

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021119\
 Data File : BF112495.D
 Acq On : 11 Feb 2019 21:47
 Operator : JU/SJ
 Sample : K1450-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Feb 12 01:31:51 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	116910	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	436441	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	184077	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	293152	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	260339	20.00	ng	0.00
87) Perylene-d12	15.47	264	273559	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	796673	144.74	ng	0.00
7) Phenol-d6	6.49	99	889031	116.24	ng	0.00
23) Nitrobenzene-d5	7.40	82	688689	90.92	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	262667	122.59	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1335221	102.59	ng	-0.02
79) Terphenyl-d14	12.94	244	1109979	80.30	ng	-0.01

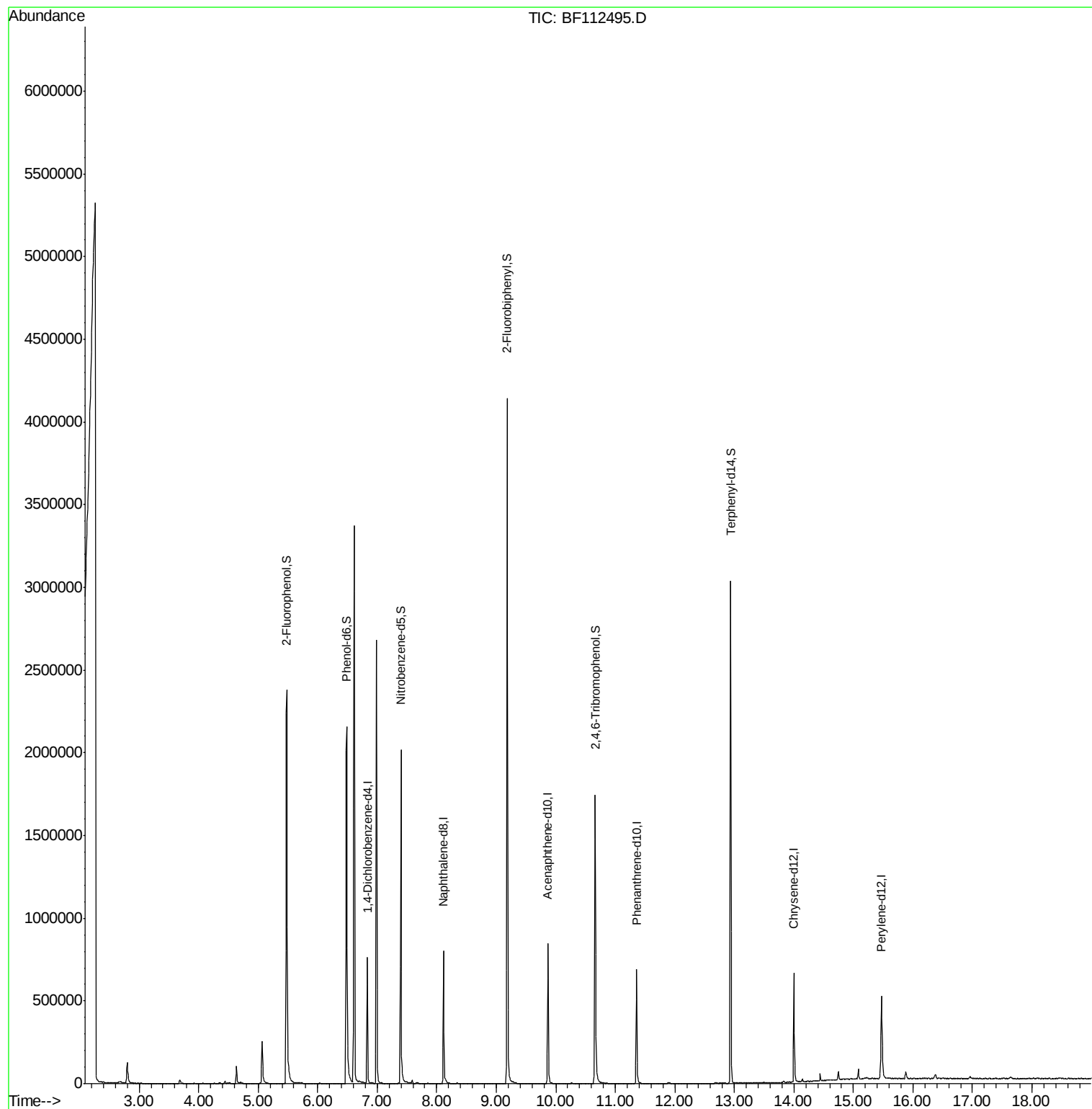
Target Compounds Qvalue

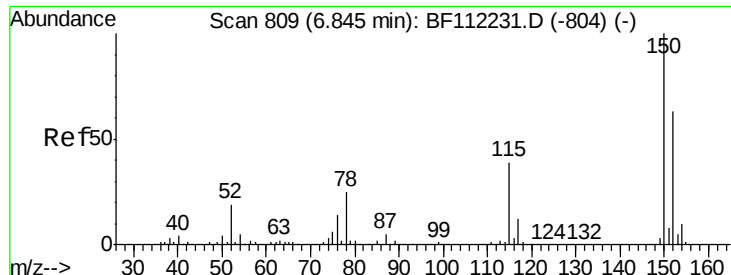
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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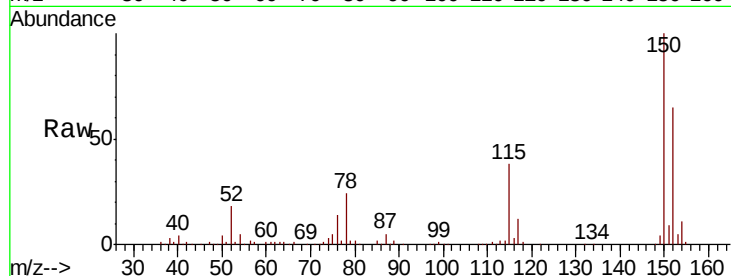


#1

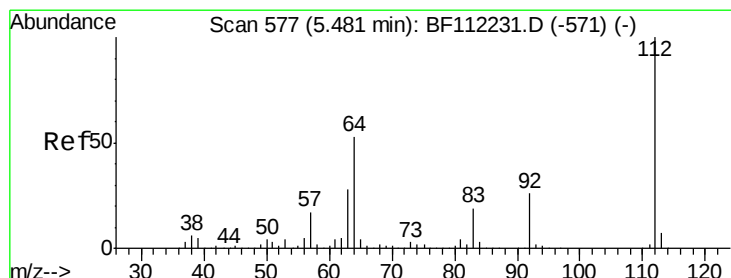
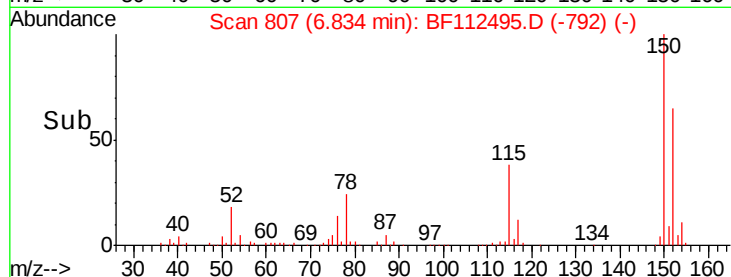
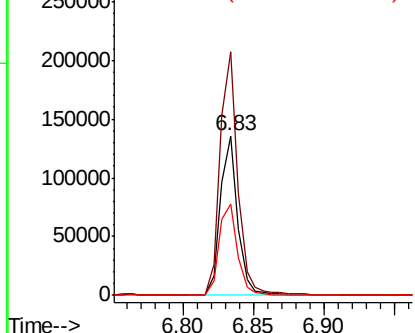
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112495.D
 Acq: 11 Feb 2019 21:47

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

Tot Ion:152 Resp: 116910
 Ion Ratio Lower Upper
 152 100
 150 152.9 127.4 191.0
 115 57.4 45.5 68.3



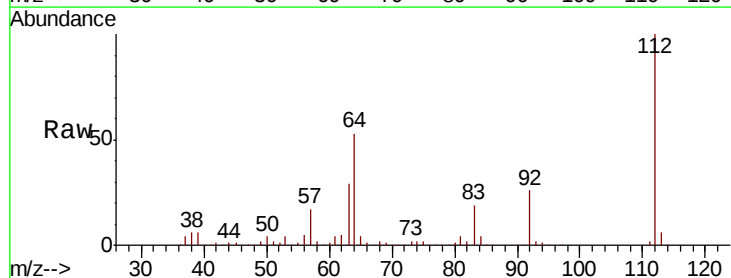
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



