

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\
 Data File : BF115512.D
 Acq On : 11 Jul 2019 23:21
 Operator : HP/JU
 Sample : K3740-02 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-22

Quant Time: Jul 12 03:17:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 10 16:47:05 2019
 Response via : Initial Calibration

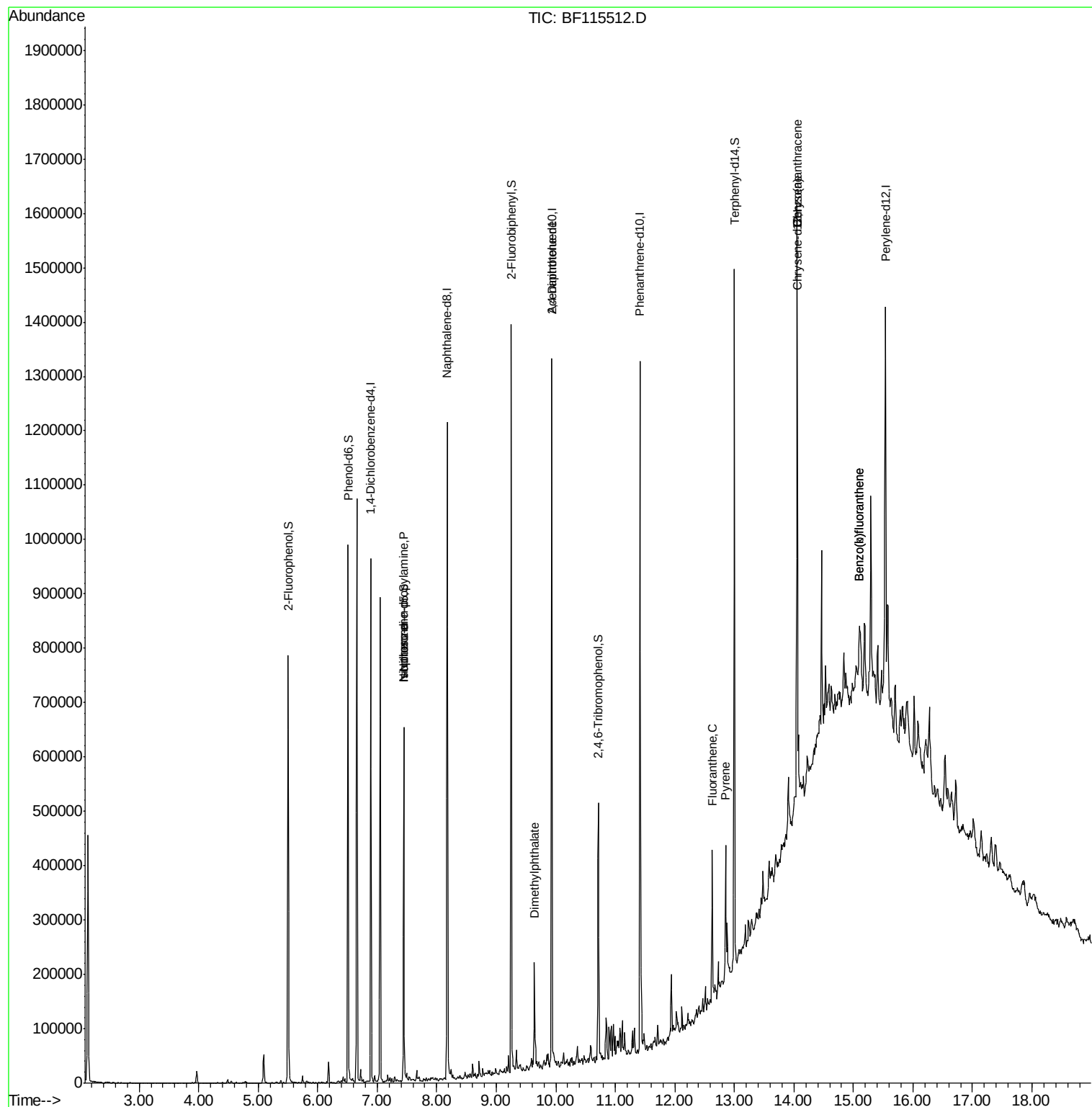
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	125652	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	520371	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	250823	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	443498	20.00	ng	0.00
76) Chrysene-d12	14.06	240	360629	20.00	ng	-0.01
87) Perylene-d12	15.54	264	359555	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	224189	27.57	ng	-0.01
7) Phenol-d6	6.51	99	316685	30.62	ng	-0.01
23) Nitrobenzene-d5	7.45	82	190968	21.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	61816	22.29	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	404587	28.30	ng	0.00
79) Terphenyl-d14	13.00	244	397162	22.55	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.46	77	480	Below Cal	Qvalue # 1	
19) n-Nitroso-di-n-propylamine	7.45	70	24726	3.534 ng	#	81
25) Isophorone	7.45	82	187763	9.836 ng	#	64
50) Dimethylphthalate	9.64	163	77589	4.121 ng		98
57) 2,4-Dinitrotoluene	9.93	165	33559	6.467 ng	#	24
75) Fluoranthene	12.63	202	102121	4.158 ng		97
78) Pyrene	12.86	202	98380	3.508 ng		98
81) Benzo(a)anthracene	14.04	228	49068	2.124 ng		96
83) Chrysene	14.04	228	49068	2.067 ng		96
86) Indeno(1,2,3-cd)pyrene	17.02	276	21459	Below Cal	#	92
88) Benzo(b)fluoranthene	15.10	252	80083	3.421 ng	#	77
89) Benzo(k)fluoranthene	15.10	252	80083	3.847 ng	#	77

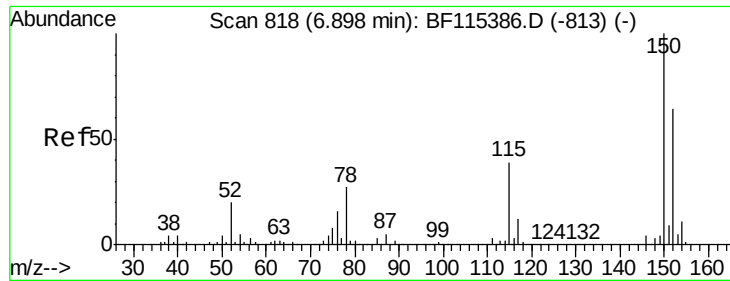
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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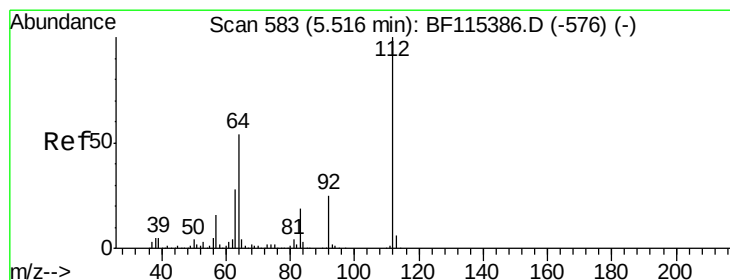
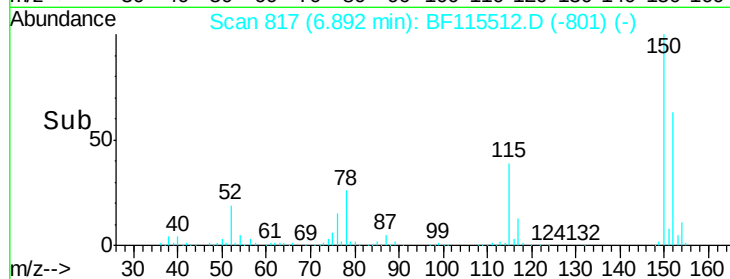
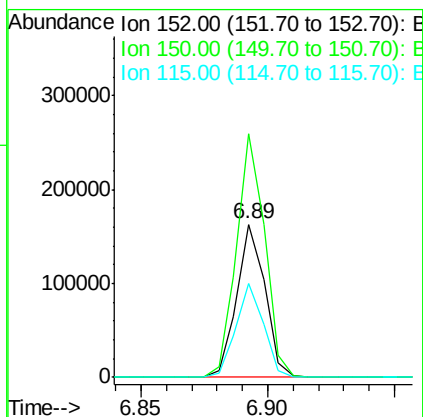
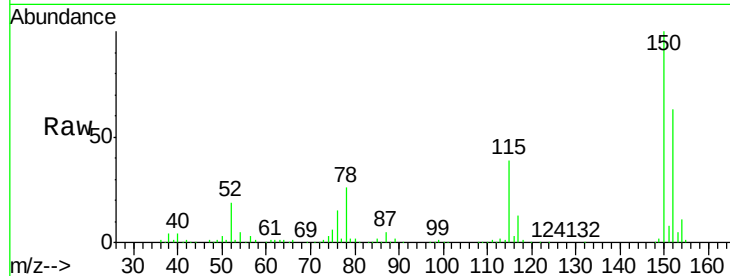




