

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021119\
 Data File : BF112483.D
 Acq On : 11 Feb 2019 16:22
 Operator : JU/SJ
 Sample : K1450-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHORE-RD-BOX-CULVERT-TP

Manual Integrations
 APPROVED

Sohil
 2/12/2019 11:57:08 AM

Quant Time: Feb 12 01:02:32 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	152018	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	580848	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	269067	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	440676	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	298067	20.00	ng	0.00
87) Perylene-d12	15.47	264	301725	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1175402	164.23	ng	0.00
7) Phenol-d6	6.49	99	1487794	149.60	ng	0.00
23) Nitrobenzene-d5	7.40	82	955840	94.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	403023	128.68	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1621884	85.25	ng	-0.01
79) Terphenyl-d14	12.94	244	1220408	77.12	ng	-0.01
Target Compounds						
10) Phenol	6.50	94	119165	10.922	ng	81
20) 3+4-Methylphenols	7.27	107	21628	2.216	ng	# 64
50) Dimethylphthalate	9.58	163	191168	9.145	ng	99
71) Phenanthrene	11.38	178	245208	10.703	ng	98
72) Anthracene	11.43	178	103762	4.547	ng	98
75) Fluoranthene	12.57	202	407412	16.580	ng	98
78) Pyrene	12.80	202	406164	19.682	ng	99
81) Benzo(a)anthracene	13.99	228	186324	10.634	ng	99
83) Chrysene	14.03	228	159843	9.557	ng	100
86) Indeno(1,2,3-cd)pyrene	16.96	276	78387	5.915	ng	# 93
88) Benzo(b)fluoranthene	15.05	252	188162m	10.428	ng	
89) Benzo(k)fluoranthene	15.07	252	73827m	4.271	ng	
90) Benzo(a)pyrene	15.42	252	149929	9.234	ng	99
92) Benzo(a,h,i)perylene	17.42	276	75948	6.152	ng	97

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

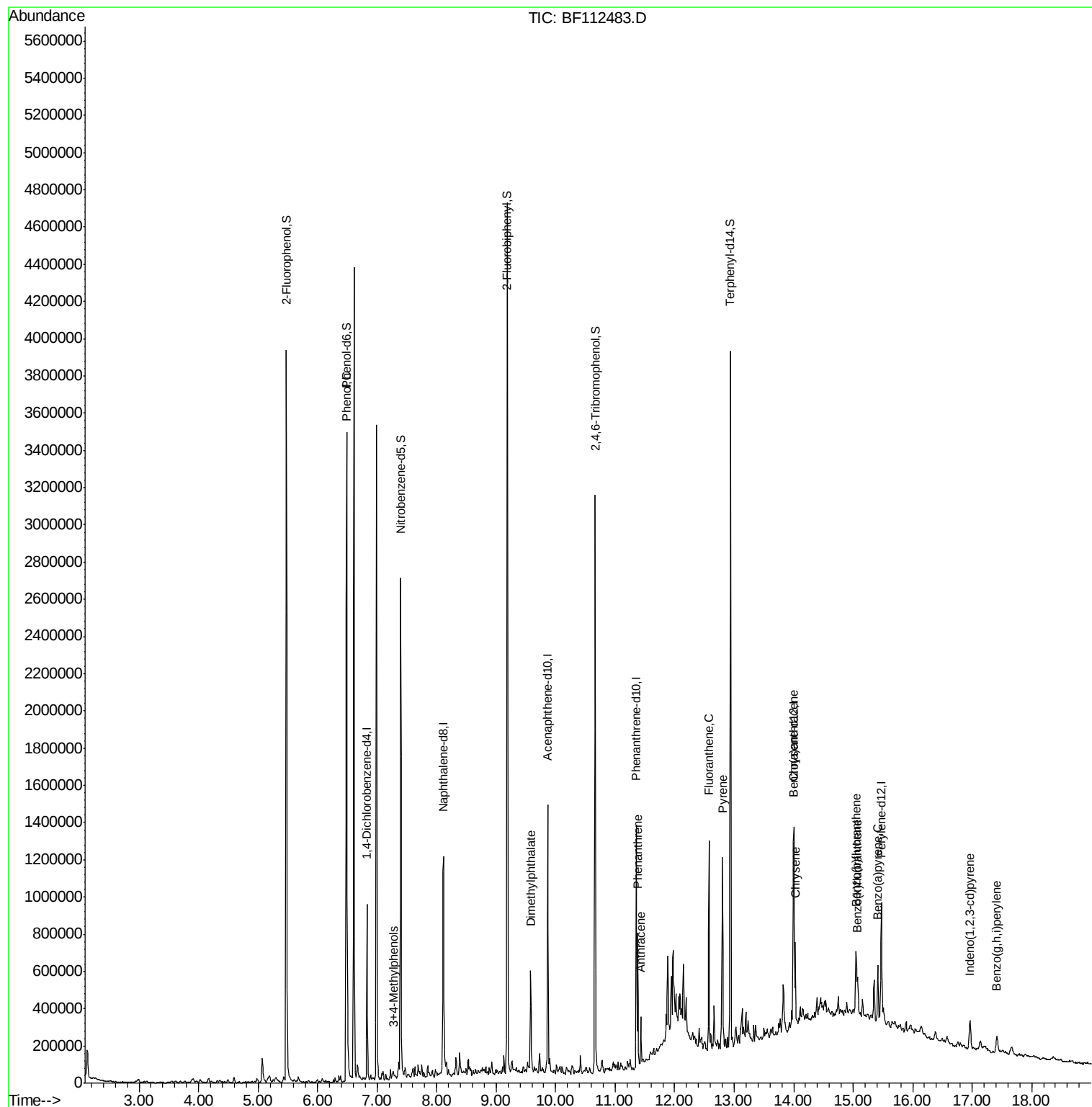
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021119\
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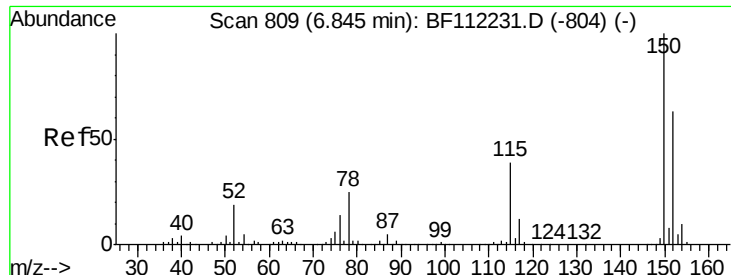
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#1

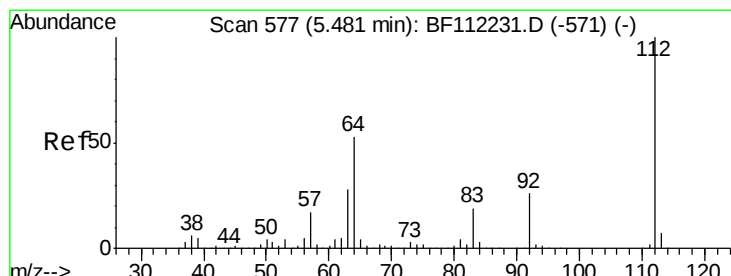
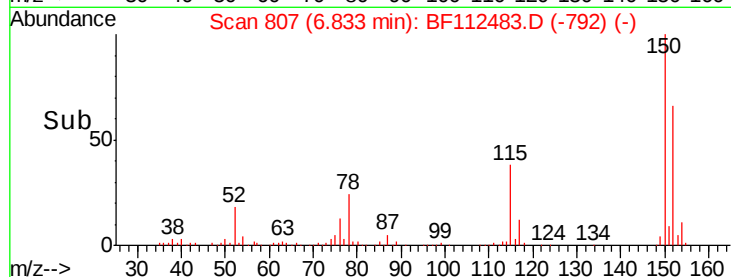
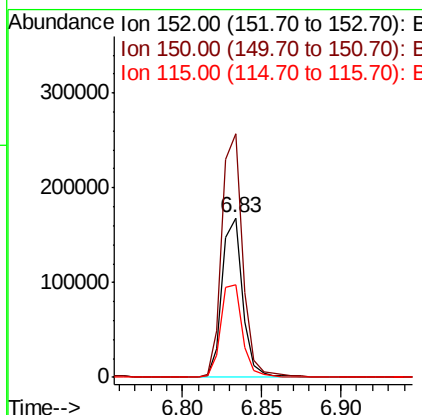
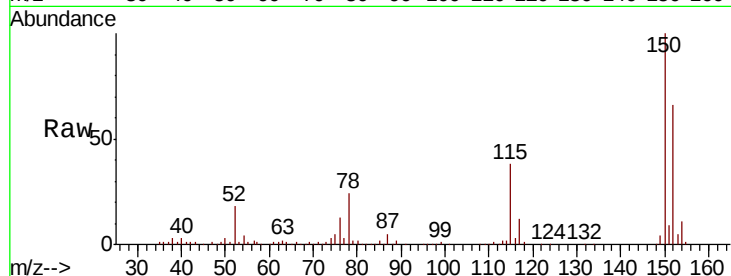
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112483.D
Acq: 11 Feb 2019 16:22

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	127.4	191.0
115	57.6	45.5	68.3