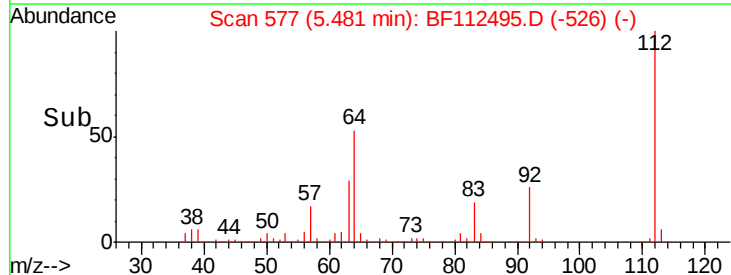
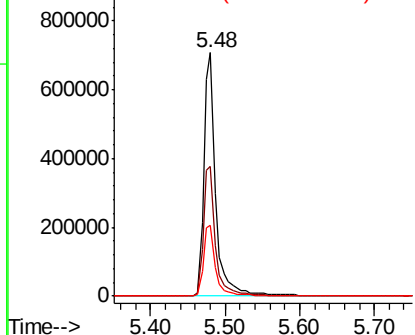
#5

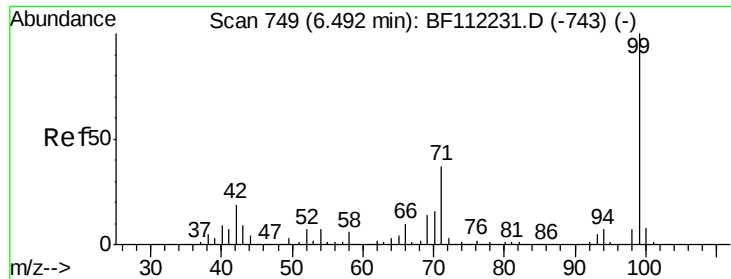
2-Fluorophenol
 Concen: 144.743 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF112495.D
 Acq: 11 Feb 2019 21:47

Tgt Ion:112 Resp: 796673
 Ion Ratio Lower Upper
 112 100
 64 53.4 45.7 68.5
 63 29.2 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 116.241 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112495.D

Acq: 11 Feb 2019 21:47

Instrument :

BNA_F

ClientSampleId :

SHORE-RD-BOX-CULVERT-TP

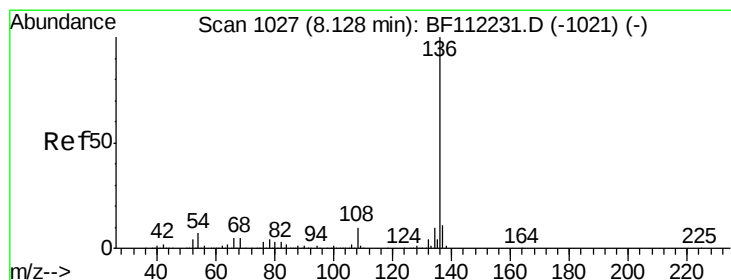
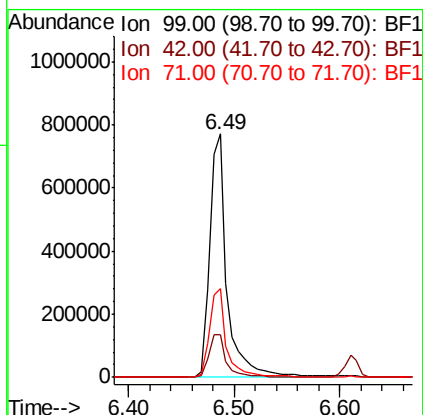
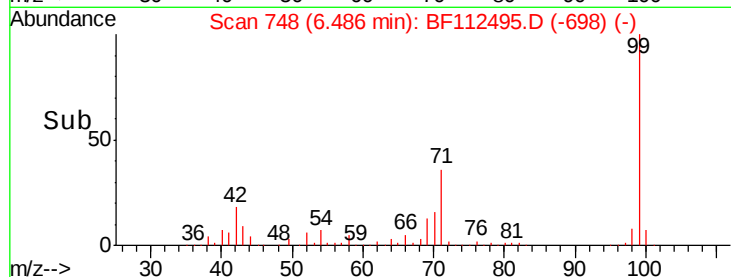
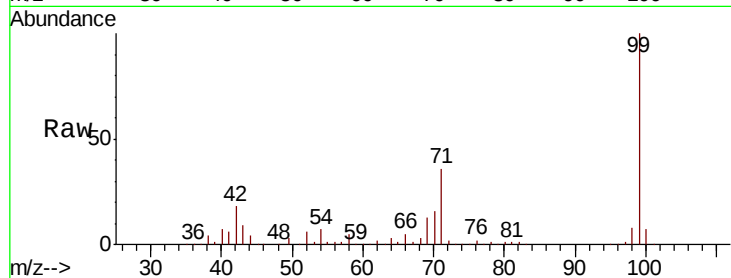
Tot Ion: 99 Resp: 889031