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF115512.D
 Acq: 11 Jul 2019 23:21

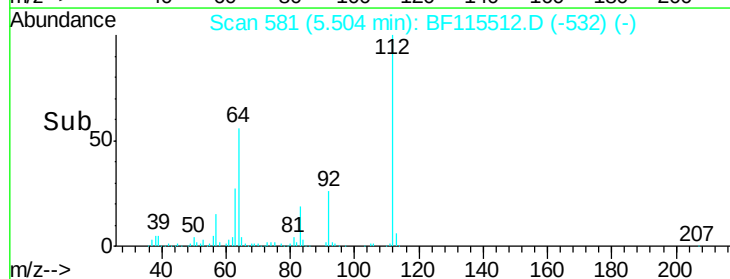
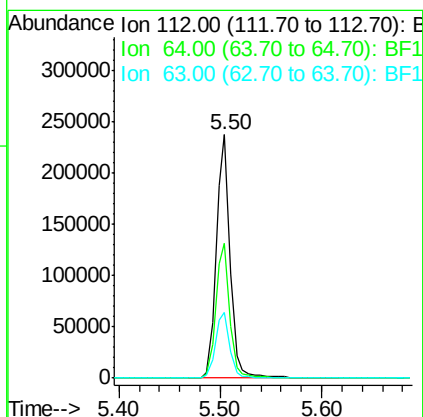
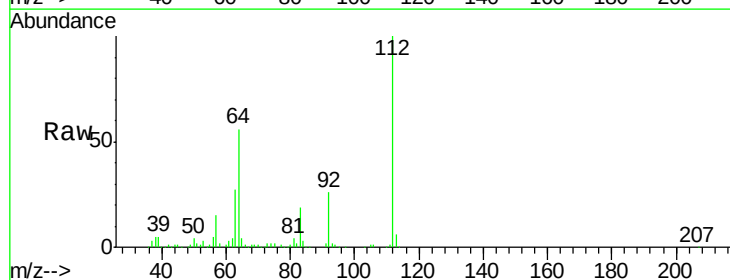
Instrument :
 BNA_F
 ClientSampleId :
 COMP-22

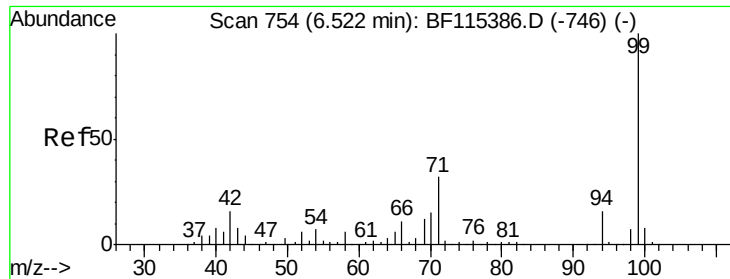
Tot Ion:152 Resp: 125652
 Ion Ratio Lower Upper
 152 100
 150 158.8 127.4 191.2
 115 61.2 46.2 69.4



#5
 2-Fluorophenol
 Concen: 27.567 ng
 RT: 5.50 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: BF115512.D
 Acq: 11 Jul 2019 23:21

Tgt Ion:112 Resp: 224189
 Ion Ratio Lower Upper
 112 100
 64 55.5 44.2 66.2
 63 27.2 22.1 33.1





#7

Phenol-d6

Concen: 30.618 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115512.D

Acq: 11 Jul 2019 23:21

Instrument :

BNA_F

ClientSampleId :

COMP-22

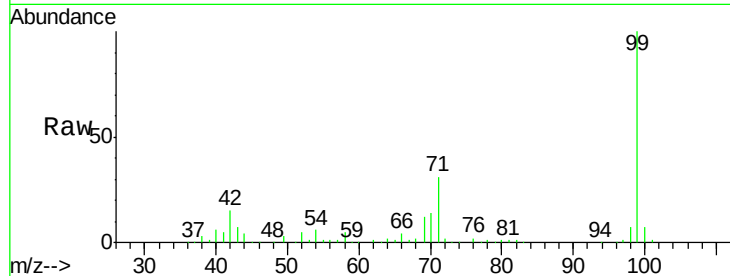
Tot Ion: 99 Resp: 316685

Ion Ratio Lower Upper

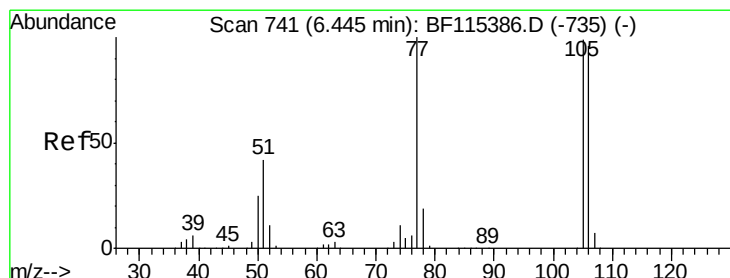
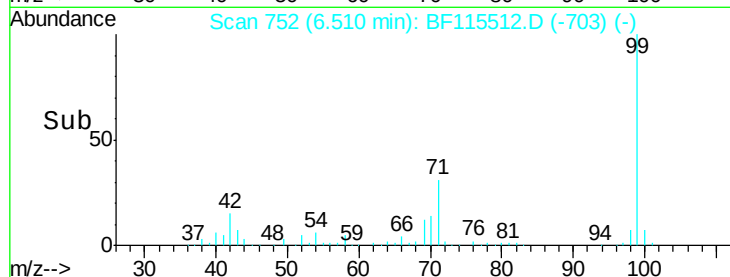
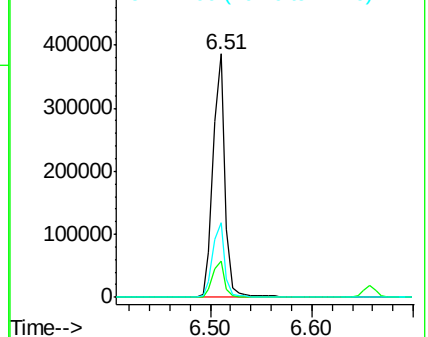
99 100

42 14.7 12.8 19.2

71 30.6 26.5 39.7



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF115512.D

Acq: 11 Jul 2019 23:21

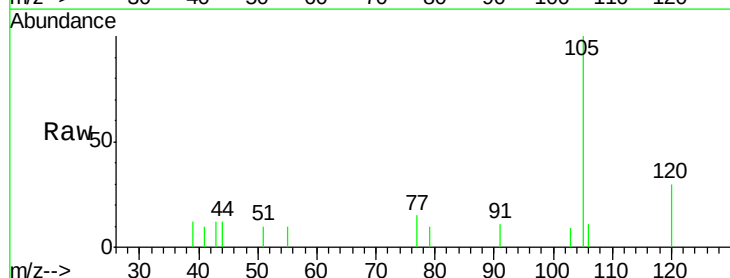
Tgt Ion: 77 Resp: 480

Ion Ratio Lower Upper

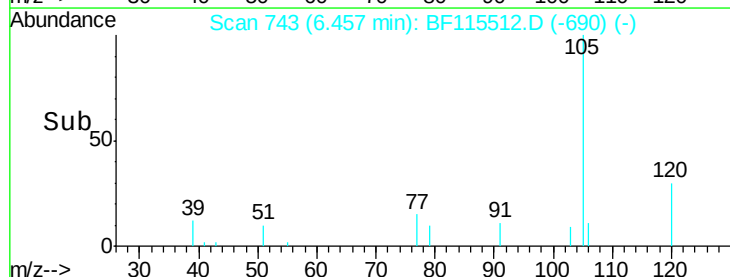
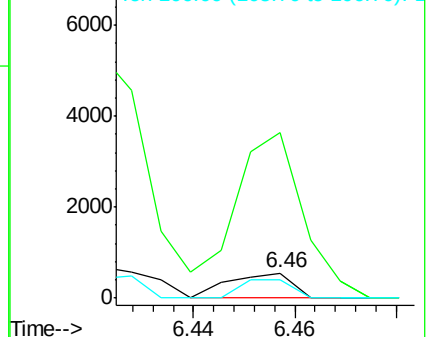
77 100

