

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021119\
 Data File : BF112488.D
 Acq On : 11 Feb 2019 18:37
 Operator : JU/SJ
 Sample : K1453-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-9-S

Quant Time: Feb 12 01:20:13 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

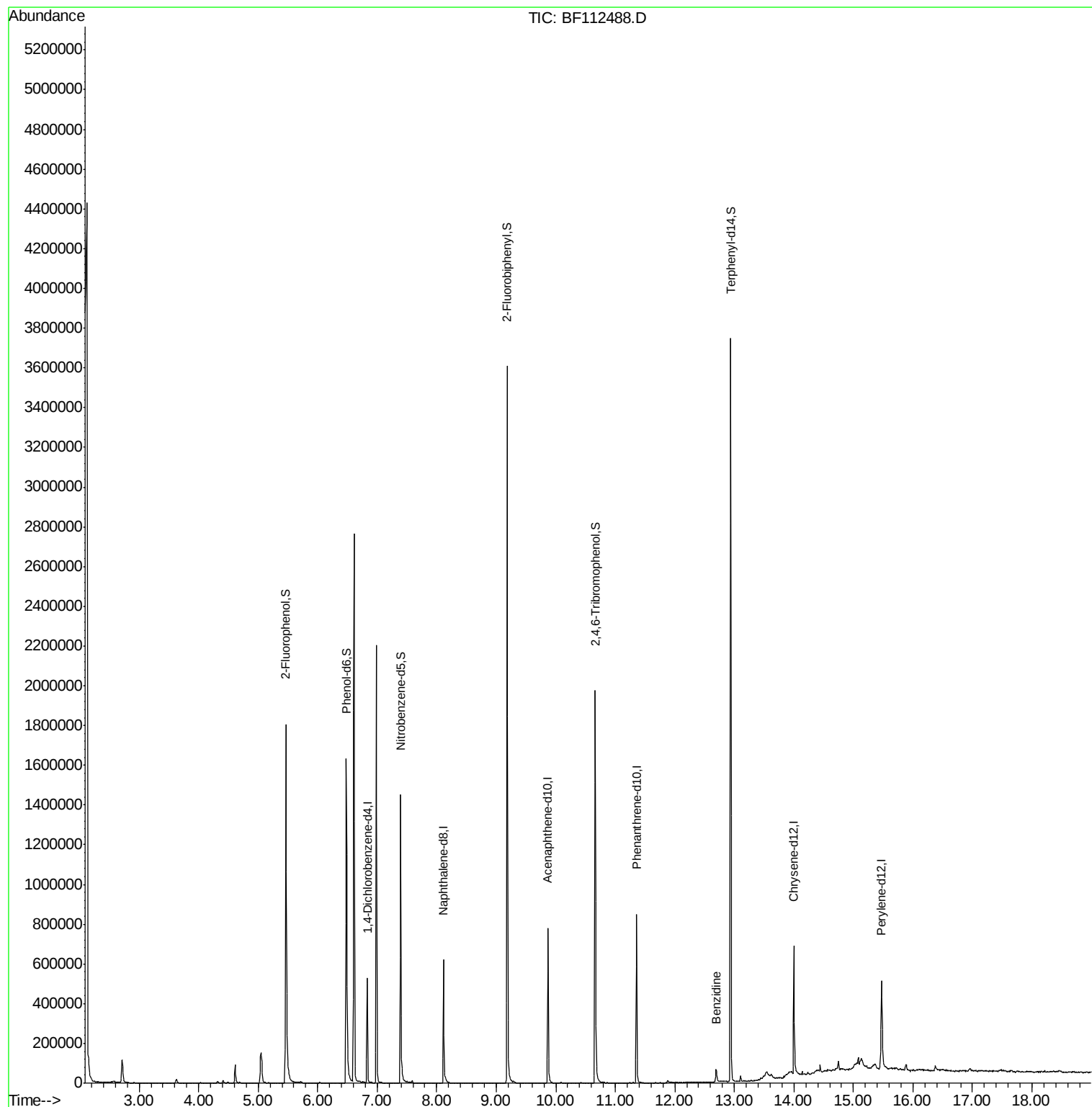
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	86496	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	332039	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	164995	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	321195	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	254629	20.00	ng	-0.01
87) Perylene-d12	15.47	264	226968	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	582867	143.13	ng	-0.01
7) Phenol-d6	6.48	99	636304	112.45	ng	-0.01
23) Nitrobenzene-d5	7.39	82	518176	89.92	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	273768	142.55	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1066263	91.40	ng	-0.02
79) Terphenyl-d14	12.94	244	1202941	88.98	ng	-0.01
Target Compounds						
77) Benzidine	12.69	184	40934	5.841	ng	Qvalue 97