Ion Ratio Lower Upper

99 100

42 17.6 15.1 22.7

71 36.3 26.9 40.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112495.D

Acq: 11 Feb 2019 21:47

Tgt Ion: 136 Resp: 436441

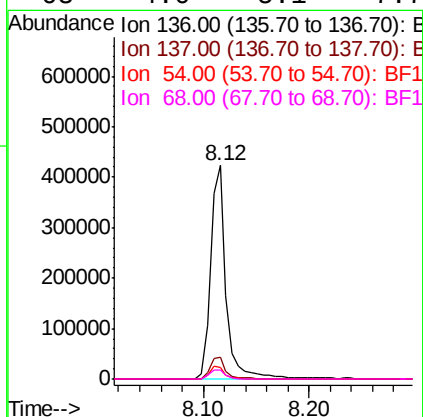
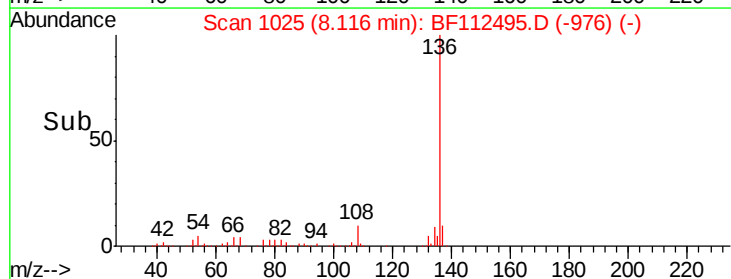
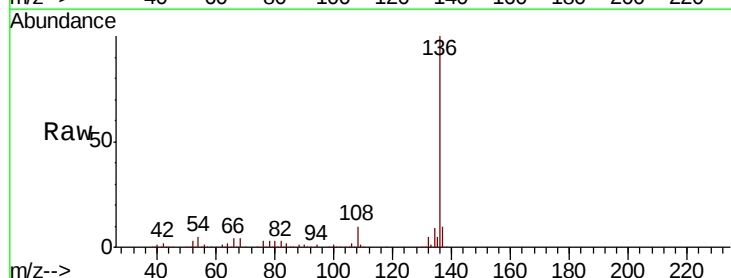
Ion Ratio Lower Upper

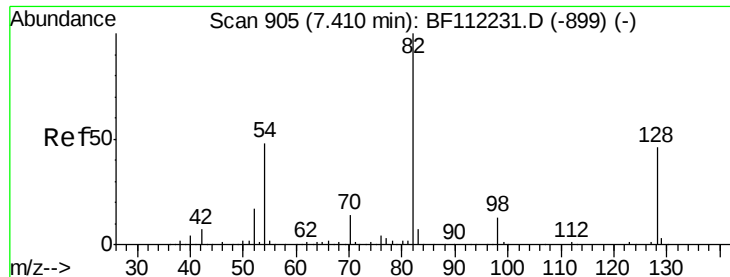
136 100

137 10.4 9.1 13.7

54 5.3 5.9 8.9#

68 4.0 5.1 7.7#

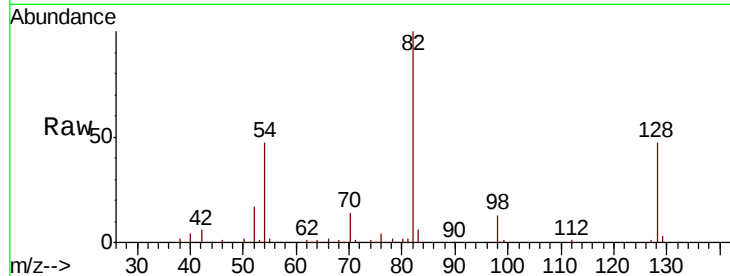




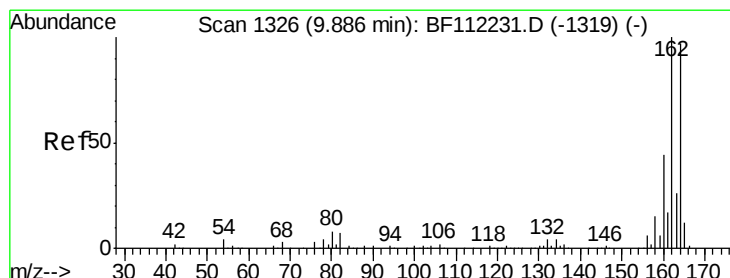
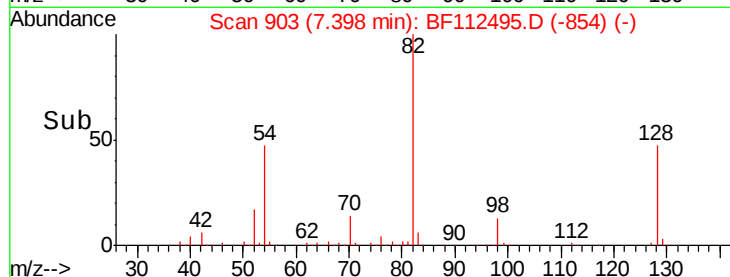
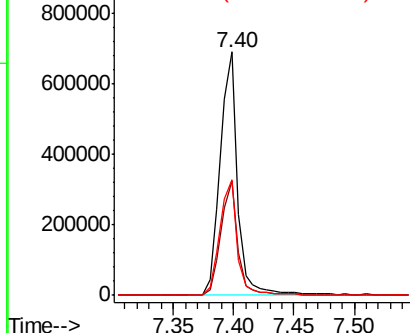
#23
 Nitrobenzene-d5
 Concen: 90.922 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112495.D
 Acq: 11 Feb 2019 21:47