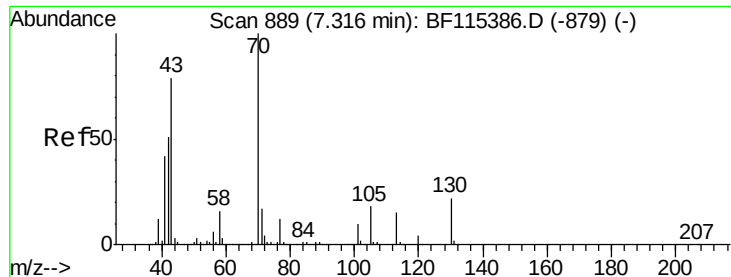
105 657.6 82.9 122.9#

106 70.6 77.8 117.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

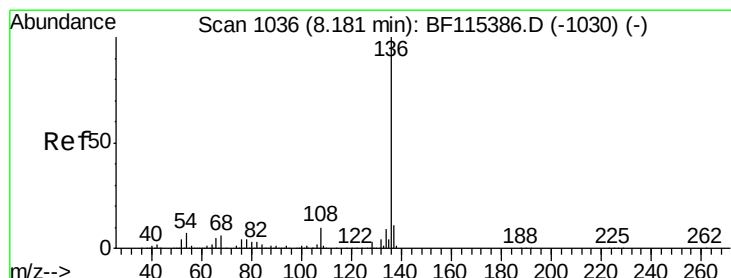
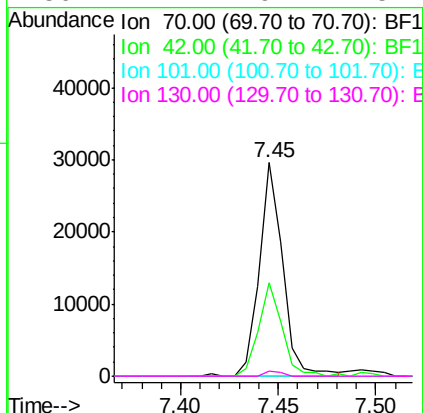
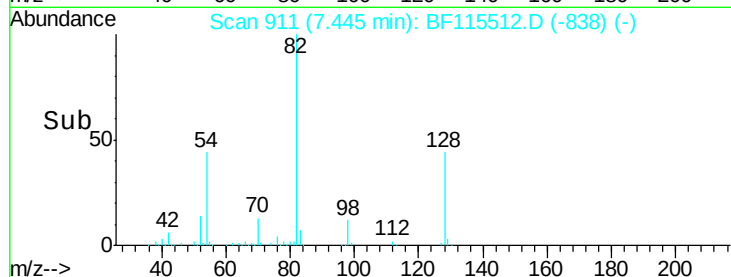
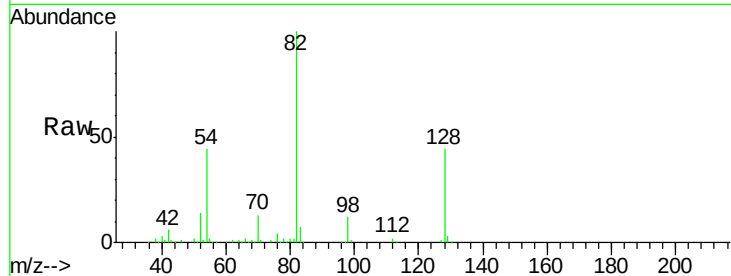




#19
n-Nitroso-di-n-propylamine
Concen: 3.534 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.13 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

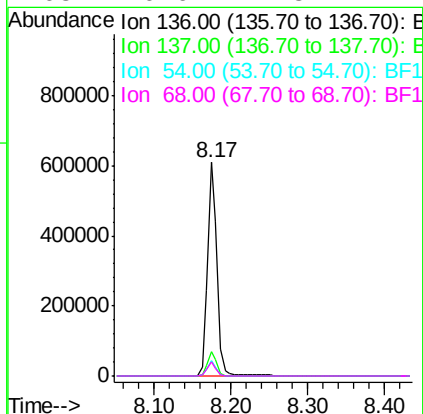
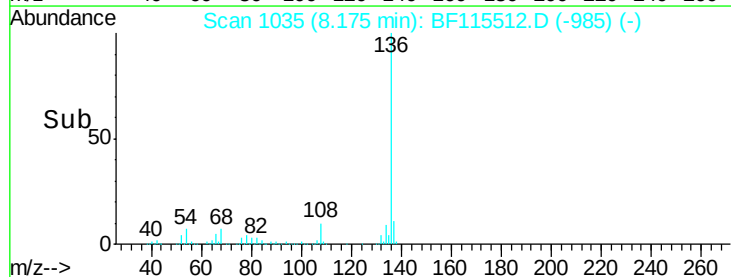
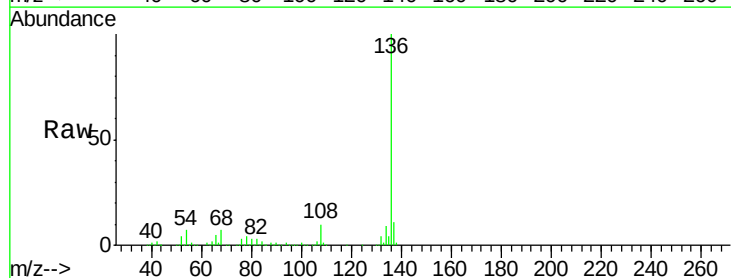
Instrument :
BNA_F
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COMP-22

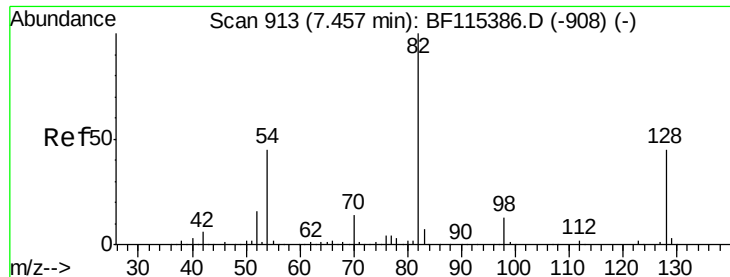
Tot Ion: 70 Resp: 24726
Ion Ratio Lower Upper
70 100
42 43.9 38.5 57.7
101 0.0 8.0 12.0#
130 2.7 19.1 28.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Tgt Ion: 136 Resp: 520371
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.9 5.4 8.0
68 6.6 4.8 7.2

