

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072619\
 Data File : BF115813.D
 Acq On : 27 Jul 2019 3:13
 Operator : HP/JU
 Sample : K3620-19 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072519-E

Quant Time: Jul 27 04:25:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 25 13:16:07 2019
 Response via : Initial Calibration

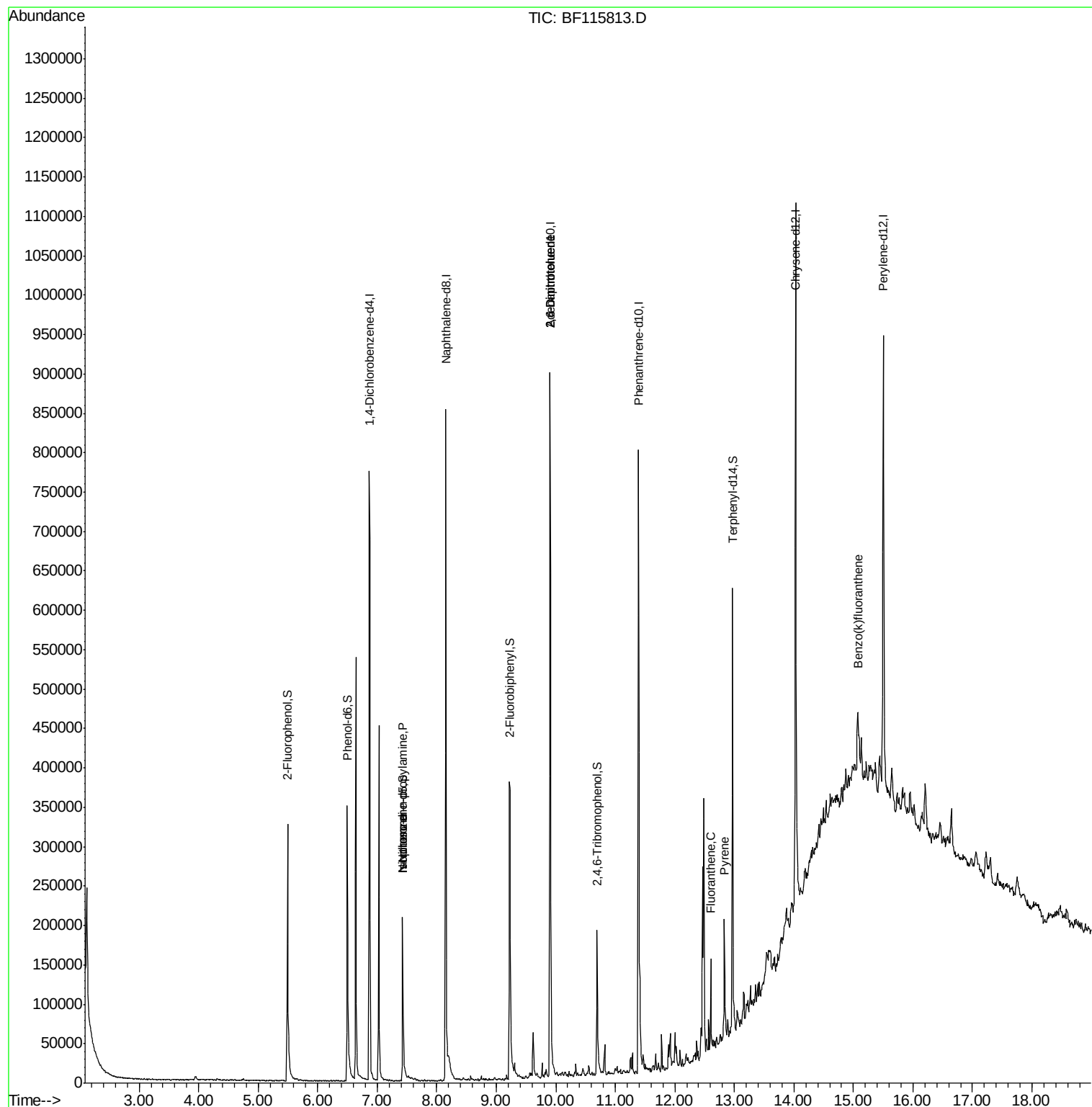
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	122033	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	440912	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	204720	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	320223	20.00	ng	0.00
76) Chrysene-d12	14.03	240	320469	20.00	ng	0.00
87) Perylene-d12	15.50	264	304214	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	127985	17.15	ng	0.00
7) Phenol-d6	6.50	99	168737	17.82	ng	0.00
23) Nitrobenzene-d5	7.43	82	94139	12.41	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	30780	12.88	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	186791	15.97	ng	0.00
79) Terphenyl-d14	12.97	244	185473	10.68	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	12734	2.063	ng	# 82
25) Isophorone	7.43	82	94139	6.204	ng	# 65
51) 2,6-Dinitrotoluene	9.90	165	25616	7.318	ng	# 24
57) 2,4-Dinitrotoluene	9.90	165	25859	5.702	ng	# 24
75) Fluoranthene	12.60	202	48543	2.799	ng	99
78) Pyrene	12.83	202	60573	2.231	ng	95
89) Benzo(k)fluoranthene	15.07	252	37194	2.130	ng	# 78

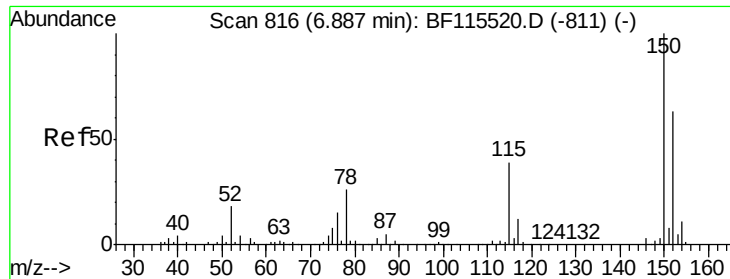
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 25 13:16:07 2019
Response via : Initial Calibration