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

Tot Ion: 82 Resp: 688689
 Ion Ratio Lower Upper
 82 100
 128 47.0 37.8 56.8
 54 47.4 39.7 59.5

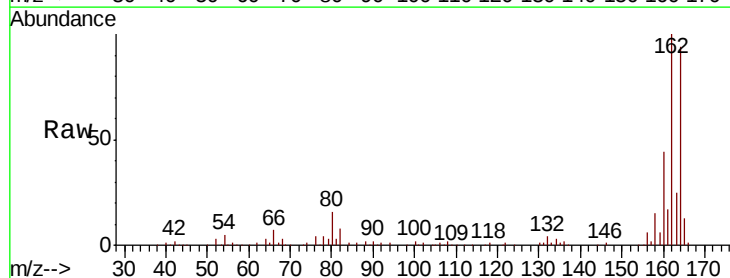


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

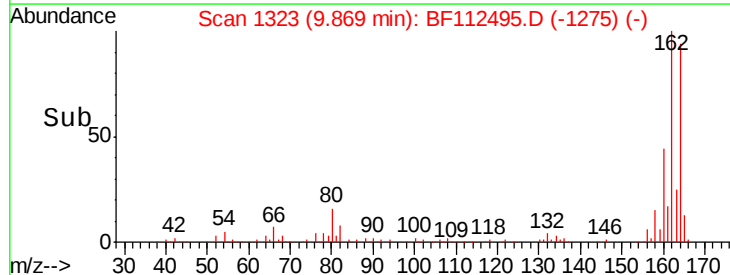
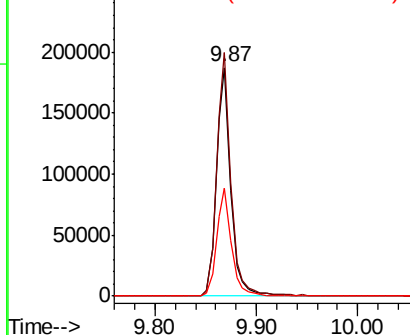


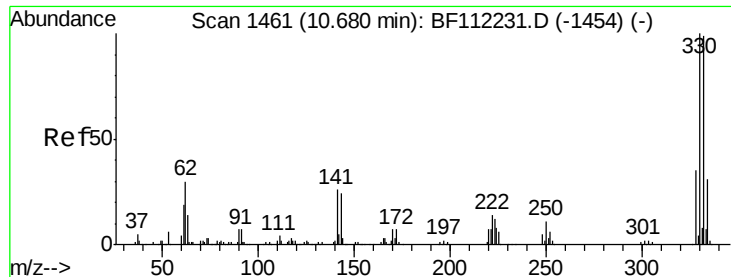
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112495.D
 Acq: 11 Feb 2019 21:47

Tgt Ion: 164 Resp: 184077
 Ion Ratio Lower Upper
 164 100
 162 106.6 82.2 123.4
 160 47.3 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: 122.592 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112495.D

Acq: 11 Feb 2019 21:47

Instrument :

BNA_F

ClientSampleId :