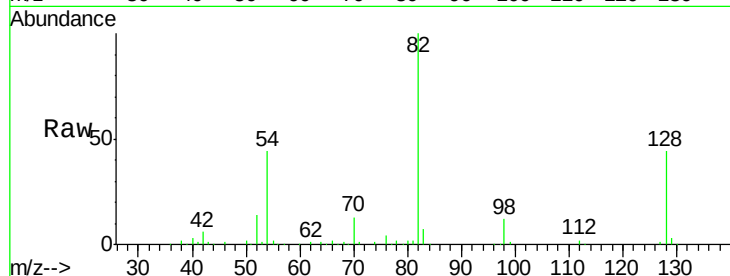




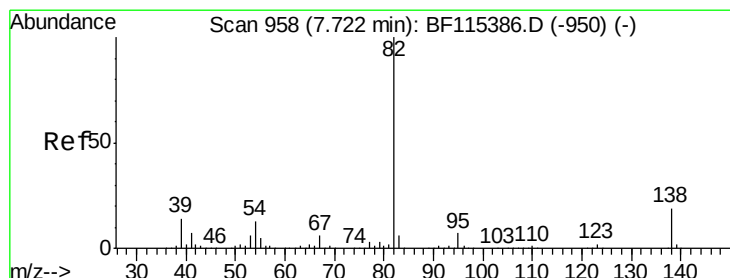
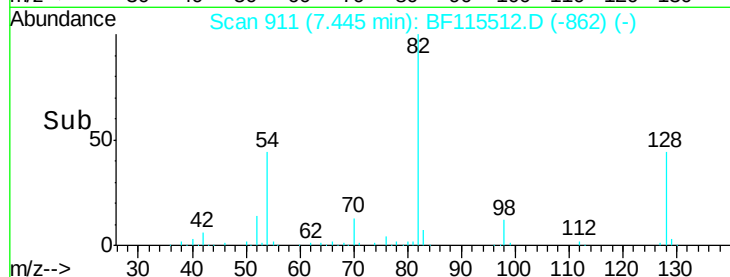
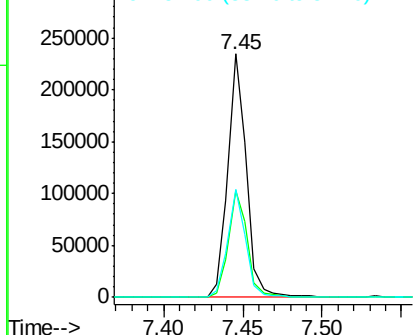
#23
 Nitrobenzene-d5
 Concen: 21.683 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF115512.D
 Acq: 11 Jul 2019 23:21

Instrument :
 BNA_F
 ClientSampleId :
 COMP-22

Tot Ion: 82 Resp: 190968
 Ion Ratio Lower Upper
 82 100
 128 43.6 36.7 55.1
 54 44.2 35.6 53.4

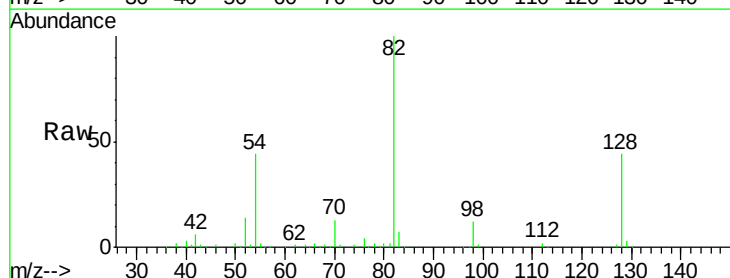


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

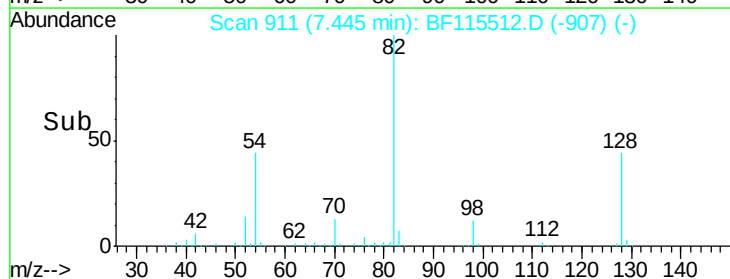
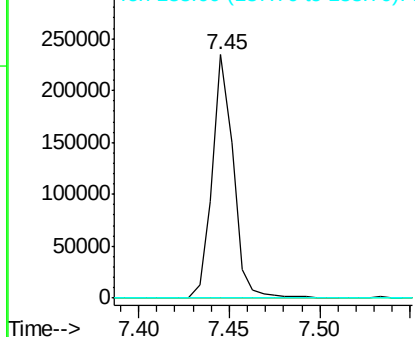


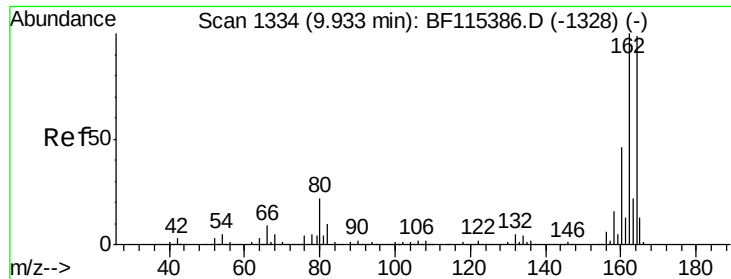
#25
 Isophorone
 Concen: 9.836 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.28 min
 Lab File: BF115512.D
 Acq: 11 Jul 2019 23:21

Tgt Ion: 82 Resp: 187763
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 15.1 22.7#



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

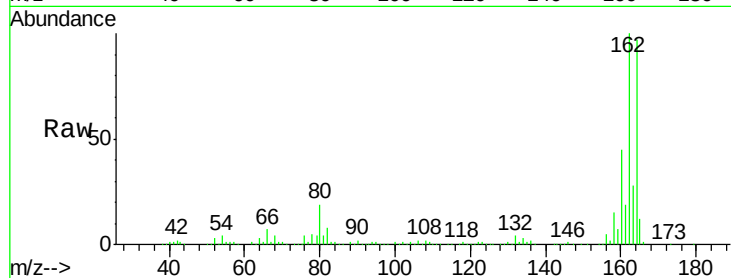




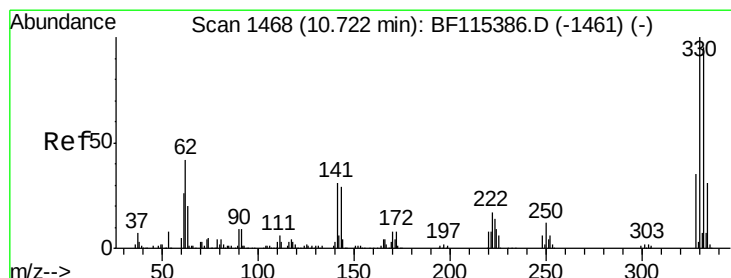
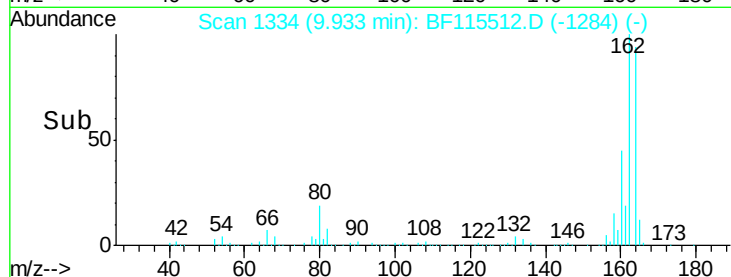
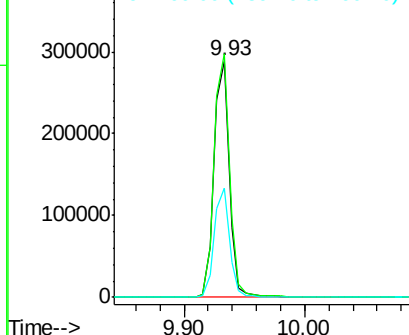
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Instrument :
BNA_F
ClientSampleId :
COMP-22

Tot Ion:164 Resp: 250823
Ion Ratio Lower Upper
164 100
162 103.1 82.3 123.5
160 46.1 37.2 55.8