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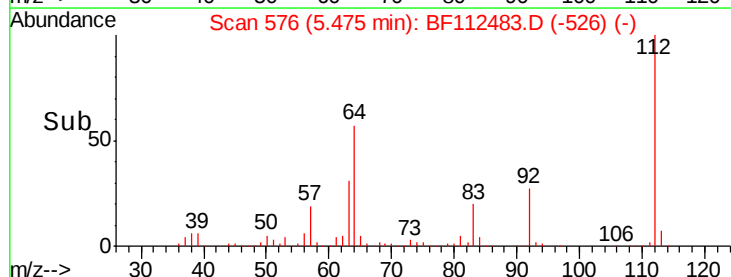
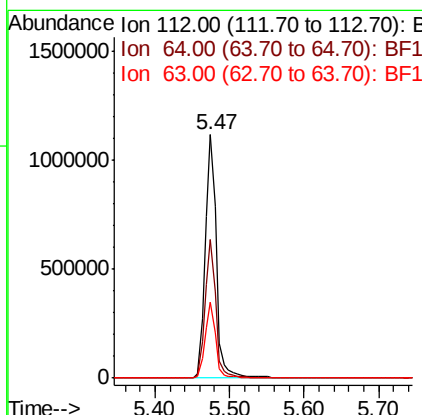
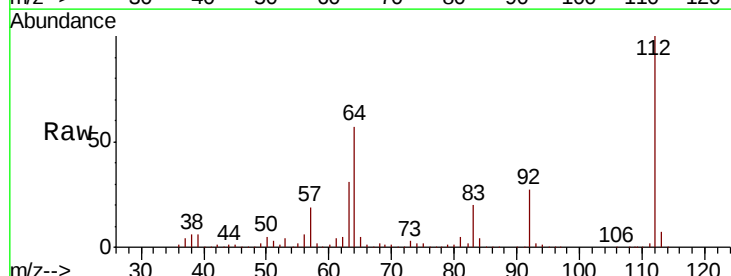
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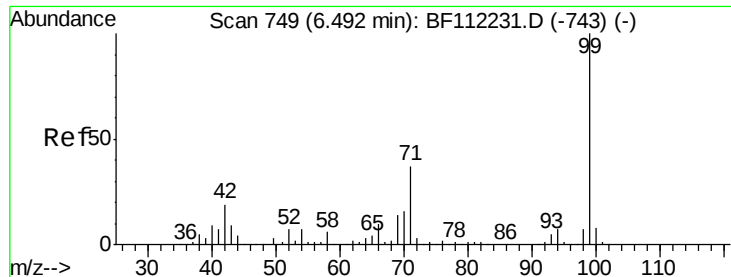


#5

2-Fluorophenol
Concen: 164.233 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112483.D
Acq: 11 Feb 2019 16:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	45.7	68.5
63	31.1	23.6	35.4





#7

Phenol-d6

Concen: 149.603 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112483.D

Acq: 11 Feb 2019 16:22

Instrument :

BNA_F

ClientSampleId :

SHORE-RD-BOX-CULVERT-TP

Tot Ion: 99 Resp: 1487794

Ion Ratio Lower Upper

99 100

42 19.9 15.1 22.7

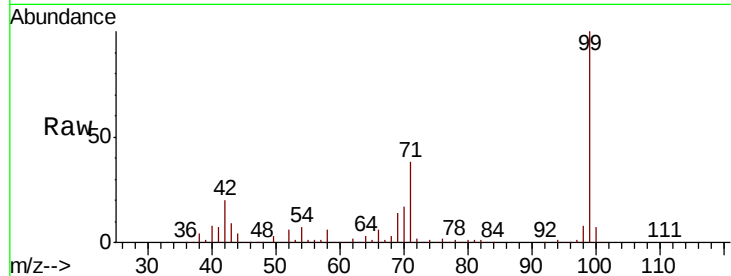
71 38.4 26.9 40.3

Manual Integrations

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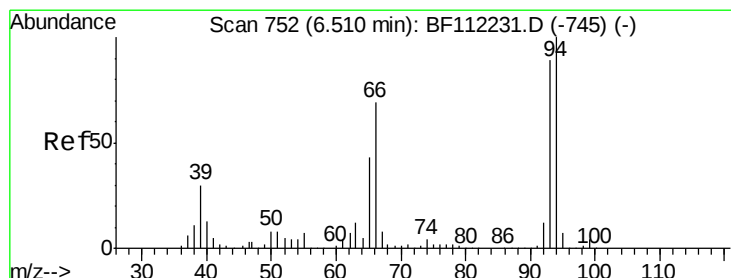
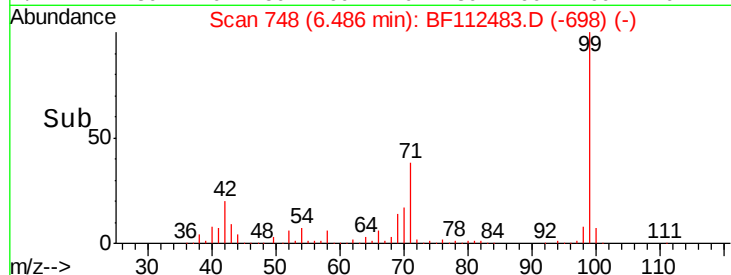
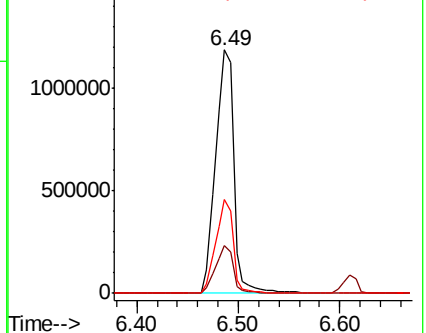
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 10.922 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112483.D

Acq: 11 Feb 2019 16:22

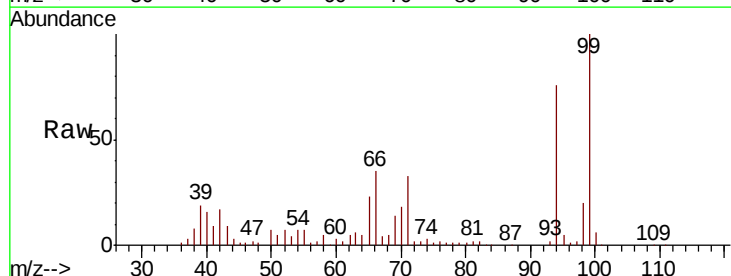
Tgt Ion: 94 Resp: 119165

Ion Ratio Lower Upper

94 100

65 30.7 20.3 60.3

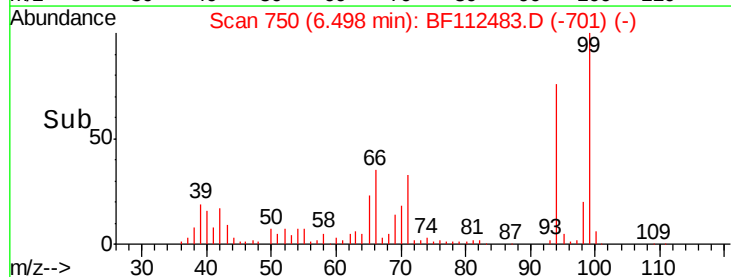
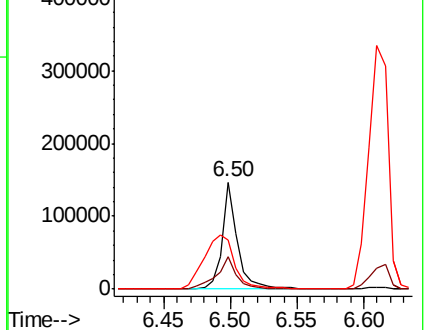
66 45.7 42.4 82.4

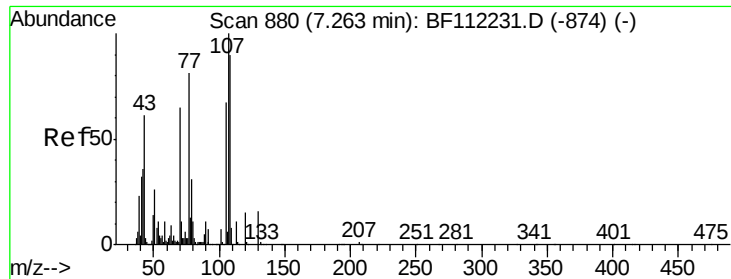


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





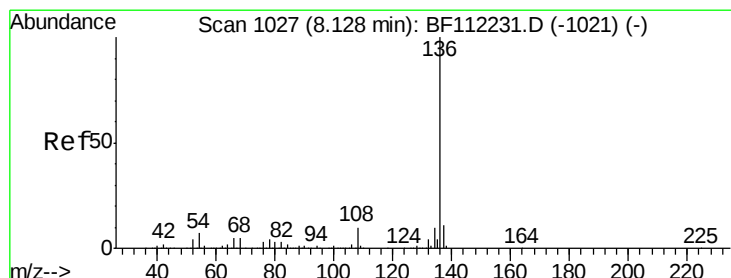
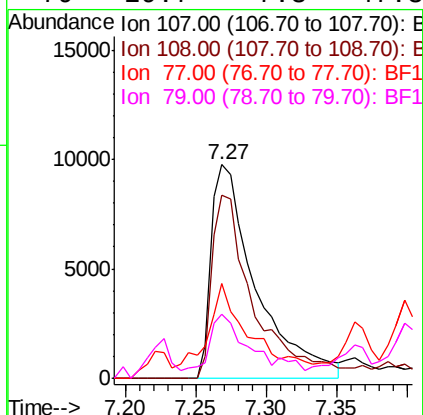
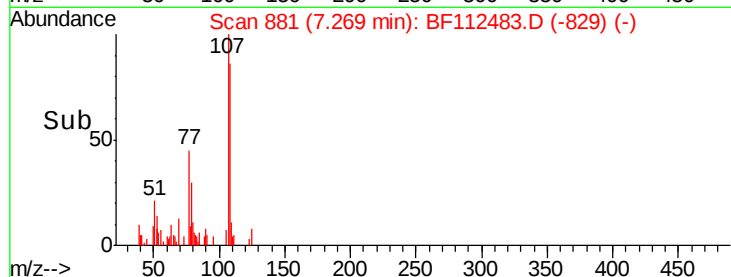
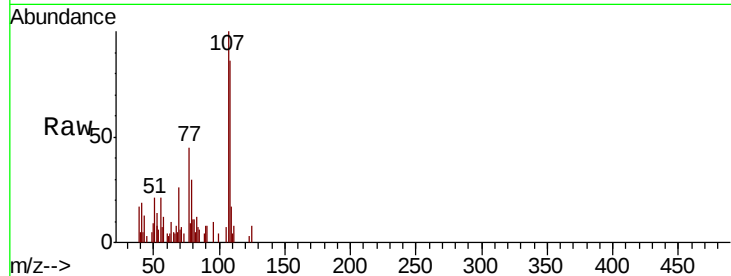
#20
3+4-Methylphenols
Concen: 2.216 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF112483.D
Acq: 11 Feb 2019 16:22

