

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101619\
 Data File : BF117419.D
 Acq On : 16 Oct 2019 17:46
 Operator : JU
 Sample : K5355-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-33

Quant Time: Oct 17 01:01:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 14 19:03:29 2019
 Response via : Initial Calibration

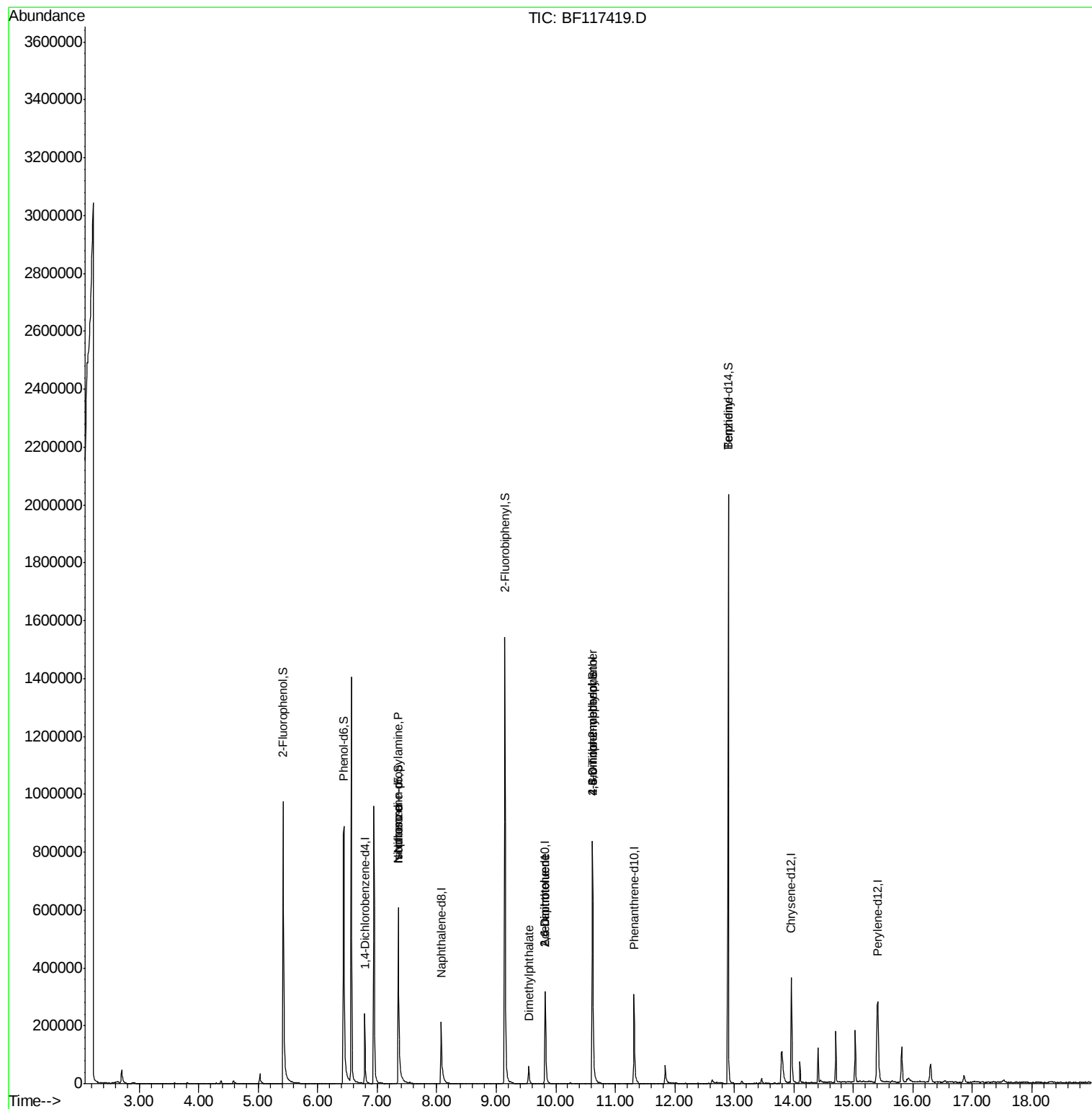
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	42778	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	172997	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	92829	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	162933	20.00	ng	0.00
76) Chrysene-d12	13.96	240	146360	20.00	ng	0.00
87) Perylene-d12	15.41	264	148020	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	350807	126.18	ng	0.00
7) Phenol-d6	6.44	99	447332	121.27	ng	0.00
23) Nitrobenzene-d5	7.36	82	294002	86.15	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	114172	151.12	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	534938	84.01	ng	0.00
79) Terphenyl-d14	12.90	244	666960	74.29	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	301	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	38097	16.197 ng	#	1
25) Isophorone	7.36	82	294000	48.359 ng	#	75
50) Dimethylphthalate	9.55	163	38344	5.751 ng	#	67
51) 2,6-Dinitrotoluene	9.82	165	11963	8.537 ng	#	97
57) 2,4-Dinitrotoluene	9.82	165	11963	6.470 ng	#	21
65) 4,6-Dinitro-2-methylphenol	10.62	198	119	5.314 ng	#	12
67) 4-Bromophenyl-phenylether	10.62	248	7114	3.981 ng	#	1
77) Benzidine	12.90	184	9007	2.488 ng	#	94

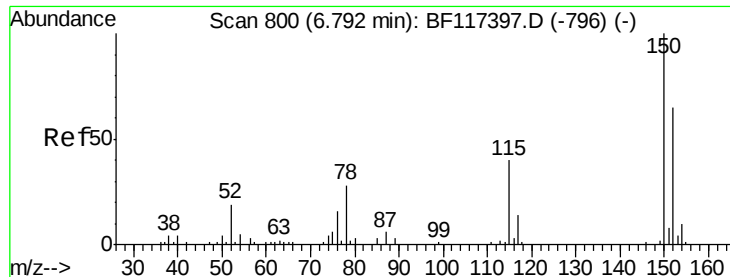
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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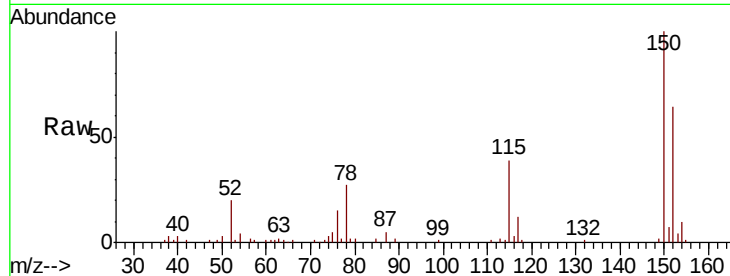