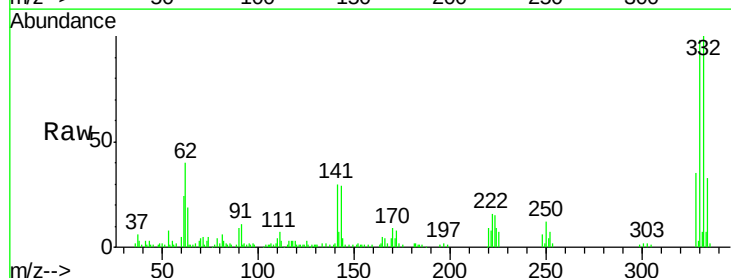


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

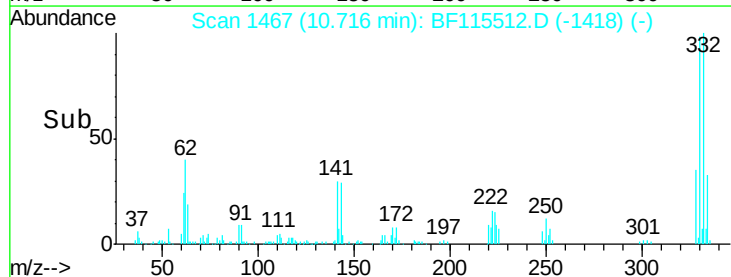
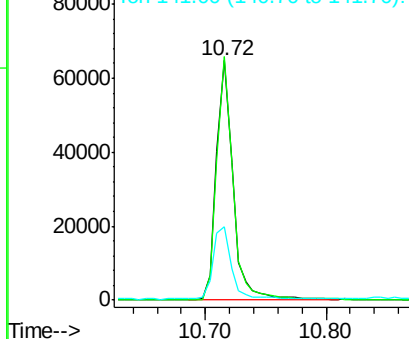


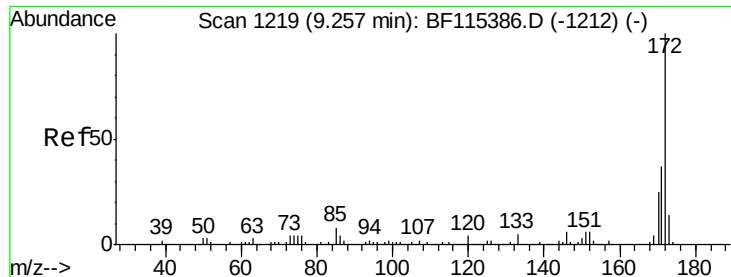
#42
2,4,6-Tribromophenol
Concen: 22.290 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Tgt Ion:330 Resp: 61816
Ion Ratio Lower Upper
330 100
332 99.1 77.4 116.0
141 32.3 24.7 37.1



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

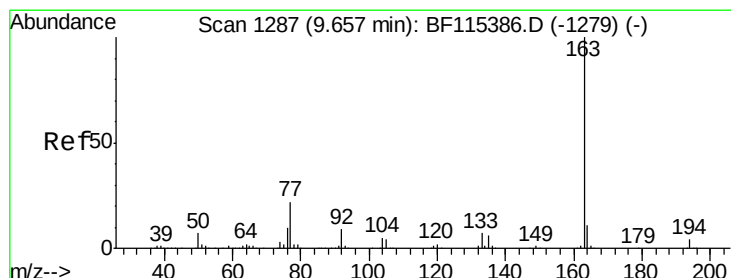
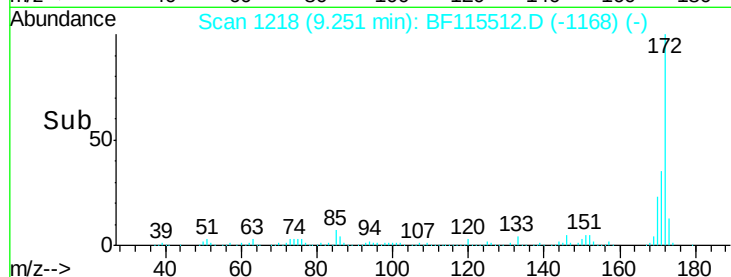
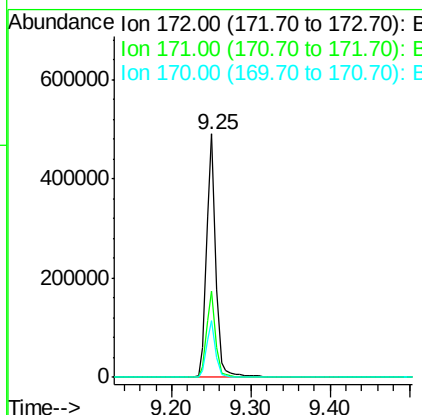
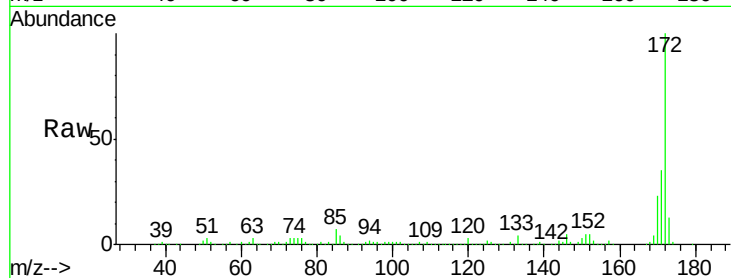




#45
2-Fluorobiphenyl
Concen: 28.305 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

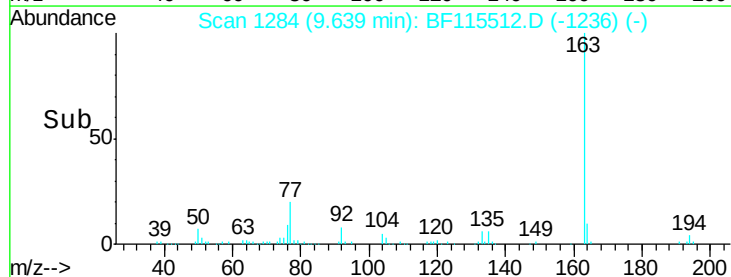
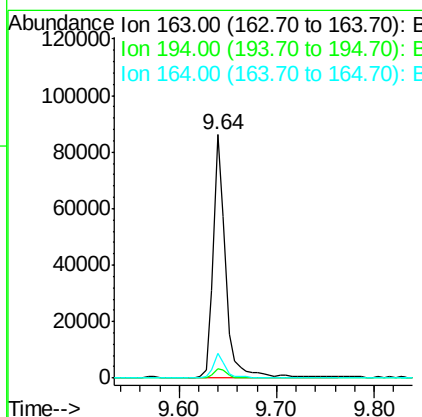
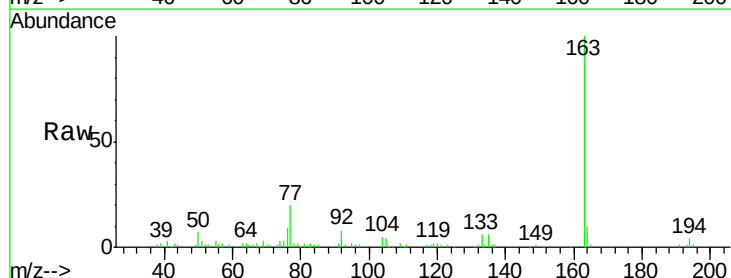
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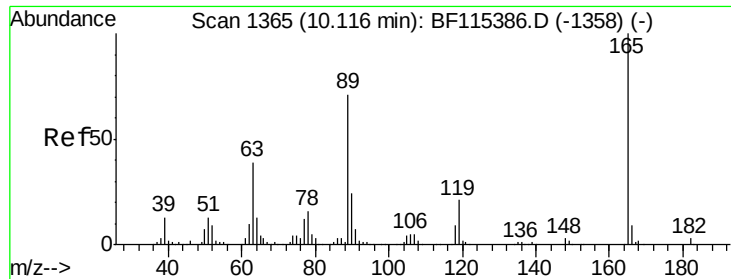
Tot Ion:172 Resp: 404587
Ion Ratio Lower Upper
172 100
171 35.3 29.8 44.8
170 23.3 20.0 30.0



#50
Dimethylphthalate
Concen: 4.121 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Tgt Ion:163 Resp: 77589
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.9 8.6 13.0