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BOX-CULVERT-TP

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	85.9	68.2	108.2	
77	44.6	100.7	140.7#	
79	29.7	7.3	47.3	

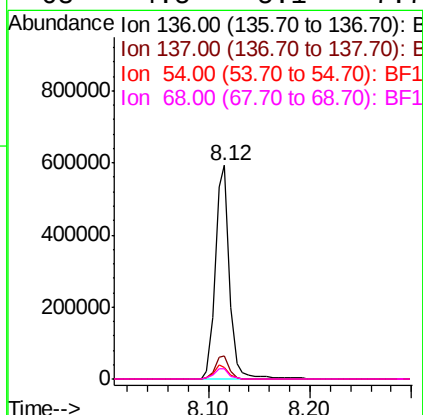
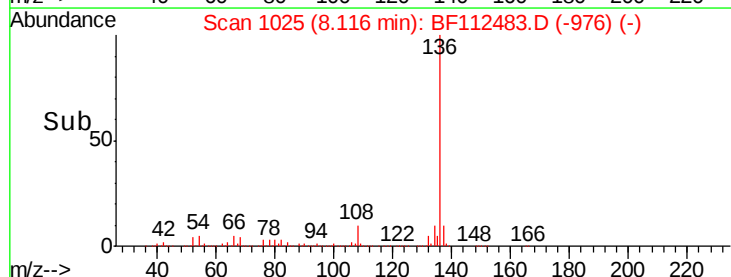
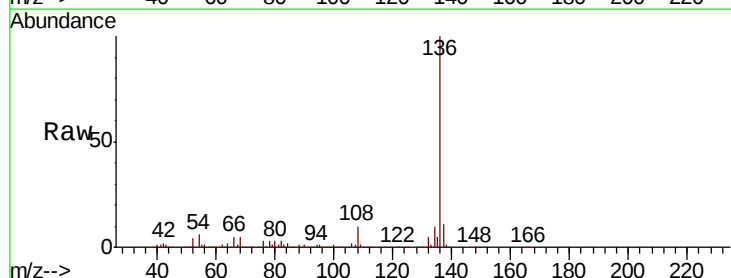
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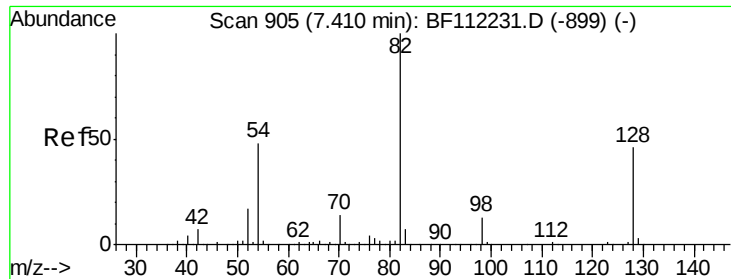
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112483.D
Acq: 11 Feb 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	9.1	13.7	
54	5.5	5.9	8.9#	
68	4.5	5.1	7.7#	





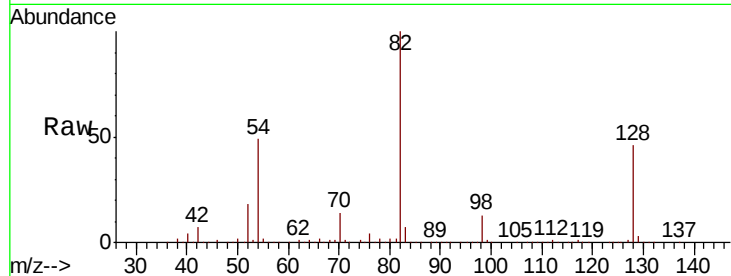
#23
Nitrobenzene-d5
Concen: 94.819 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112483.D
Acq: 11 Feb 2019 16:22

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.8	56.8
54	49.1	39.7	59.5

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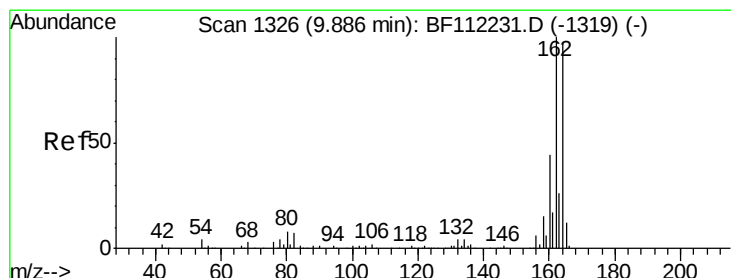
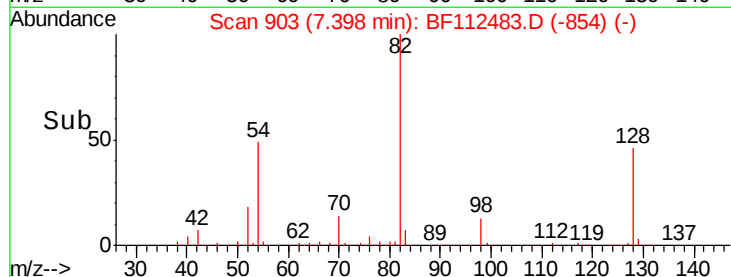
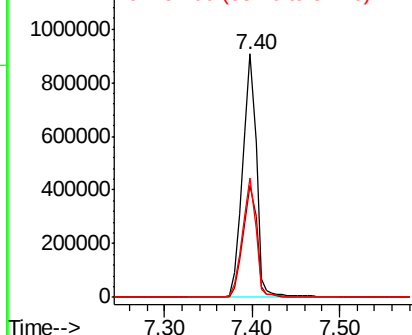


Abundance

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: BF112483.D
Acq: 11 Feb 2019 16:22

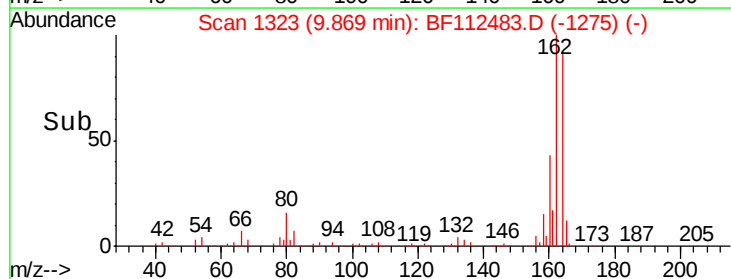
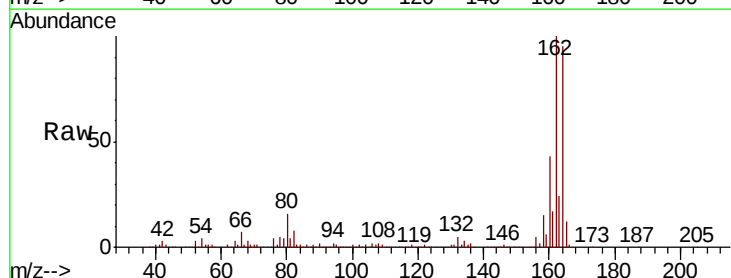
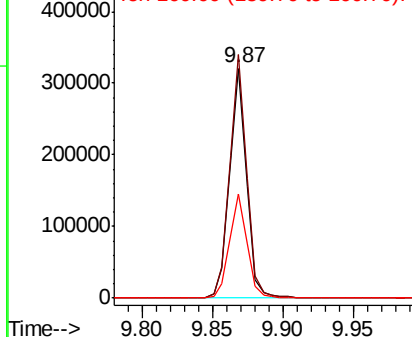
Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	82.2	123.4
160	45.4	36.2	54.4

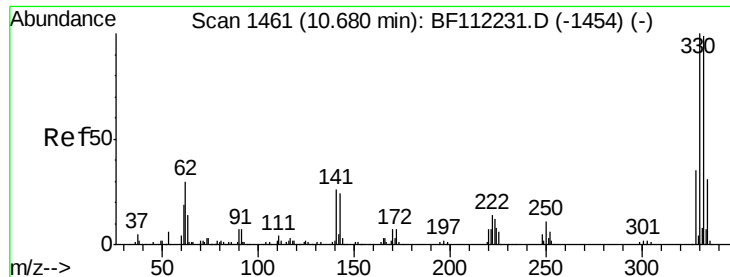
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 128.685 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112483.D