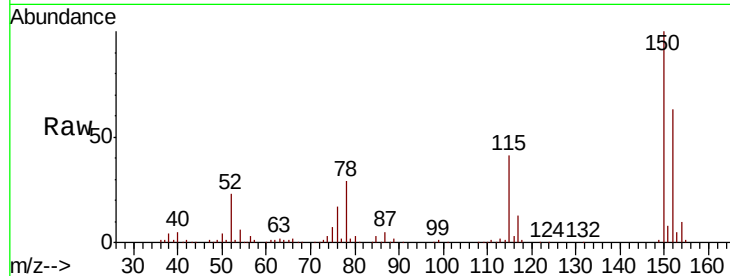




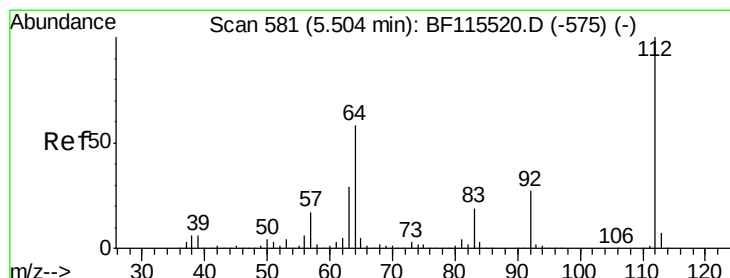
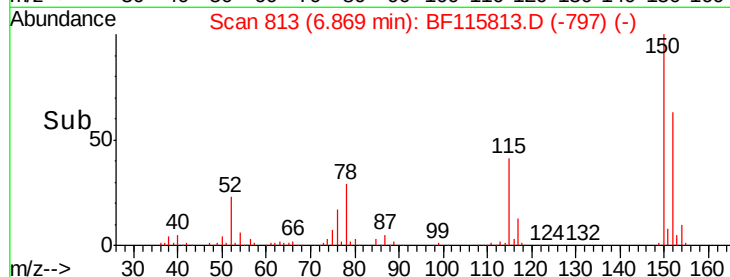
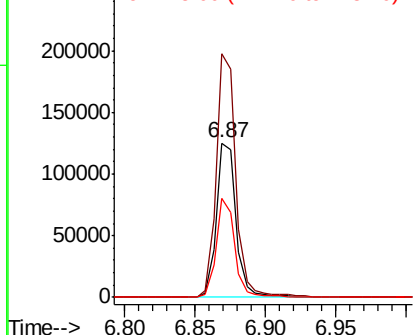
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF115813.D
 Acq: 27 Jul 2019 3:13

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072519-E

Tgt Ion:152 Resp: 122033
 Ion Ratio Lower Upper
 152 100
 150 157.7 126.6 189.8
 115 64.2 47.8 71.6

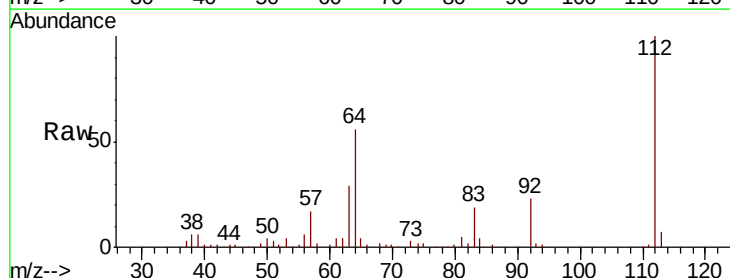


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

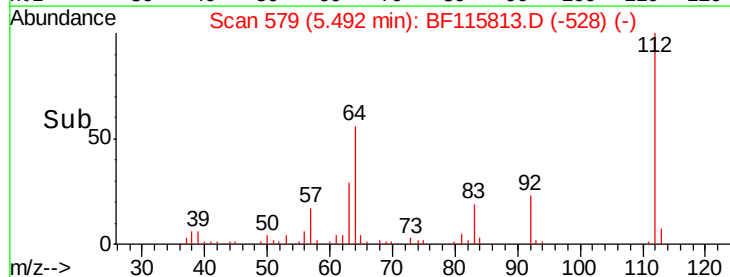
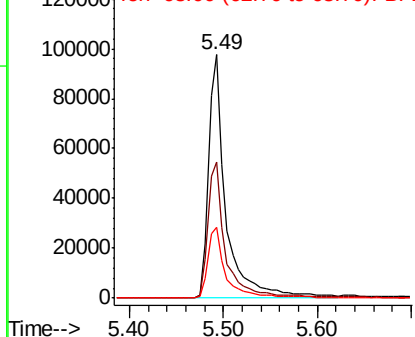


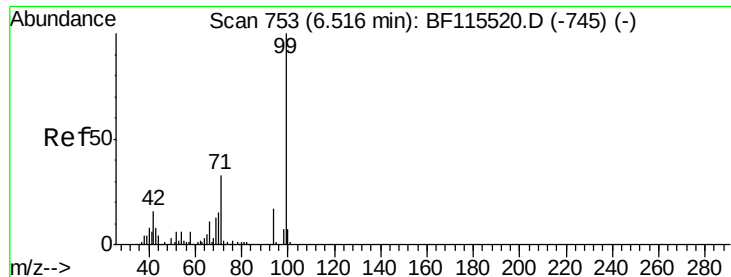
#5
 2-Fluorophenol
 Concen: 17.155 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: BF115813.D
 Acq: 27 Jul 2019 3:13

Tgt Ion:112 Resp: 127985
 Ion Ratio Lower Upper
 112 100
 64 55.8 45.8 68.8
 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: 17.824 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF115813.D

Acq: 27 Jul 2019 3:13

Instrument :

BNA_F

ClientSampleId :

CL-02-072519-E

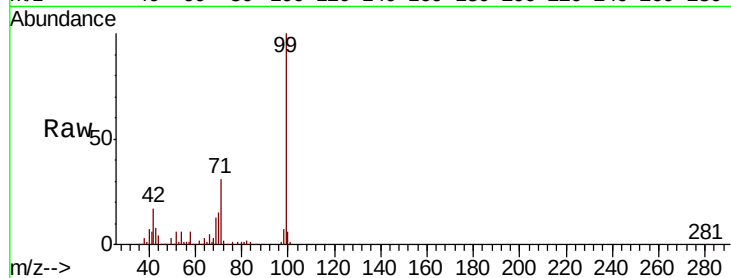
Tgt Ion: 99 Resp: 168737

Ion Ratio Lower Upper

99 100

42 16.8 13.4 20.2

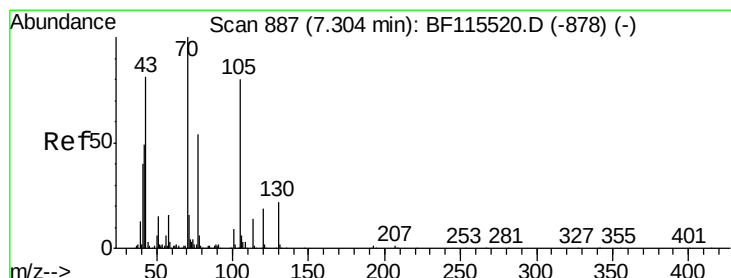
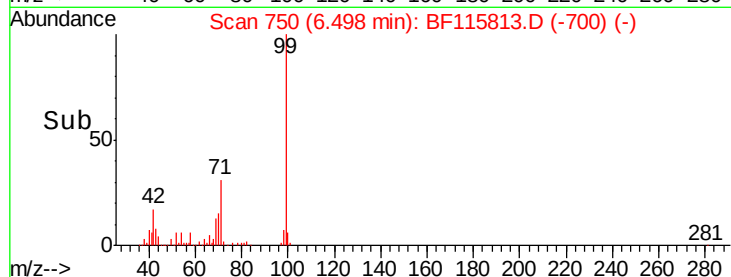
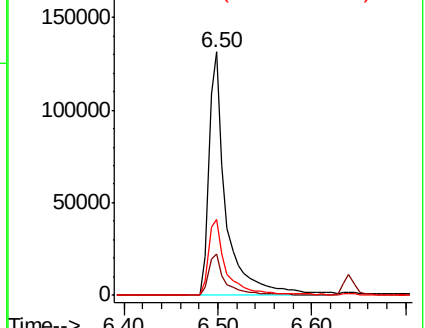
71 31.1 26.7 40.1



