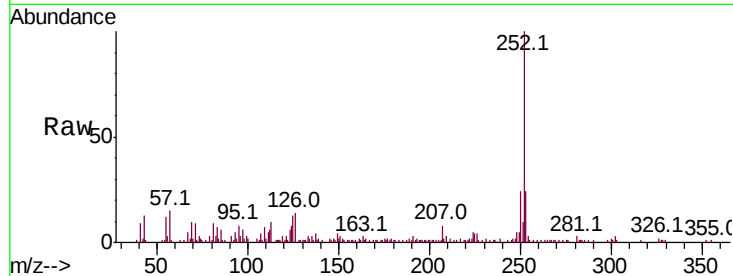
#90
Benzo(a)pyrene
Concen: 9.643 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.00 min
Lab File: BF112690.D
Acq: 25 Feb 2019 14:14

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion:	252	Resp:	54605
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.5	26.3
125	13.2	9.0	13.4

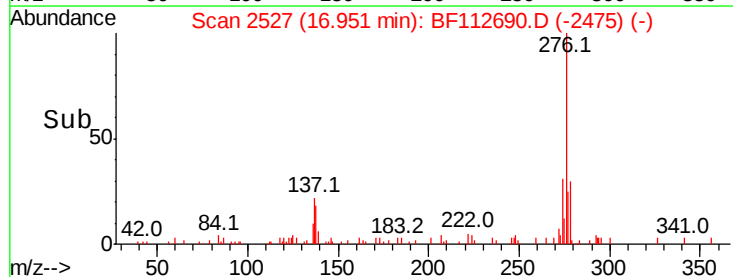
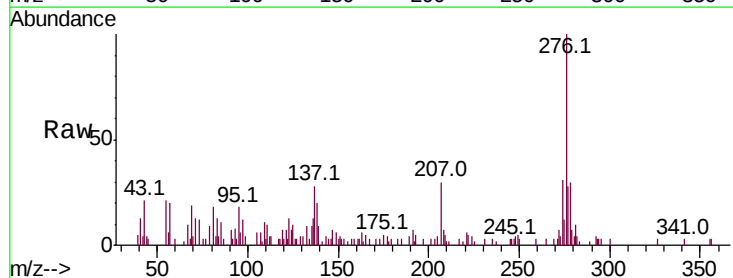
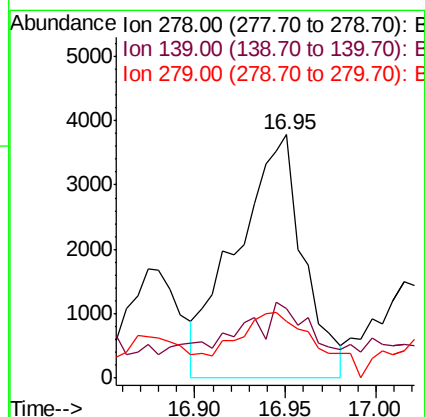
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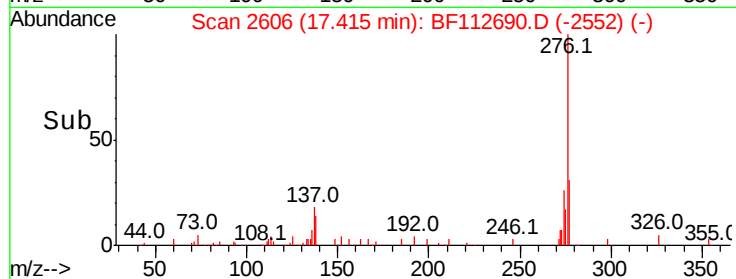
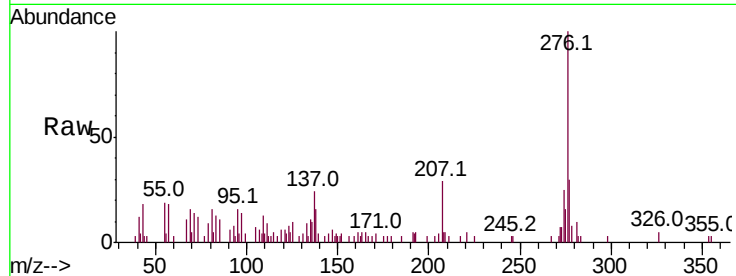
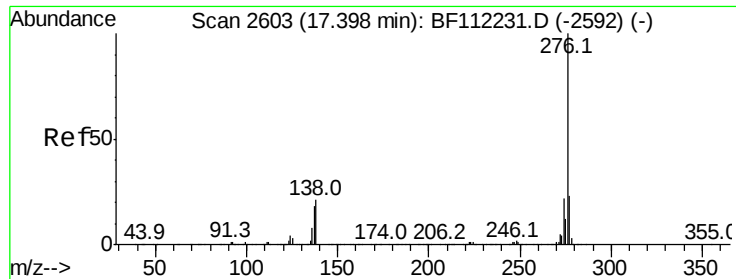
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#91
Dibenzo(a,h)anthracene
Concen: 2.130 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.01 min
Lab File: BF112690.D
Acq: 25 Feb 2019 14:14

Tgt Ion:	278	Resp:	9719
Ion Ratio	Lower	Upper	
278	100		
139	28.4	13.7	20.5#
279	23.6	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 6.890 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. 0.02 min
 Lab File: BF112690.D
 Acq: 25 Feb 2019 14:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.8	19.4	29.0#
138	15.9	19.1	28.7#

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