Acq: 11 Feb 2019 16:22

Instrument :

BNA_F

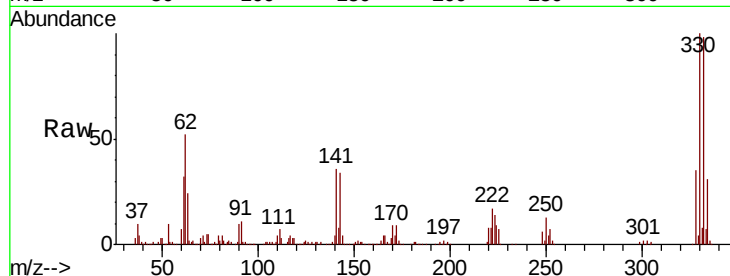
ClientSampleId :

SHORE-RD-BOX-CULVERT-TP

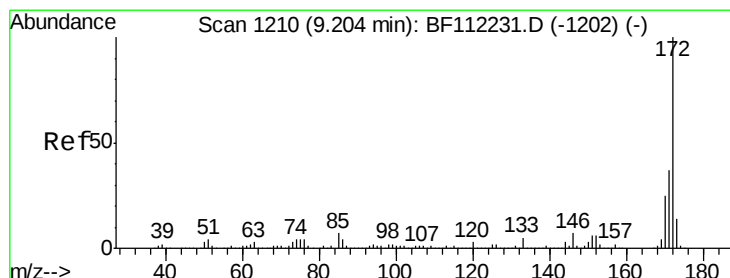
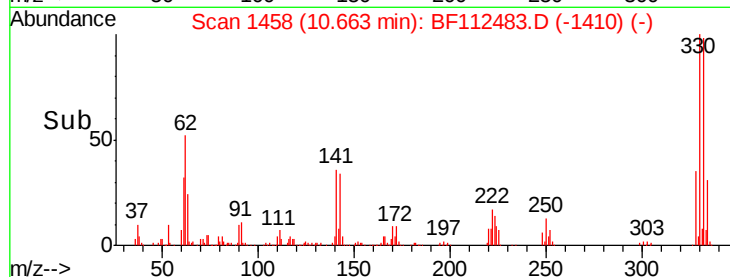
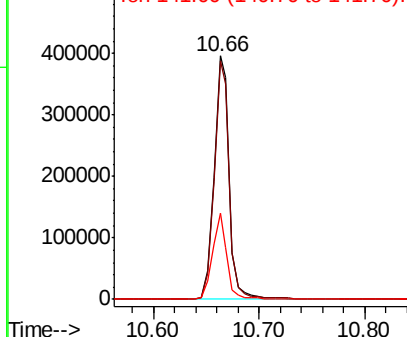
Tot Ion:	330	Resp:	403023
Ion Ratio	Lower	Upper	
330	100		
332	97.7	76.6	114.8
141	33.0	24.3	36.5

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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: 85.254 ng

RT: 9.19 min Scan# 1208

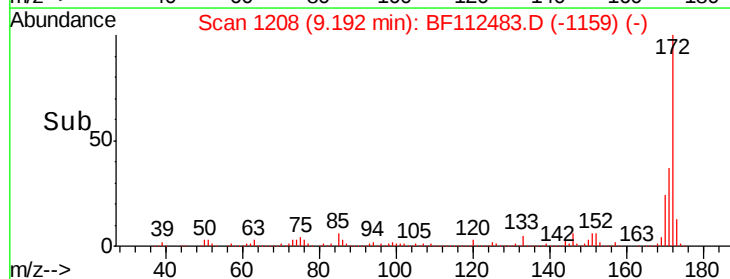
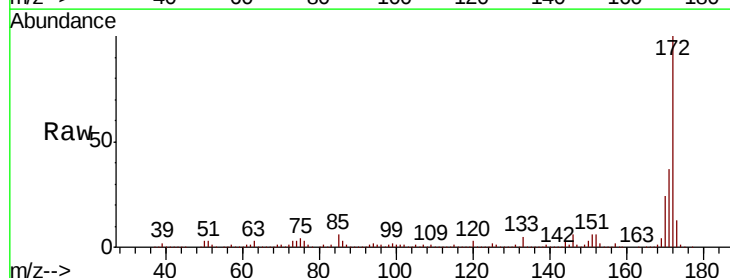
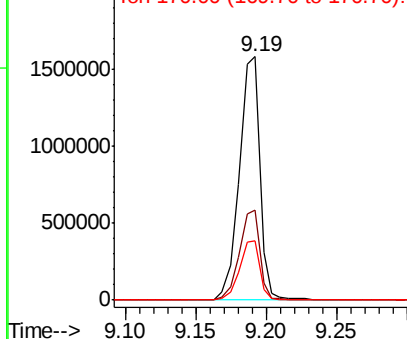
Delta R.T. -0.01 min

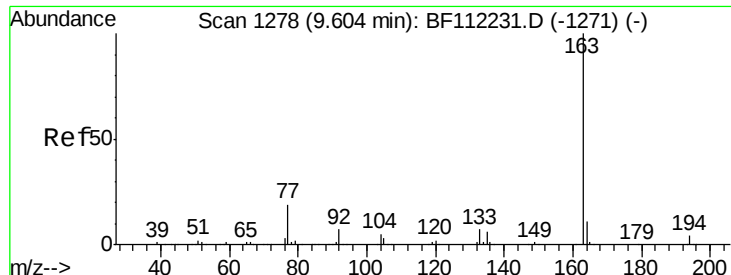
Lab File: BF112483.D

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Tgt Ion:	172	Resp:	1621884
Ion Ratio	Lower	Upper	
172	100		
171	37.2	30.5	45.7
170	24.3	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





#50

Dimethylphthalate

Concen: 9.145 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF112483.D

Acq: 11 Feb 2019 16:22

Instrument :

BNA_F

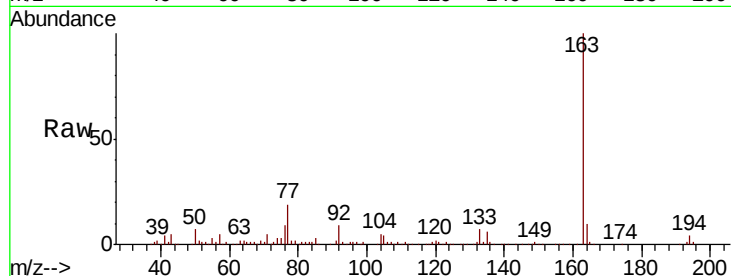
ClientSampleId :

SHORE-RD-BOX-CULVERT-TP

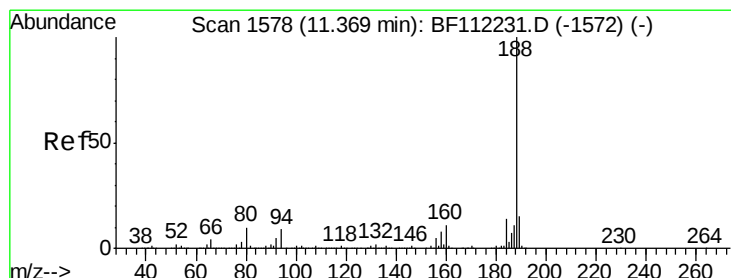
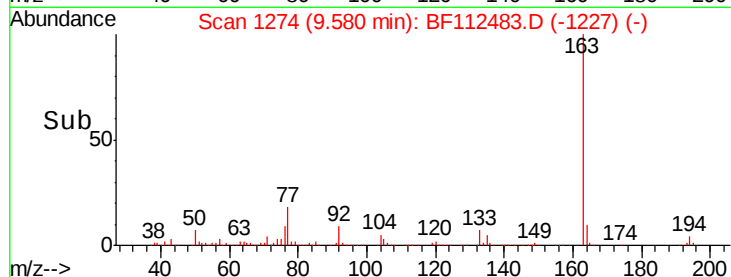
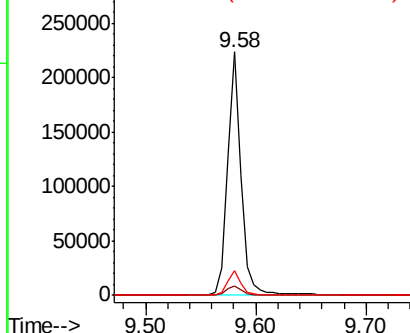
Tot Ion:	163	Resp:	191168
Ion Ratio		Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.1	8.5	12.7

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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



#64

Phenanthrene-d10

Concen: 20.000 ng

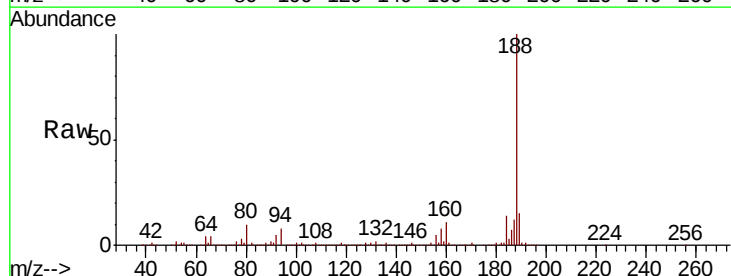
RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