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: 2.063 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF115813.D

Acq: 27 Jul 2019 3:13

Tgt Ion: 70 Resp: 12734

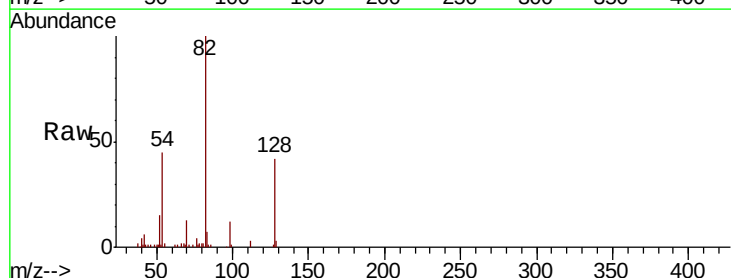
Ion Ratio Lower Upper

70 100

42 48.7 41.8 62.8

101 0.0 7.6 11.4#

130 0.0 16.9 25.3#

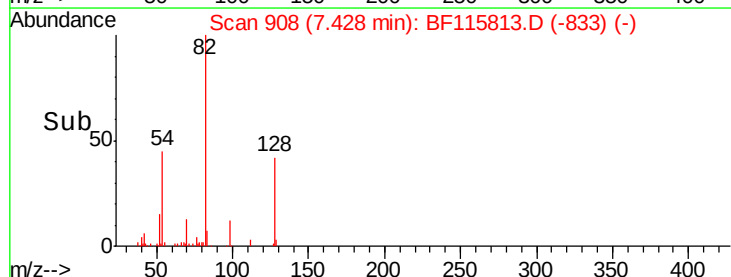
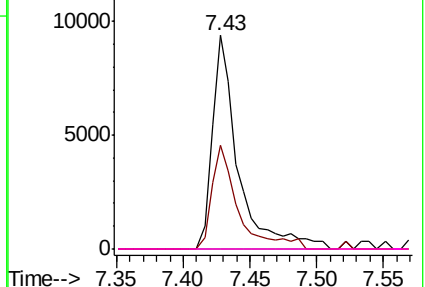


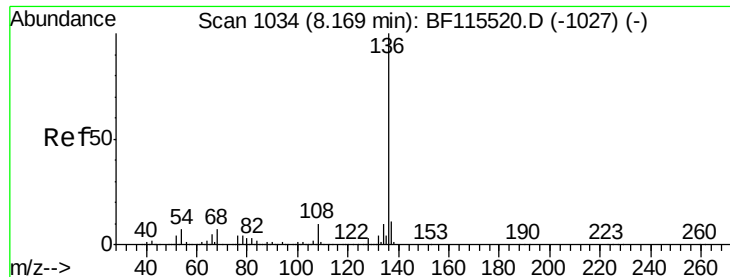
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

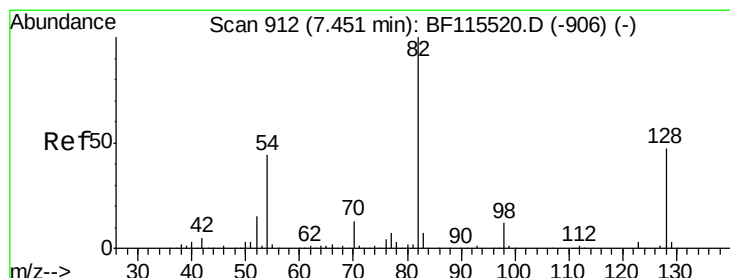
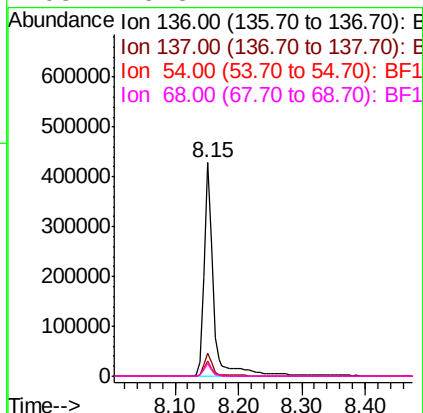
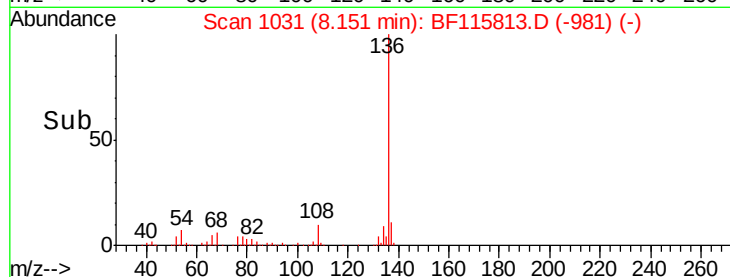
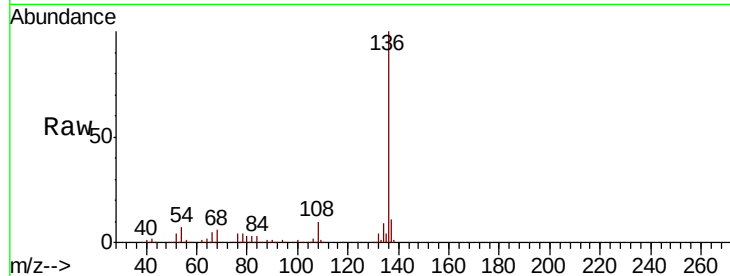




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF115813.D
Acq: 27 Jul 2019 3:13

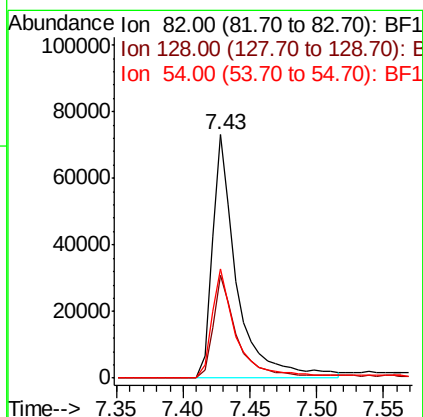
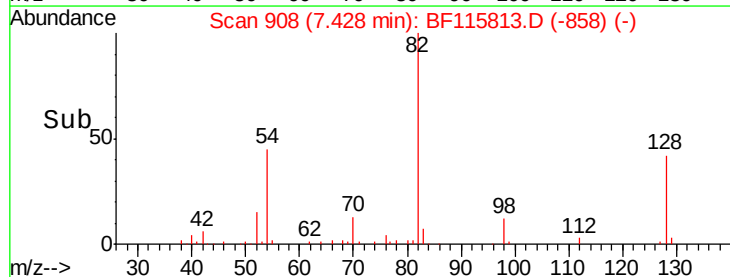
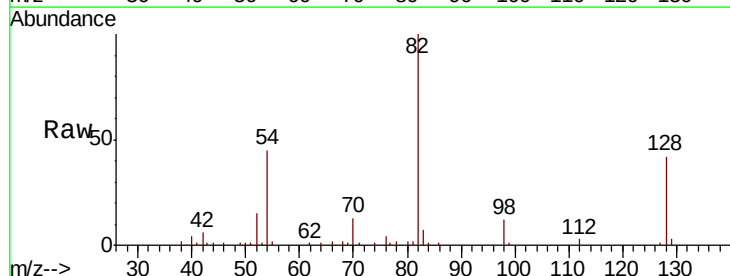
Instrument :
BNA_F
ClientSampleId :
CL-02-072519-E