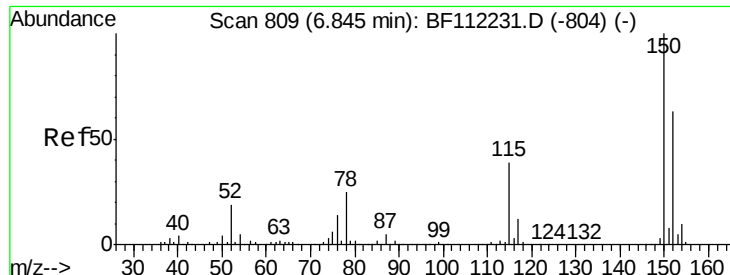
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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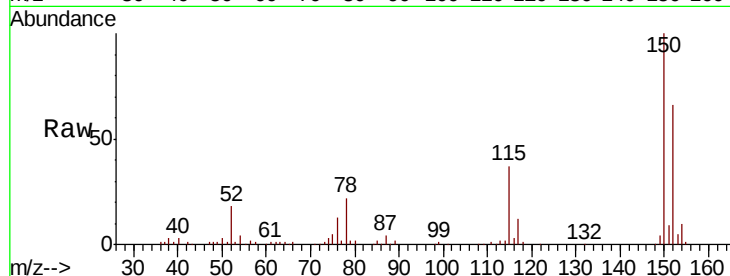


#1

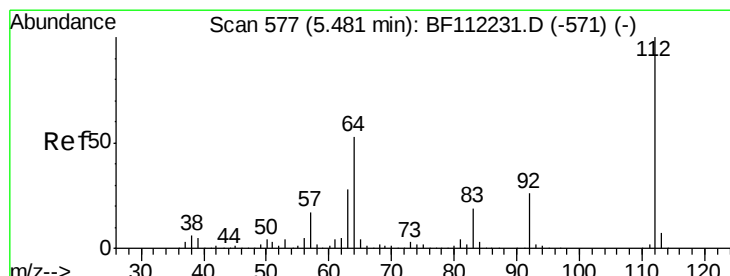
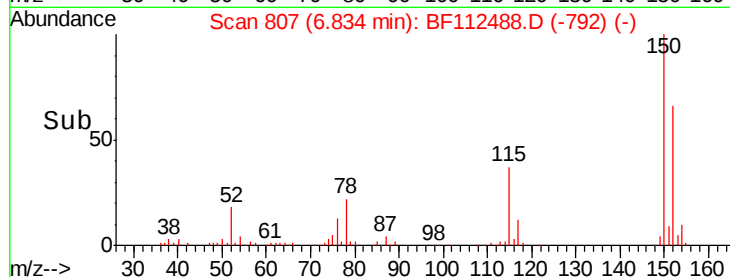
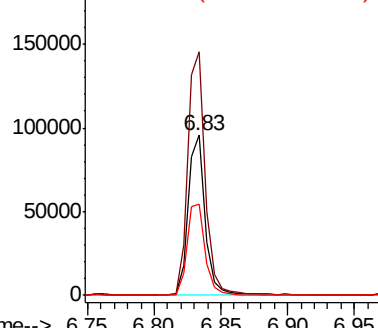
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112488.D
Acq: 11 Feb 2019 18:37

Instrument :
BNA_F
ClientSampleId :
M-9-S

Tot Ion:152 Resp: 86496
Ion Ratio Lower Upper
152 100
150 152.0 127.4 191.0
115 56.8 45.5 68.3



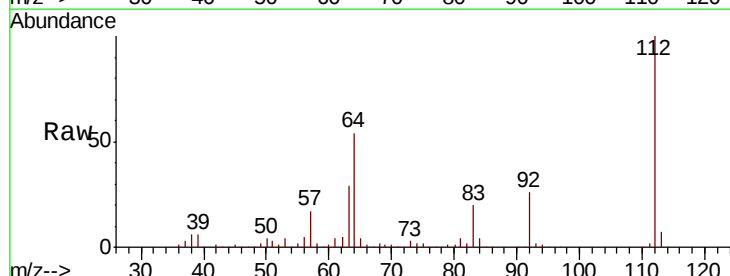
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



