

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051819\
 Data File : BF114397.D
 Acq On : 18 May 2019 17:56
 Operator : JU/SJ
 Sample : K2643-05 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 04:10:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

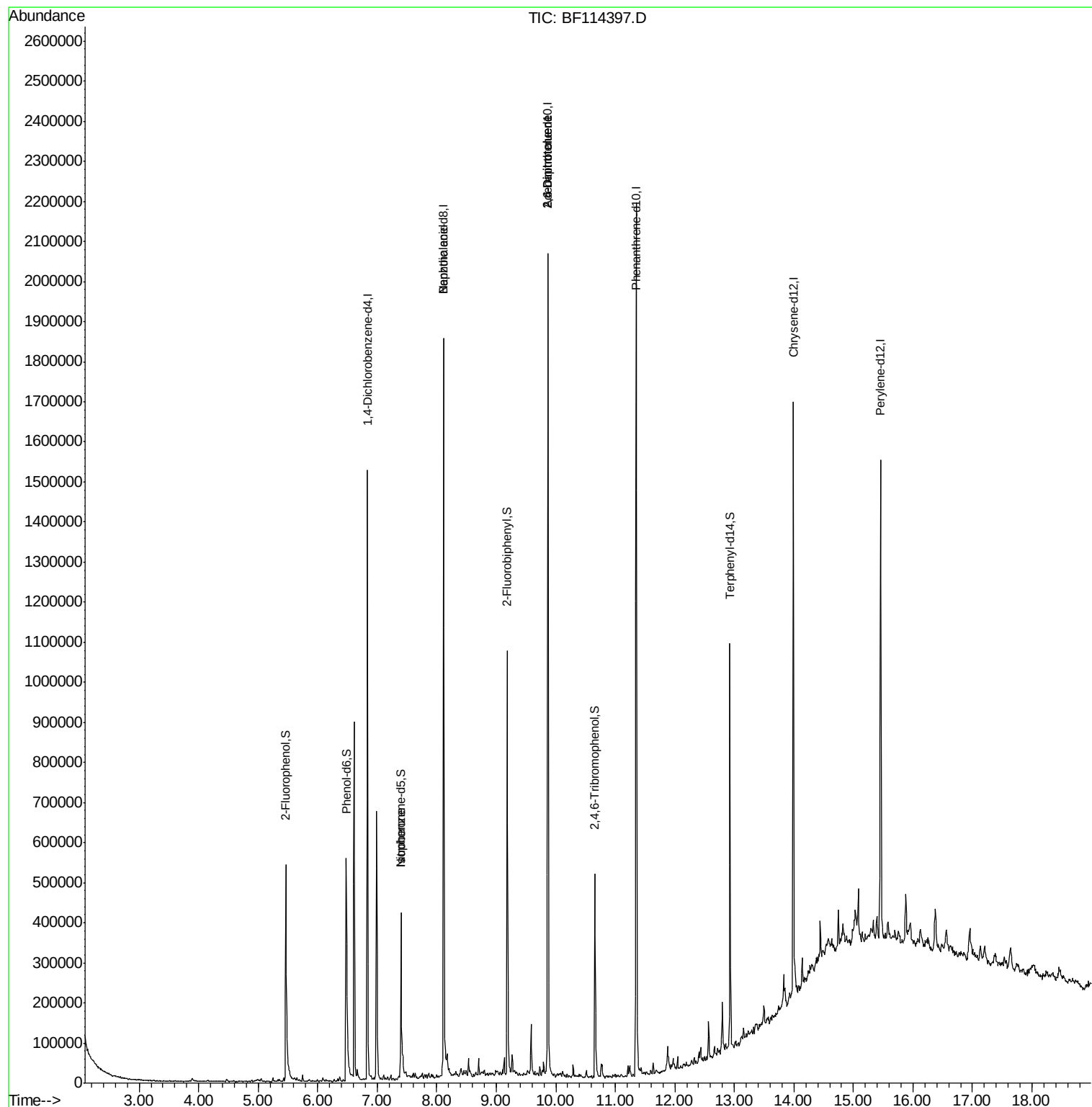
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	225741	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	903643	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	426963	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	825060	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	501991	20.00	ng	-0.03
87) Perylene-d12	15.46	264	538830	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	217824	15.53	ng	-0.02
7) Phenol-d6	6.48	99	297505	17.93	ng	-0.01
23) Nitrobenzene-d5	7.40	82	173649	10.78	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	65293	14.79	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	355758	12.60	ng	-0.02
79) Terphenyl-d14	12.93	244	335592	13.78	ng	-0.03
Target Compounds						
25) Isophorone	7.40	82	173649	5.815	ng	# 65
32) Benzoic acid	8.12	122	224	7.042	ng	# 1
51) 2,6-Dinitrotoluene	9.87	165	53605	7.711	ng	# 22
57) 2,4-Dinitrotoluene	9.87	165	53607	5.681	ng	# 25

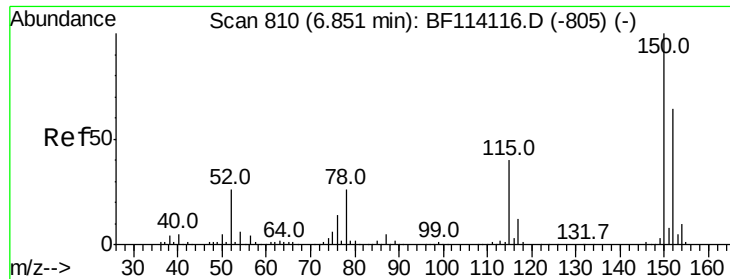
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 20 04:10:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration