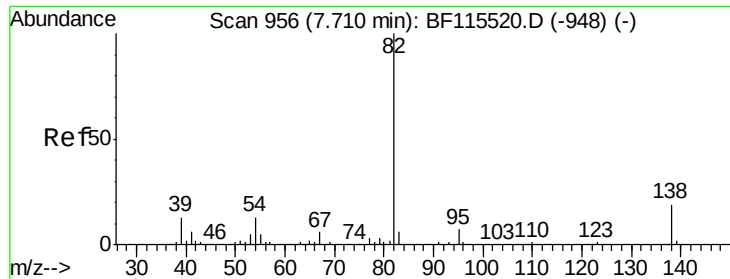
Tgt Ion:	136	Resp:	440912
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	7.0	5.0	7.6
68	5.8	4.7	7.1



#23
Nitrobenzene-d5
Concen: 12.415 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF115813.D
Acq: 27 Jul 2019 3:13

Tgt Ion:	82	Resp:	94139
Ion Ratio	Lower	Upper	
82	100		
128	42.5	36.6	55.0
54	44.9	36.6	54.8





#25

Isophorone

Concen: 6.204 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF115813.D

Acq: 27 Jul 2019 3:13

Instrument :

BNA_F

ClientSampleId :

CL-02-072519-E

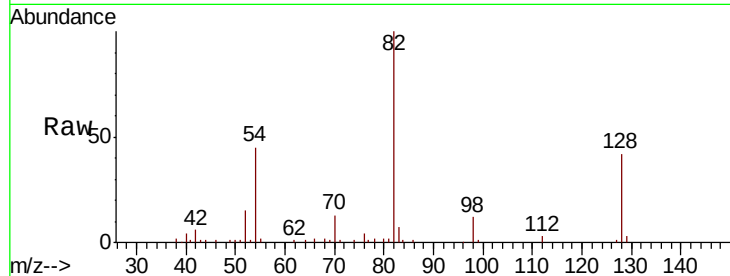
Tgt Ion: 82 Resp: 94139

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

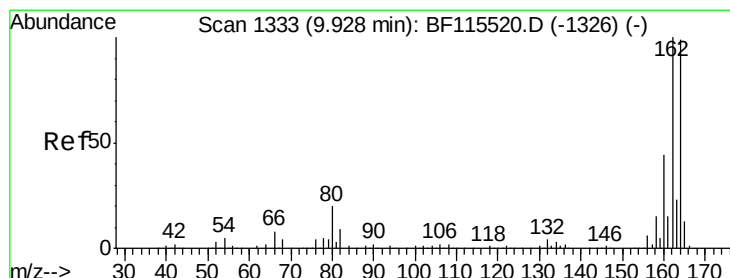
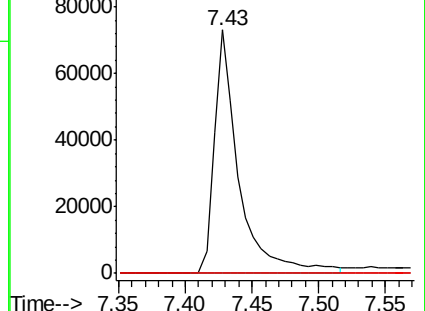
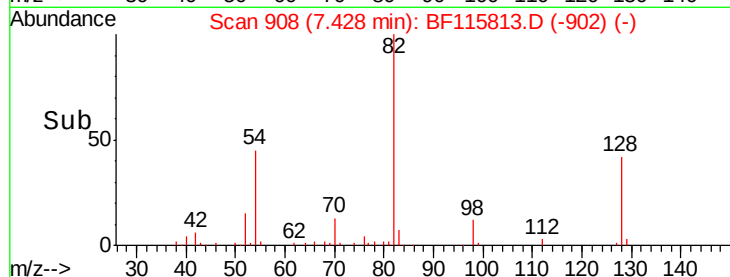
138 0.0 14.2 21.4#



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: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF115813.D

Acq: 27 Jul 2019 3:13

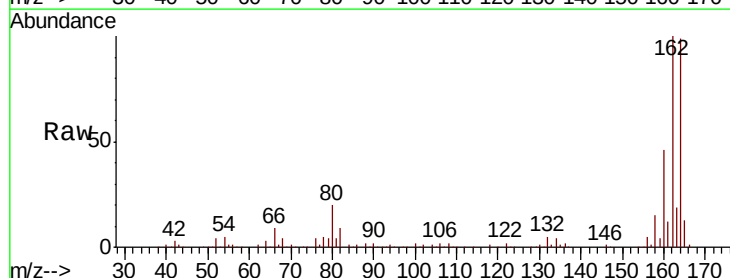
Tgt Ion: 164 Resp: 204720

Ion Ratio Lower Upper

164 100

162 100.5 81.8 122.6

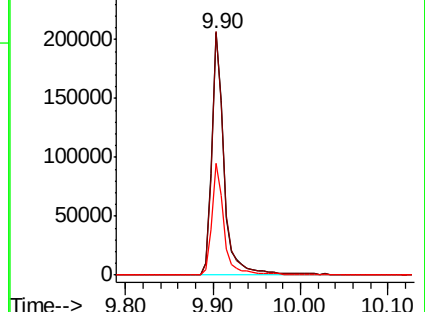
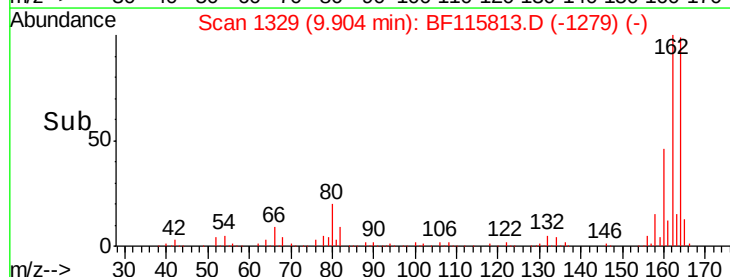
160 46.0 37.5 56.3

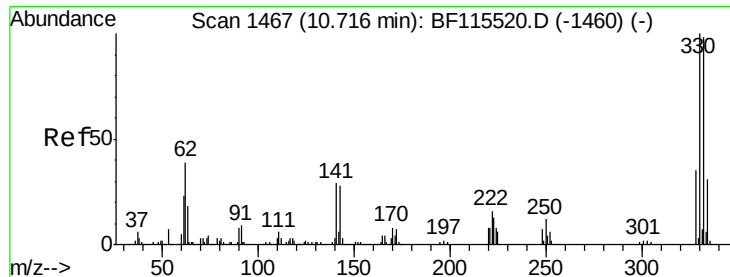


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 12.881 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF115813.D