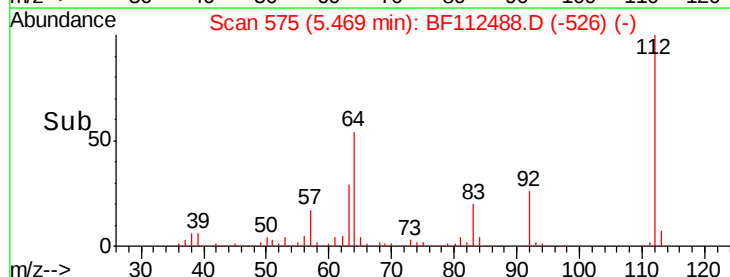
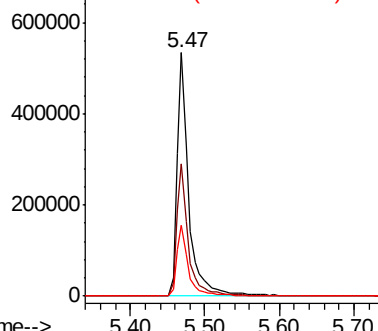
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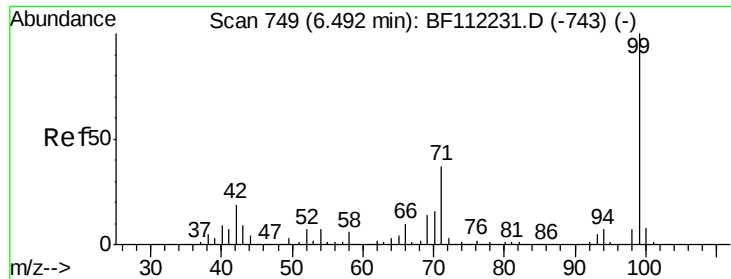
2-Fluorophenol
Concen: 143.134 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112488.D
Acq: 11 Feb 2019 18:37

Tgt Ion:112 Resp: 582867
Ion Ratio Lower Upper
112 100
64 54.3 45.7 68.5
63 28.9 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: 112.451 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112488.D

Acq: 11 Feb 2019 18:37

Instrument :

BNA_F

ClientSampleId :

M-9-S

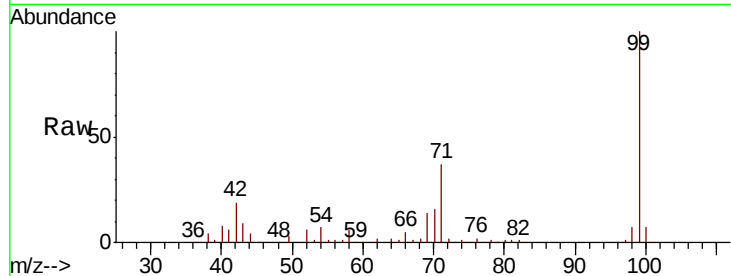
Tot Ion: 99 Resp: 636304

Ion Ratio Lower Upper

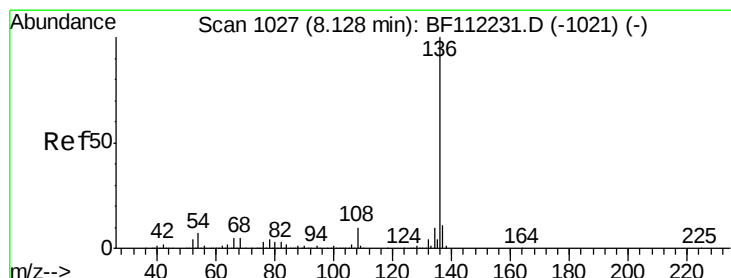
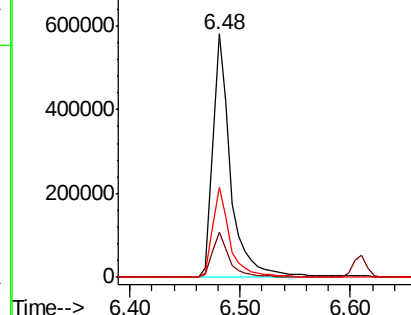
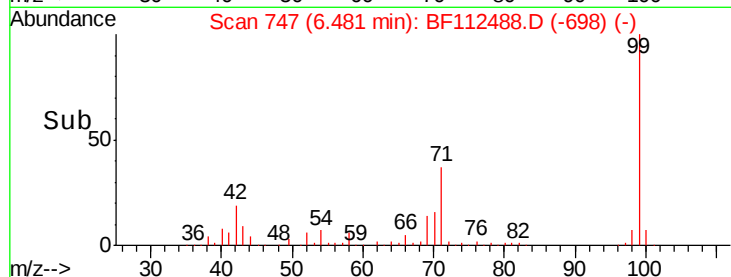
99 100