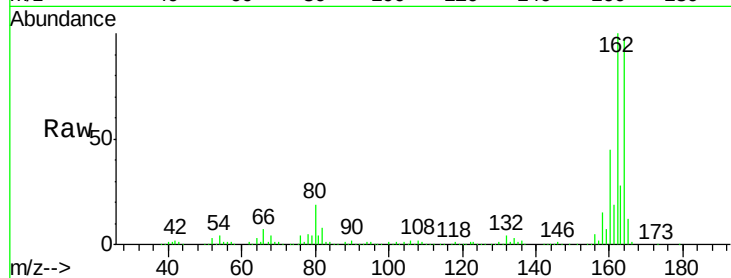




#57
2,4-Dinitrotoluene
Concen: 6.467 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.18 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Instrument :
BNA_F
ClientSampleId :
COMP-22

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	33.0	49.4#
89	1.5	58.5	87.7#
182	0.0	2.1	3.1#

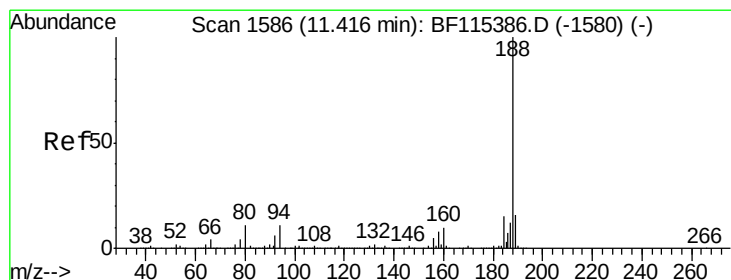
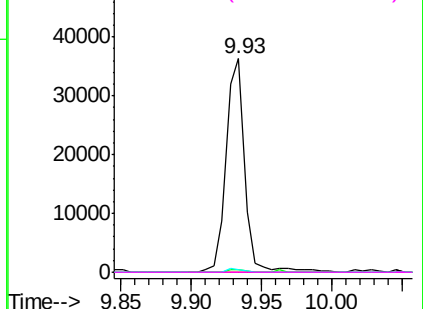
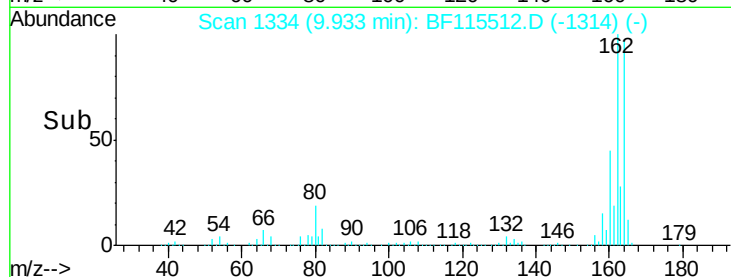


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

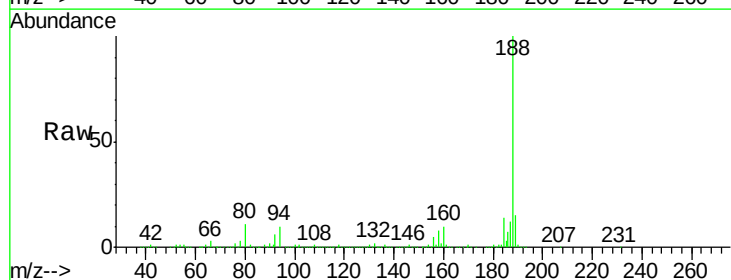
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

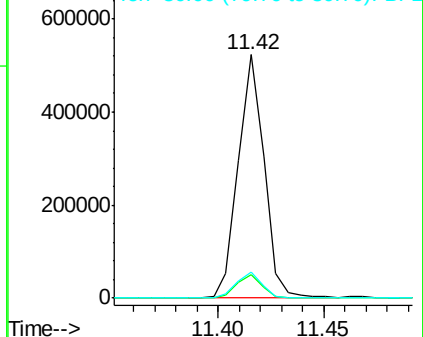
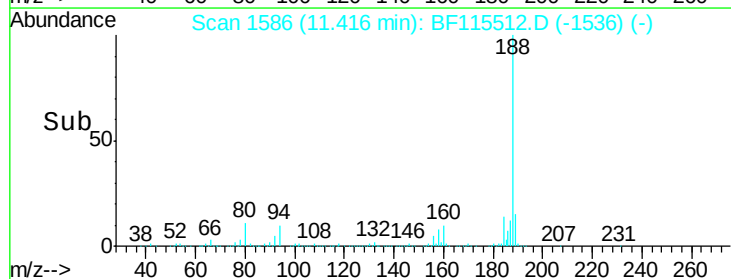
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.8	11.8
80	10.8	8.4	12.6

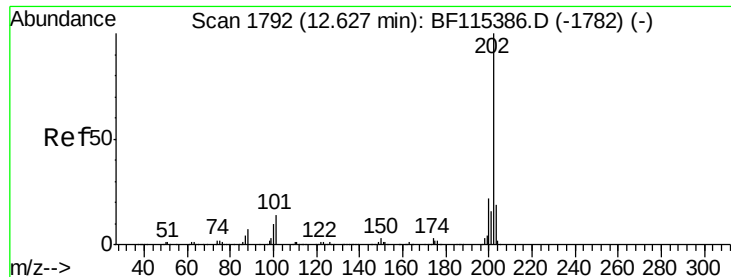


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 4.158 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF115512.D

Acq: 11 Jul 2019 23:21

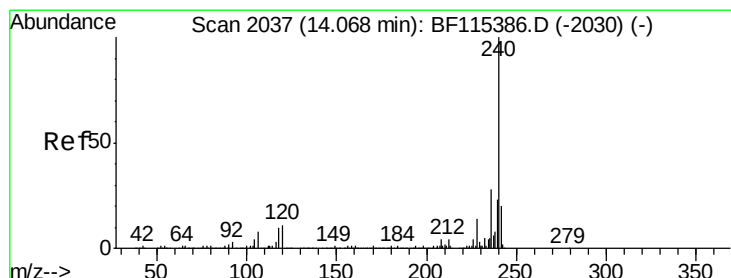
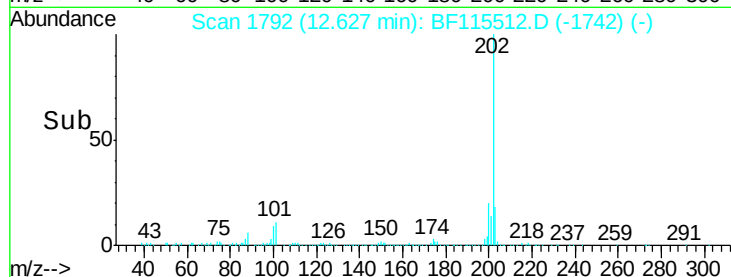
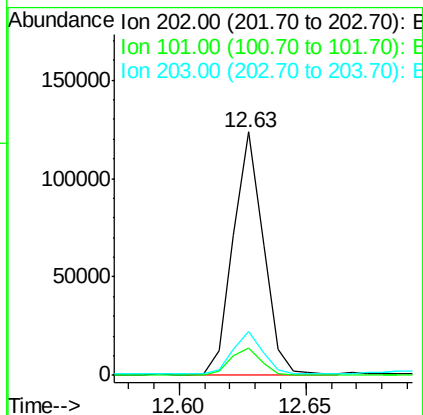
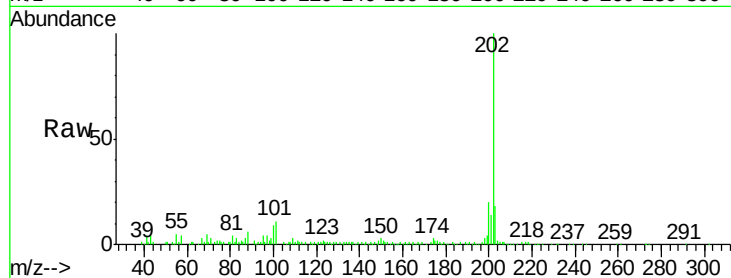
Instrument :