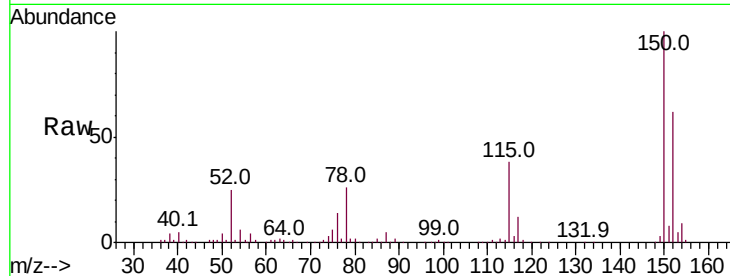


#1

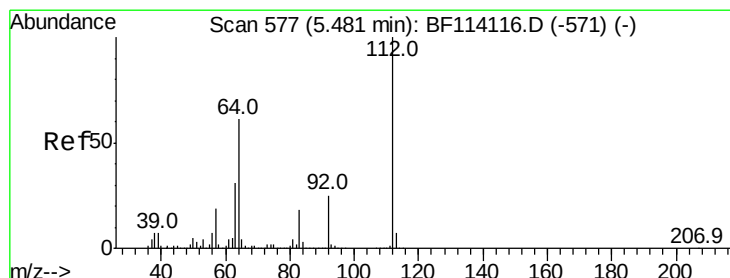
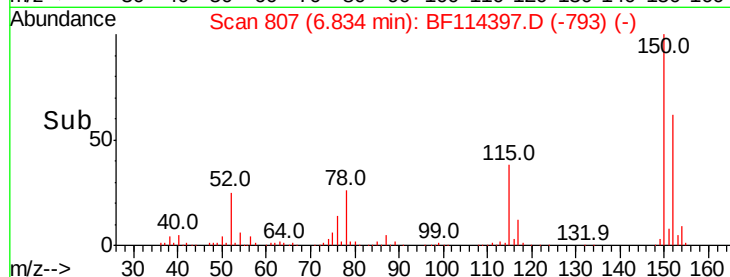
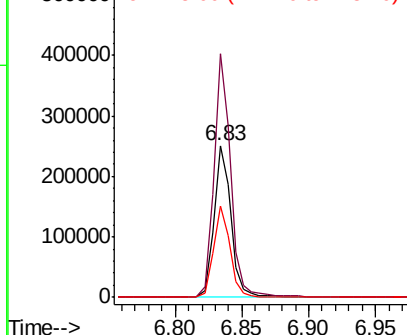
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF114397.D
Acq: 18 May 2019 17:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.3	186.5
115	60.1	49.1	73.7



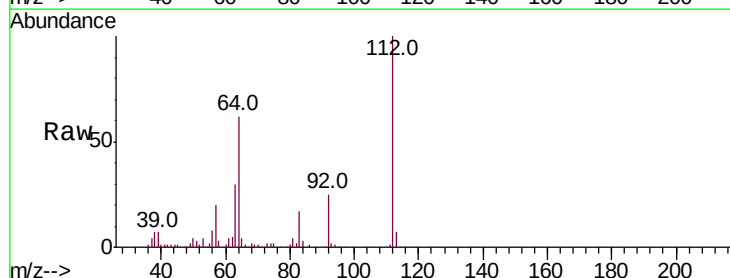
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



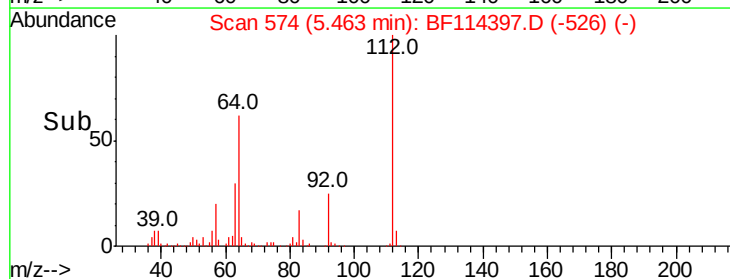
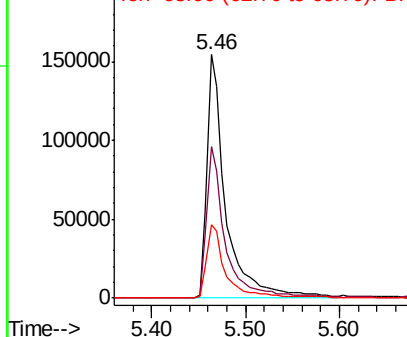
#5

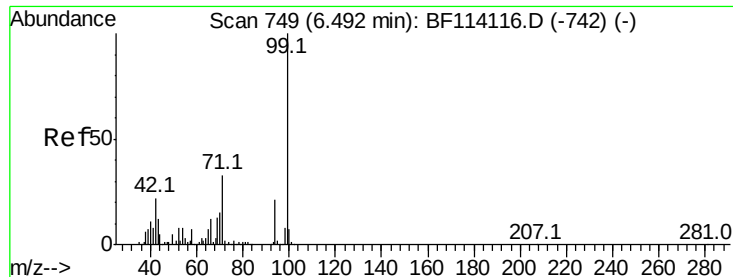
2-Fluorophenol
Concen: 15.528 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF114397.D
Acq: 18 May 2019 17:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	49.0	73.6
63	30.1	24.6	37.0



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: 17.932 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF114397.D

Acq: 18 May 2019 17:56

Instrument :

BNA_F

ClientSampleId :

