

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101619\
 Data File : BF117417.D
 Acq On : 16 Oct 2019 16:53
 Operator : JU
 Sample : K5355-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-31

Quant Time: Oct 17 01:00:36 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	40464	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	159625	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	84932	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	147696	20.00	ng	0.00
76) Chrysene-d12	13.96	240	129223	20.00	ng	0.00
87) Perylene-d12	15.42	264	129418	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	329052	125.12	ng	0.00
7) Phenol-d6	6.43	99	434371	124.49	ng	0.00
23) Nitrobenzene-d5	7.36	82	278536	88.45	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	102207	147.86	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	503729	86.47	ng	0.00
79) Terphenyl-d14	12.90	244	592306	74.72	ng	0.00

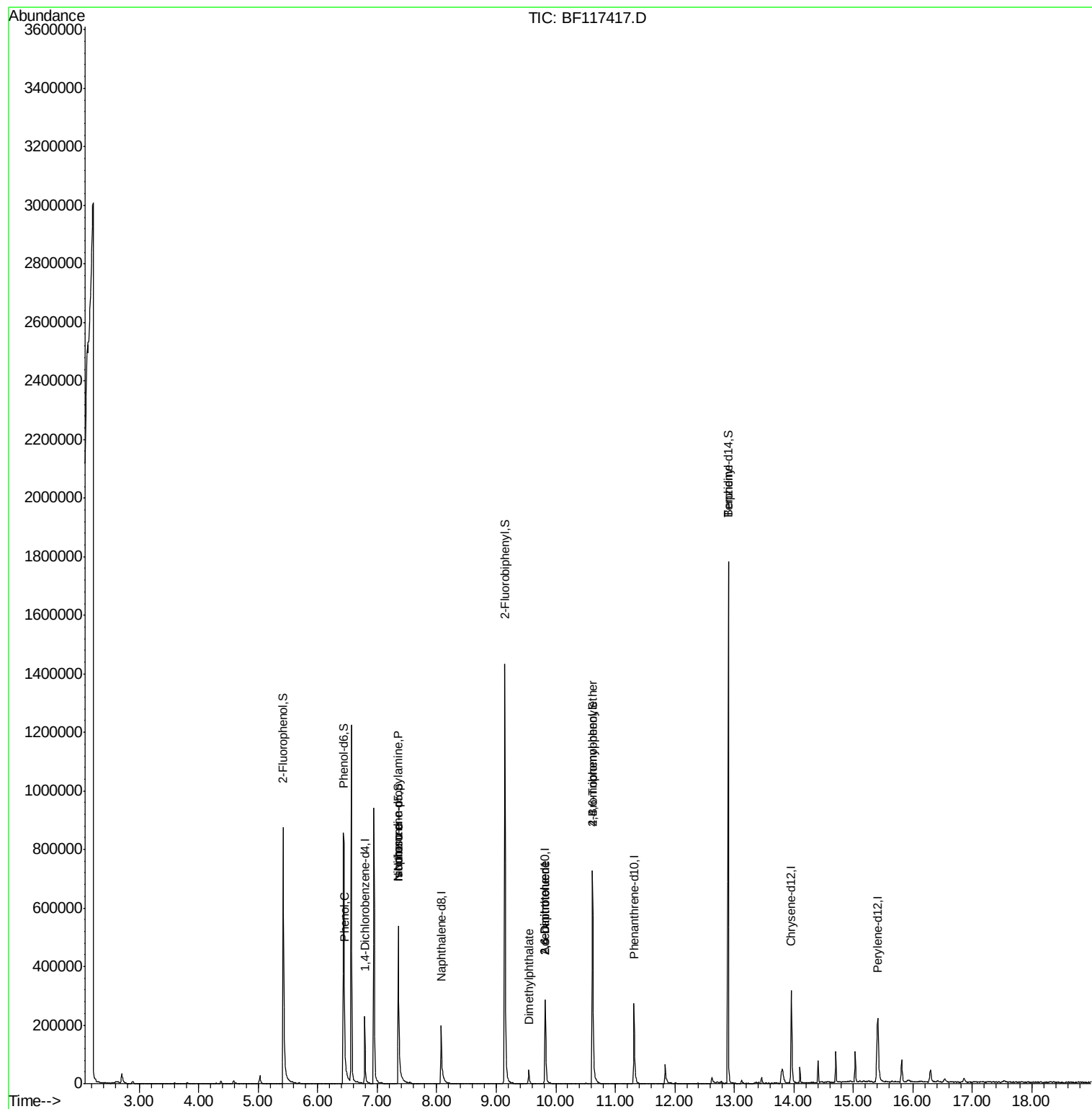
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	304	Below Cal		# 1
10) Phenol	6.45	94	9140	2.426	ng	# 72
19) n-Nitroso-di-n-propylamine	7.36	70	34389	15.457	ng	# 77
25) Isophorone	7.36	82	278535	49.654	ng	# 67
50) Dimethylphthalate	9.55	163	29739	4.876	ng	# 98
51) 2,6-Dinitrotoluene	9.82	165	10982	8.566	ng	# 21
57) 2,4-Dinitrotoluene	9.82	165	10982	6.492	ng	# 12
67) 4-Bromophenyl-phenylether	10.62	248	6333	3.909	ng	# 1
77) Benzidine	12.90	184	8011	2.507	ng	# 95

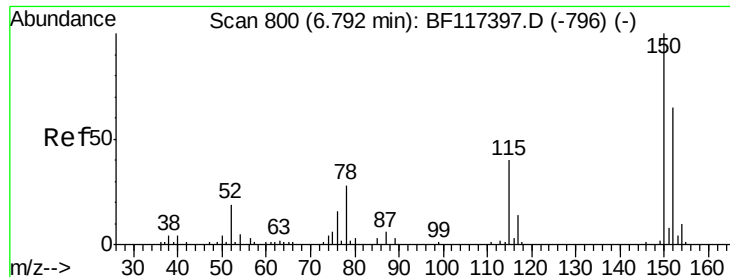
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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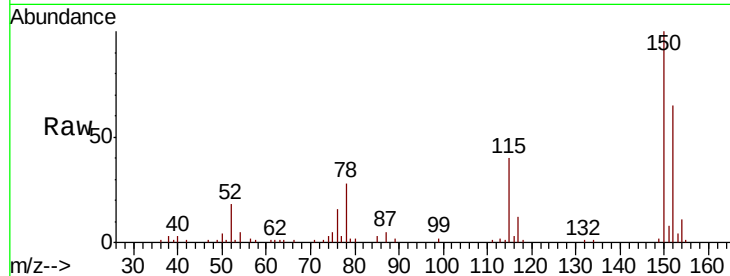