42 18.7 15.1 22.7

71 37.0 26.9 40.3



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: BF112488.D

Acq: 11 Feb 2019 18:37

Tgt Ion:136 Resp: 332039

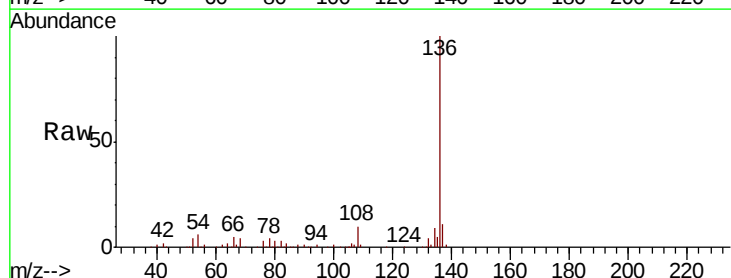
Ion Ratio Lower Upper

136 100

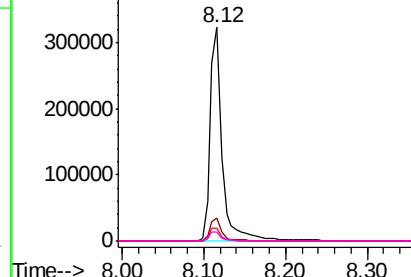
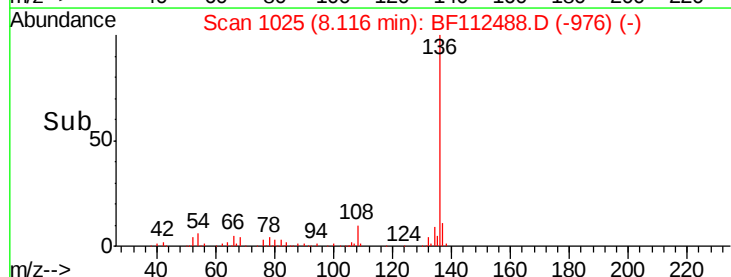
137 10.6 9.1 13.7

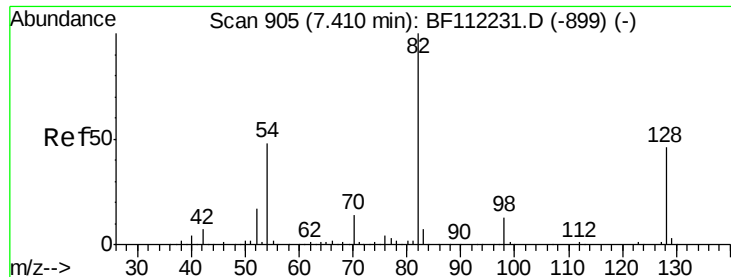
54 5.7 5.9 8.9#

68 4.1 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

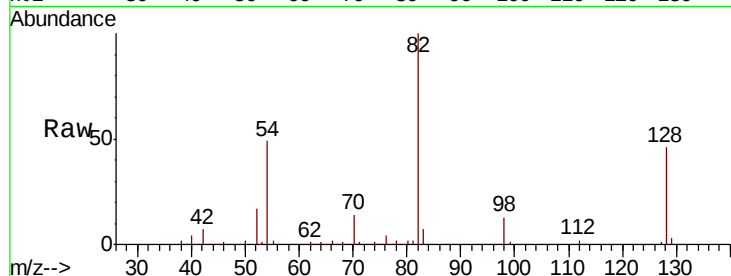




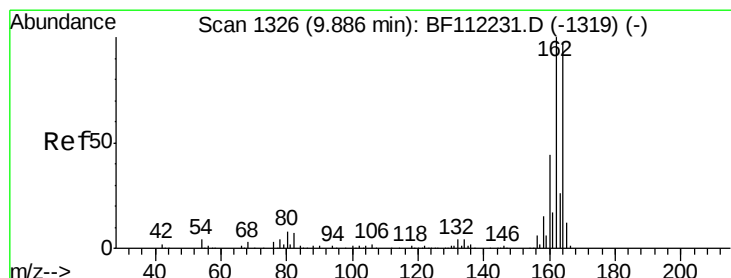
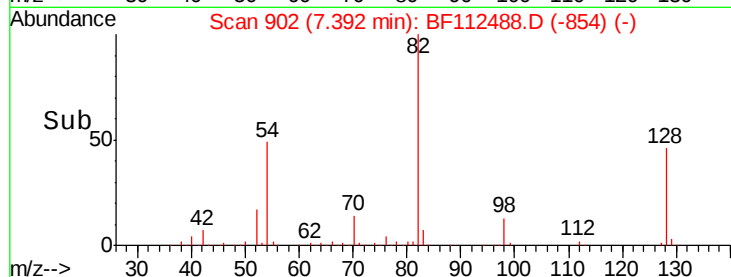
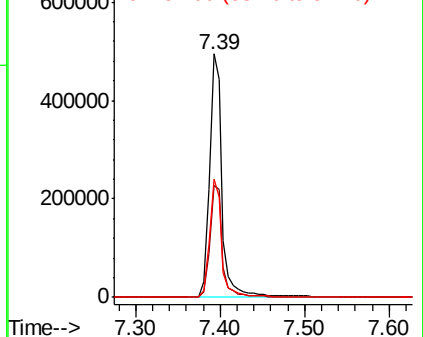
#23
Nitrobenzene-d5
Concen: 89.921 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112488.D
Acq: 11 Feb 2019 18:37

Instrument :
BNA_F
ClientSampleId :
M-9-S

Tot Ion: 82 Resp: 518176
Ion Ratio Lower Upper
82 100
128 45.8 37.8 56.8
54 48.7 39.7 59.5