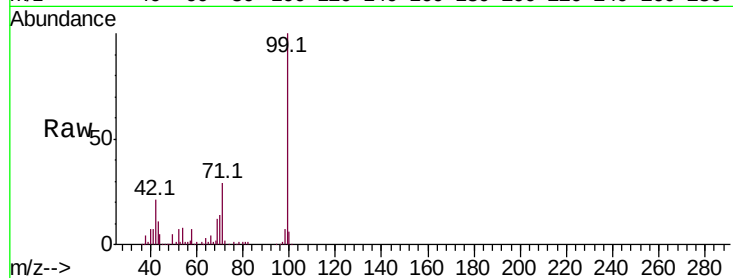
Tot Ion: 99 Resp: 297505

Ion Ratio Lower Upper

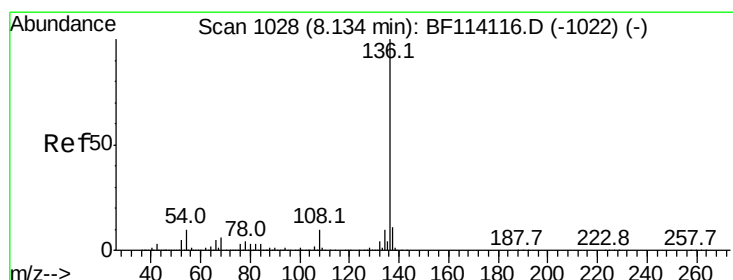
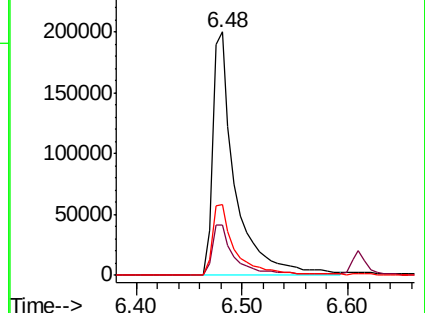
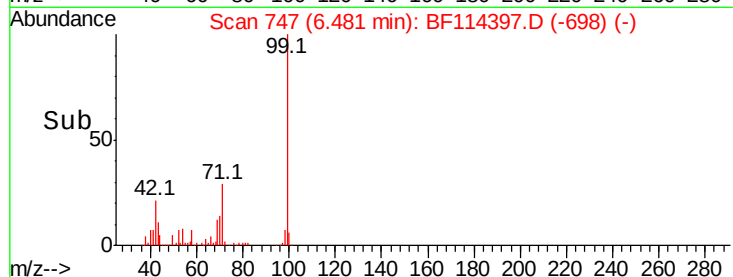
99 100

42 20.6 17.9 26.9

71 29.1 26.2 39.2



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. -0.02 min

Lab File: BF114397.D

Acq: 18 May 2019 17:56

Tgt Ion: 136 Resp: 903643

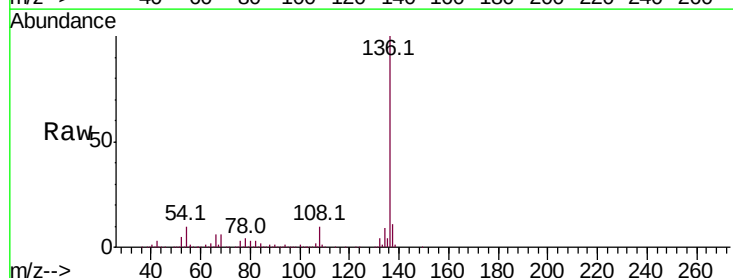
Ion Ratio Lower Upper

136 100

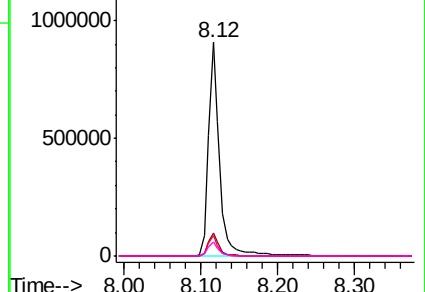
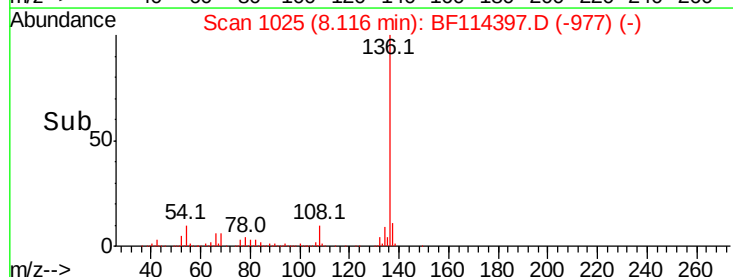
137 10.9 8.8 13.2

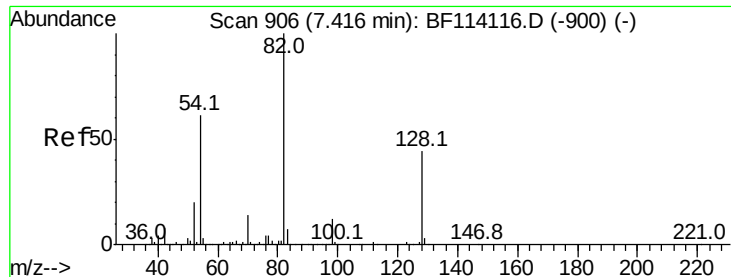
54 9.6 7.8 11.8

68 6.5 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

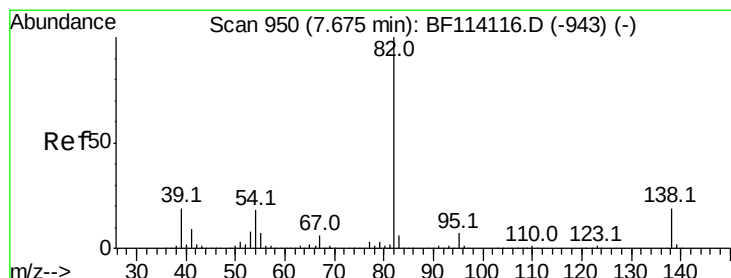
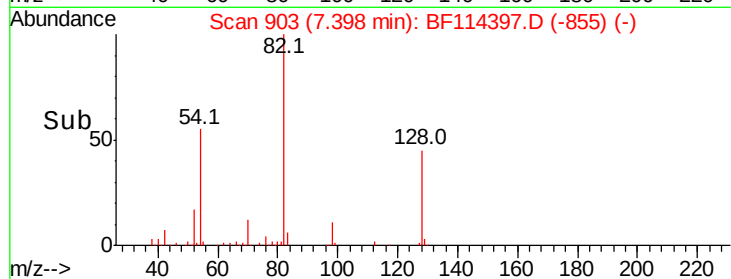
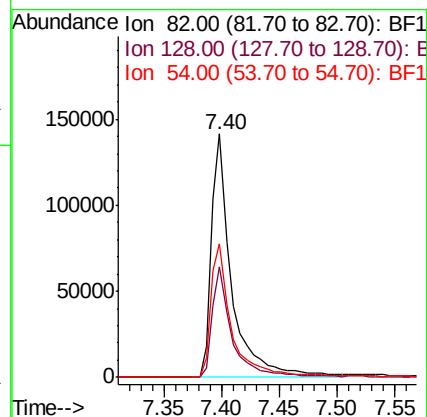
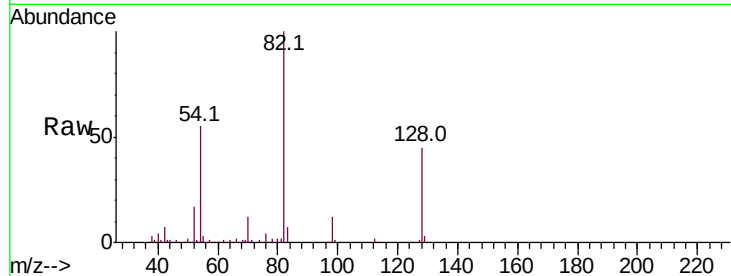