#1

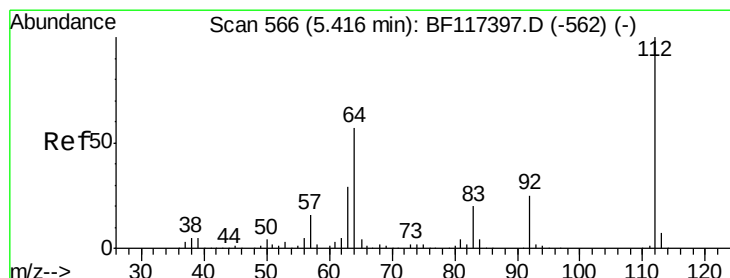
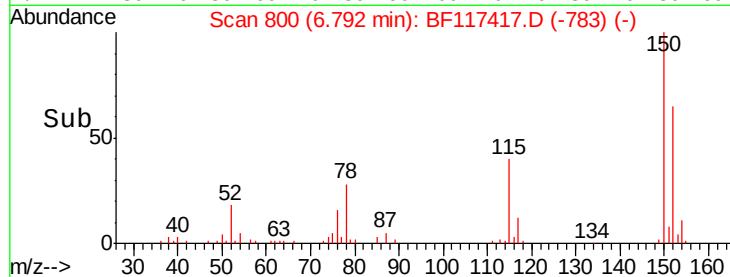
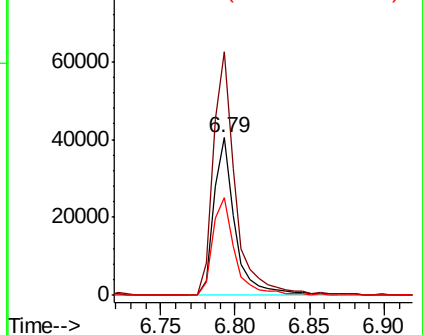
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF117417.D
 Acq: 16 Oct 2019 16:53

Instrument :
 BNA_F
 ClientSampleId :
 COMP-31

Tot Ion:152 Resp: 40464
 Ion Ratio Lower Upper
 152 100
 150 154.5 122.7 184.1
 115 62.3 48.6 73.0



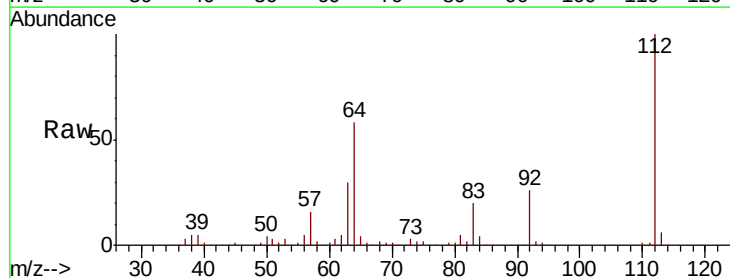
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



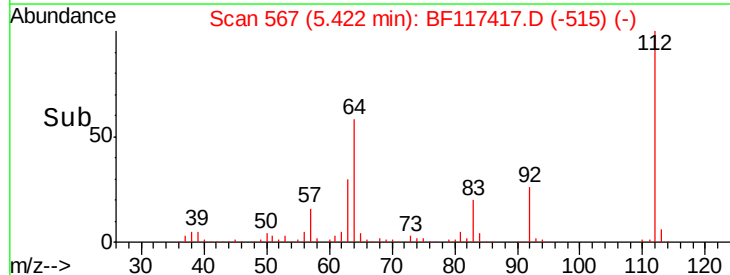
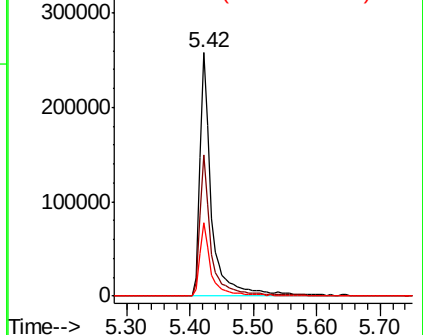
#5

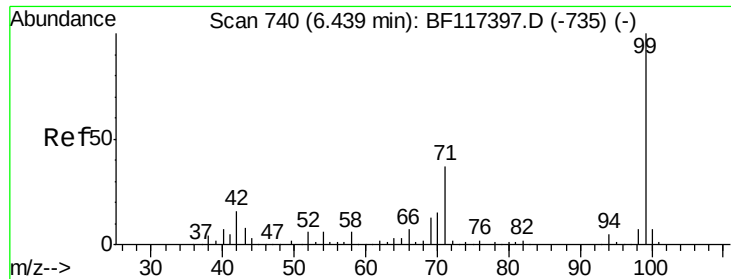
2-Fluorophenol
 Concen: 125.121 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF117417.D
 Acq: 16 Oct 2019 16:53

Tgt Ion:112 Resp: 329052
 Ion Ratio Lower Upper
 112 100
 64 57.9 45.2 67.8
 63 30.1 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: 124.485 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF117417.D

Acq: 16 Oct 2019 16:53

Instrument :

BNA_F

ClientSampleId :

COMP-31

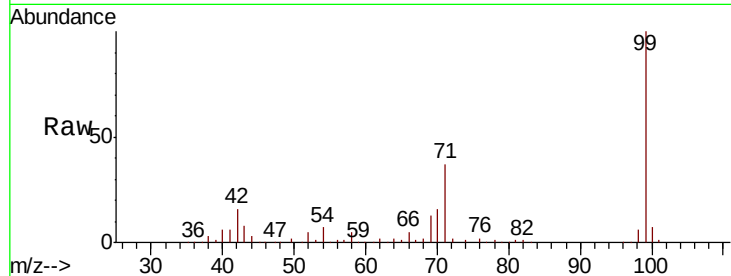
Tot Ion: 99 Resp: 434371

Ion Ratio Lower Upper

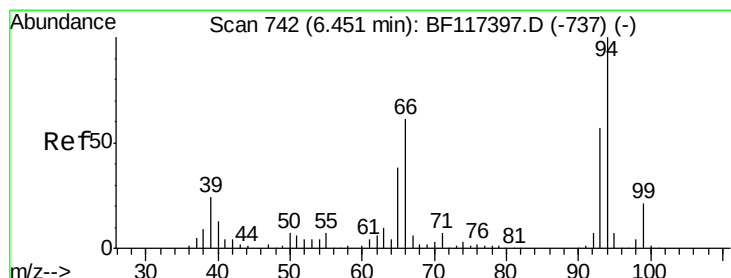
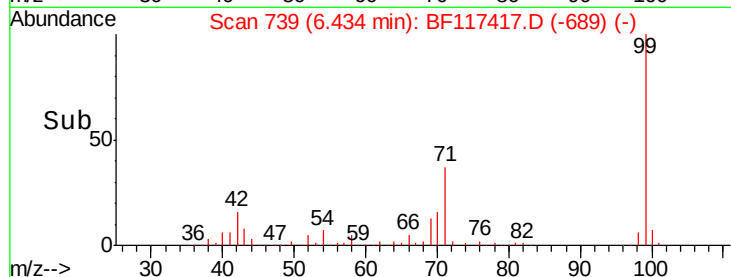
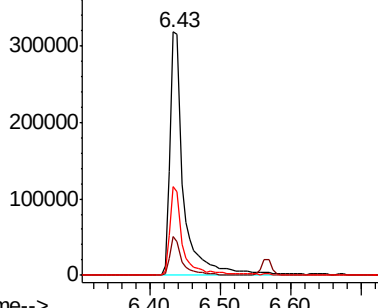
99 100