#1

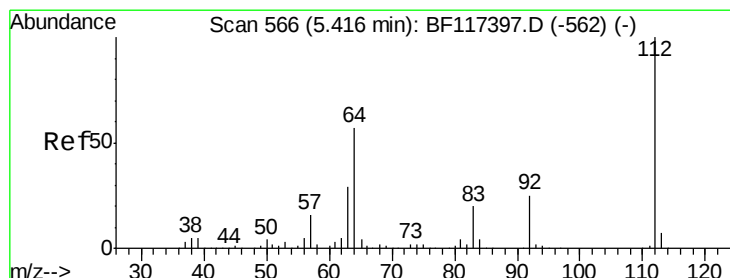
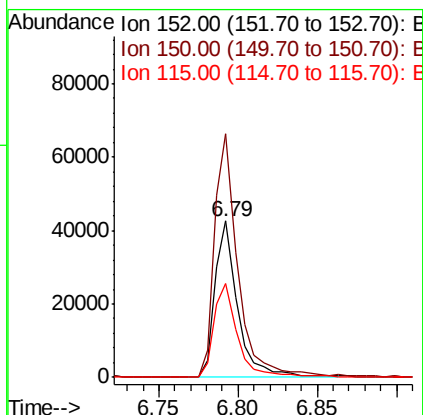
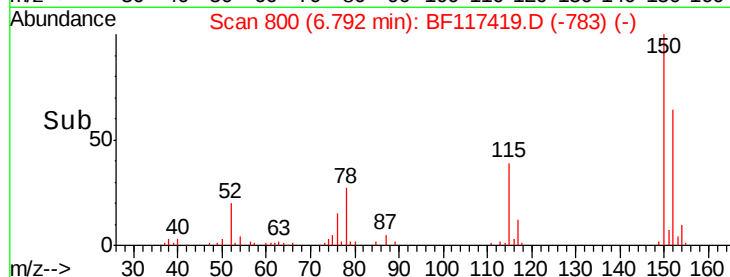
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF117419.D
Acq: 16 Oct 2019 17:46

Instrument :
BNA_F
ClientSampleId :
COMP-33

Tot Ion:152 Resp: 42778
Ion Ratio Lower Upper
152 100
150 155.6 122.7 184.1
115 60.2 48.6 73.0



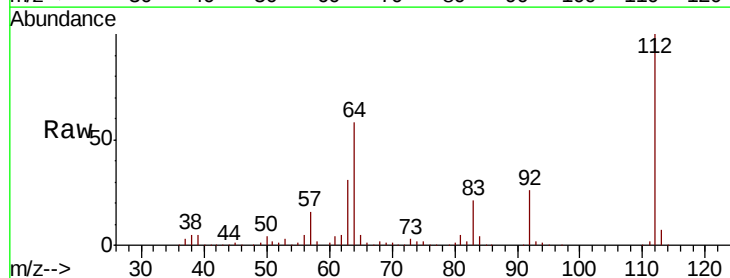
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



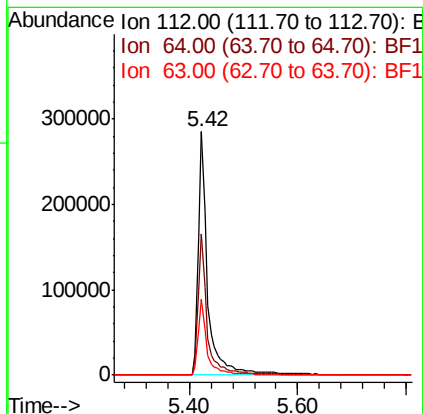
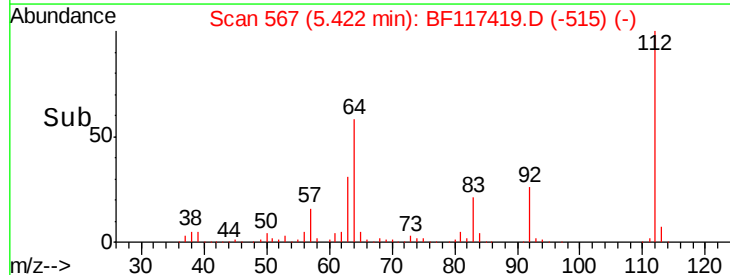
#5

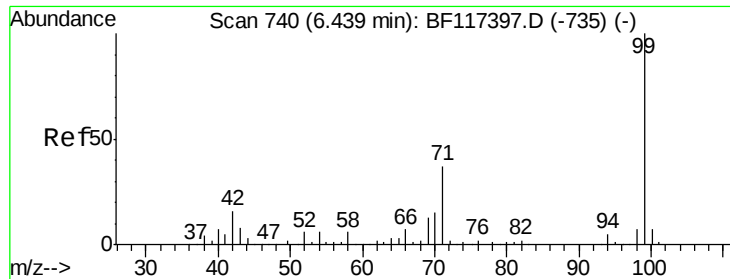
2-Fluorophenol
Concen: 126.177 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF117419.D
Acq: 16 Oct 2019 17:46

Tgt Ion:112 Resp: 350807
Ion Ratio Lower Upper
112 100
64 58.3 45.2 67.8
63 30.9 23.4 35.2



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: 121.265 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF117419.D

Acq: 16 Oct 2019 17:46

Instrument :

BNA_F

ClientSampled :

COMP-33

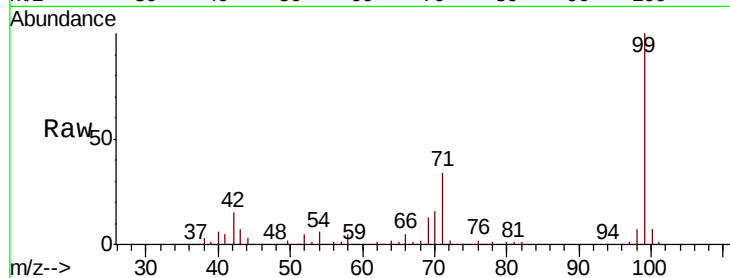
Tot Ion: 99 Resp: 447332

Ion Ratio Lower Upper

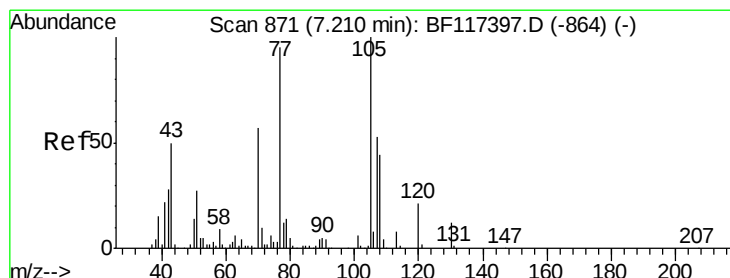
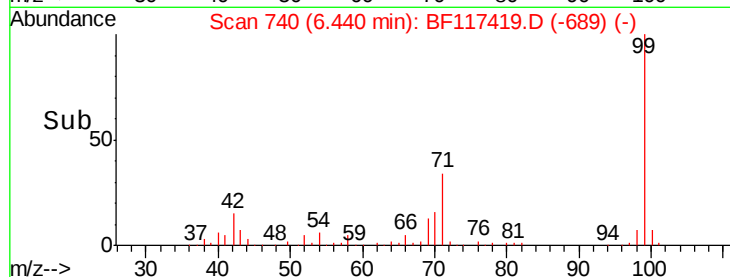
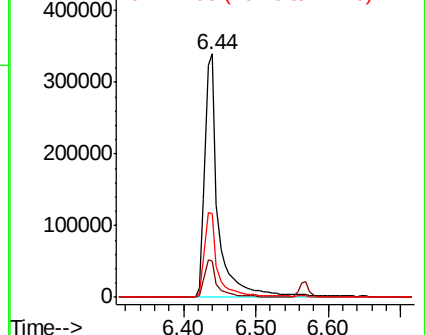
99 100

42 14.6 12.5 18.7

71 34.3 29.2 43.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.197 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF117419.D