#23
 Nitrobenzene-d5
 Concen: 10.784 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF114397.D
 Acq: 18 May 2019 17:56

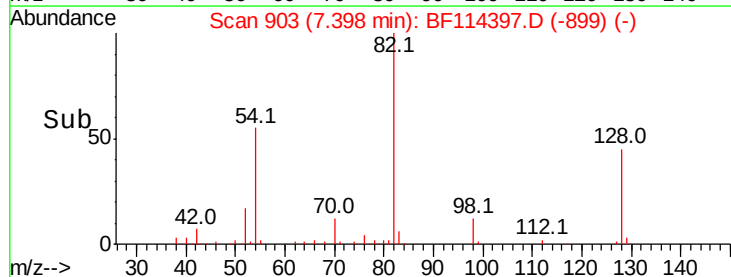
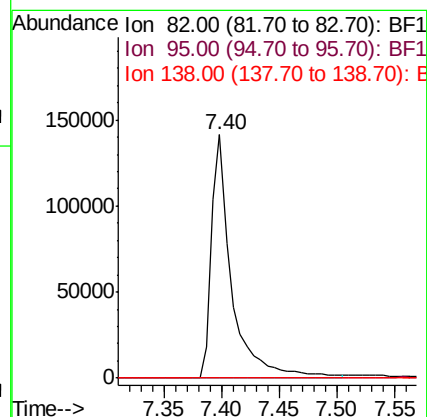
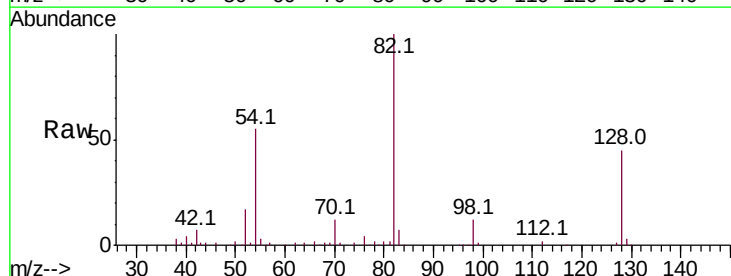
Instrument :
 BNA_F
 ClientSampleId :

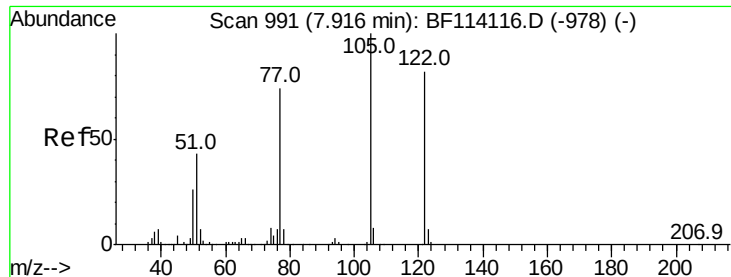
Tot Ion: 82 Resp: 173649
 Ion Ratio Lower Upper
 82 100
 128 45.4 35.5 53.3
 54 55.0 48.5 72.7



#25
 Isophorone
 Concen: 5.815 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.28 min
 Lab File: BF114397.D
 Acq: 18 May 2019 17:56

Tgt Ion: 82 Resp: 173649
 Ion Ratio Lower Upper
 82 100
 95 0.3 5.6 8.4#
 138 0.0 14.8 22.2#





#32

Benzoic acid

Concen: 7.042 ng

RT: 8.12 min Scan# 1026

Delta R.T. 0.21 min

Lab File: BF114397.D

Acq: 18 May 2019 17:56

Instrument :

BNA_F

ClientSampleId :