42 16.1 12.5 18.7

71 36.7 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



#10

Phenol

Concen: 2.426 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF117417.D

Acq: 16 Oct 2019 16:53

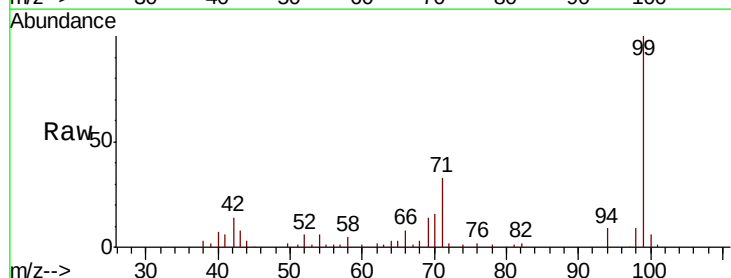
Tgt Ion: 94 Resp: 9140

Ion Ratio Lower Upper

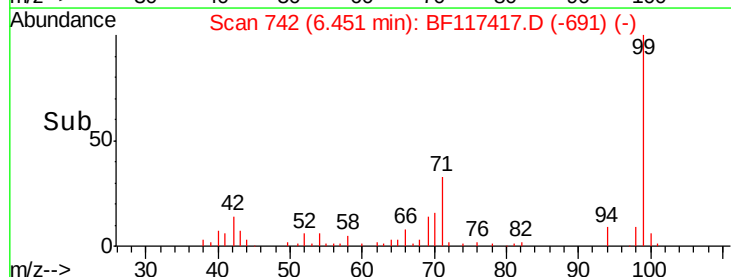
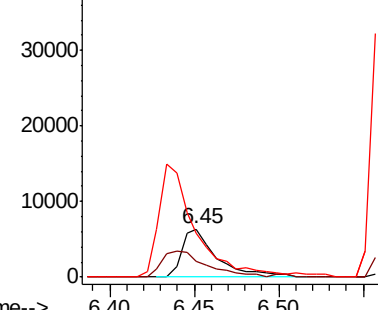
94 100

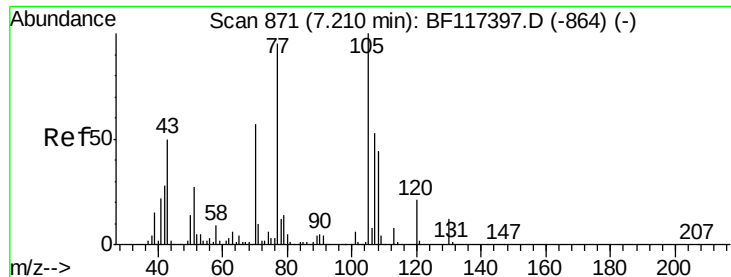
65 33.2 18.2 58.2

66 91.4 41.1 81.1#



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

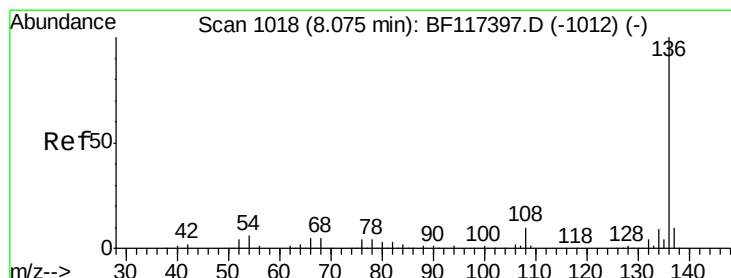
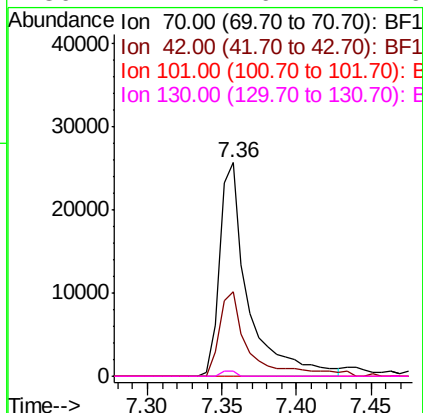
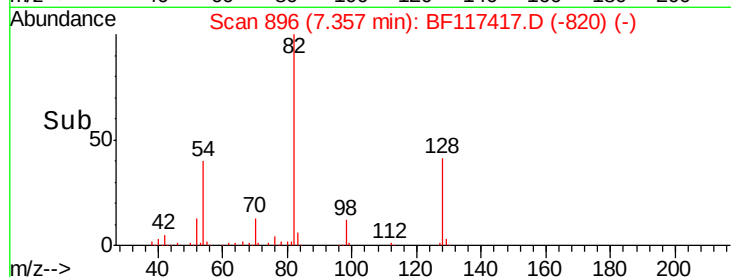
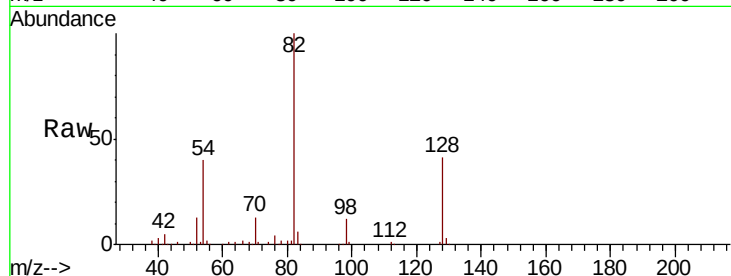




#19
n-Nitroso-di-n-propylamine
Concen: 15.457 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF117417.D
Acq: 16 Oct 2019 16:53

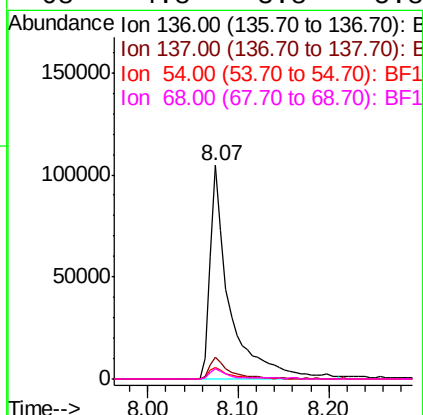
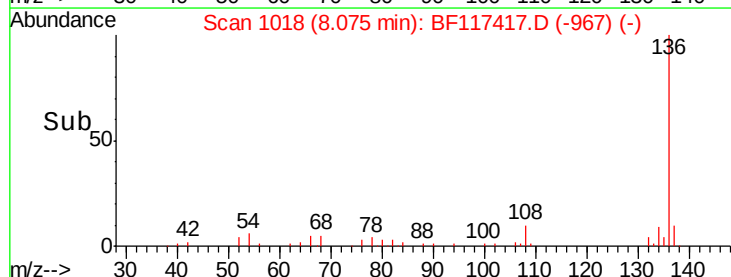
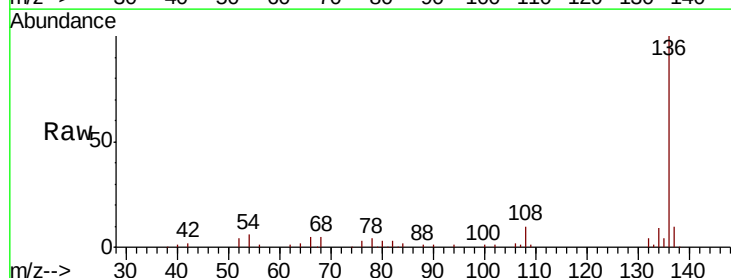
Instrument :
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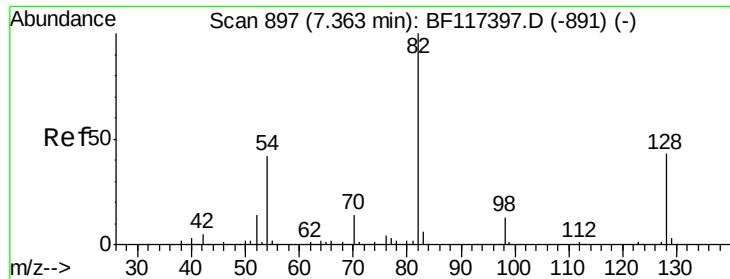
Tot Ion: 70 Resp: 34389
Ion Ratio Lower Upper
70 100
42 39.3 39.8 59.8#
101 0.0 8.1 12.1#
130 2.7 16.4 24.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF117417.D
Acq: 16 Oct 2019 16:53