Acq: 16 Oct 2019 17:46

Tgt Ion: 70 Resp: 38097

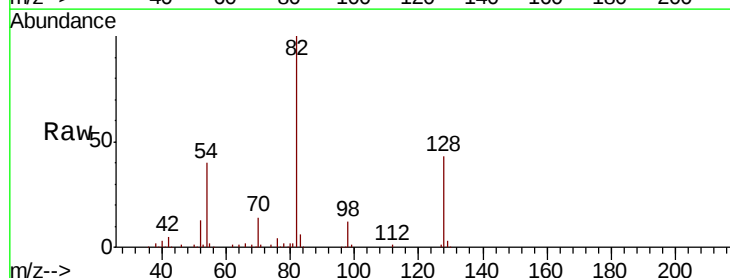
Ion Ratio Lower Upper

70 100

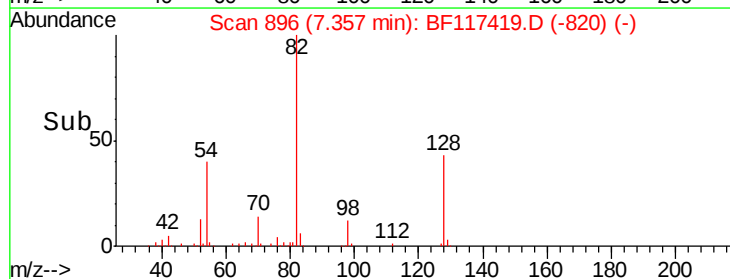
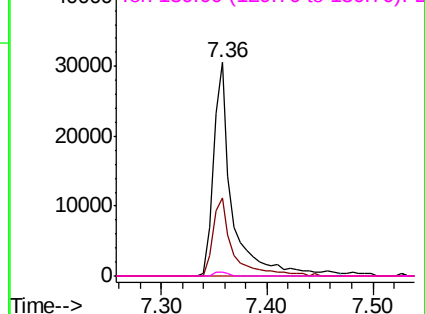
42 36.6 39.8 59.8#

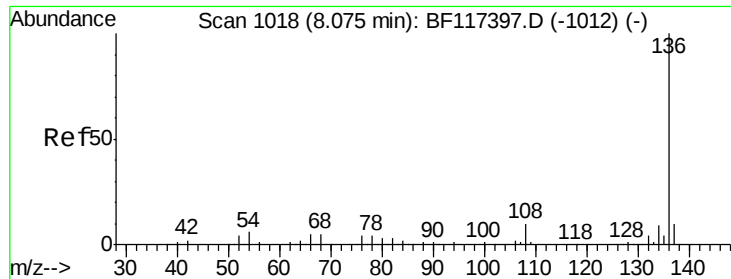
101 0.0 8.1 12.1#

130 2.0 16.4 24.6#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

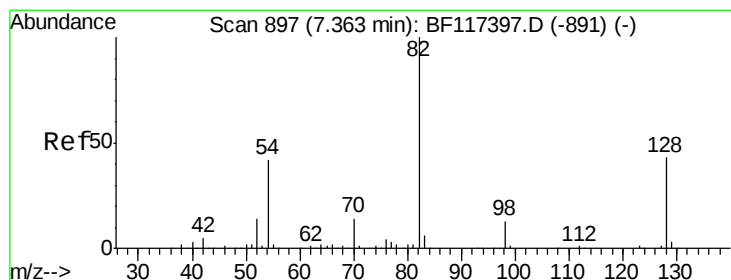
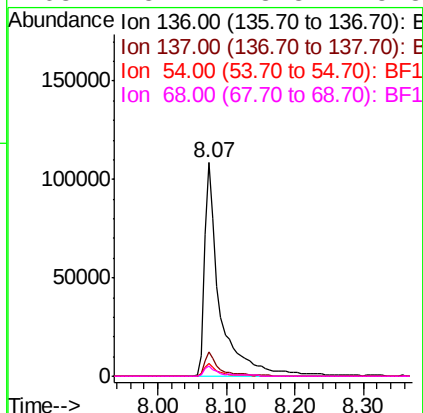
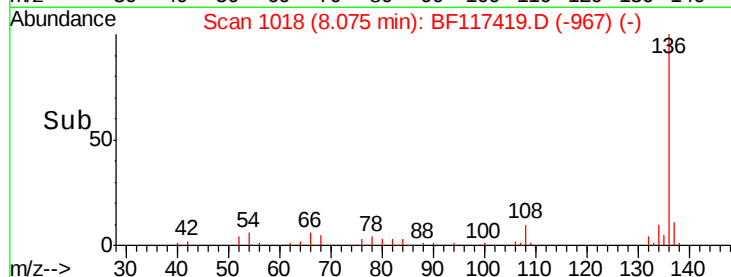
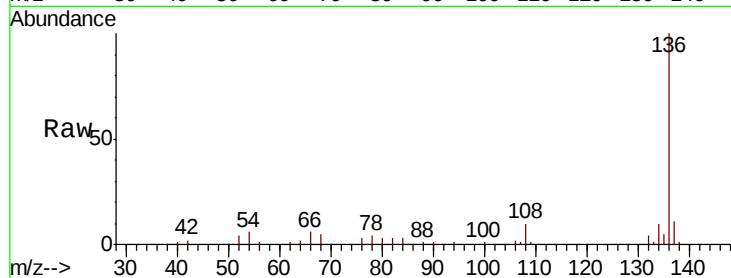




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF117419.D
Acq: 16 Oct 2019 17:46

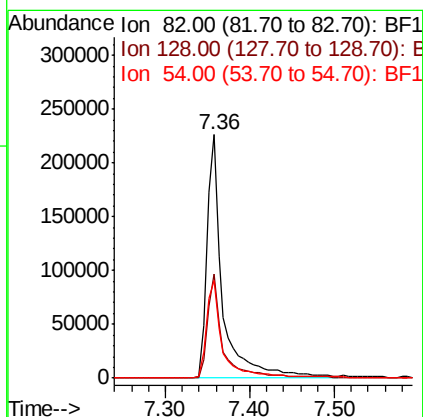
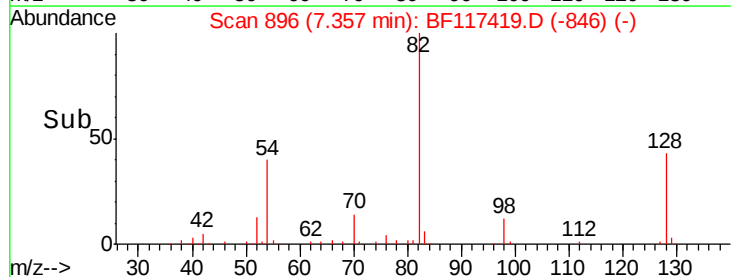
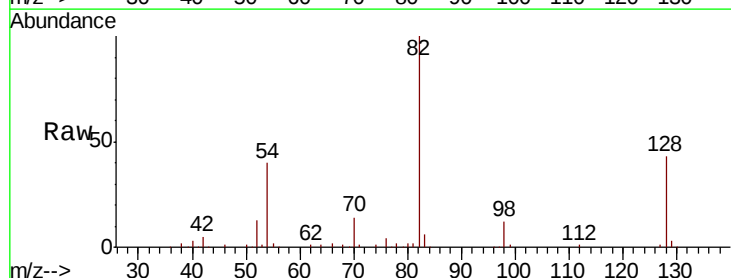
Instrument :
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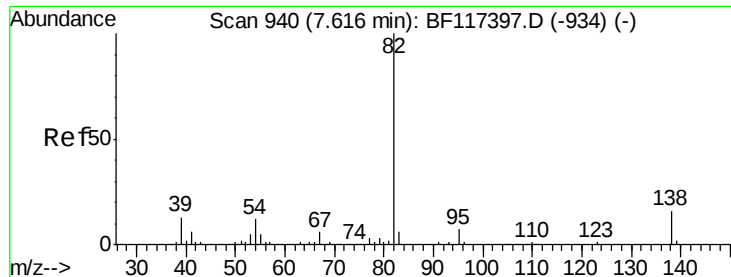
Tot Ion:136	Resp:	172997
Ion Ratio	Lower	Upper
136 100		
137 11.3	8.4	12.6
54 6.0	4.6	6.8
68 5.1	3.8	5.8