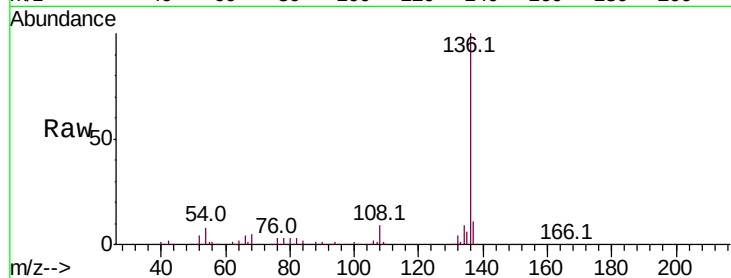
Tot Ion:122 Resp: 224

Ion Ratio Lower Upper

122 100

105 227.7 99.9 139.9#

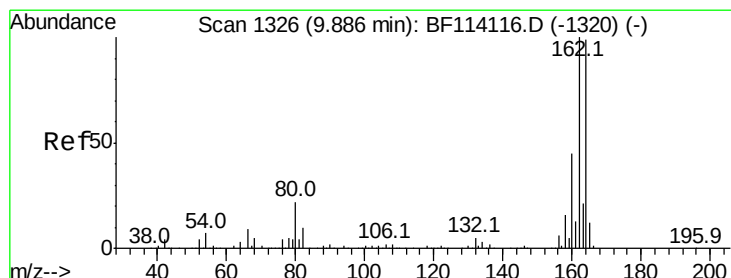
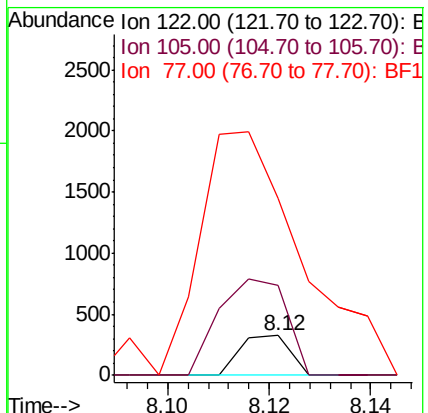
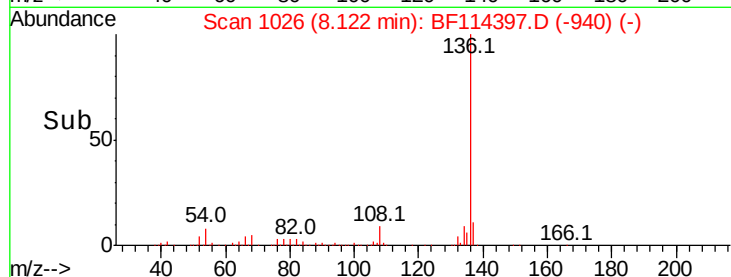
77 444.9 69.4 109.4#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF114397.D

Acq: 18 May 2019 17:56

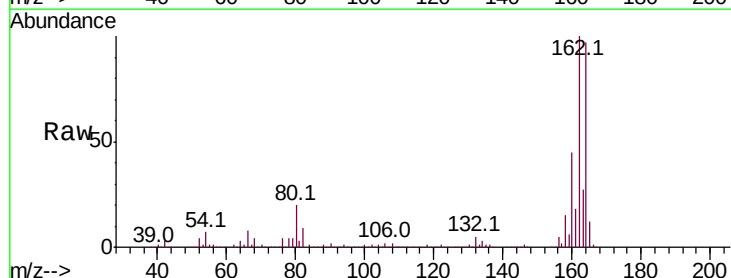
Tgt Ion:164 Resp: 426963

Ion Ratio Lower Upper

164 100

162 102.8 80.6 120.8

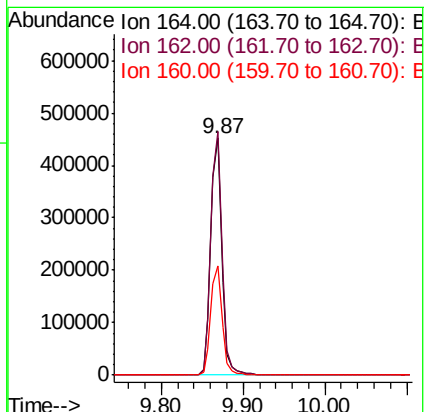
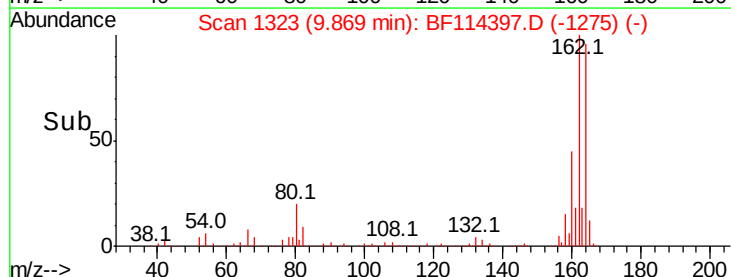
160 46.3 36.5 54.7

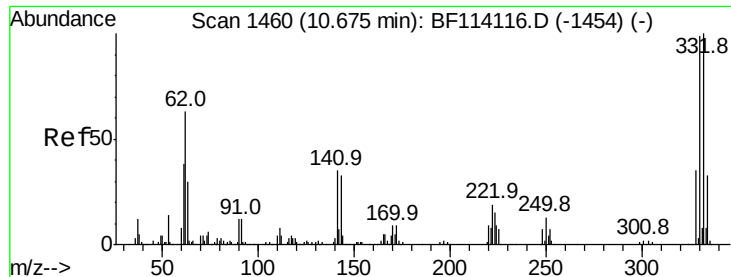


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

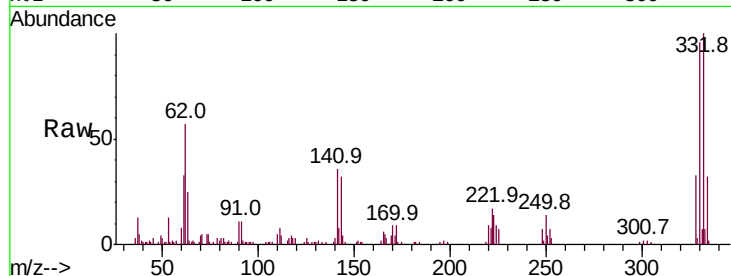




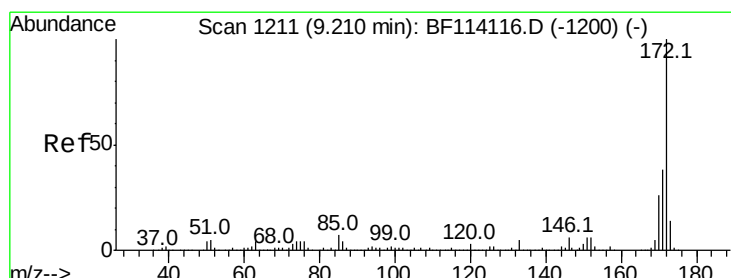
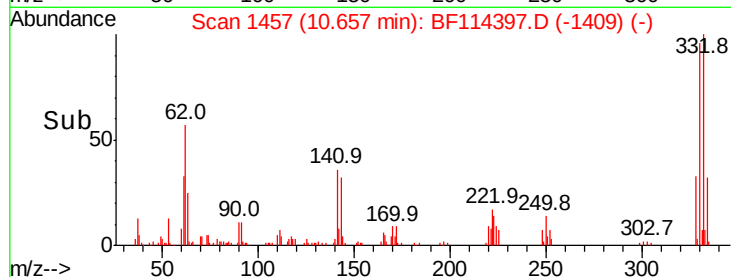
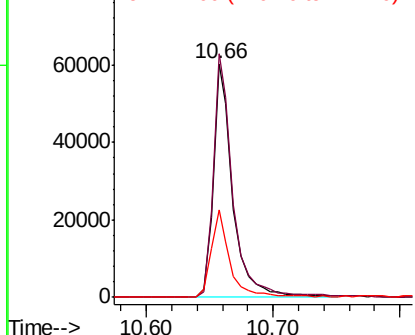
#42
2,4,6-Tribromophenol
Concen: 14.792 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF114397.D
Acq: 18 May 2019 17:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:330 Resp: 65293
Ion Ratio Lower Upper
330 100
332 104.9 81.4 122.2
141 35.1 26.6 40.0