Tgt Ion: 136 Resp: 159625
Ion Ratio Lower Upper
136 100
137 10.2 8.4 12.6
54 5.7 4.6 6.8
68 4.8 3.8 5.8

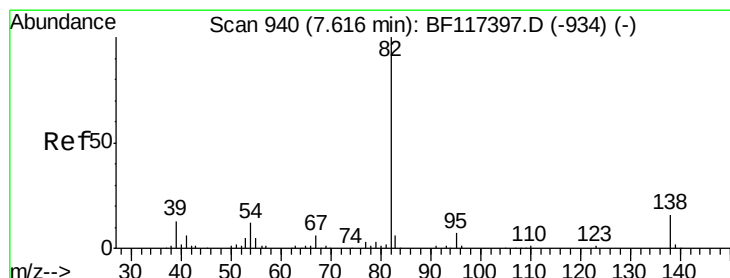
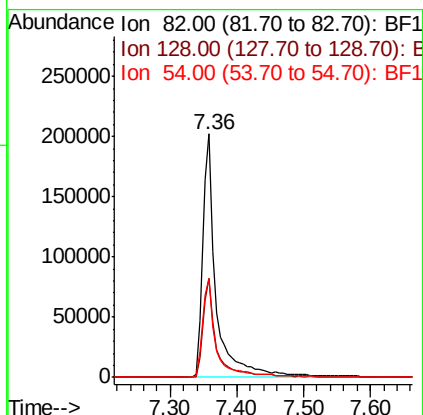
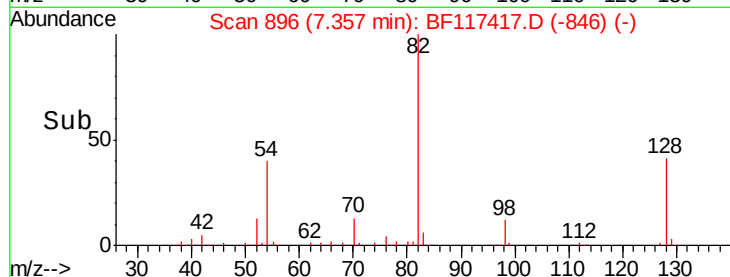
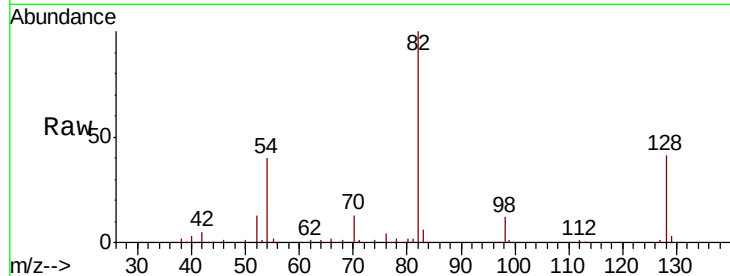




#23
Nitrobenzene-d5
Concen: 88.452 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117417.D
Acq: 16 Oct 2019 16:53

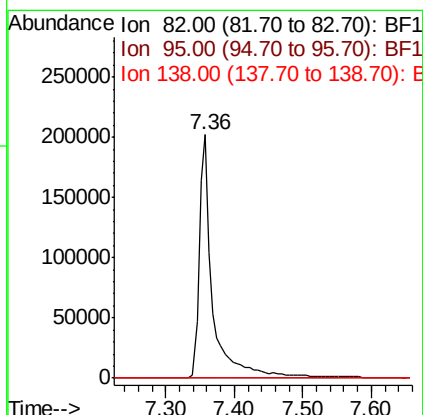
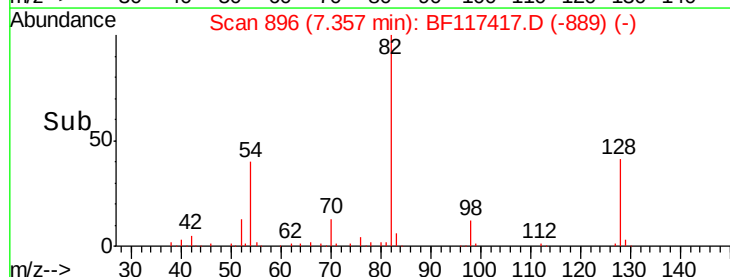
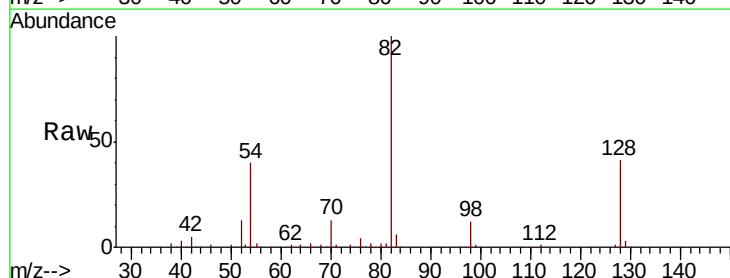
Instrument :
BNA_F
ClientSampled :
COMP-31

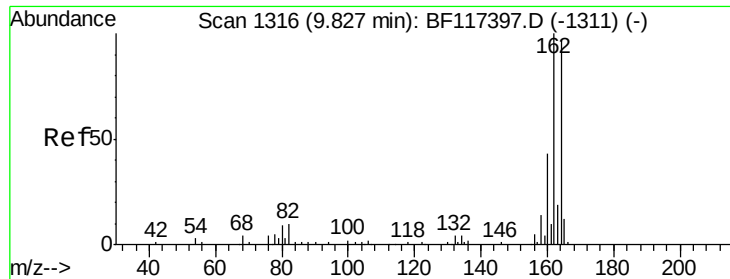
Tot Ion: 82 Resp: 278536
Ion Ratio Lower Upper
82 100
128 40.9 34.1 51.1
54 40.4 33.3 49.9



#25
Isophorone
Concen: 49.654 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF117417.D
Acq: 16 Oct 2019 16:53

Tgt Ion: 82 Resp: 278535
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.0 19.4#