#23
Nitrobenzene-d5
Concen: 86.147 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117419.D
Acq: 16 Oct 2019 17:46

Tgt Ion: 82	Resp: 294002
Ion Ratio	Lower Upper
82 100	
128 42.8	34.1 51.1
54 40.1	33.3 49.9





#25

Isophorone

Concen: 48.359 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF117419.D

Acq: 16 Oct 2019 17:46

Instrument :

BNA_F

ClientSampleId :

COMP-33

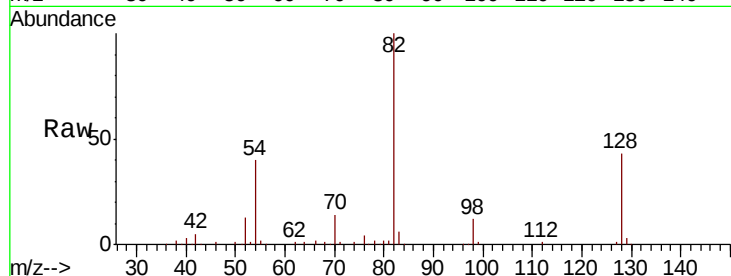
Tot Ion: 82 Resp: 294000

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

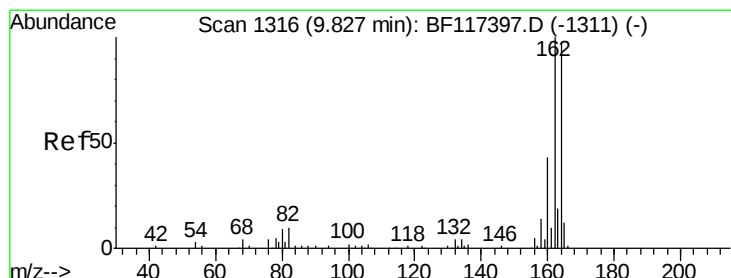
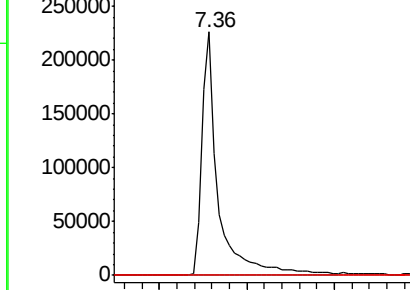
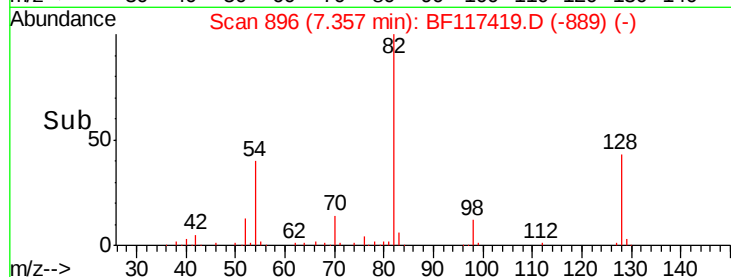
138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF117419.D

Acq: 16 Oct 2019 17:46

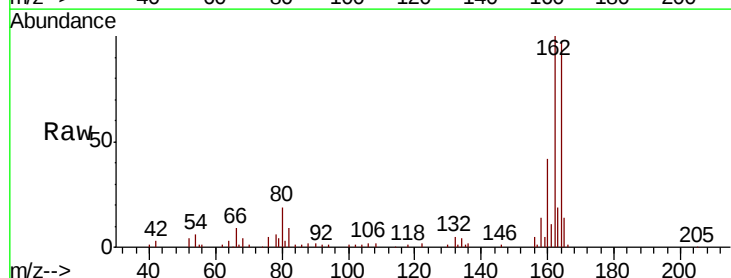
Tgt Ion: 164 Resp: 92829

Ion Ratio Lower Upper

164 100

162 102.9 82.4 123.6

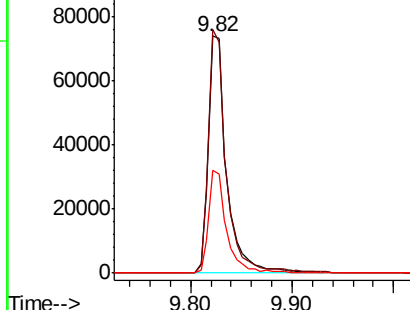
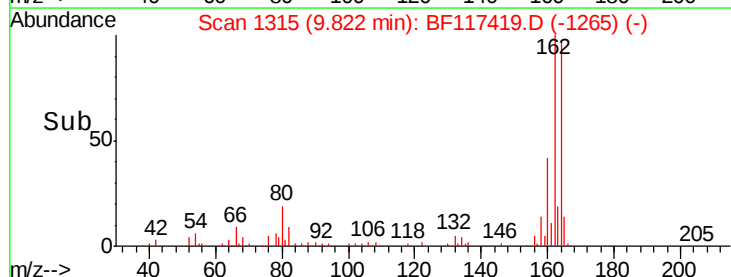
160 43.5 35.4 53.0

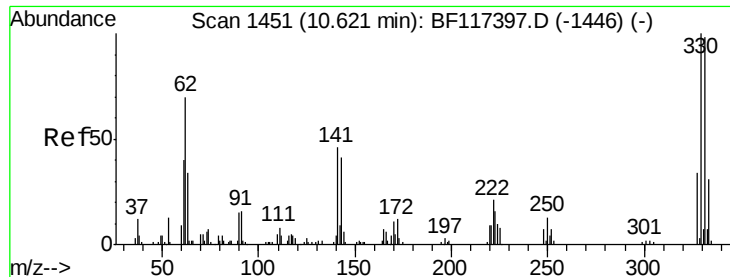


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

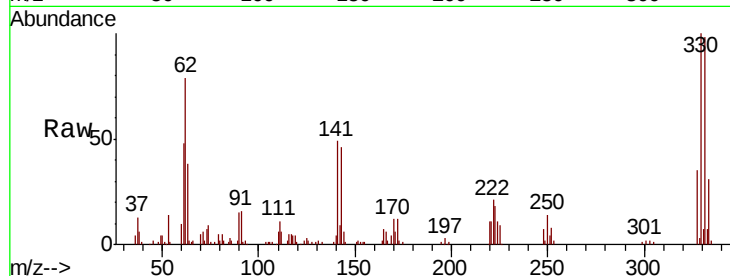




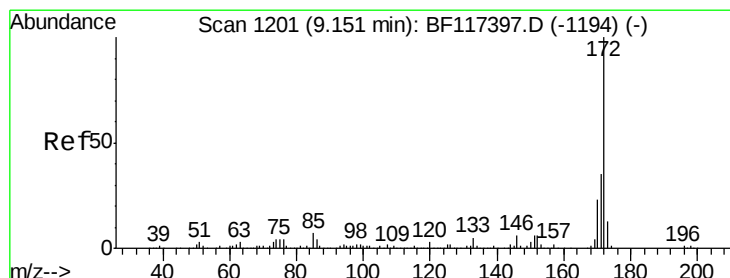
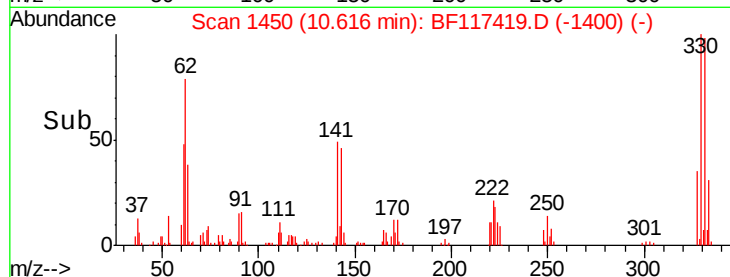
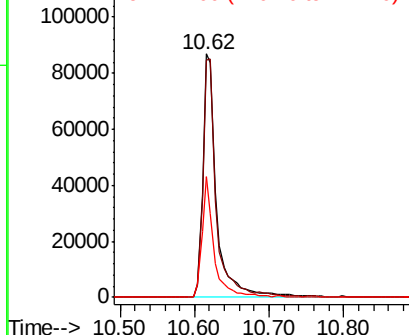
#42
2,4,6-Tribromophenol
Concen: 151.120 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF117419.D
Acq: 16 Oct 2019 17:46