Acq: 27 Jul 2019 3:13

Instrument :

BNA_F

ClientSampleId :

CL-02-072519-E

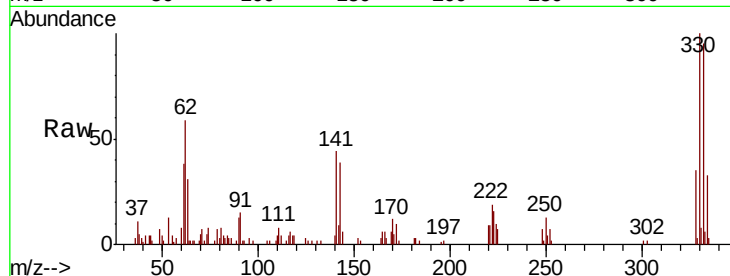
Tgt Ion:330 Resp: 30780

Ion Ratio Lower Upper

330 100

332 95.4 76.1 114.1

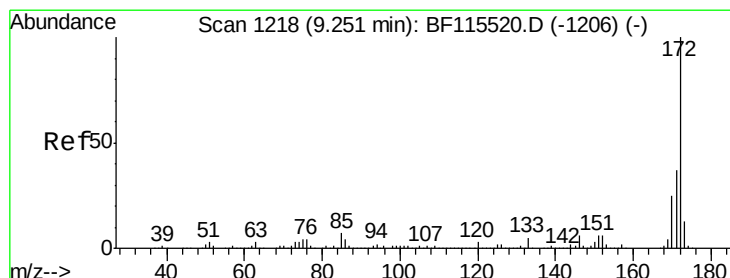
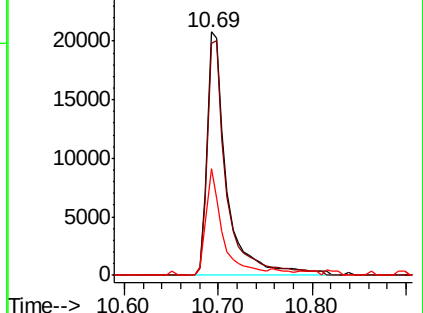
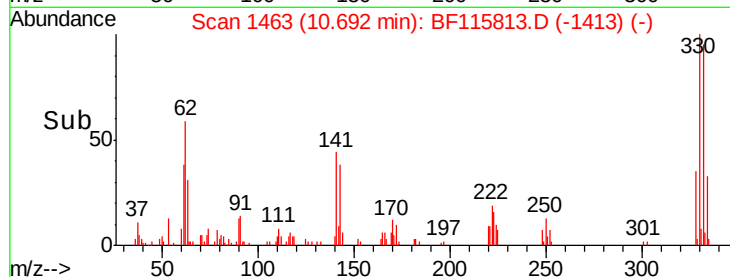
141 36.5 25.9 38.9



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: 15.970 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF115813.D

Acq: 27 Jul 2019 3:13

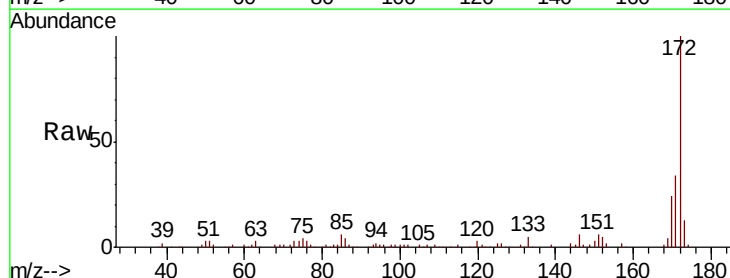
Tgt Ion:172 Resp: 186791

Ion Ratio Lower Upper

172 100

171 33.9 29.0 43.4

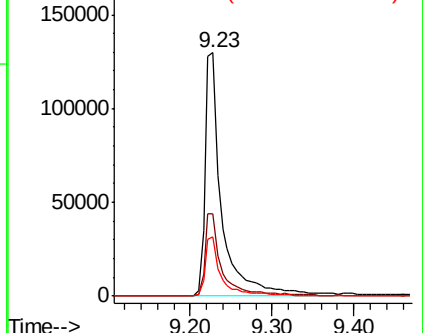
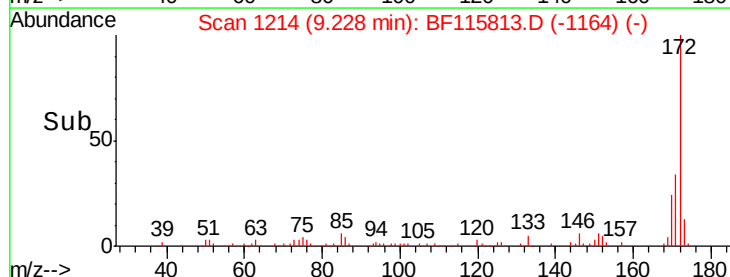
170 24.2 20.1 30.1