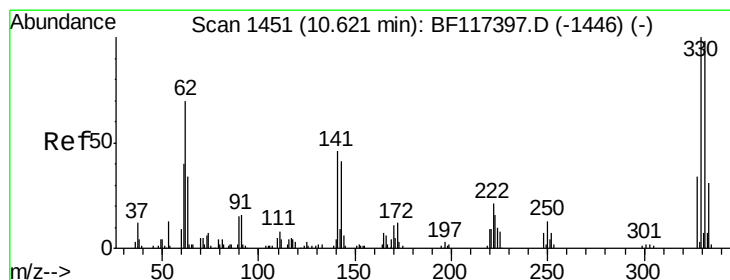
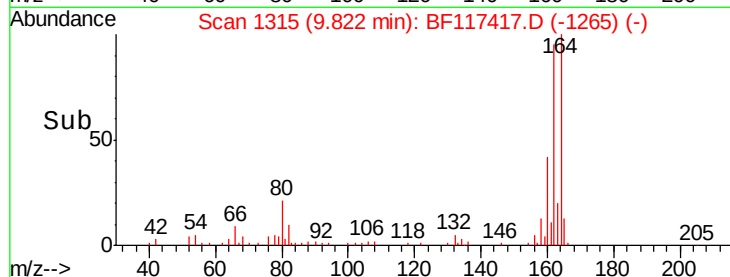
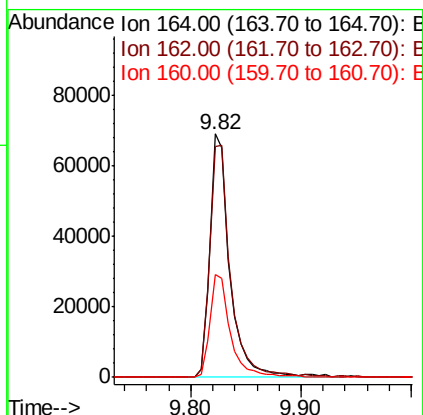
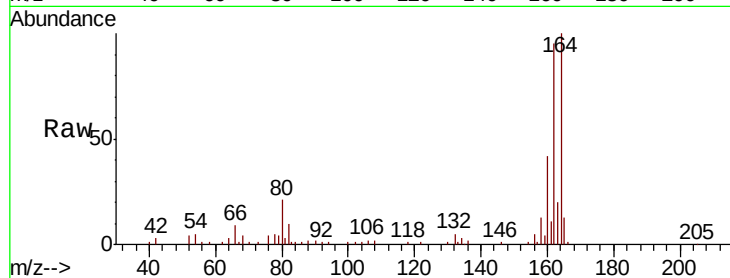




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF117417.D
 Acq: 16 Oct 2019 16:53

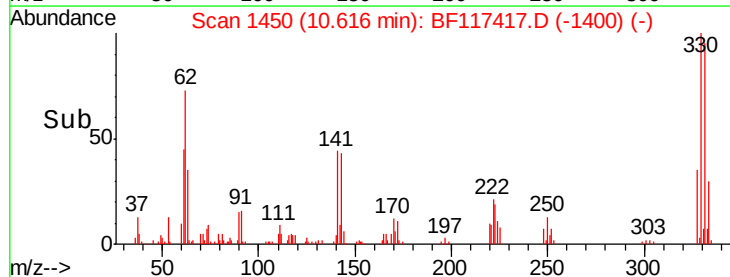
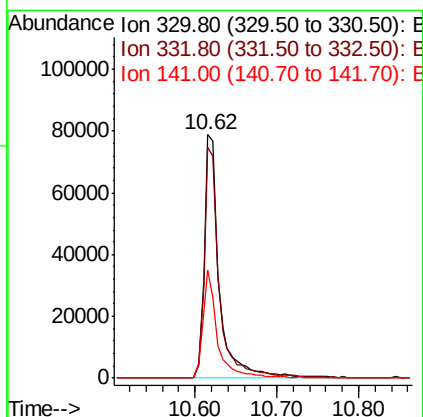
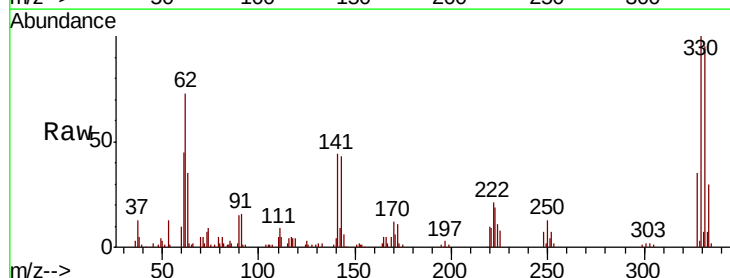
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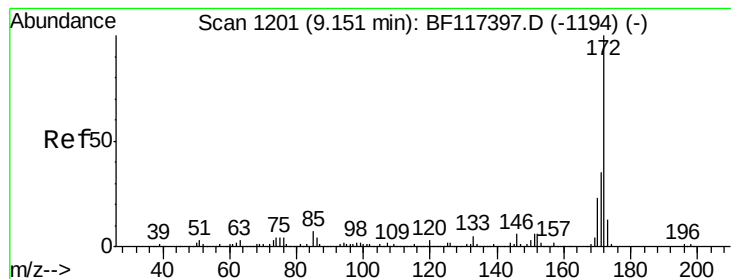
Tot Ion:164 Resp: 84932
 Ion Ratio Lower Upper
 164 100
 162 94.8 82.4 123.6
 160 42.3 35.4 53.0



#42
 2,4,6-Tribromophenol
 Concen: 147.862 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF117417.D
 Acq: 16 Oct 2019 16:53

Tgt Ion:330 Resp: 102207
 Ion Ratio Lower Upper
 330 100
 332 94.9 75.0 112.6
 141 42.7 34.2 51.4





#45

2-Fluorobiphenyl

Concen: 86.466 ng

RT: 9.15 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BF117417.D

Acq: 16 Oct 2019 16:53

Instrument :

BNA_F

ClientSampleId :

COMP-31

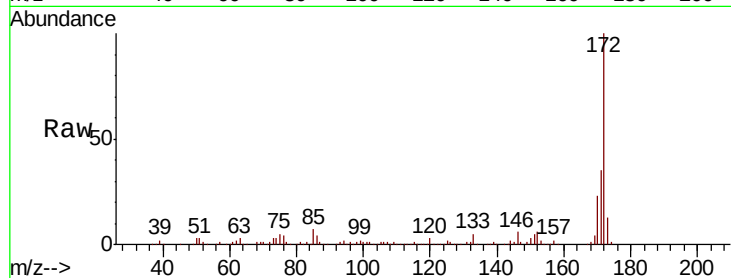
Tot Ion:172 Resp: 503729

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.2

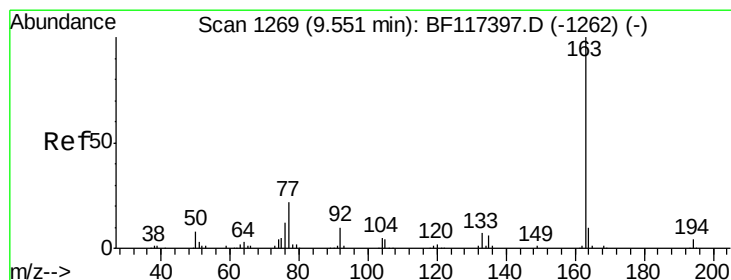
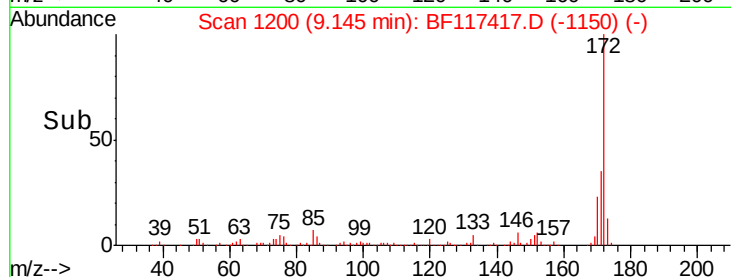
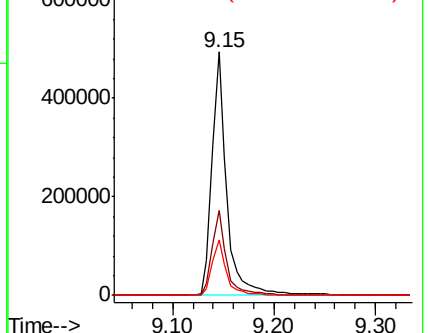
170 22.7 18.2 27.2



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: 4.876 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF117417.D