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:330 Resp: 114172
Ion Ratio Lower Upper
330 100
332 95.3 75.0 112.6
141 42.9 34.2 51.4

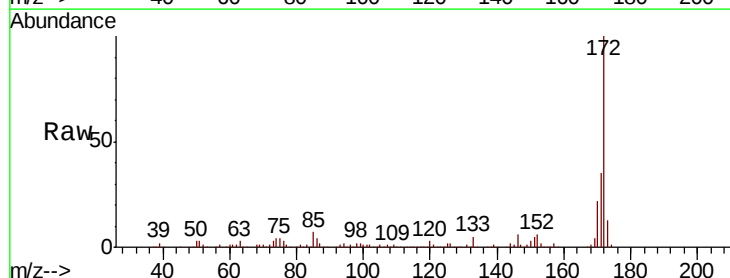


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

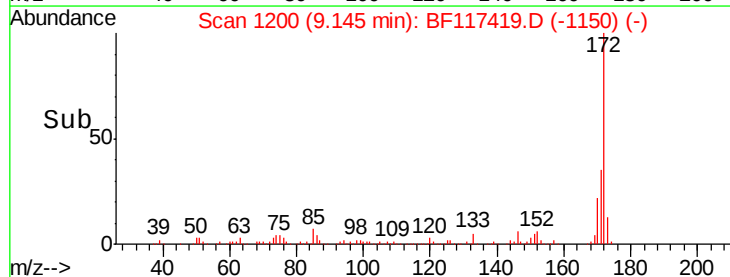
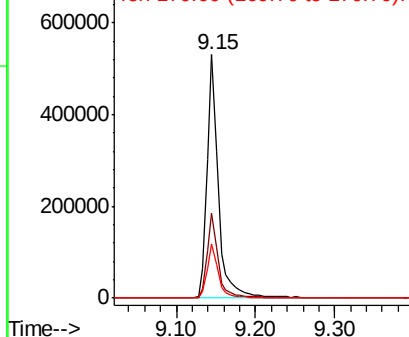


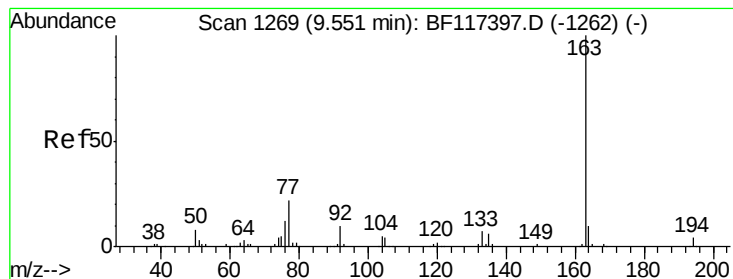
#45
2-Fluorobiphenyl
Concen: 84.012 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF117419.D
Acq: 16 Oct 2019 17:46

Tgt Ion:172 Resp: 534938
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 22.4 18.2 27.2



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: 5.751 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF117419.D

Acq: 16 Oct 2019 17:46

Instrument :

BNA_F

ClientSampleId :

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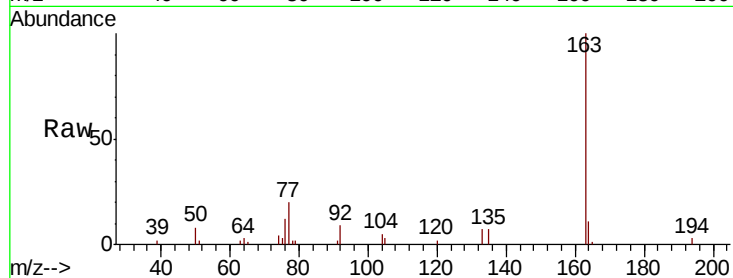
Tot Ion:163 Resp: 38344

Ion Ratio Lower Upper

163 100

194 3.2 3.1 4.7

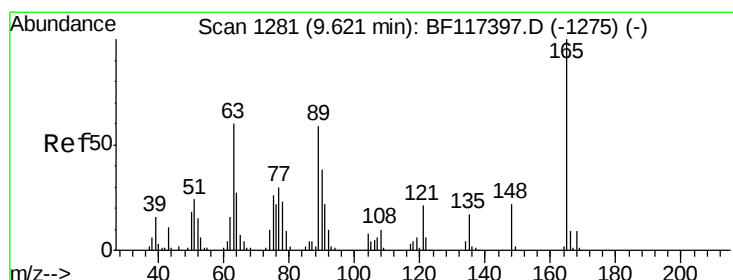
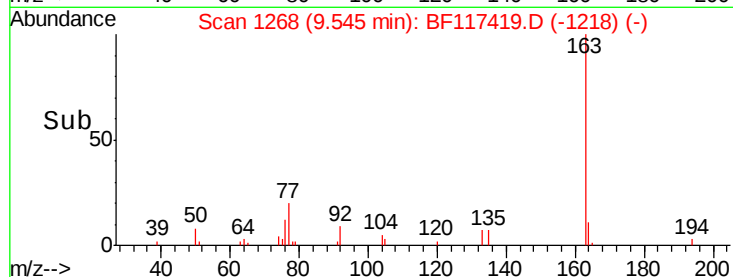
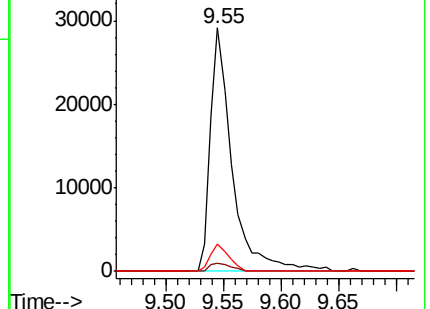
164 11.1 8.0 12.0