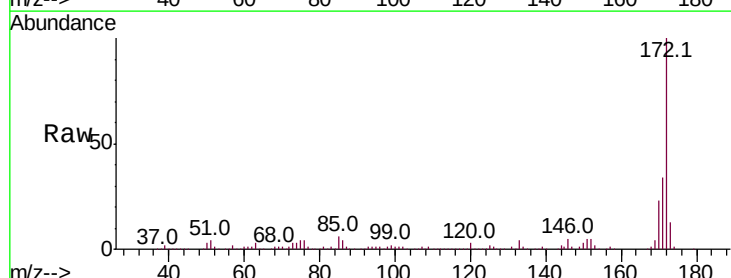


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

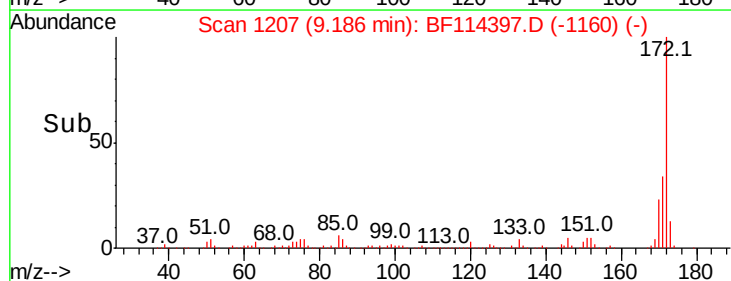
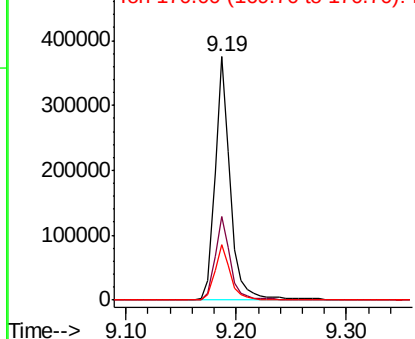


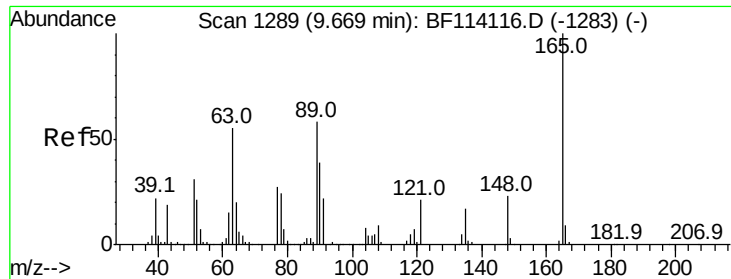
#45
2-Fluorobiphenyl
Concen: 12.604 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF114397.D
Acq: 18 May 2019 17:56

Tgt Ion:172 Resp: 355758
Ion Ratio Lower Upper
172 100
171 34.2 30.7 46.1
170 22.9 20.5 30.7



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

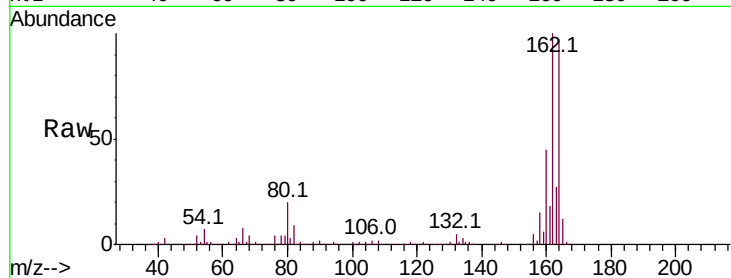




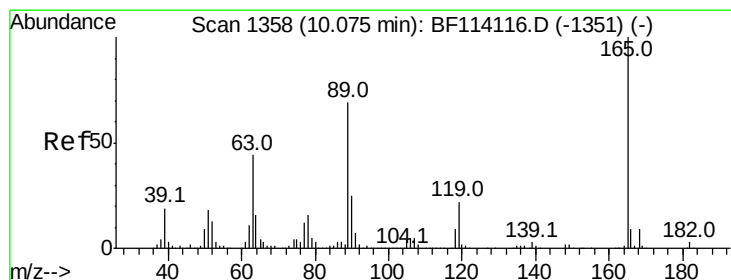
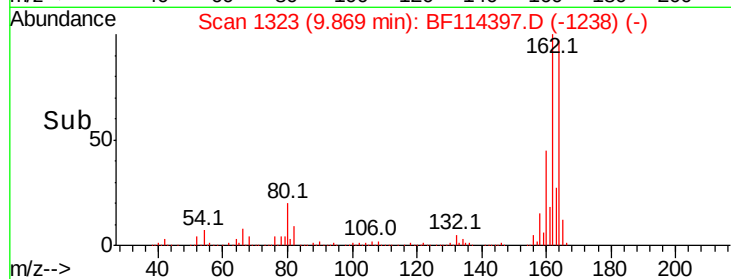
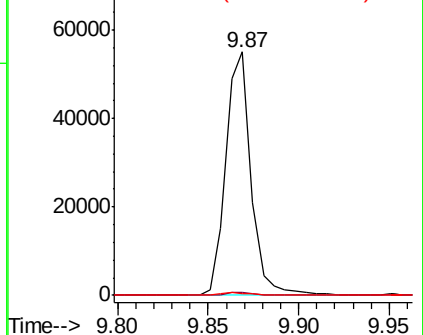
#51
 2,6-Dinitrotoluene
 Concen: 7.711 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF114397.D
 Acq: 18 May 2019 17:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	50.2	75.4#
89	0.9	46.6	69.8#