Acq: 16 Oct 2019 16:53

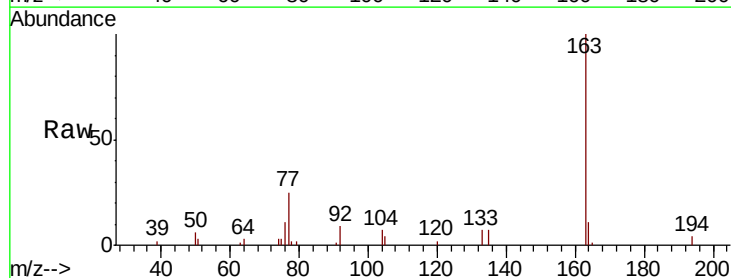
Tgt Ion:163 Resp: 29739

Ion Ratio Lower Upper

163 100

194 4.3 3.1 4.7

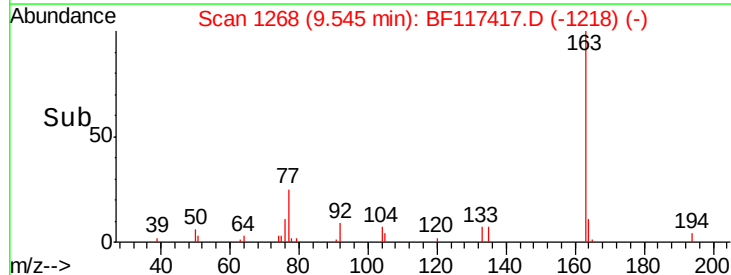
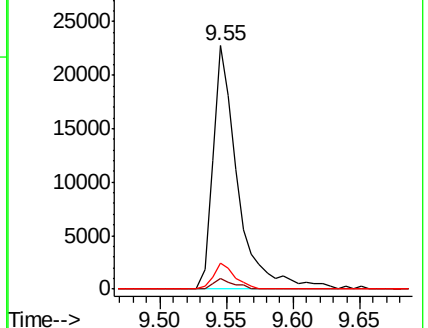
164 10.9 8.0 12.0

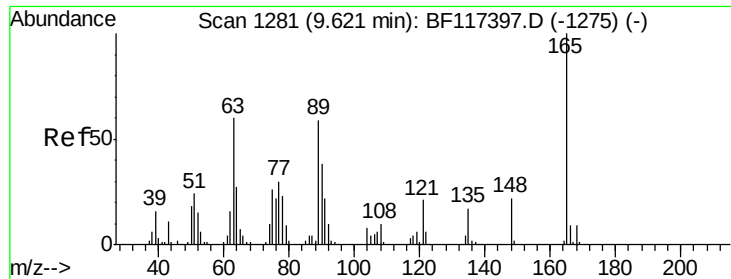


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

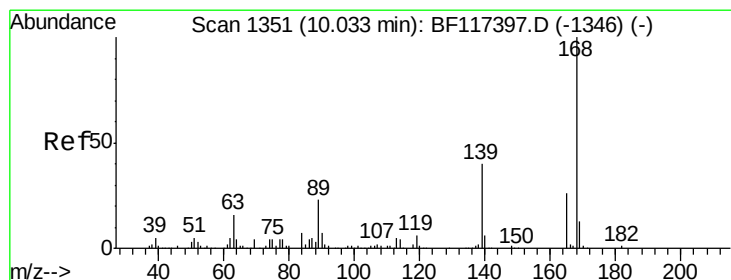
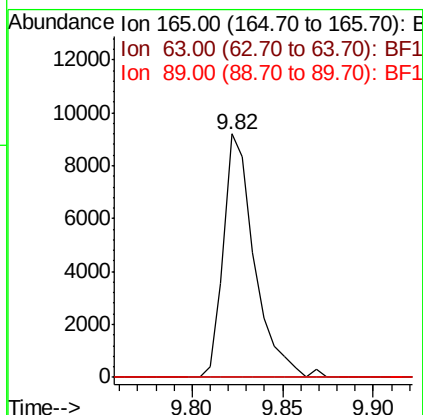
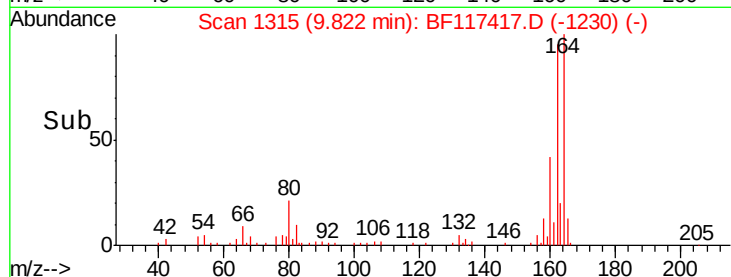
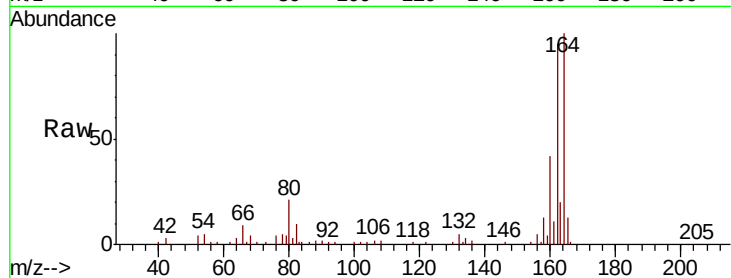




#51
 2,6-Dinitrotoluene
 Concen: 8.566 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.20 min
 Lab File: BF117417.D
 Acq: 16 Oct 2019 16:53

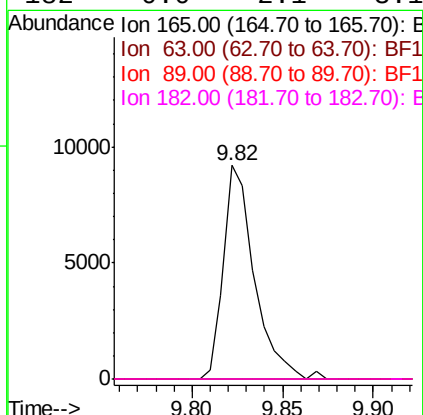
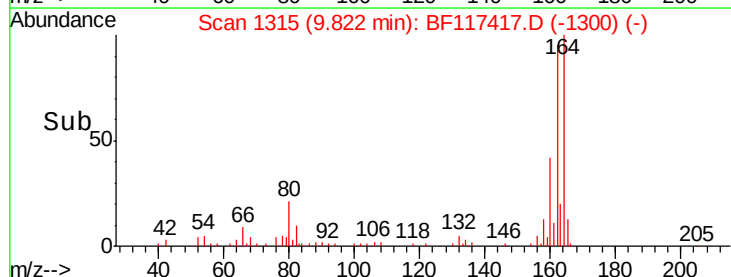
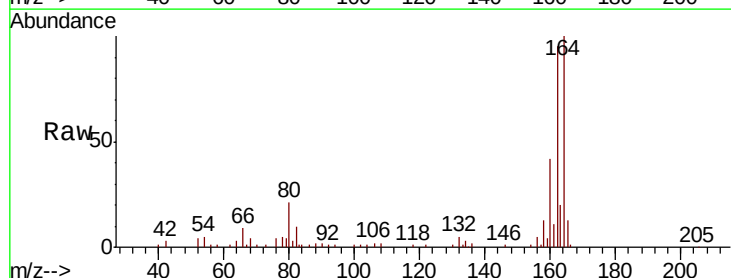
Instrument :
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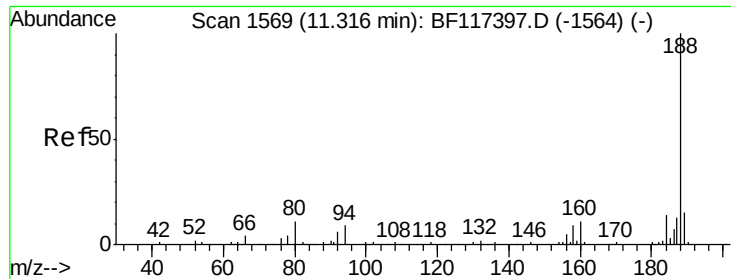
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.8	71.6#
89	0.0	47.4	71.0#