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



#51

2,6-Dinitrotoluene

Concen: 8.537 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.20 min

Lab File: BF117419.D

Acq: 16 Oct 2019 17:46

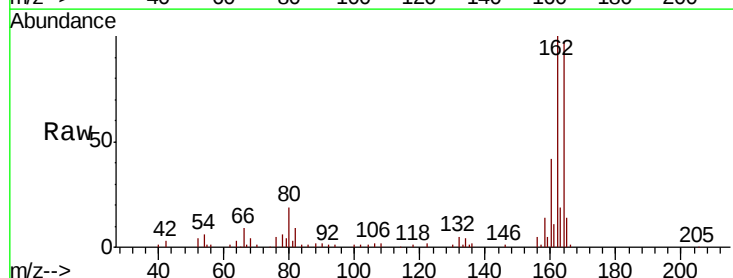
Tgt Ion:165 Resp: 11963

Ion Ratio Lower Upper

165 100

63 0.0 47.8 71.6#

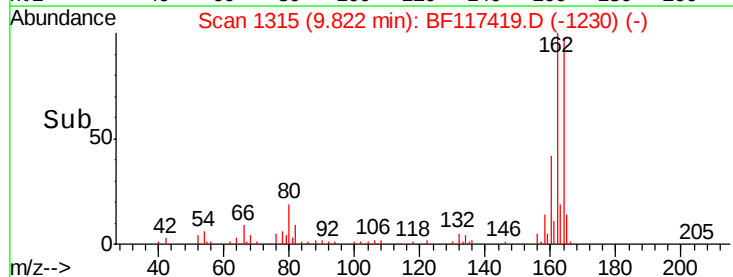
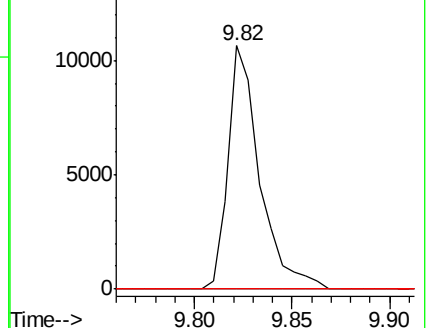
89 0.0 47.4 71.0#

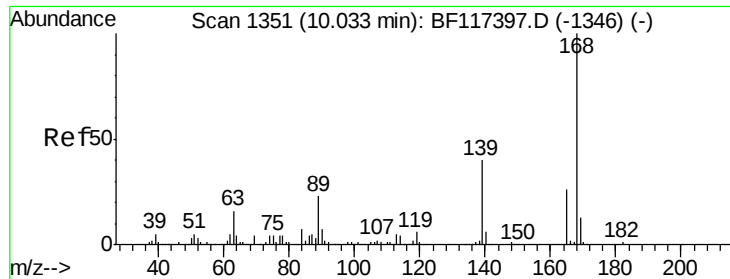


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

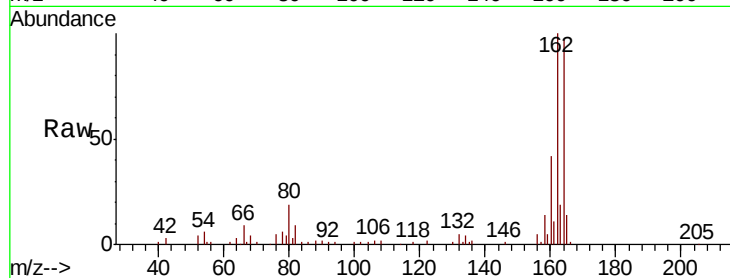




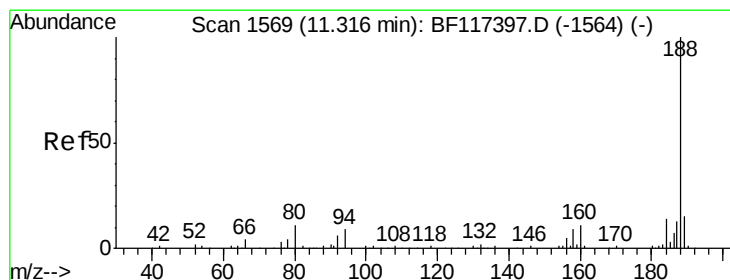
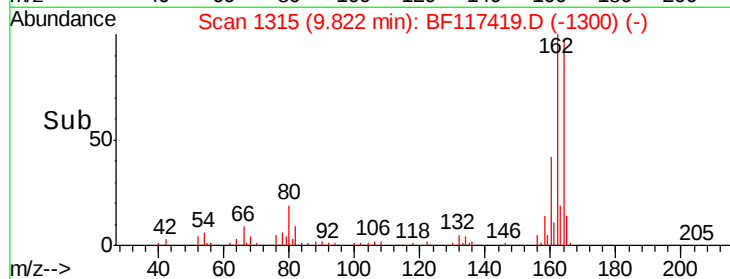
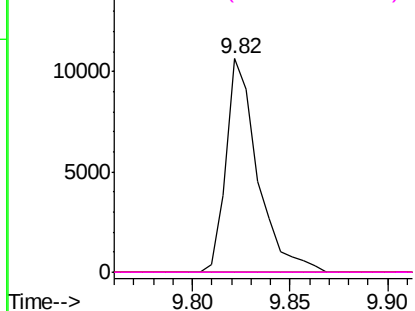
#57
 2,4-Dinitrotoluene
 Concen: 6.470 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.21 min
 Lab File: BF117419.D
 Acq: 16 Oct 2019 17:46

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion:165 Resp: 11963
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.0 76.4#
 89 0.0 70.7 106.1#
 182 0.0 2.1 3.1#

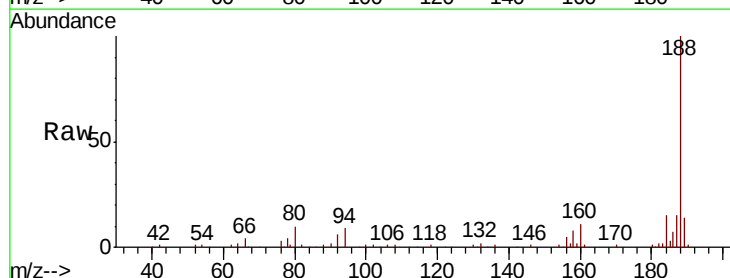


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

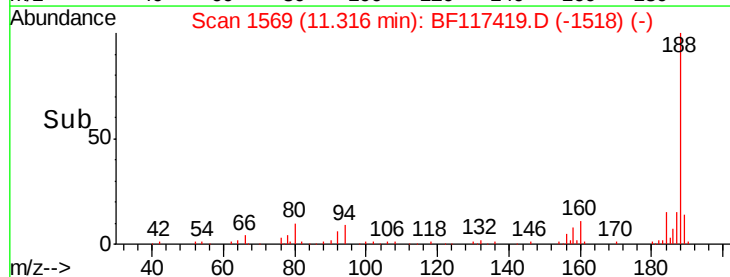
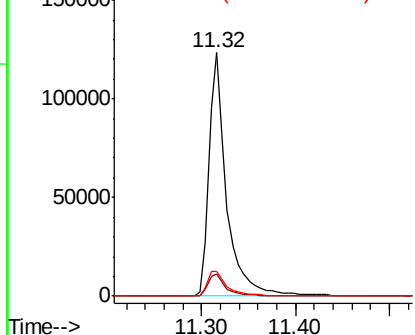


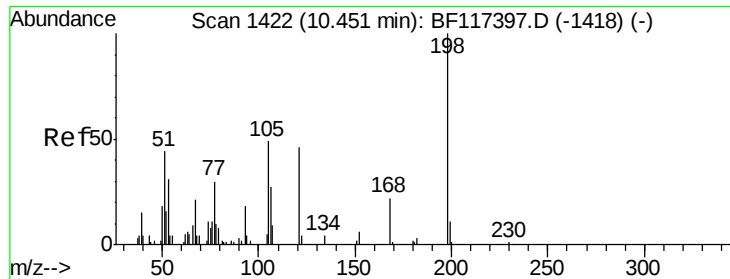
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF117419.D
 Acq: 16 Oct 2019 17:46

Tgt Ion:188 Resp: 162933
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.5 11.3
 80 10.2 8.7 13.1