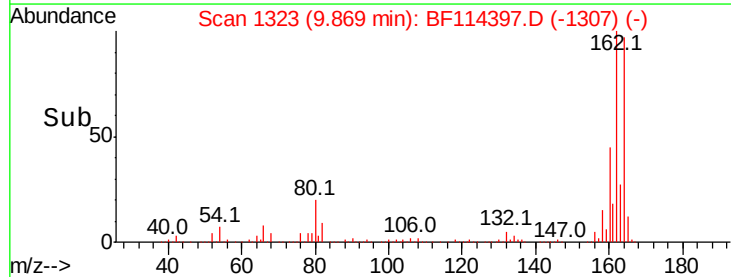
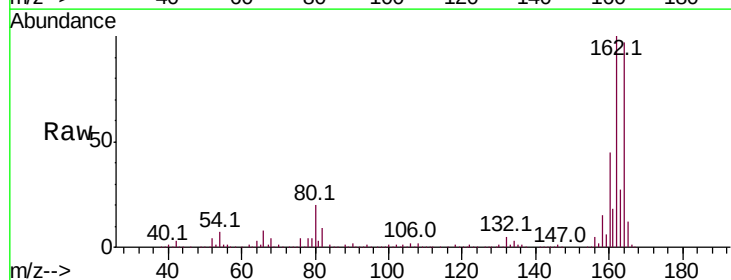
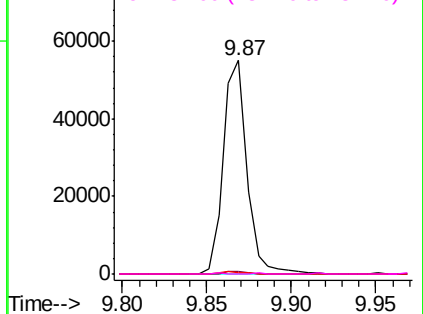
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

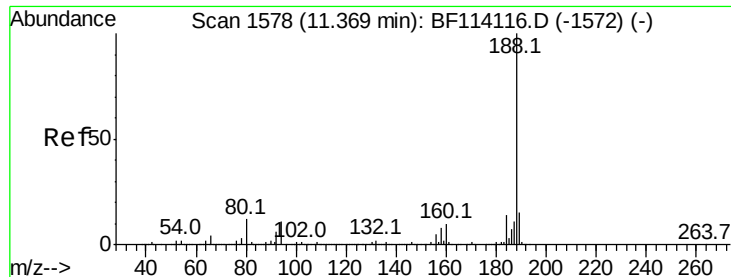


#57
 2,4-Dinitrotoluene
 Concen: 5.681 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF114397.D
 Acq: 18 May 2019 17:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	35.5	53.3#
89	0.9	55.2	82.8#
182	0.0	2.2	3.2#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF114397.D

Acq: 18 May 2019 17:56

Instrument :

BNA_F

ClientSampled :

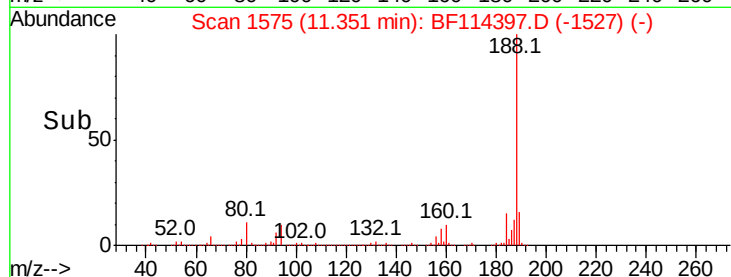
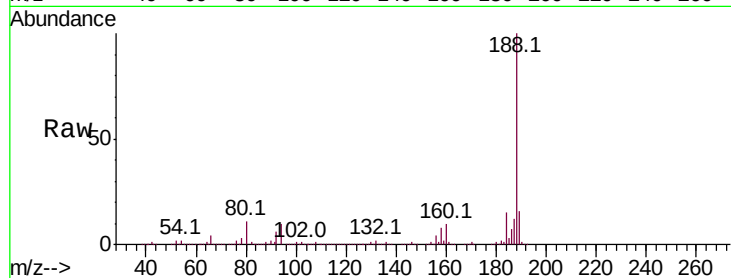
Tot Ion:188 Resp: 825060

Ion Ratio Lower Upper

188 100

94 10.0 8.4 12.6

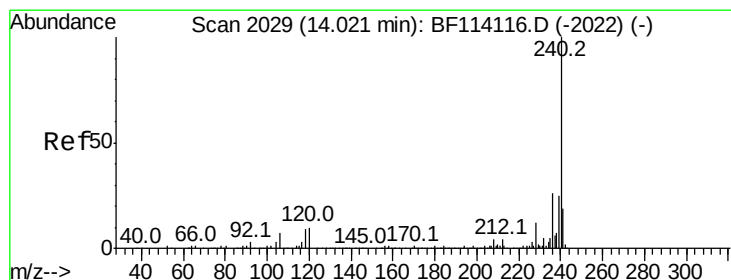
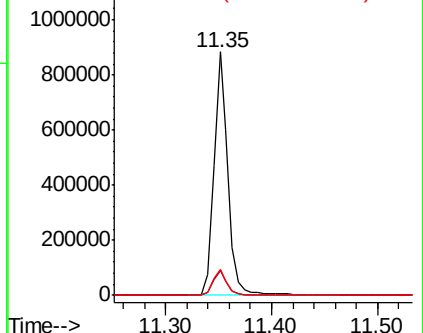
80 10.7 9.2 13.8