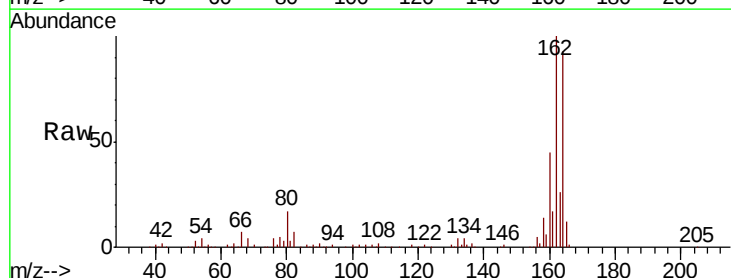


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

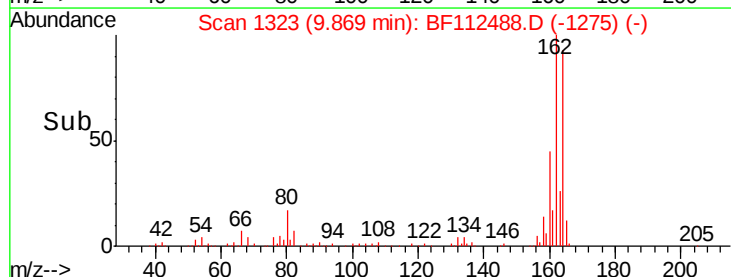
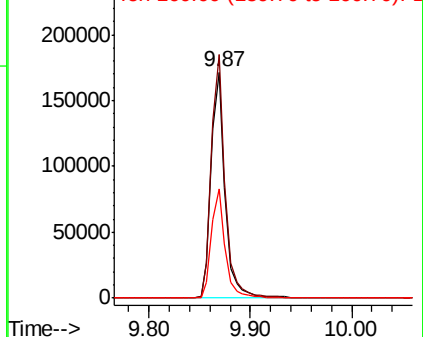


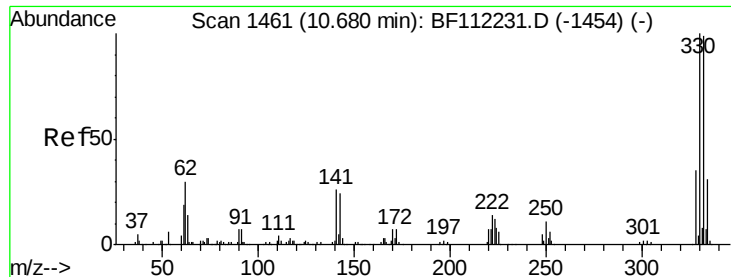
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112488.D
Acq: 11 Feb 2019 18:37

Tgt Ion: 164 Resp: 164995
Ion Ratio Lower Upper
164 100
162 107.7 82.2 123.4
160 48.5 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

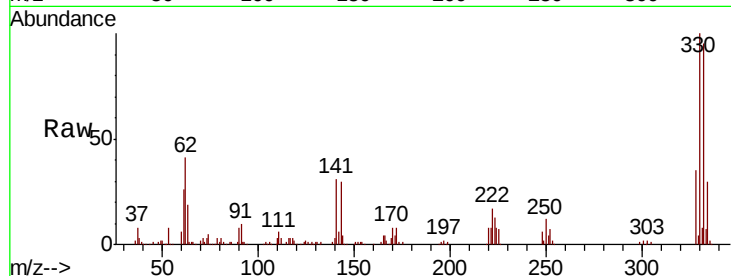




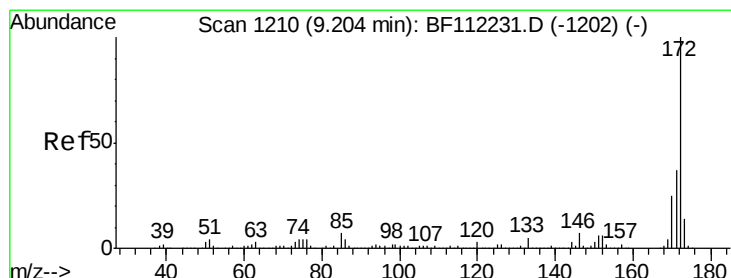
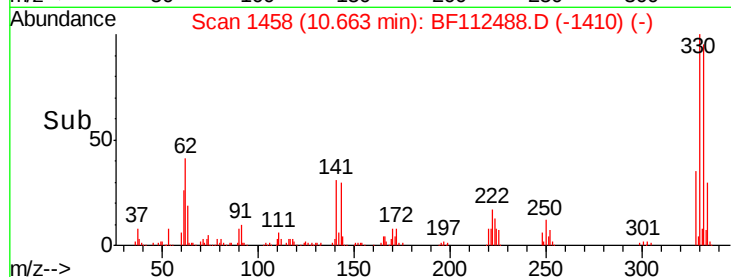
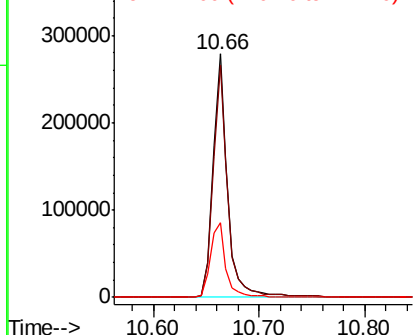
#42
 2,4,6-Tribromophenol
 Concen: 142.551 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112488.D
 Acq: 11 Feb 2019 18:37