SHORE-RD-BOX-CULVERT-TP

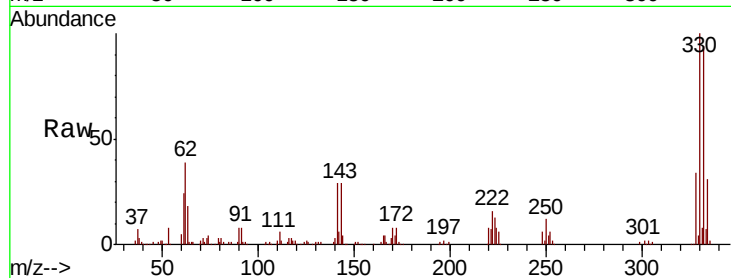
Tot Ion:330 Resp: 262667

Ion Ratio Lower Upper

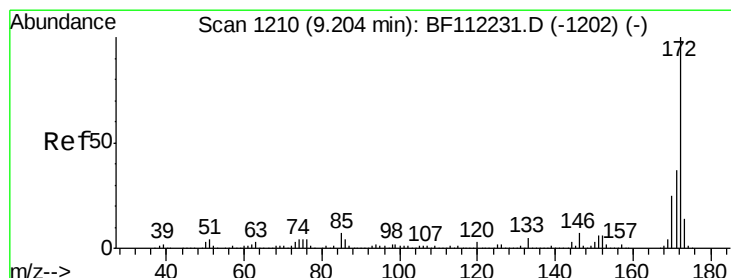
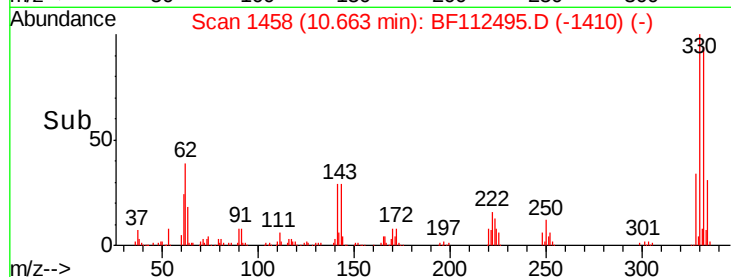
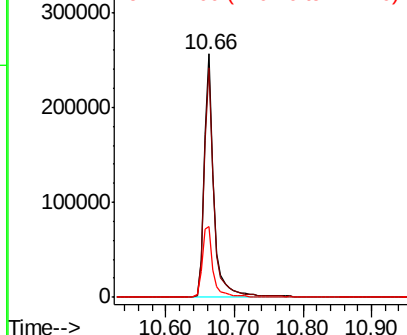
330 100

332 94.6 76.6 114.8

141 32.3 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: 102.590 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112495.D

Acq: 11 Feb 2019 21:47

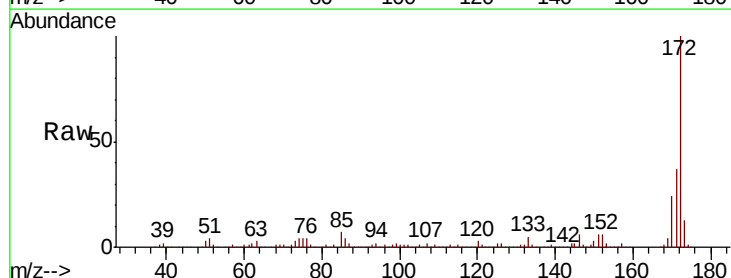
Tgt Ion:172 Resp: 1335221

Ion Ratio Lower Upper

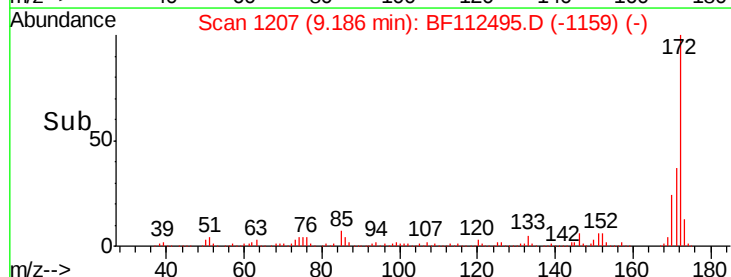
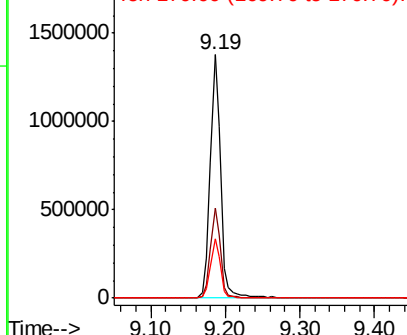
172 100