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.03 min

Lab File: BF114397.D

Acq: 18 May 2019 17:56

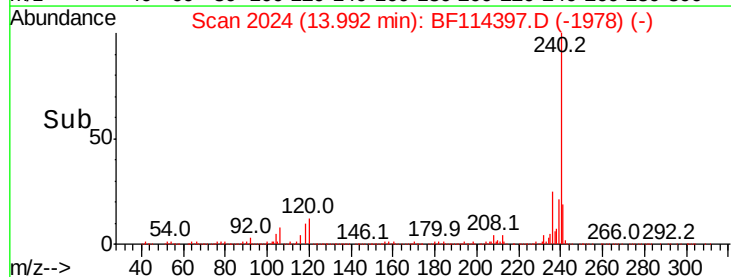
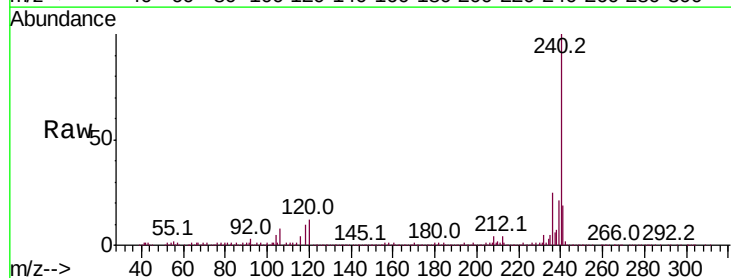
Tgt Ion:240 Resp: 501991

Ion Ratio Lower Upper

240 100

120 11.9 8.3 12.5

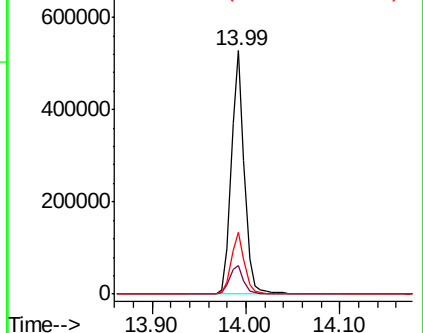
236 25.3 20.8 31.2

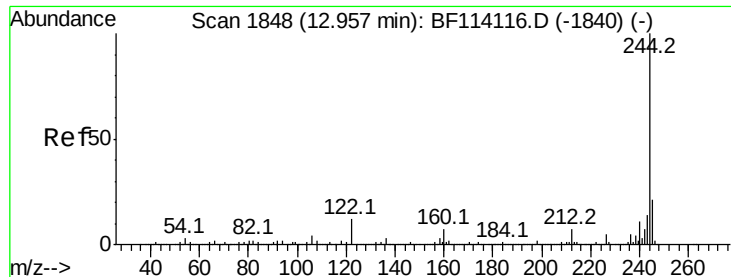


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 13.781 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.03 min

Lab File: BF114397.D

Acq: 18 May 2019 17:56

Instrument :

BNA_F

ClientSampled :

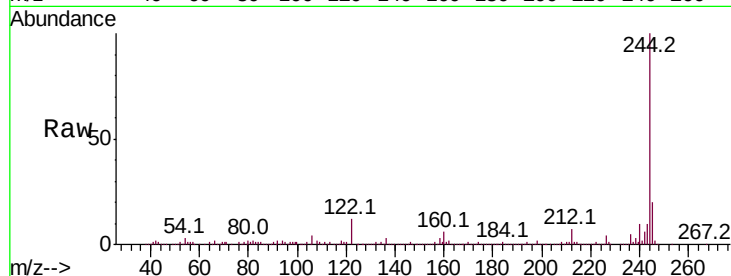
Tot Ion:244 Resp: 335592

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

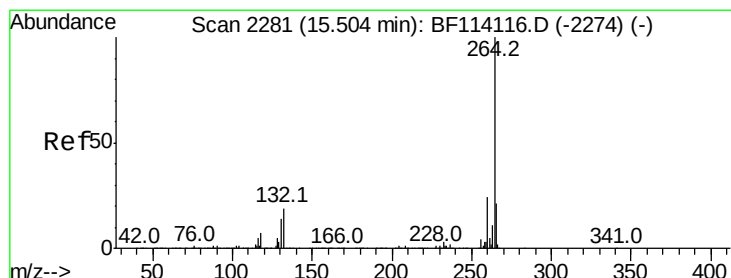
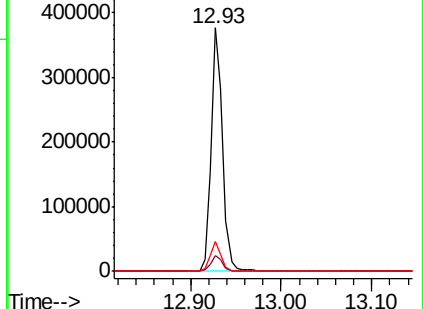
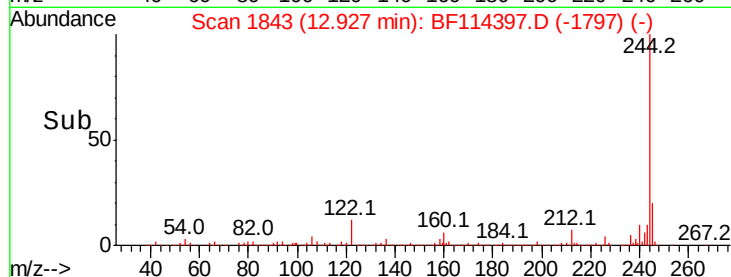
122 12.4 9.4 14.2



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: 15.46 min Scan# 2273

Delta R.T. -0.05 min

Lab File: BF114397.D

Acq: 18 May 2019 17:56

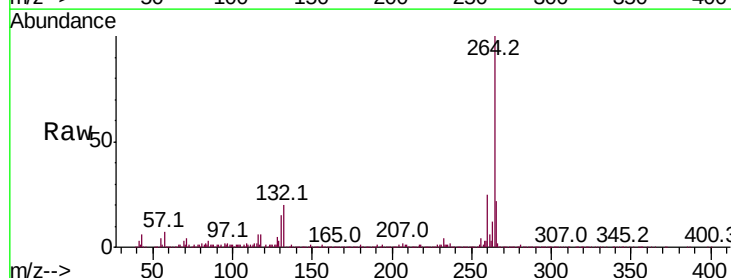
Tgt Ion:264 Resp: 538830

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.0

265 22.3 16.9 25.3



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