BNA_F

ClientSampleId :

COMP-22

Tot Ion:	202	Resp:	102121
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	33.9
203	18.3	0.0	38.4



#76

Chrysene-d12

Concen: 20.000 ng

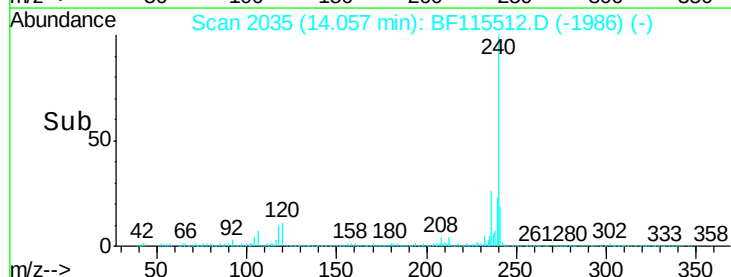
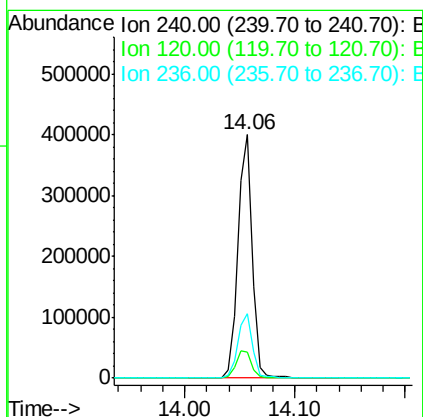
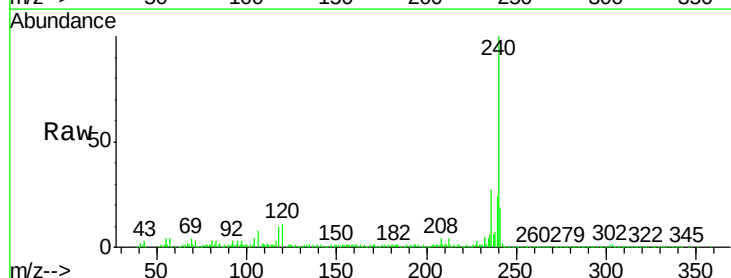
RT: 14.06 min Scan# 2035

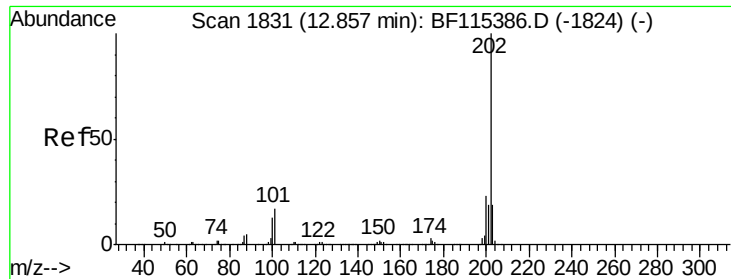
Delta R.T. -0.01 min

Lab File: BF115512.D

Acq: 11 Jul 2019 23:21

Tgt Ion:	240	Resp:	360629
Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.2	15.4
236	26.5	21.1	31.7

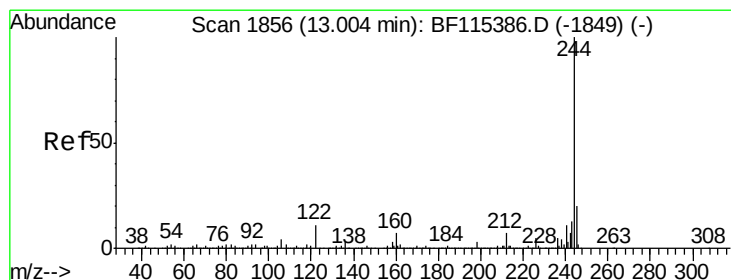
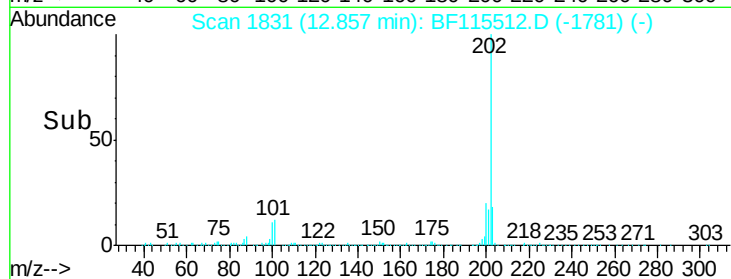
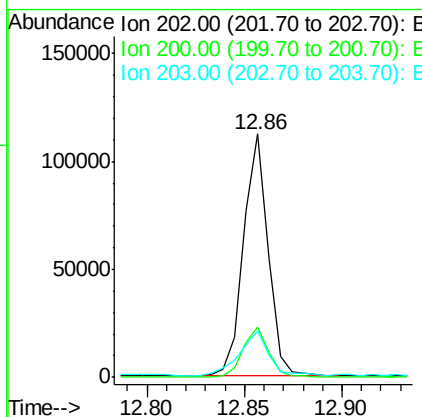
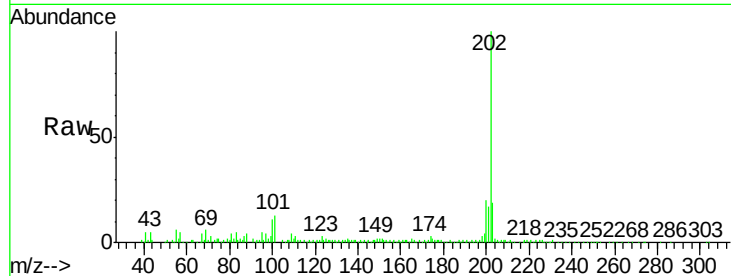




#78
Pvrene
Concen: 3.508 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

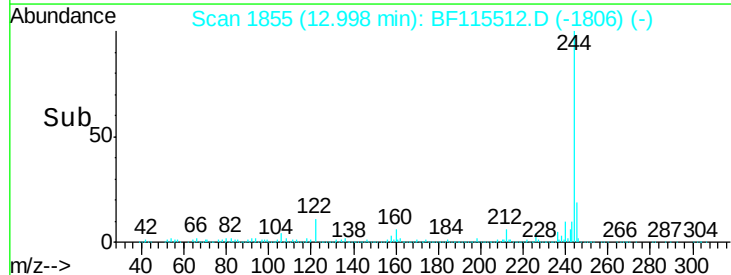
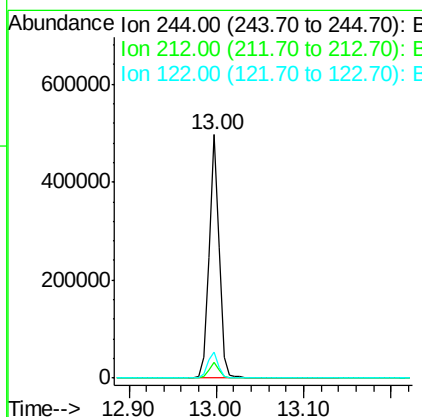
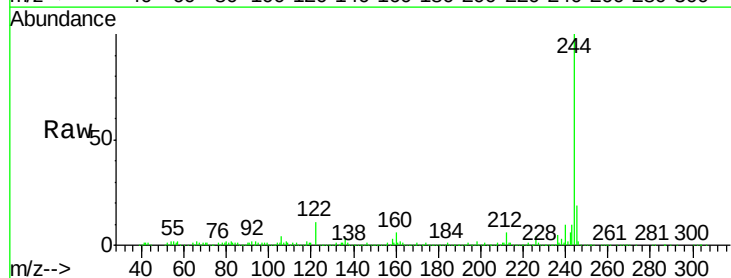
Instrument :
BNA_F
ClientSampleId :
COMP-22