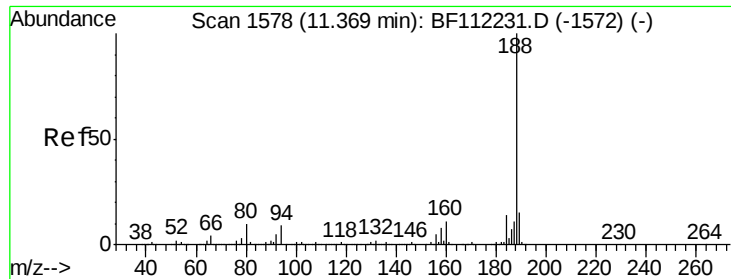
171 37.1 30.5 45.7

170 24.2 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

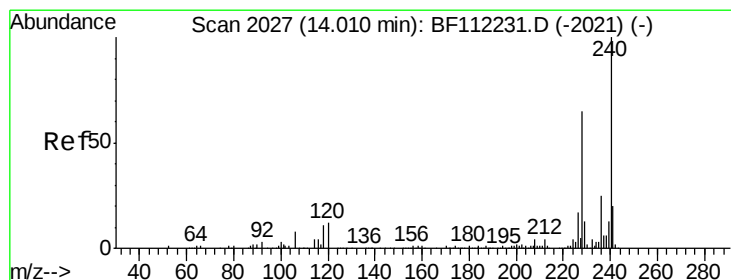
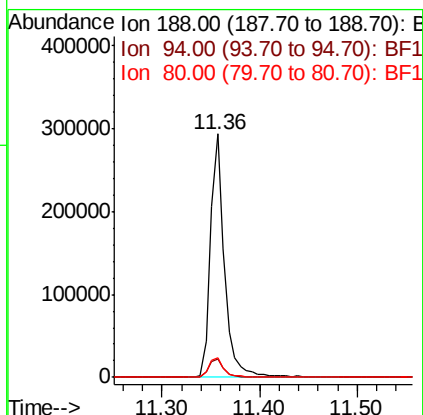
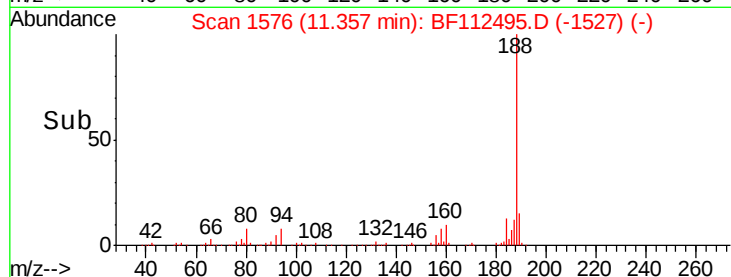
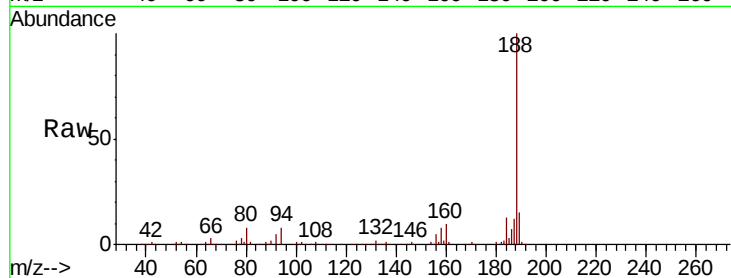




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112495.D
Acq: 11 Feb 2019 21:47

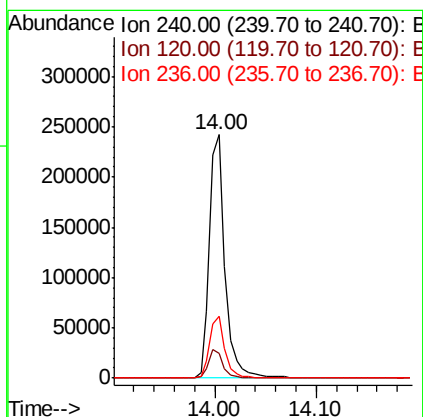
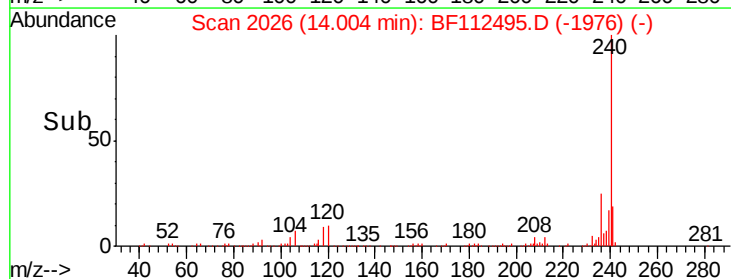
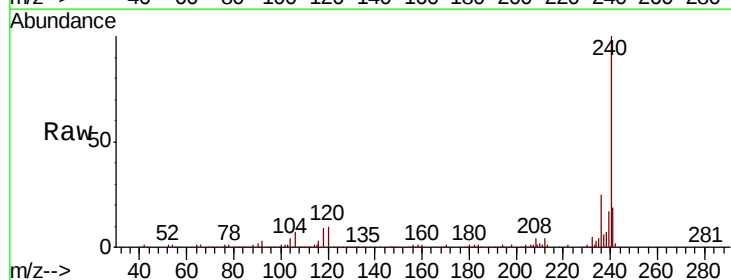
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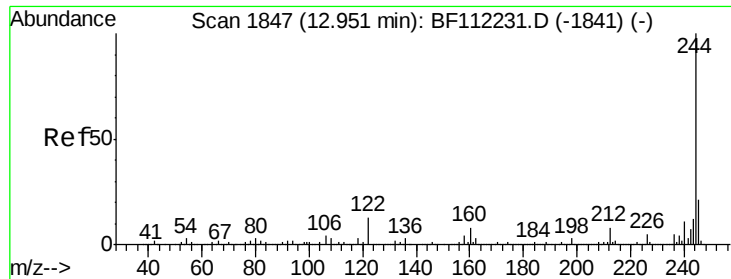
Tot Ion:188 Resp: 293152
Ion Ratio Lower Upper
188 100
94 7.7 8.2 12.2#
80 8.0 8.9 13.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112495.D
Acq: 11 Feb 2019 21:47