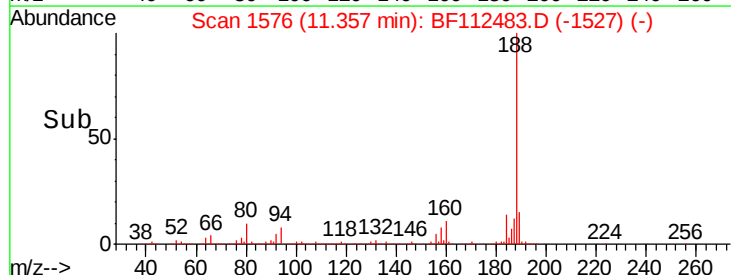
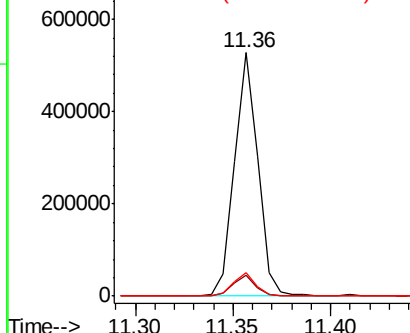
Lab File: BF112483.D

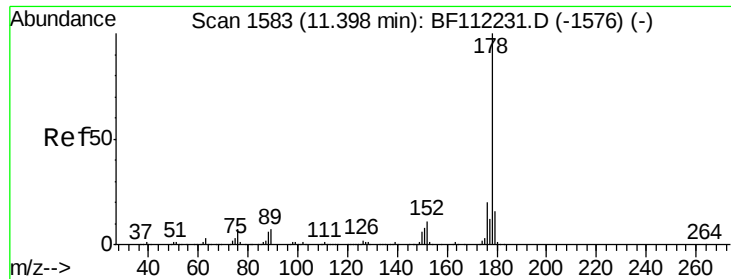
Acq: 11 Feb 2019 16:22

Tgt Ion:	188	Resp:	440676
Ion Ratio		Lower	Upper
188	100		
94	8.4	8.2	12.2
80	9.5	8.9	13.3



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





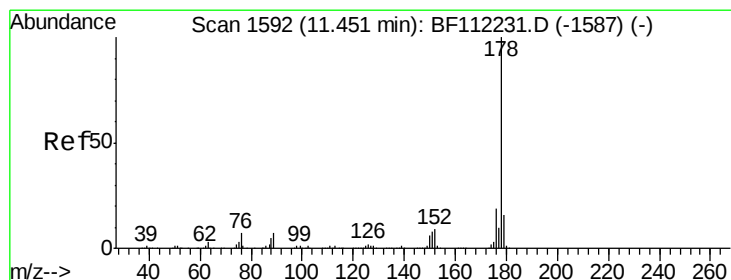
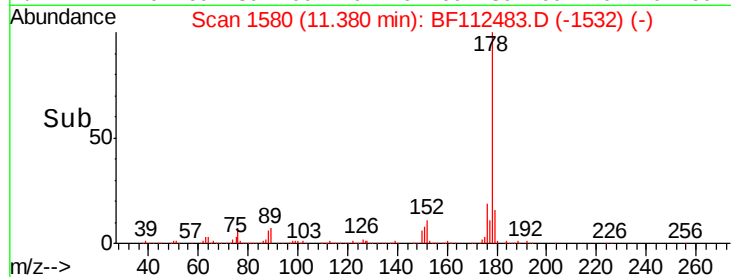
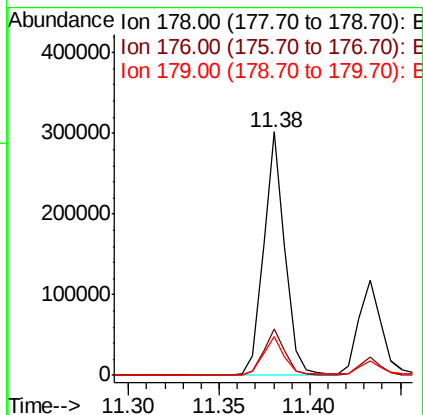
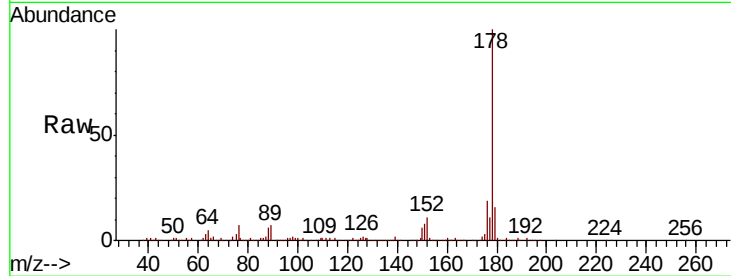
#71
Phenanthrene
Concen: 10.703 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112483.D
Acq: 11 Feb 2019 16:22

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	15.7	13.0	19.4

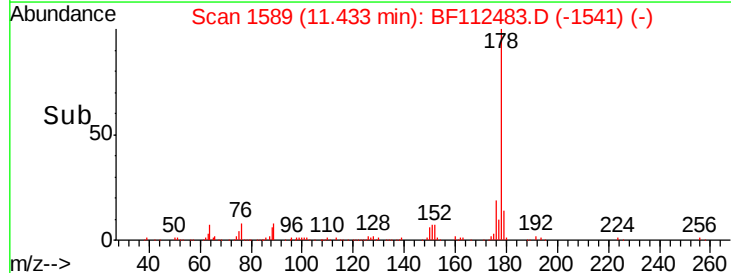
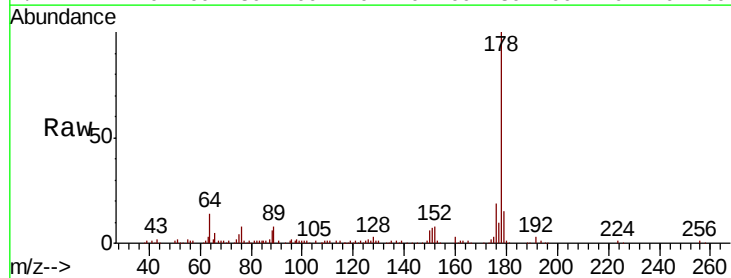
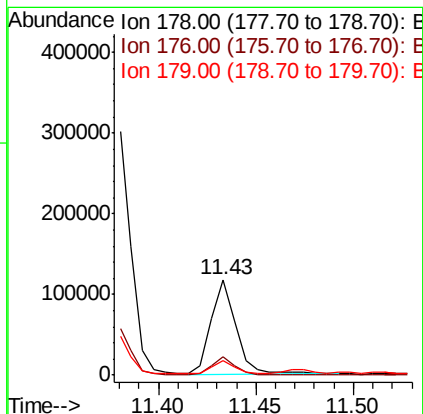
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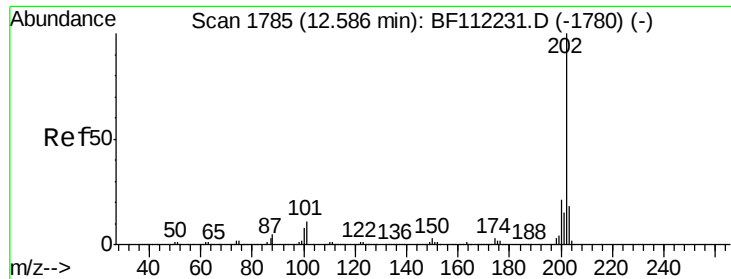
Sohil
2/12/2019 11:57:08 AM



#72
Anthracene
Concen: 4.547 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF112483.D
Acq: 11 Feb 2019 16:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	14.7	12.8	19.2





#75

Fluoranthene

Concen: 16.580 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112483.D

Acq: 11 Feb 2019 16:22

Instrument :

BNA_F

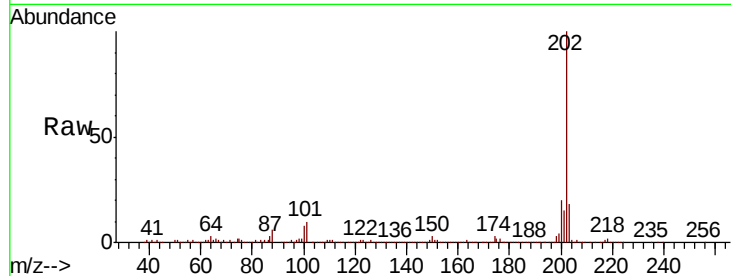
ClientSampleId :

SHORE-RD-BOX-CULVERT-TP

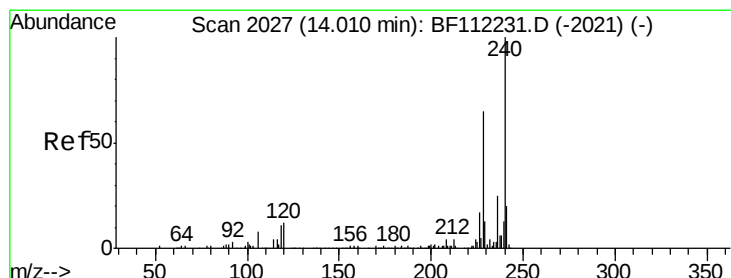
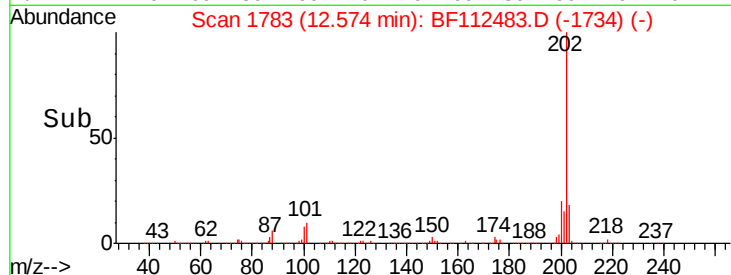
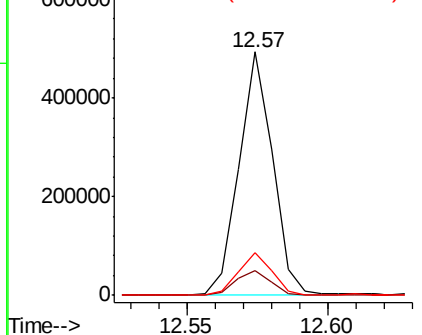
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.4	0.0	31.8
203	17.7	0.0	38.4