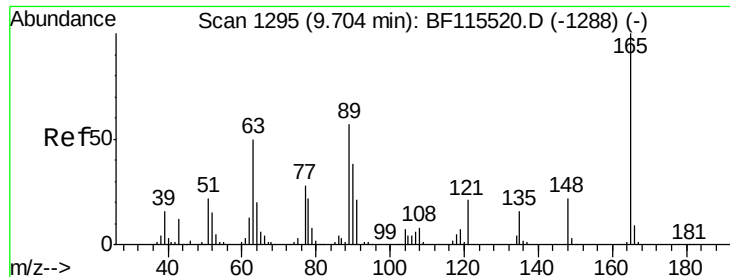


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

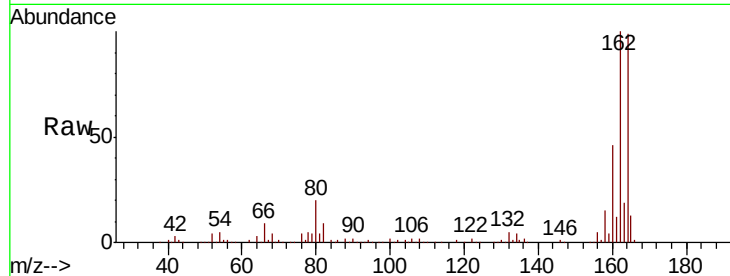




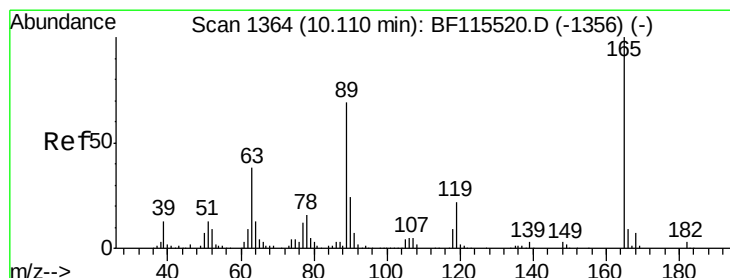
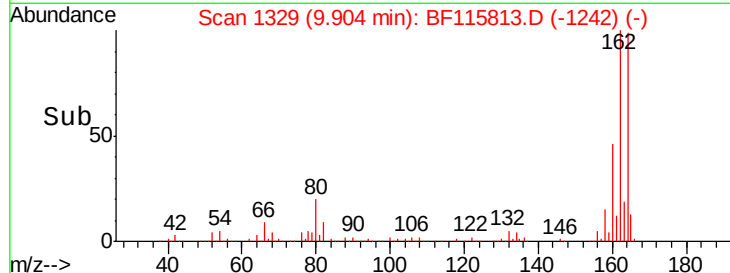
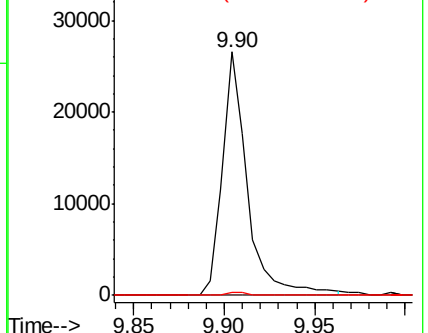
#51
2,6-Dinitrotoluene
Concen: 7.318 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.21 min
Lab File: BF115813.D
Acq: 27 Jul 2019 3:13

Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.5	65.3#
89	1.4	46.3	69.5#

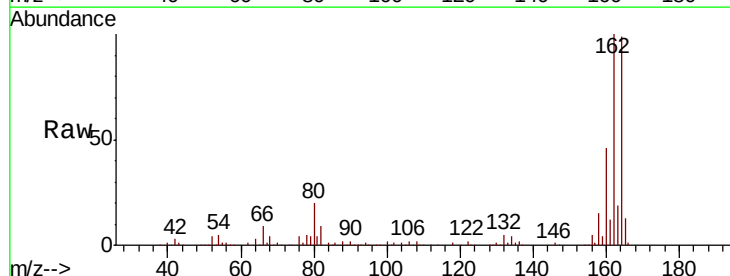


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

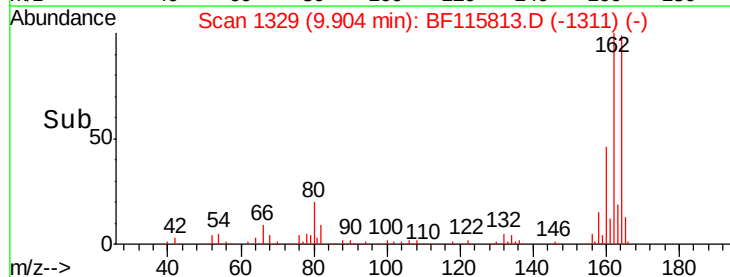
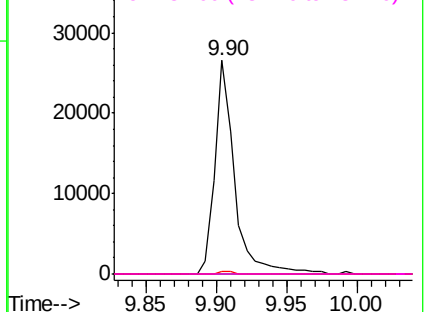


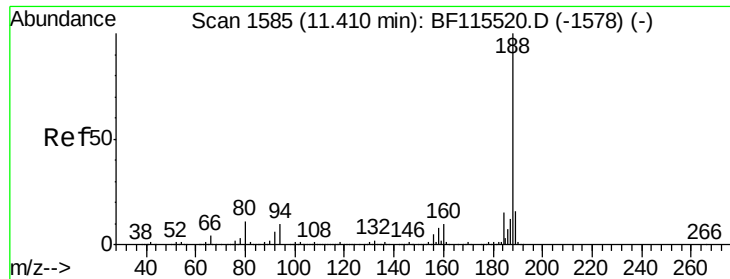
#57
2,4-Dinitrotoluene
Concen: 5.702 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.19 min
Lab File: BF115813.D
Acq: 27 Jul 2019 3:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.2#
89	1.4	57.3	85.9#
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: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF115813.D

Acq: 27 Jul 2019 3:13

Instrument :

BNA_F

ClientSampleId :

CL-02-072519-E

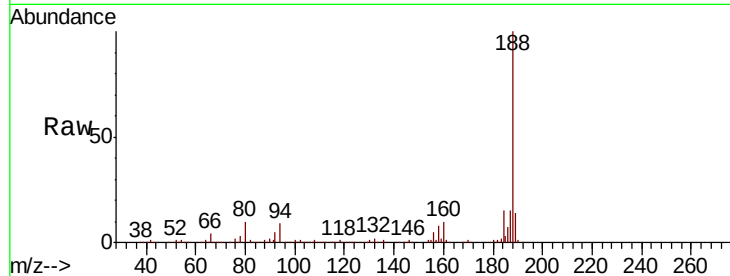
Tgt Ion:188 Resp: 320223

Ion Ratio Lower Upper

188 100

94 8.7 8.2 12.2

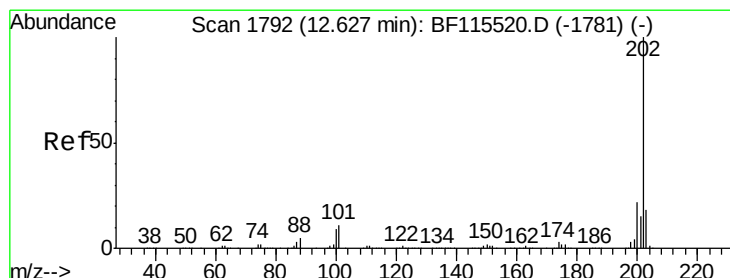
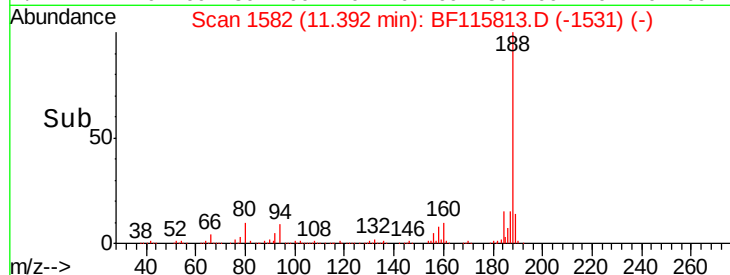
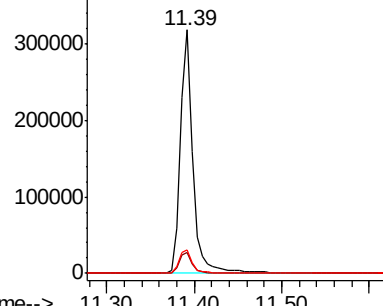
80 9.8 9.0 13.6