Tgt Ion:240 Resp: 260339
Ion Ratio Lower Upper
240 100
120 10.1 9.0 13.6
236 25.4 20.7 31.1

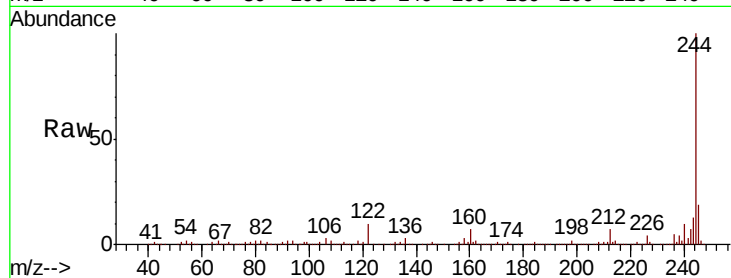




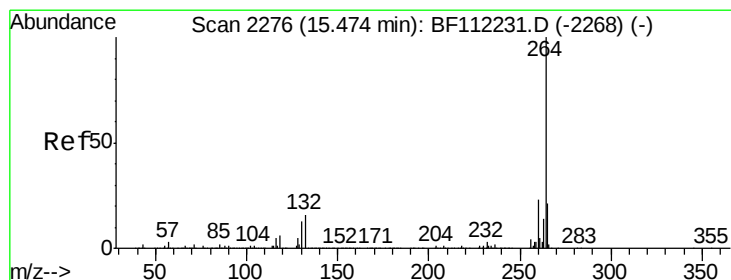
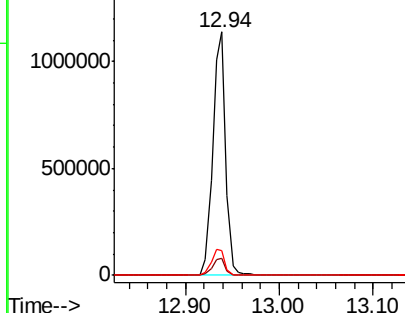
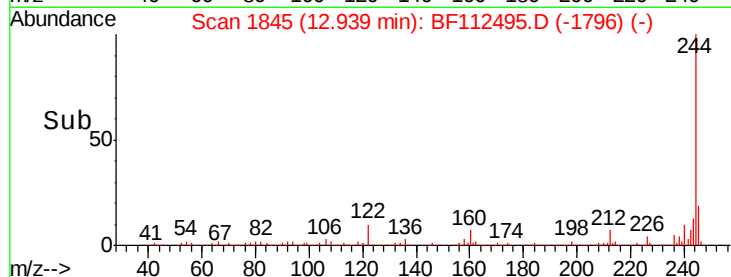
#79
 Terphenyl-d14
 Concen: 80.302 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112495.D
 Acq: 11 Feb 2019 21:47

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

Tot Ion:244 Resp: 1109979
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 10.0 9.8 14.6

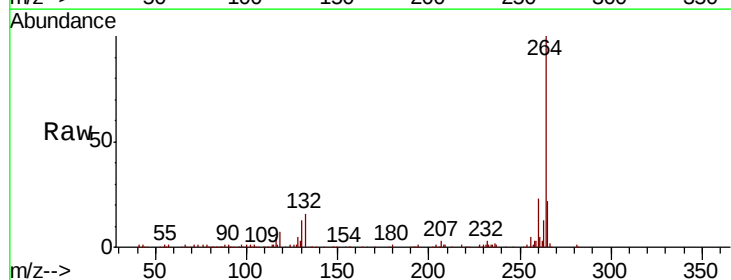


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.00 min
 Lab File: BF112495.D
 Acq: 11 Feb 2019 21:47

Tgt Ion:264 Resp: 273559
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.2 27.2
 265 21.8 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