Instrument :
 BNA_F
 ClientSampleId :
 M-9-S

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	114.8
141	32.8	24.3	36.5

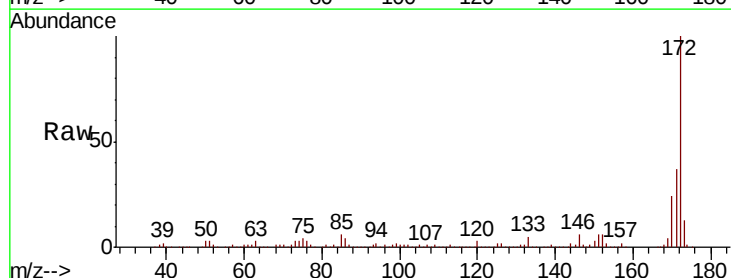


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

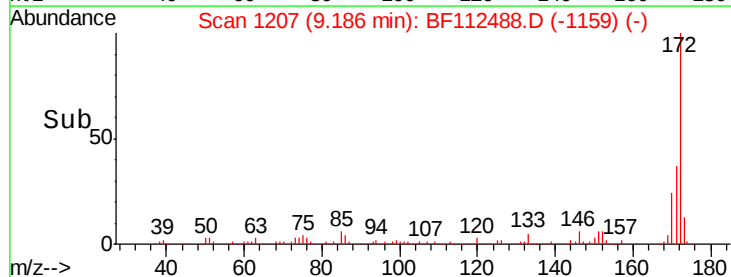
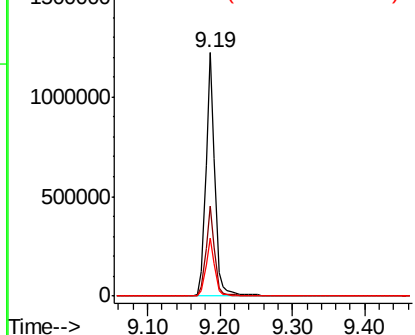


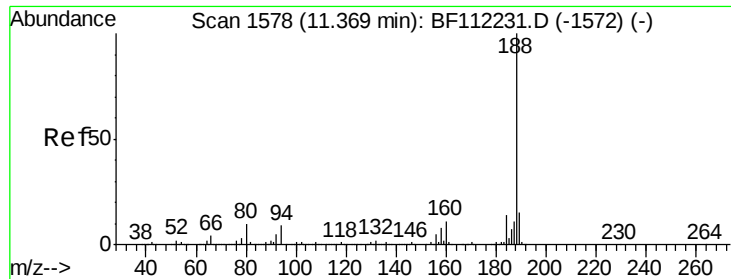
#45
 2-Fluorobiphenyl
 Concen: 91.400 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112488.D
 Acq: 11 Feb 2019 18:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.5	45.7
170	23.9	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

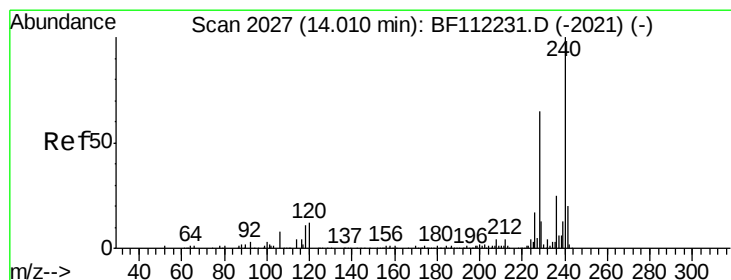
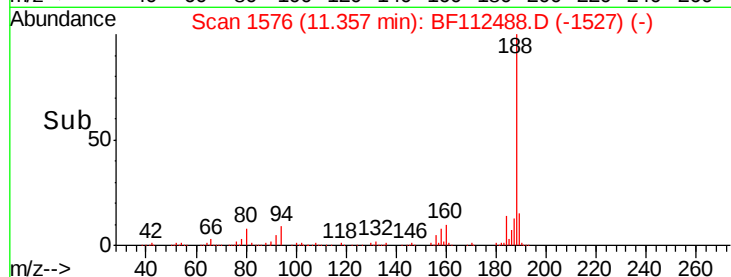
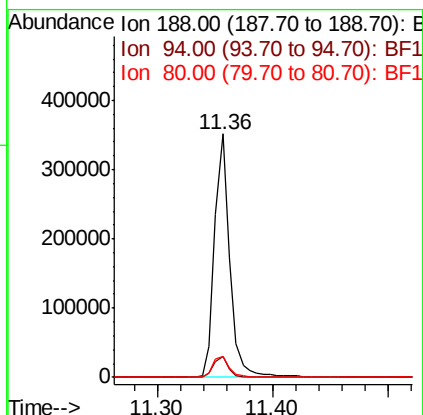
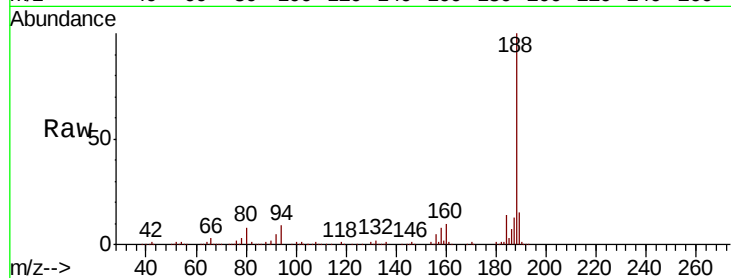