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



#75

Fluoranthene

Concen: 2.799 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF115813.D

Acq: 27 Jul 2019 3:13

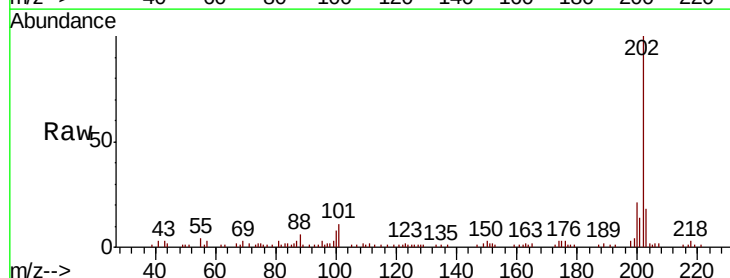
Tgt Ion:202 Resp: 48543

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.6

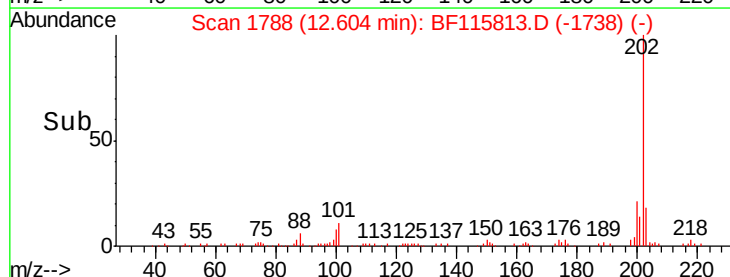
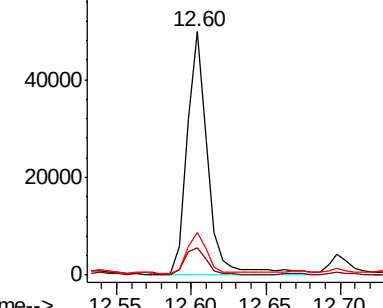
203 17.7 0.0 38.0

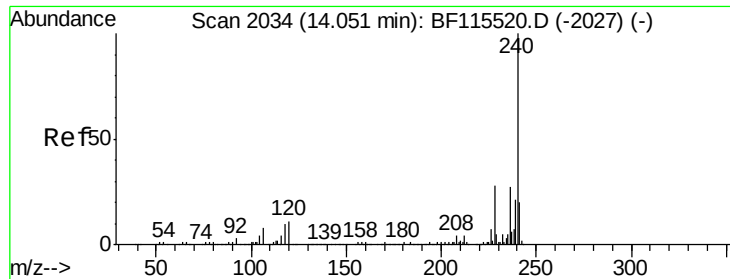


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

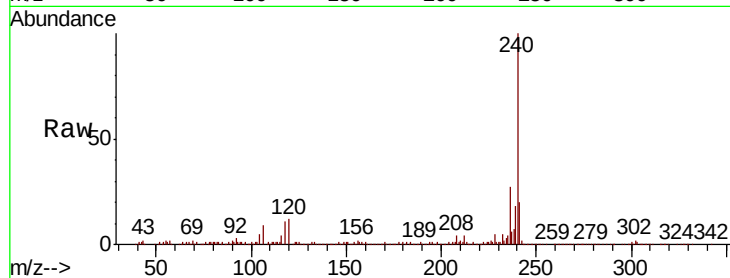




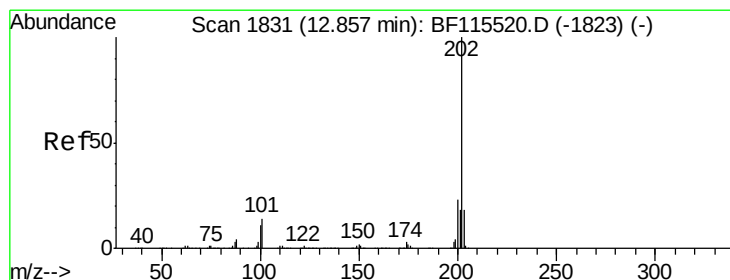
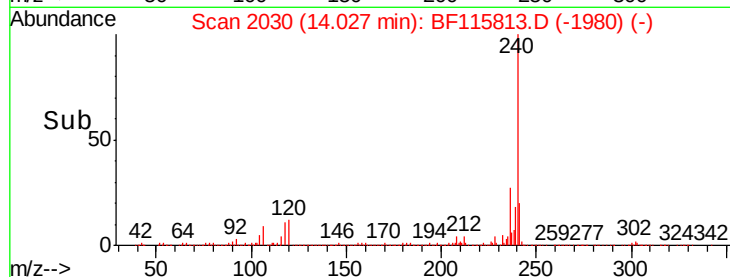
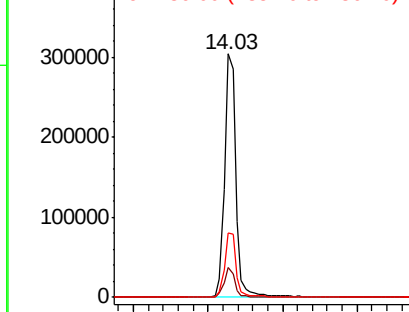
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF115813.D
Acq: 27 Jul 2019 3:13

Instrument :
BNA_F
ClientSampleId :
CL-02-072519-E

Tgt Ion:240 Resp: 320469
Ion Ratio Lower Upper
240 100
120 12.2 10.0 15.0
236 26.6 21.8 32.6

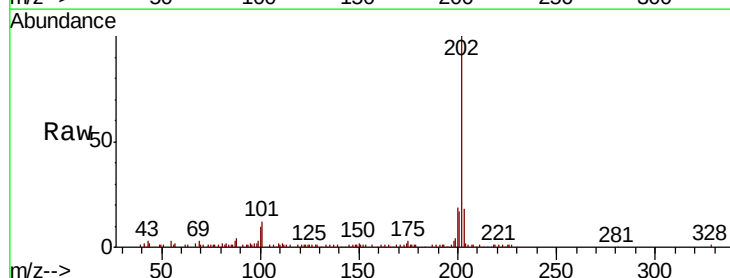


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

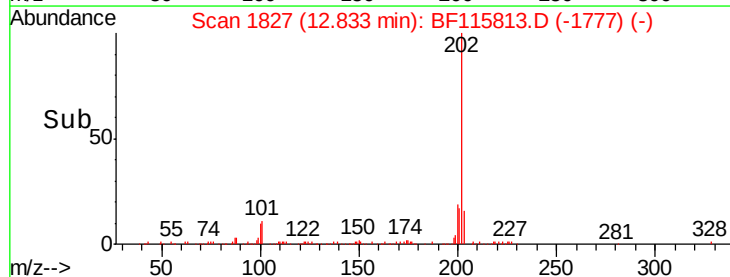
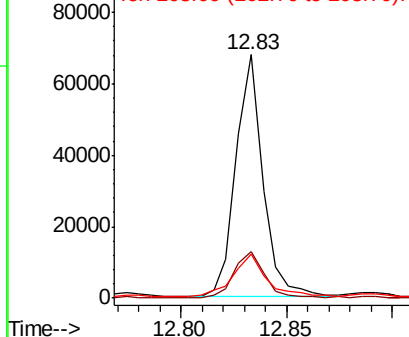