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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



#76

Chrysene-d12

Concen: 20.000 ng

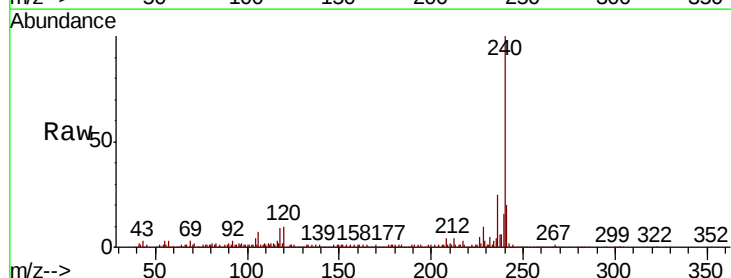
RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

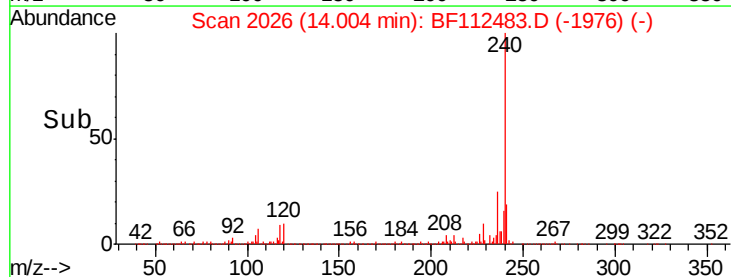
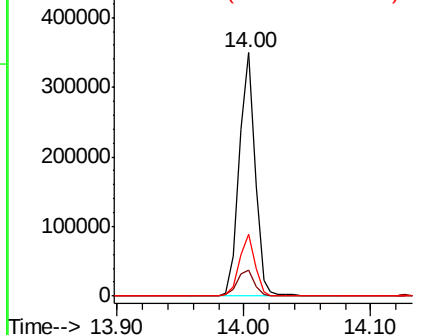
Lab File: BF112483.D

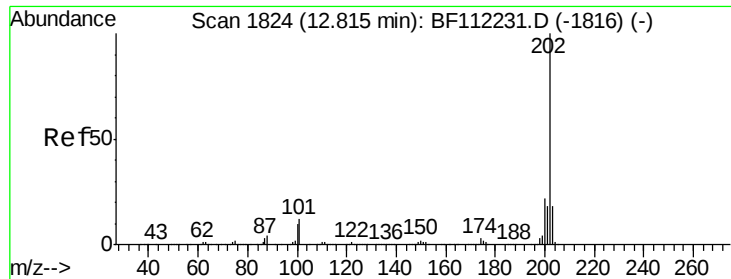
Acq: 11 Feb 2019 16:22

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.5	9.0	13.6
236	25.2	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





#78

Pvrene

Concen: 19.682 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112483.D

Acq: 11 Feb 2019 16:22

Instrument :

BNA_F

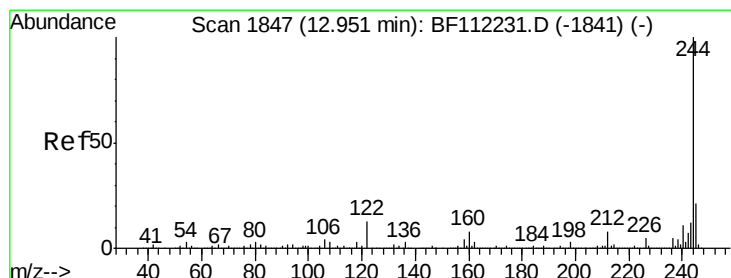
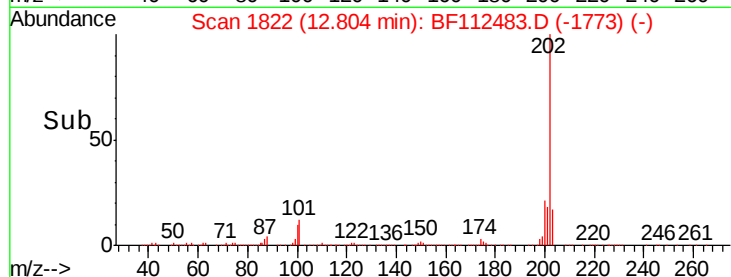
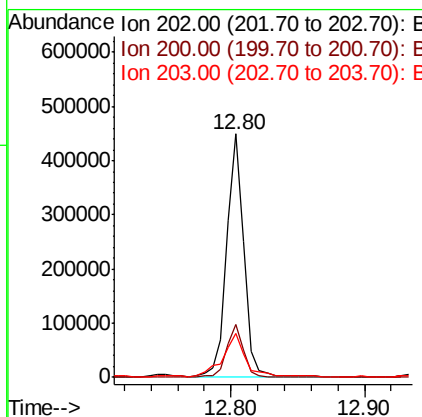
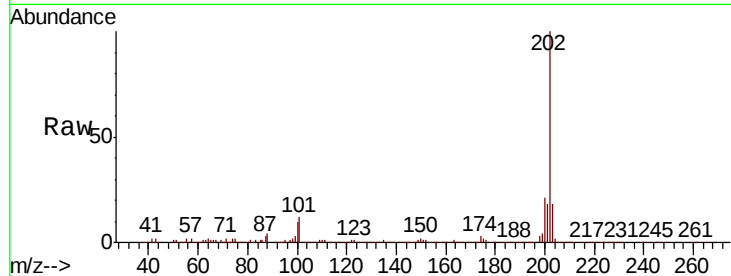
ClientSampleId :

SHORE-RD-BOX-CULVERT-TP

Tot Ion:	202	Resp:	406164
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.7	26.5
203	18.3	14.6	22.0

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#79

Terphenyl-d14

Concen: 77.116 ng

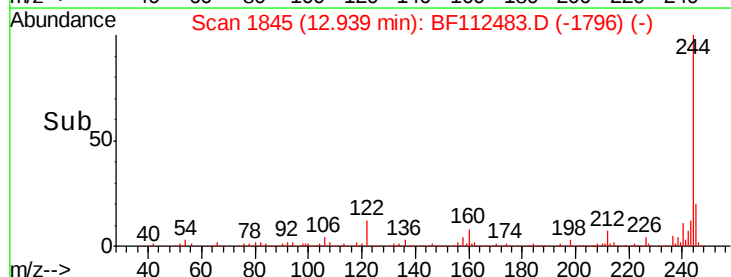
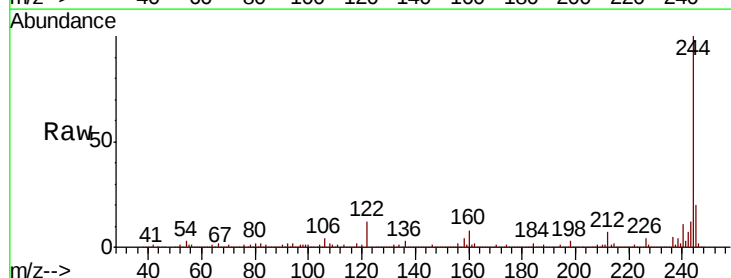
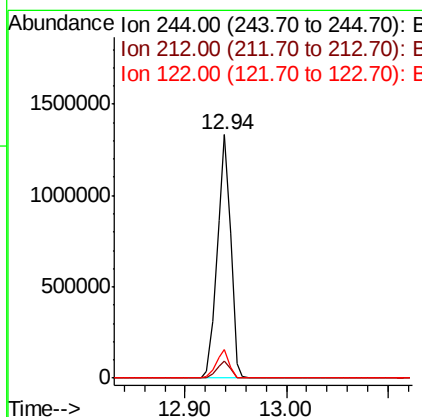
RT: 12.94 min Scan# 1845

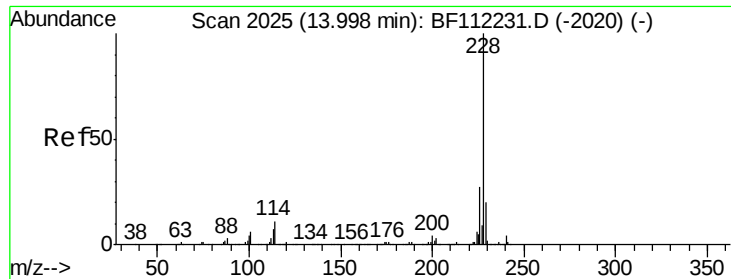
Delta R.T. -0.01 min

Lab File: BF112483.D

Acq: 11 Feb 2019 16:22

Tgt Ion:	244	Resp:	1220408
Ion Ratio		Lower	Upper
244	100		
212	7.2	5.9	8.9
122	11.9	9.8	14.6





#81

Benzo(a)anthracene

Concen: 10.634 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112483.D

Acq: 11 Feb 2019 16:22

Instrument :