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112488.D
Acq: 11 Feb 2019 18:37

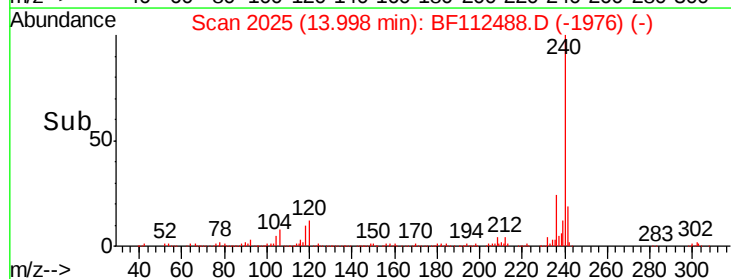
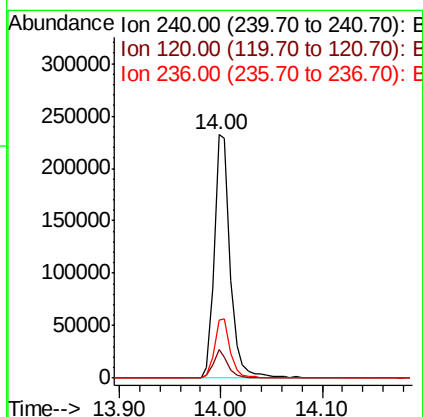
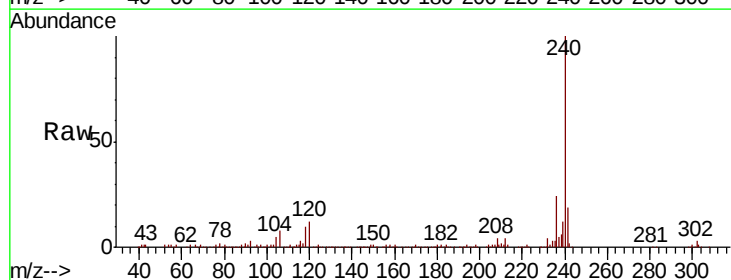
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M-9-S

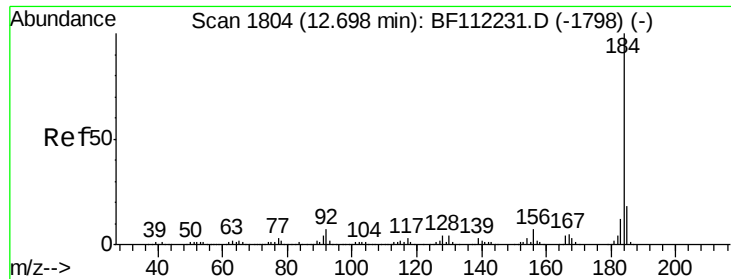
Tot Ion:188 Resp: 321195
Ion Ratio Lower Upper
188 100
94 8.5 8.2 12.2
80 8.5 8.9 13.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112488.D
Acq: 11 Feb 2019 18:37

Tgt Ion:240 Resp: 254629
Ion Ratio Lower Upper
240 100
120 11.7 9.0 13.6
236 24.1 20.7 31.1





#77

Benzidine

Concen: 5.841 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF112488.D

Acq: 11 Feb 2019 18:37

Instrument :

BNA_F

ClientSampleId :