#57
 2,4-Dinitrotoluene
 Concen: 6.492 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.21 min
 Lab File: BF117417.D
 Acq: 16 Oct 2019 16:53

Tgt 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#

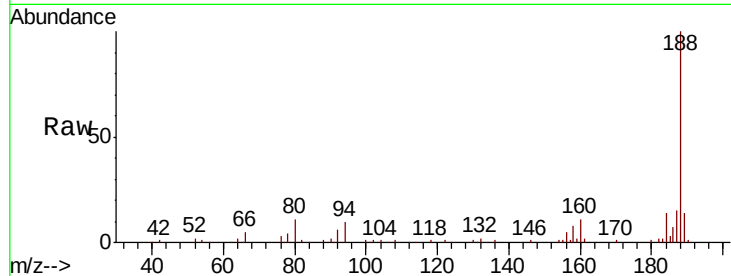




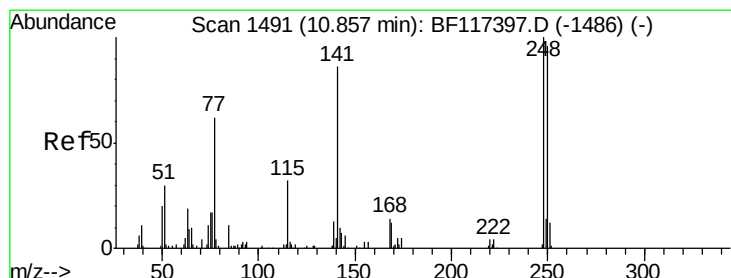
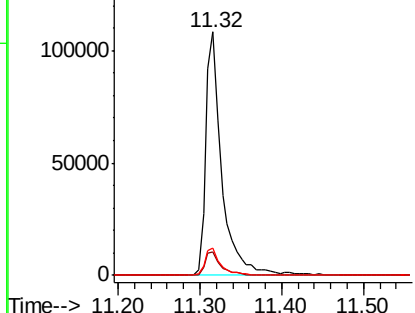
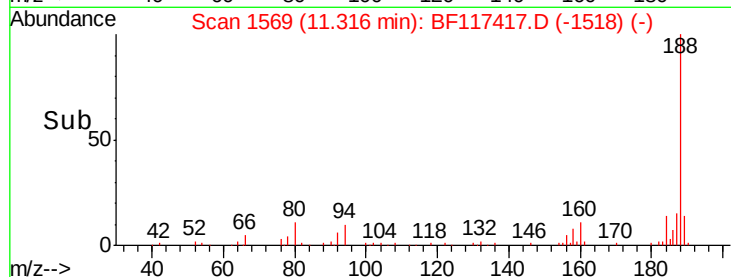
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF117417.D
 Acq: 16 Oct 2019 16:53

Instrument :
 BNA_F
 ClientSampled :
 COMP-31

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.5	11.3
80	11.2	8.7	13.1

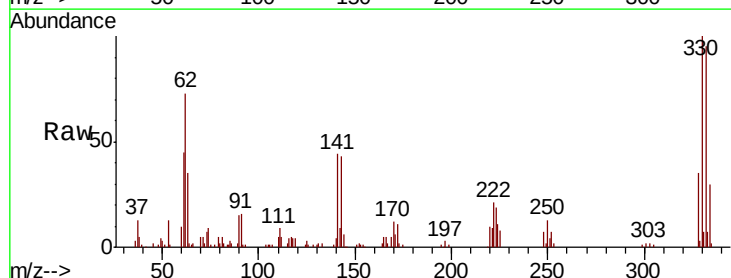


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

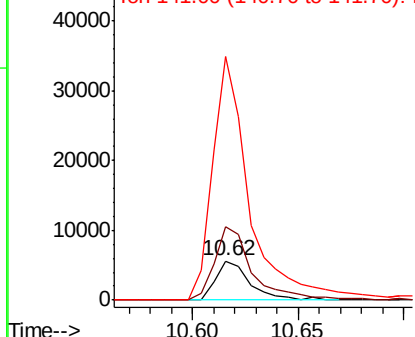
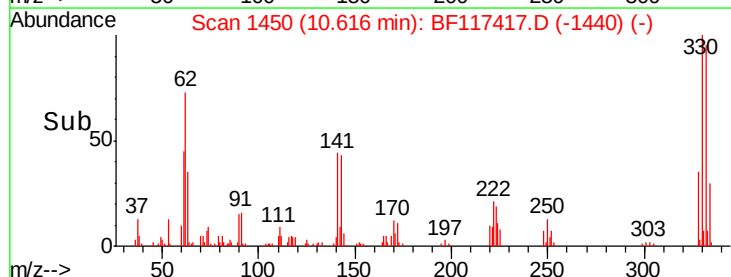


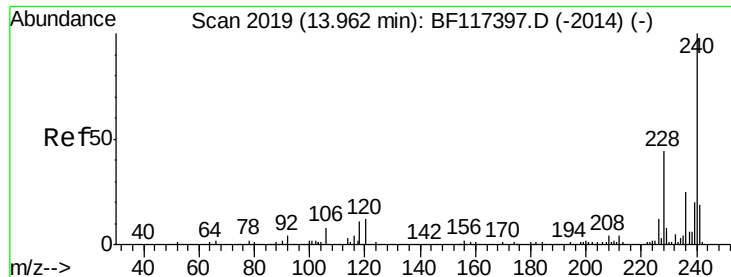
#67
 4-Bromophenyl-phenylether
 Concen: 3.909 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.24 min
 Lab File: BF117417.D
 Acq: 16 Oct 2019 16:53

Tgt Ion	Ratio	Lower	Upper
248	100		
250	187.6	77.1	115.7#
141	619.6	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