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

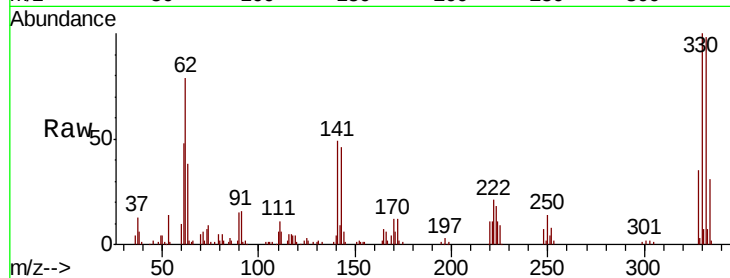




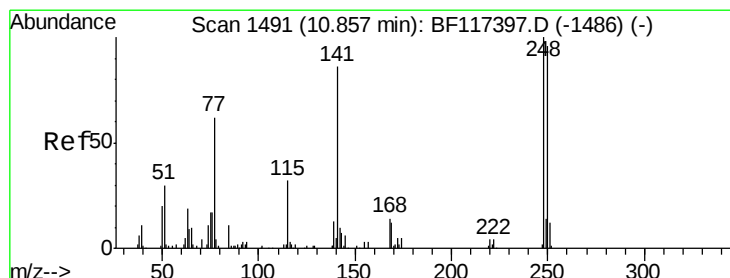
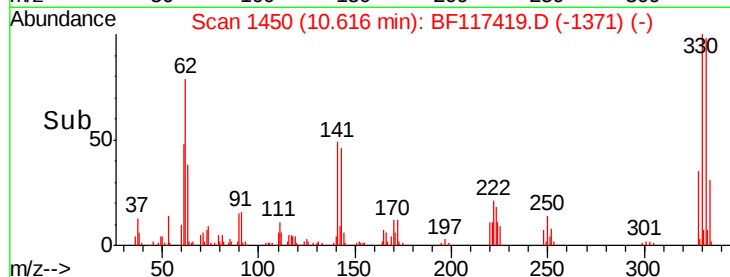
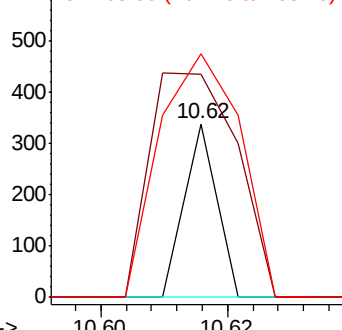
#65
4,6-Dinitro-2-methylphenol
Concen: 5.314 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.17 min
Lab File: BF117419.D
Acq: 16 Oct 2019 17:46

Instrument :
BNA_F
ClientSampleId :
COMP-33

Tot Ion:198 Resp: 119
Ion Ratio Lower Upper
198 100
51 128.7 25.9 65.9#
105 140.5 29.4 69.4#

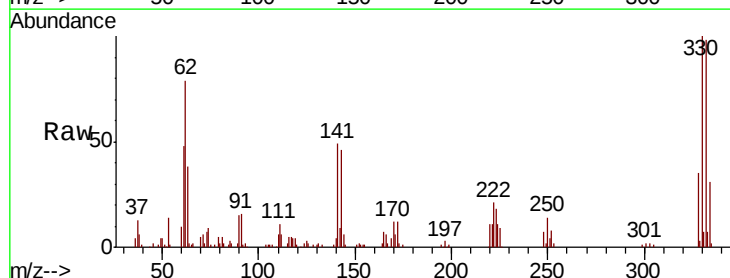


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

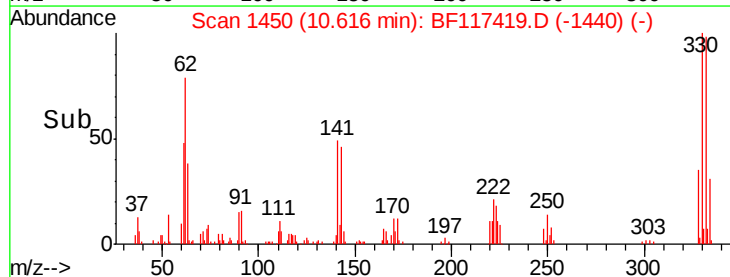
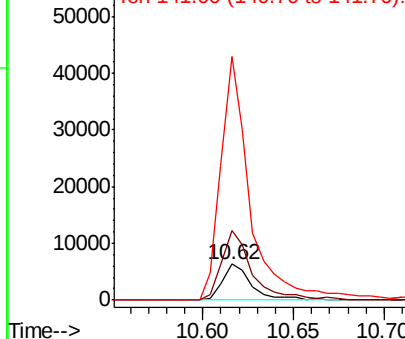


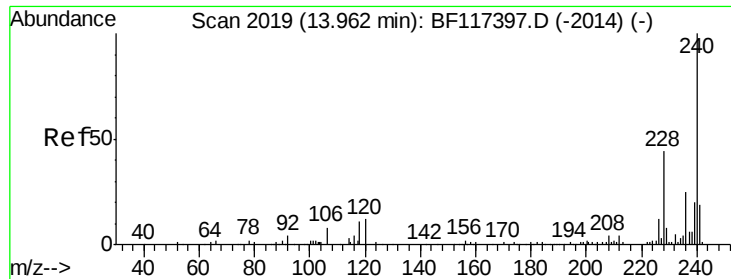
#67
4-Bromophenyl-phenylether
Concen: 3.981 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.24 min
Lab File: BF117419.D
Acq: 16 Oct 2019 17:46

Tgt Ion:248 Resp: 7114
Ion Ratio Lower Upper
248 100
250 193.7 77.1 115.7#
141 678.0 69.1 103.7#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

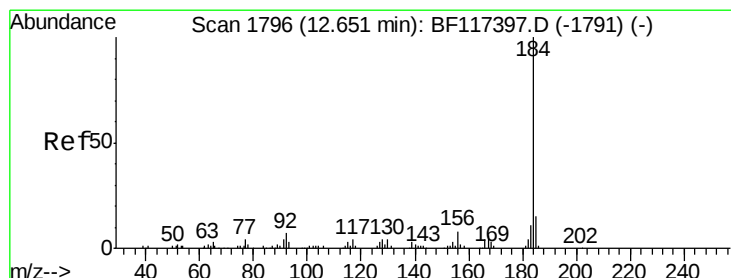
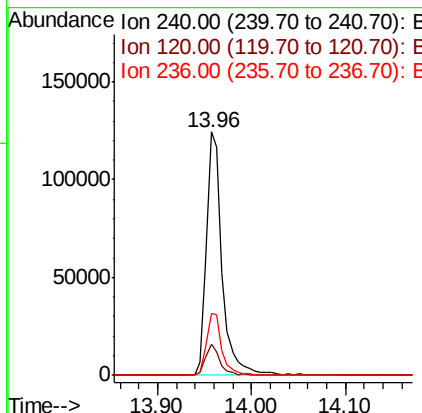
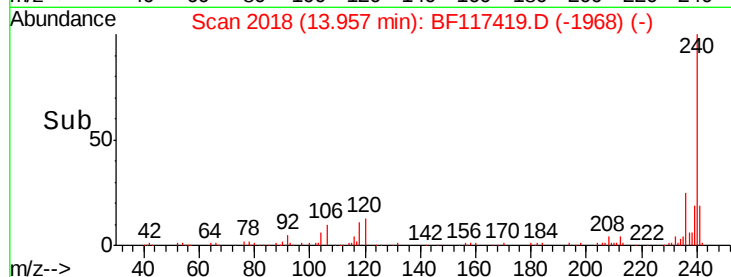
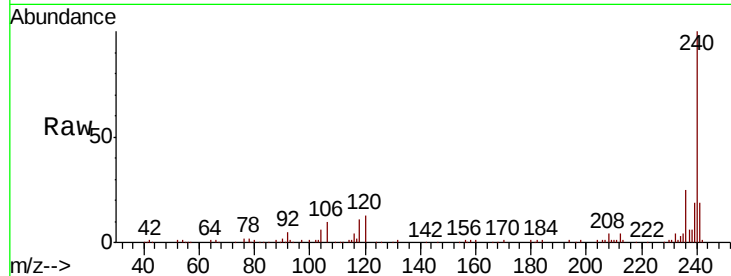