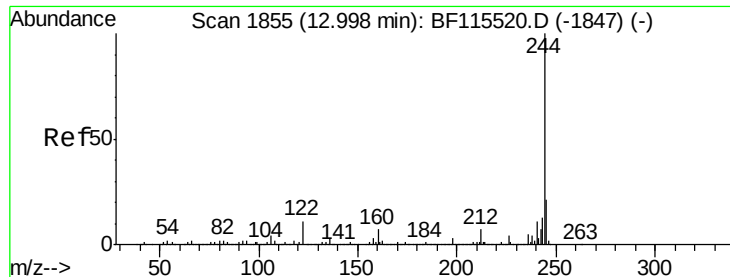
#78
Pyrene
Concen: 2.231 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF115813.D
Acq: 27 Jul 2019 3:13

Tgt Ion:202 Resp: 60573
Ion Ratio Lower Upper
202 100
200 19.0 18.2 27.4
203 17.8 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 10.679 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF115813.D

Acq: 27 Jul 2019 3:13

Instrument :

BNA_F

ClientSampleId :

CL-02-072519-E

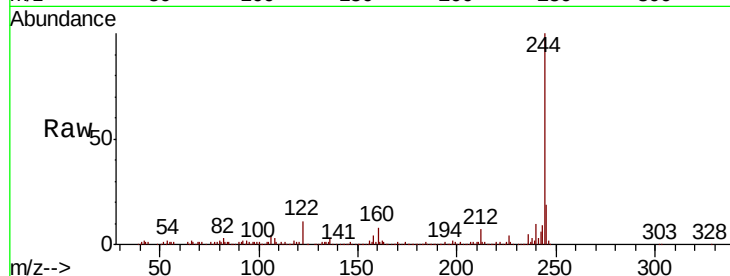
Tgt Ion:244 Resp: 185473

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

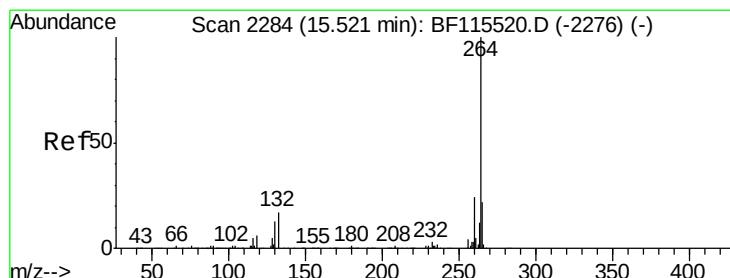
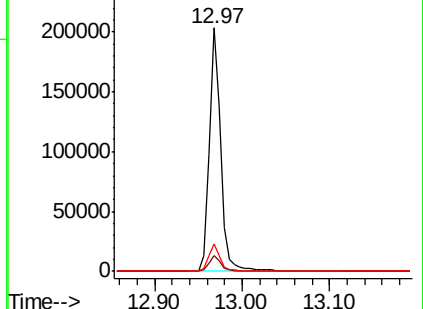
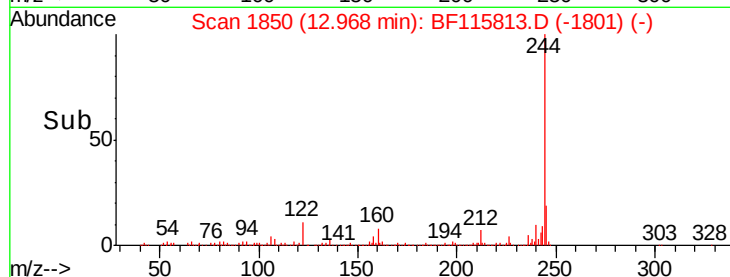
122 11.3 8.2 12.4



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: 15.50 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BF115813.D

Acq: 27 Jul 2019 3:13

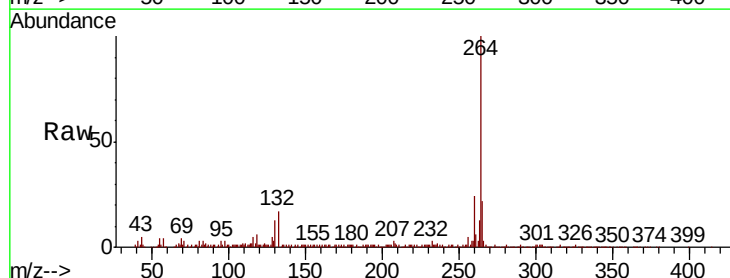
Tgt Ion:264 Resp: 304214

Ion Ratio Lower Upper

264 100

260 24.3 19.8 29.6

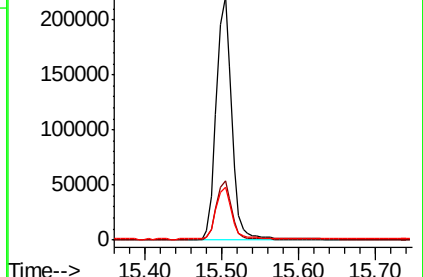
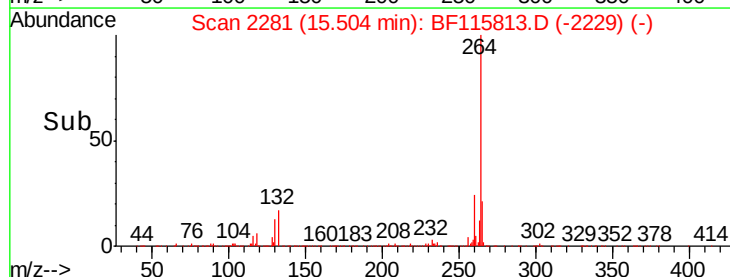
265 21.6 17.5 26.3

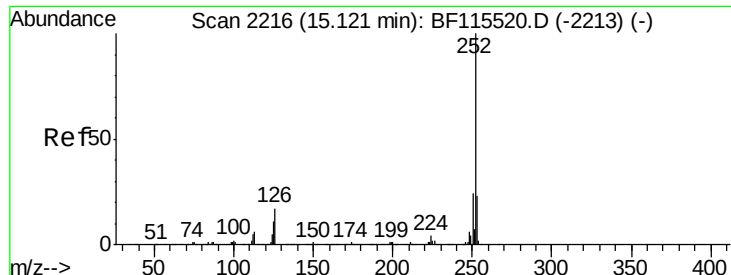


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(k)fluoranthene

Concen: 2.130 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.03 min

Lab File: BF115813.D

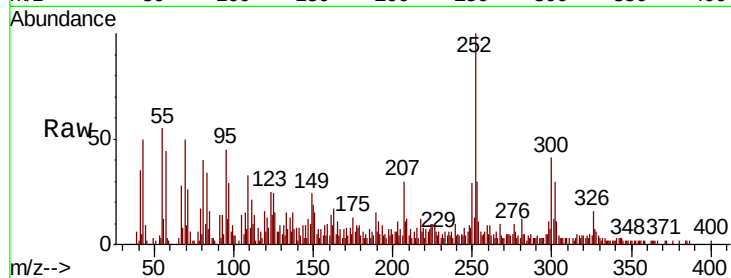
Acq: 27 Jul 2019 3:13

Instrument :

BNA_F

ClientSampleId :

CL-02-072519-E



Tgt Ion:	252	Resp:	37194
Ion Ratio	Lower	Upper	
252	100		
253	30.5	18.1	27.1#
125	23.7	8.6	13.0#