BNA_F

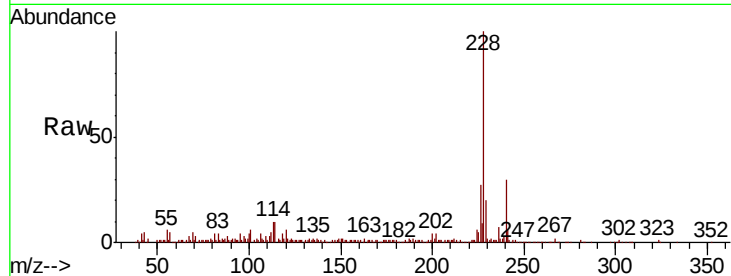
ClientSampleId :

SHORE-RD-BOX-CULVERT-TP

Tot Ion:	228	Resp:	186324
Ion Ratio	Lower	Upper	
228	100		
226	27.2	22.6	34.0
229	20.4	16.5	24.7

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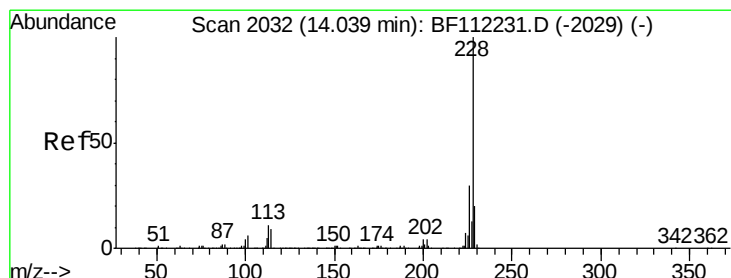
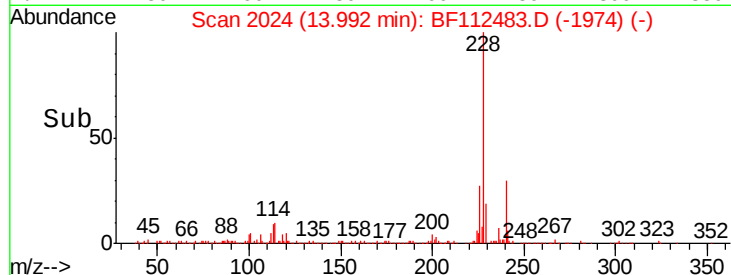
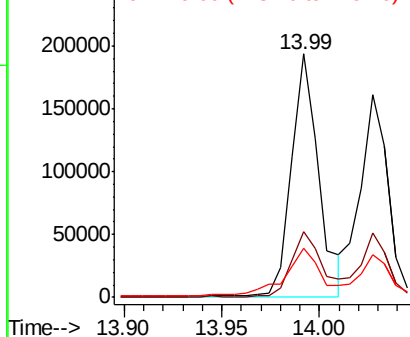


Abundance

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: 9.557 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112483.D

Acq: 11 Feb 2019 16:22

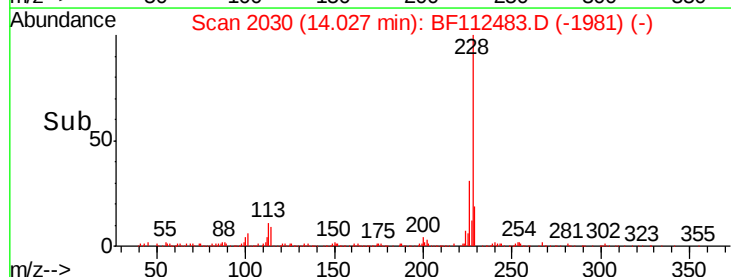
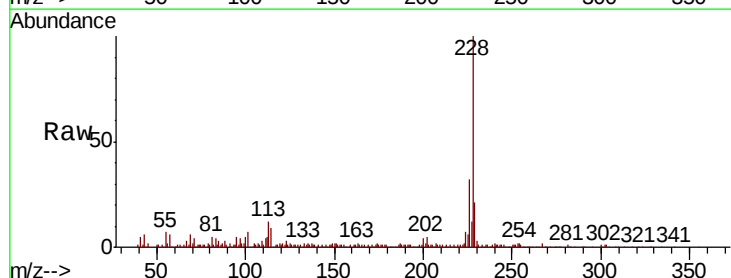
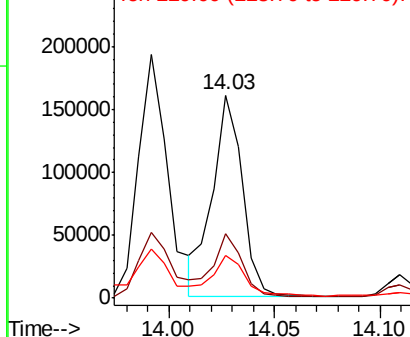
Tgt Ion:	228	Resp:	159843
Ion Ratio	Lower	Upper	
228	100		
226	31.5	25.0	37.6
229	20.8	16.6	24.8

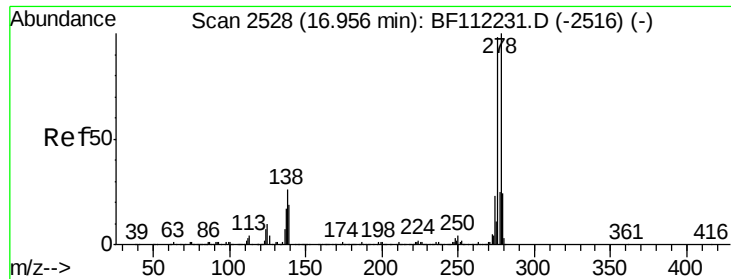
Abundance

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





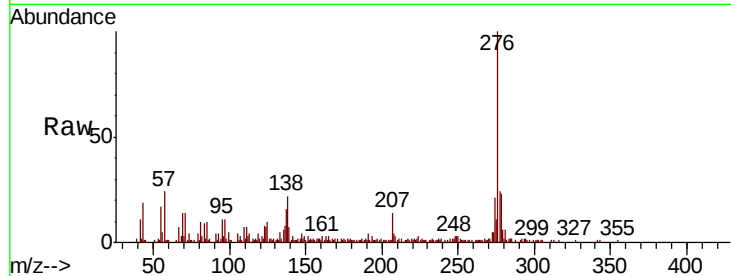
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.915 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.01 min
Lab File: BF112483.D
Acq: 11 Feb 2019 16:22

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	22.6	34.0#
277	24.5	20.3	30.5

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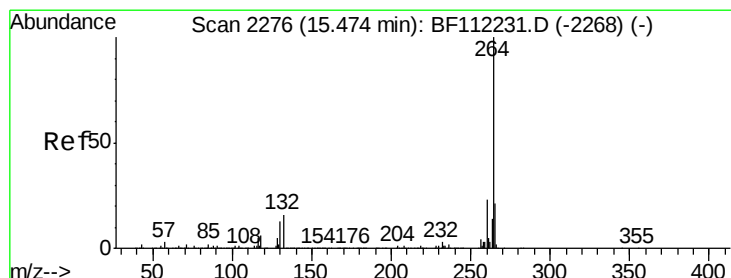
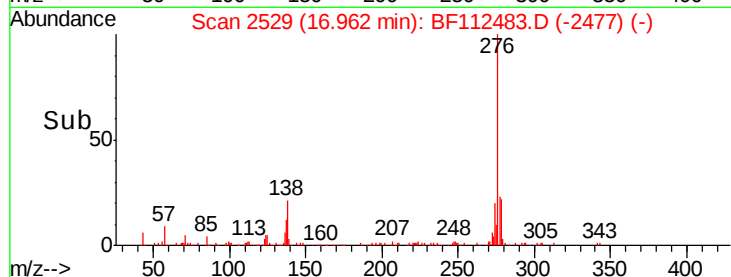
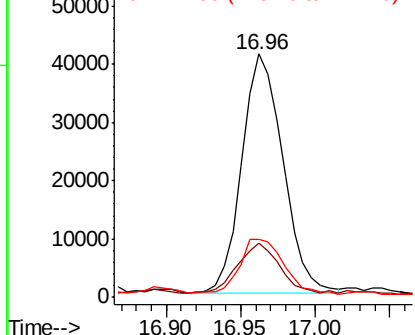


Abundance

Ion 276.00 (275.70 to 276.70): E

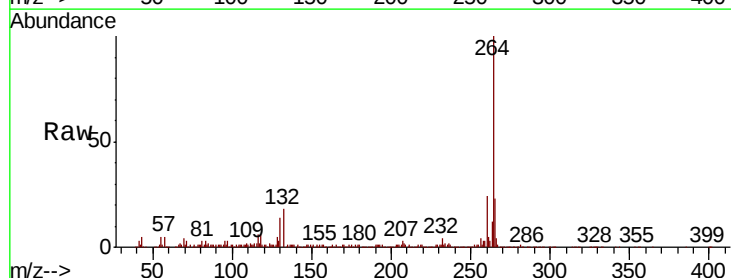
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF112483.D
Acq: 11 Feb 2019 16:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	23.0	17.0	25.4