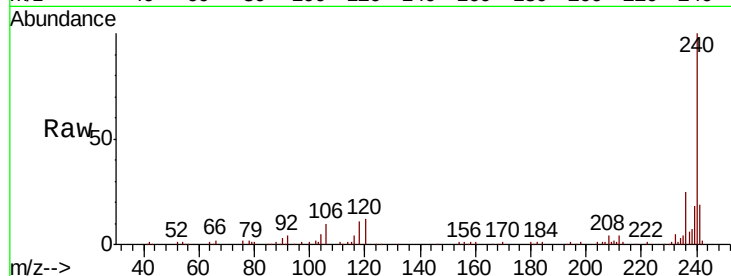




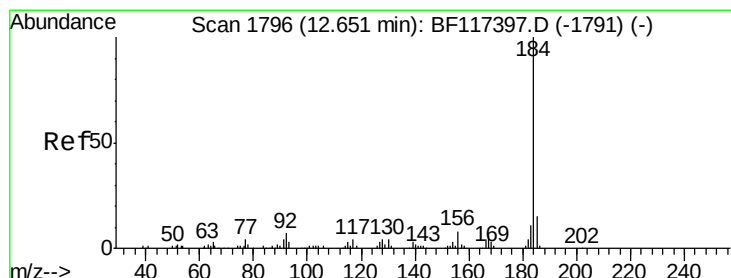
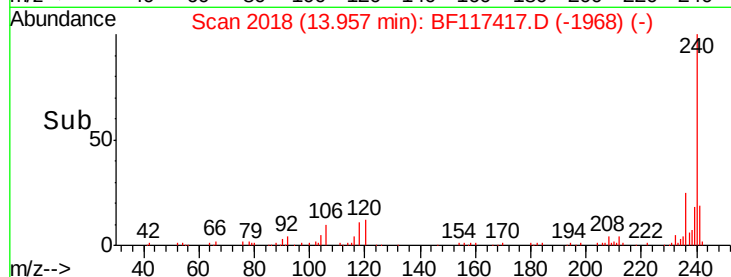
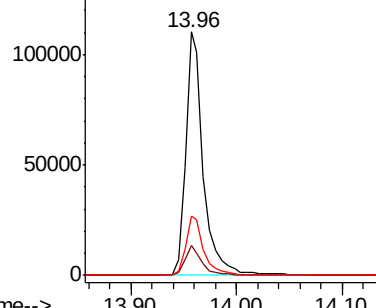
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117417.D
Acq: 16 Oct 2019 16:53

Instrument :
BNA_F
ClientSampled :
COMP-31

Tot Ion:240 Resp: 129223
Ion Ratio Lower Upper
240 100
120 12.4 9.4 14.0
236 24.6 19.8 29.6

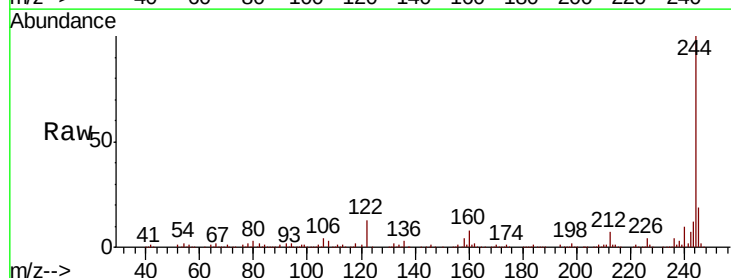


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

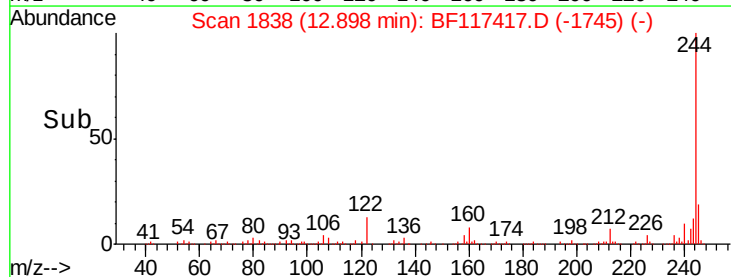
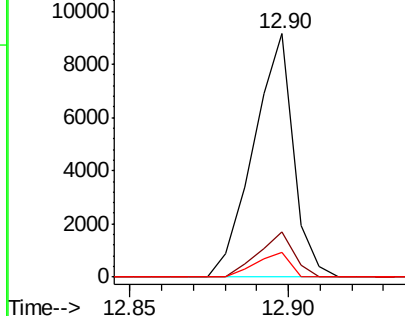


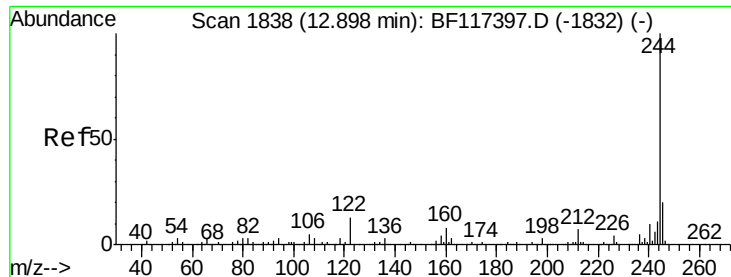
#77
Benzidine
Concen: 2.507 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.25 min
Lab File: BF117417.D
Acq: 16 Oct 2019 16:53

Tgt Ion:184 Resp: 8011
Ion Ratio Lower Upper
184 100
185 18.5 12.2 18.2#
183 10.3 8.9 13.3



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: 74.720 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF117417.D

Acq: 16 Oct 2019 16:53

Instrument :

BNA_F

ClientSampleId :

COMP-31

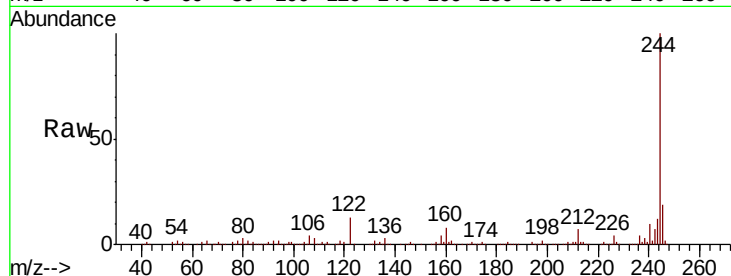
Tot Ion:244 Resp: 592306

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 12.6 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

12.90

800000

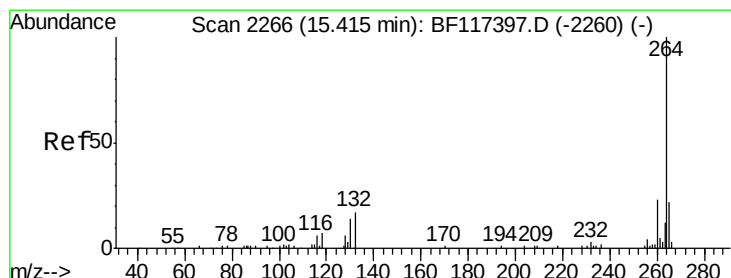
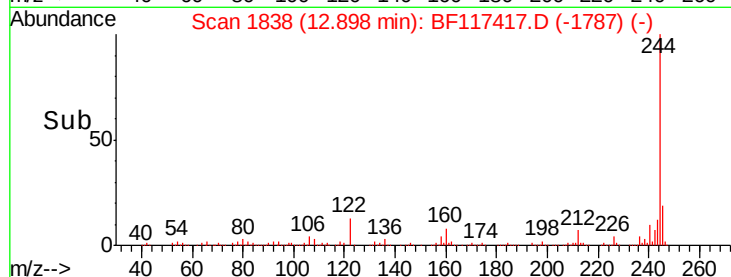
600000

400000

200000

0

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. 0.00 min

Lab File: BF117417.D

Acq: 16 Oct 2019 16:53

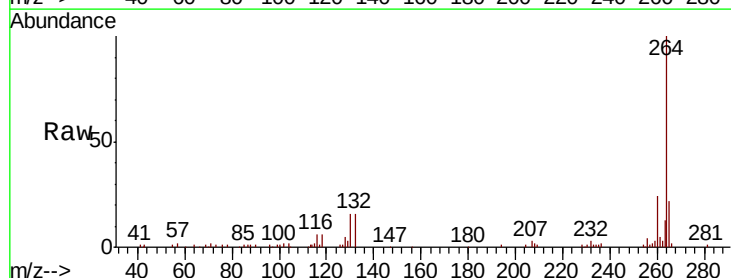
Tgt Ion:264 Resp: 129418

Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 22.1 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

15.42

100000

80000

60000

40000

20000

0

Time-->