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117419.D
Acq: 16 Oct 2019 17:46

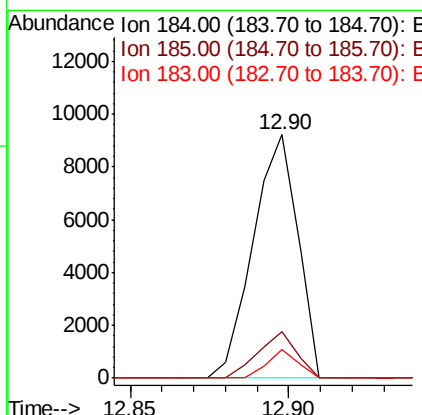
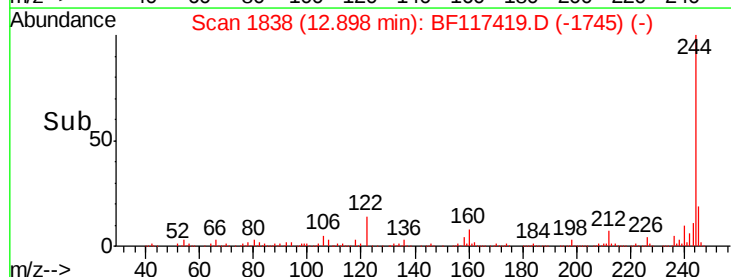
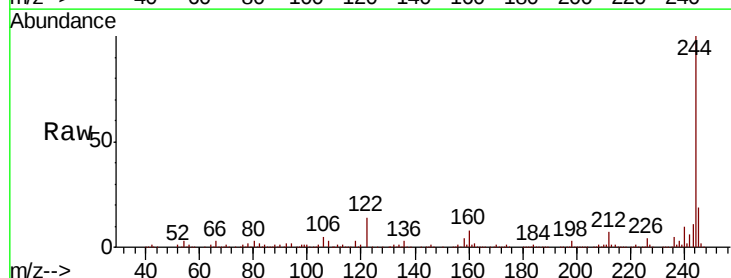
Instrument :
BNA_F
ClientSampleId :
COMP-33

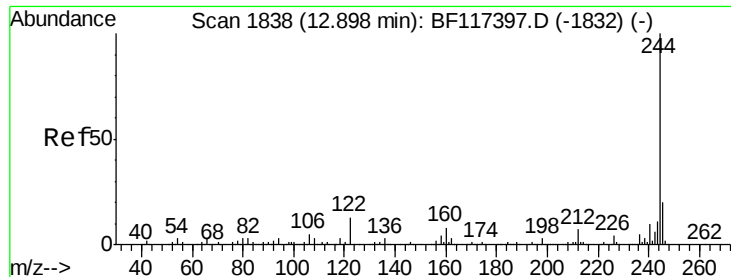
Tot Ion:240 Resp: 146360
Ion Ratio Lower Upper
240 100
120 12.8 9.4 14.0
236 25.4 19.8 29.6



#77
Benzidine
Concen: 2.488 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.25 min
Lab File: BF117419.D
Acq: 16 Oct 2019 17:46

Tgt Ion:184 Resp: 9007
Ion Ratio Lower Upper
184 100
185 19.1 12.2 18.2#
183 11.9 8.9 13.3

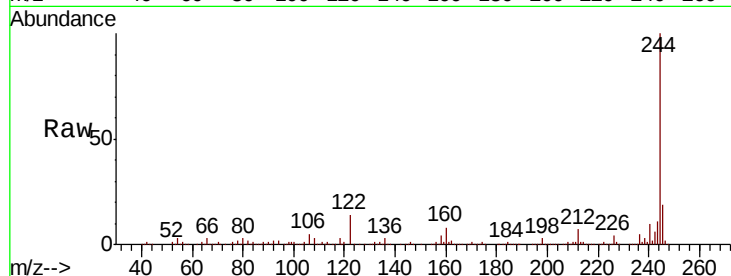




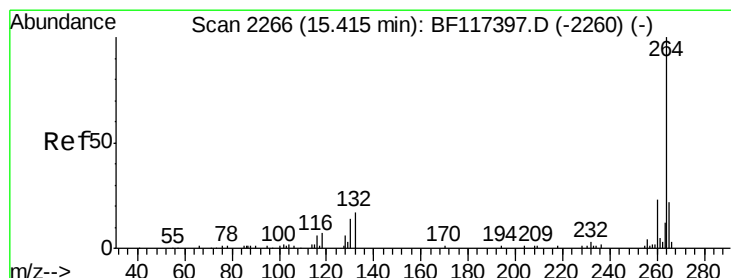
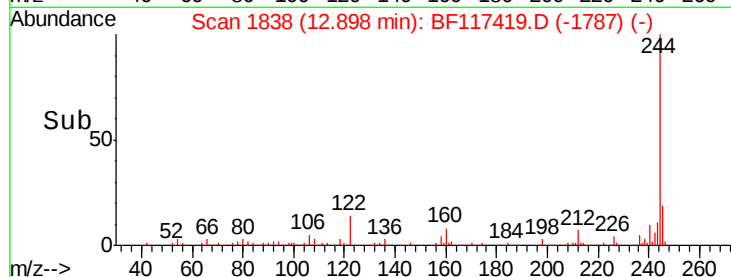
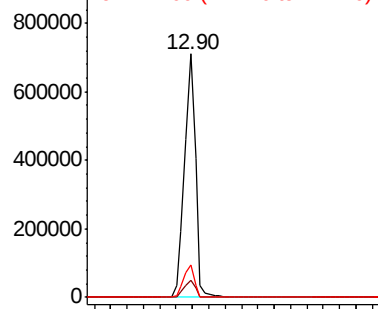
#79
 Terphenyl-d14
 Concen: 74.286 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF117419.D
 Acq: 16 Oct 2019 17:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-33

Tot Ion:244 Resp: 666960
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 13.5 10.7 16.1

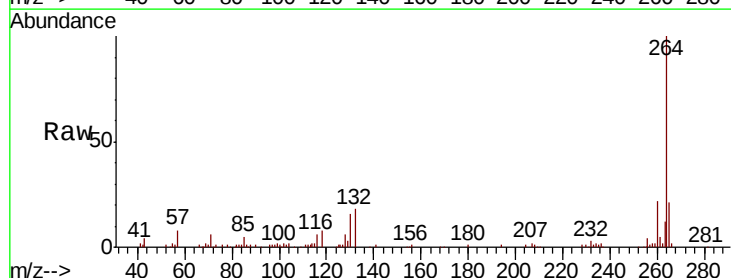


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF117419.D
 Acq: 16 Oct 2019 17:46

Tgt Ion:264 Resp: 148020
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.6 27.8
 265 20.6 17.4 26.0



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