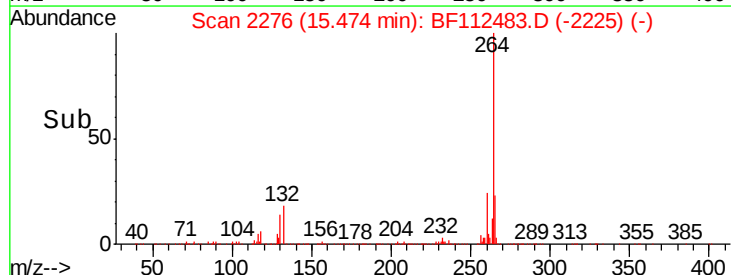
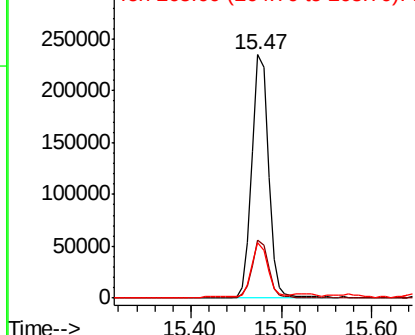


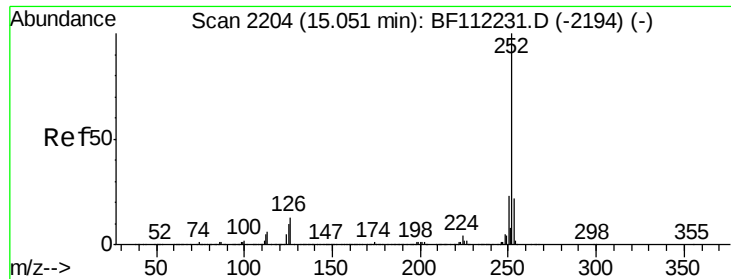
Abundance

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





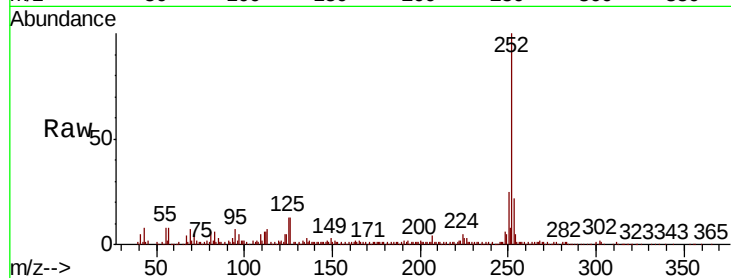
#88
Benzo(b)fluoranthene
Concen: 10.428 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF112483.D
Acq: 11 Feb 2019 16:22

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	13.0	8.7	13.1

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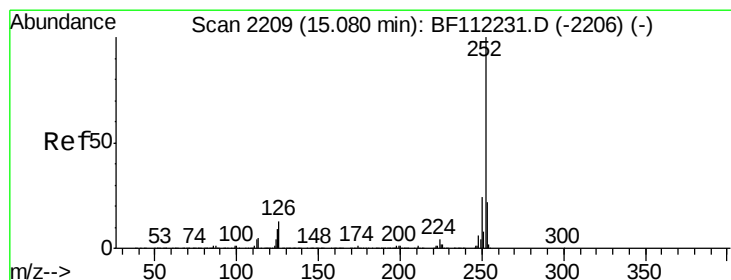
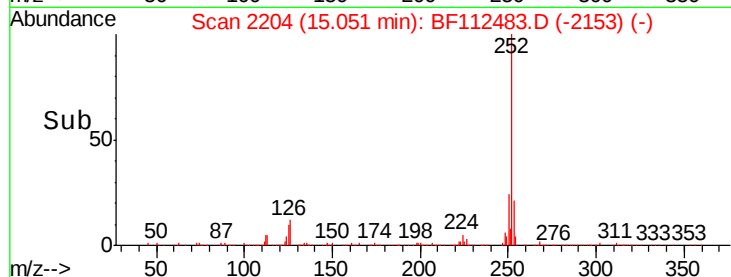
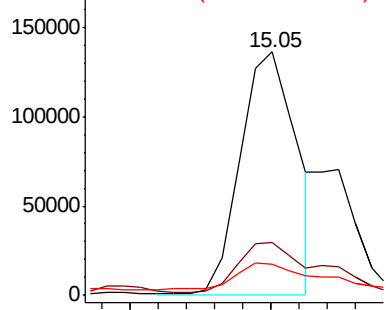


Abundance

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: 4.271 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF112483.D
Acq: 11 Feb 2019 16:22

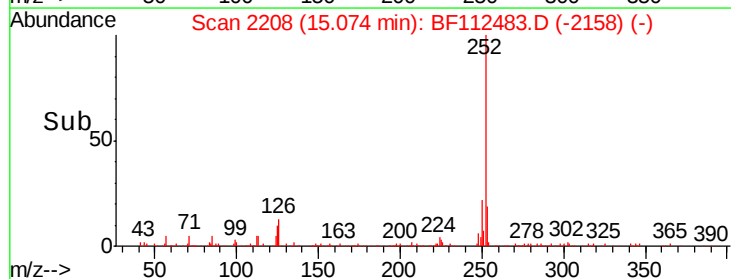
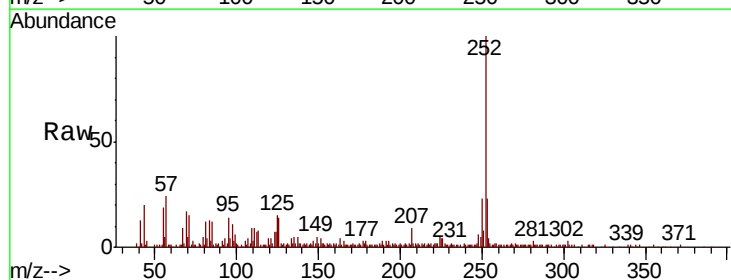
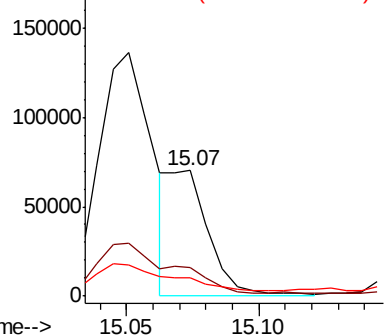
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	14.8	9.1	13.7#

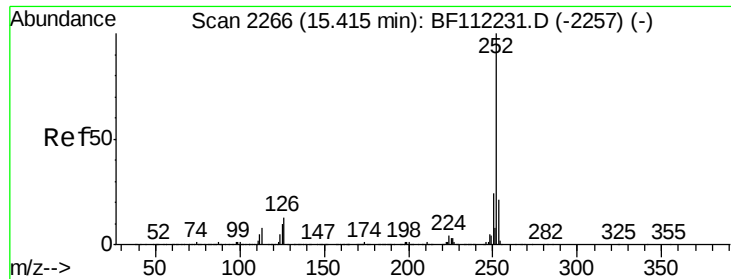
Abundance

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





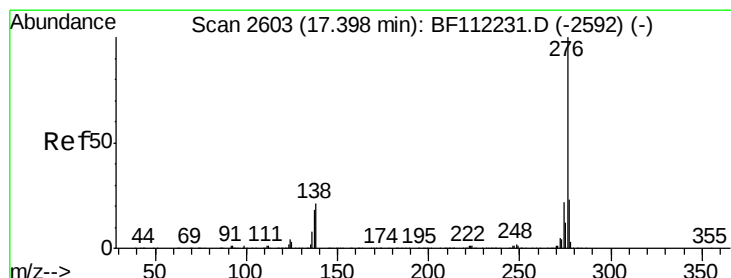
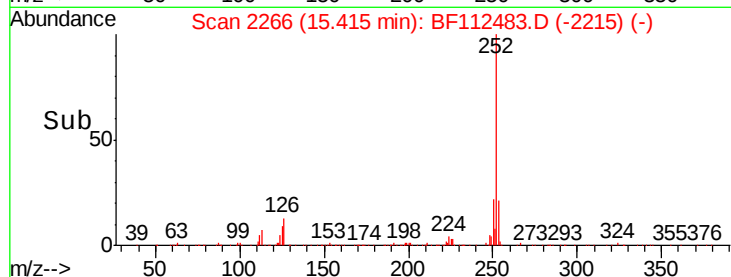
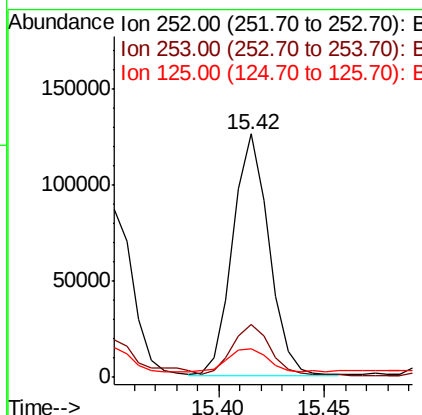
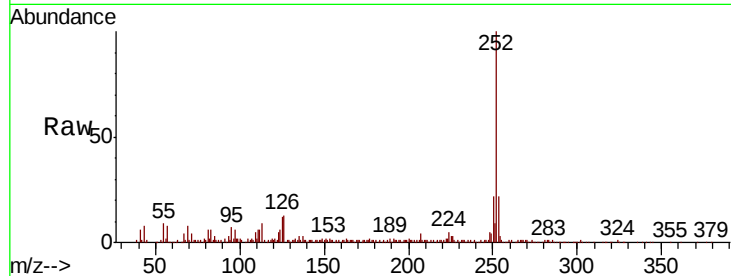
#90
Benzo(a)pyrene
Concen: 9.234 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.00 min
Lab File: BF112483.D
Acq: 11 Feb 2019 16:22

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	11.5	9.0	13.4

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#92
Benzo(g,h,i)perylene
Concen: 6.152 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.02 min
Lab File: BF112483.D
Acq: 11 Feb 2019 16:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.0
138	21.7	19.1	28.7