M-9-S

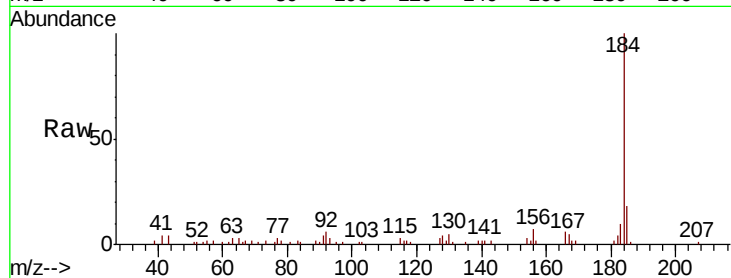
Tot Ion:184 Resp: 40934

Ion Ratio Lower Upper

184 100

185 17.7 13.9 20.9

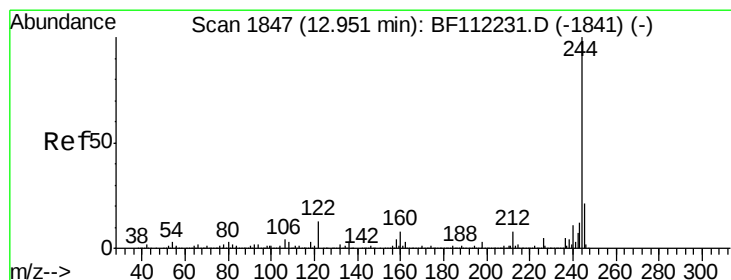
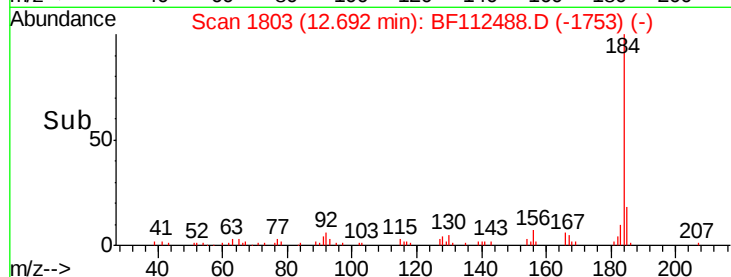
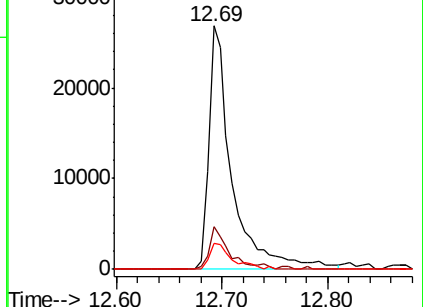
183 10.4 10.0 15.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 88.979 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112488.D

Acq: 11 Feb 2019 18:37

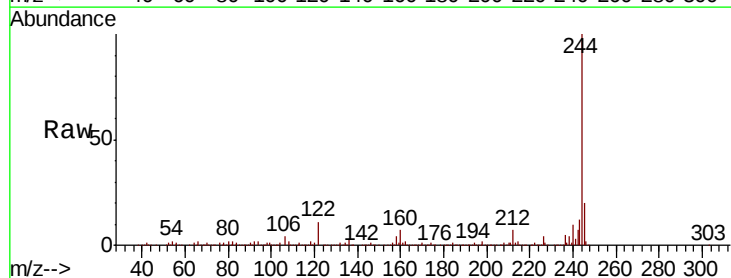
Tgt Ion:244 Resp: 1202941

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

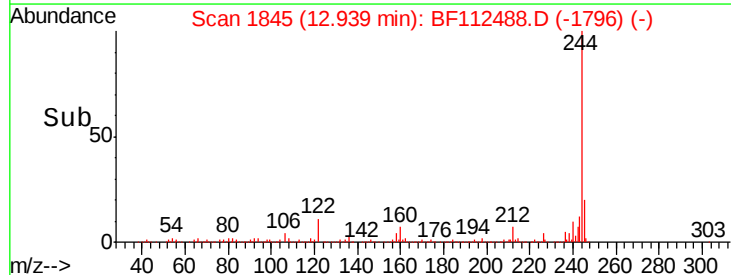
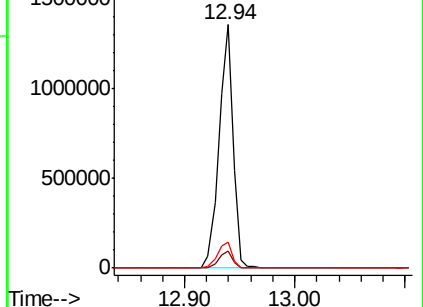
122 10.8 9.8 14.6

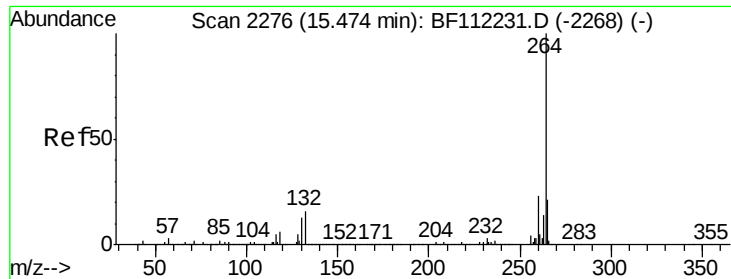


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112488.D
Acq: 11 Feb 2019 18:37

Instrument :
BNA_F
ClientSampleId :
M-9-S

Tot Ion:	264	Resp:	226968
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.2
265	21.0	17.0	25.4