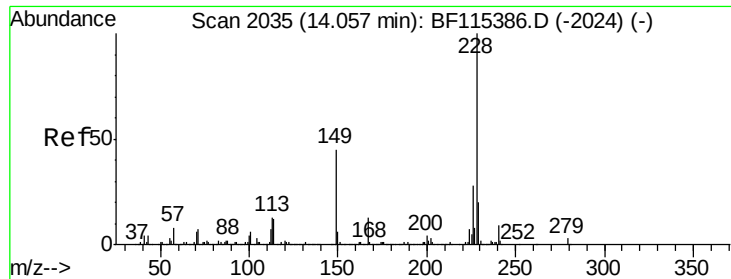
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	19.1	14.7	22.1



#79
Terphenyl-d14
Concen: 22.549 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	10.7	9.1	13.7

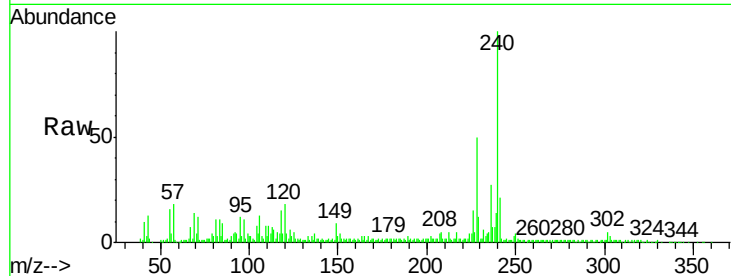




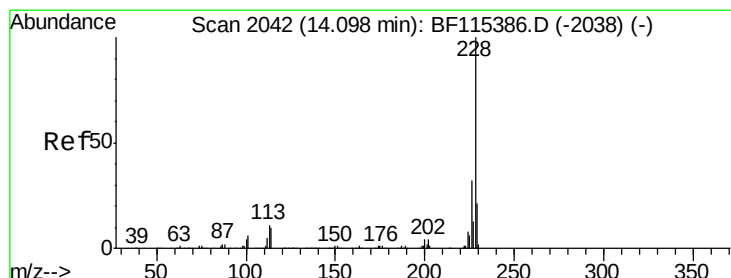
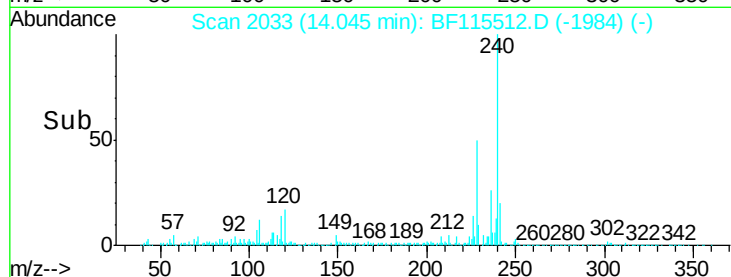
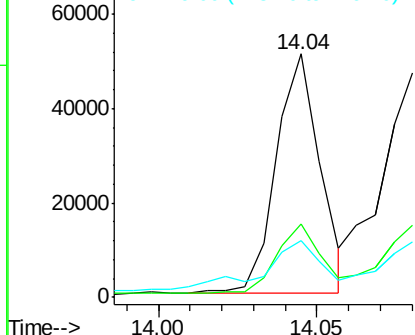
#81
Benzo(a)anthracene
Concen: 2.124 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Instrument :
BNA_F
ClientSampleId :
COMP-22

Tot Ion:228 Resp: 49068
Ion Ratio Lower Upper
228 100
226 30.0 22.6 34.0
229 23.1 16.4 24.6

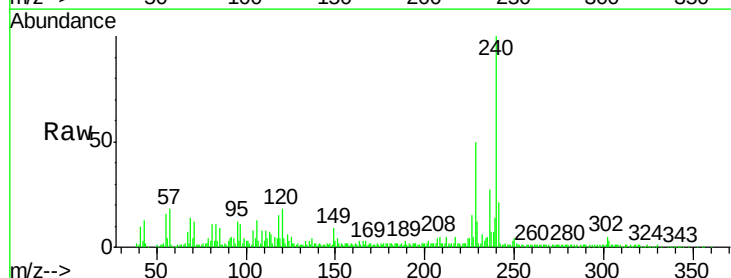


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

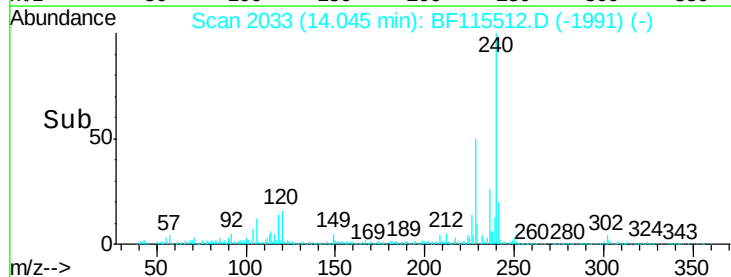
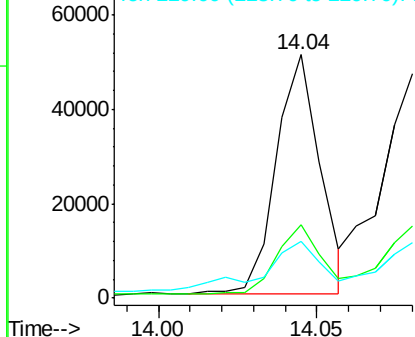


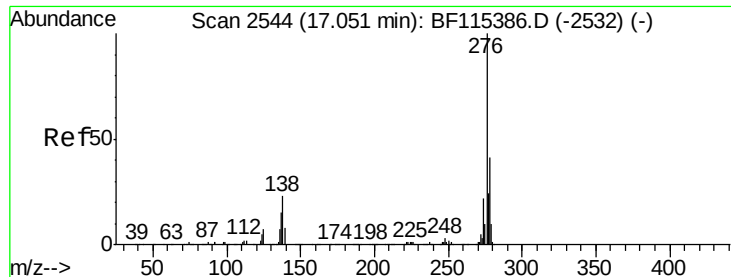
#83
Chrysene
Concen: 2.067 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.05 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Tgt Ion:228 Resp: 49068
Ion Ratio Lower Upper
228 100
226 30.0 25.1 37.7
229 23.1 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

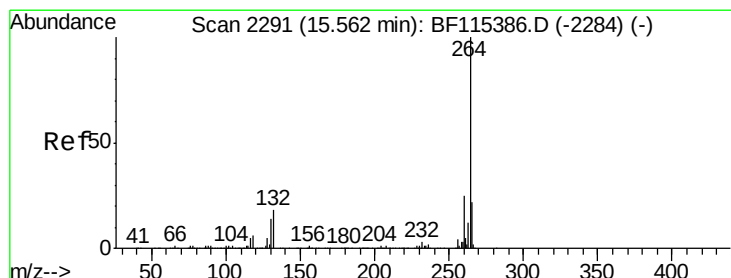
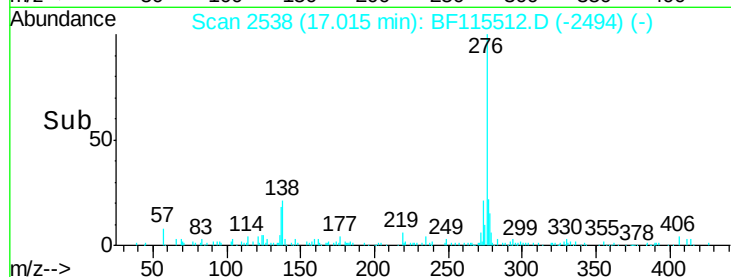
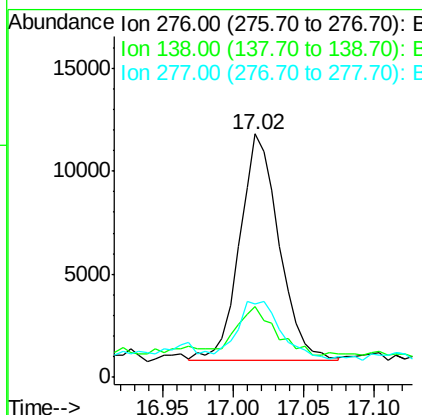
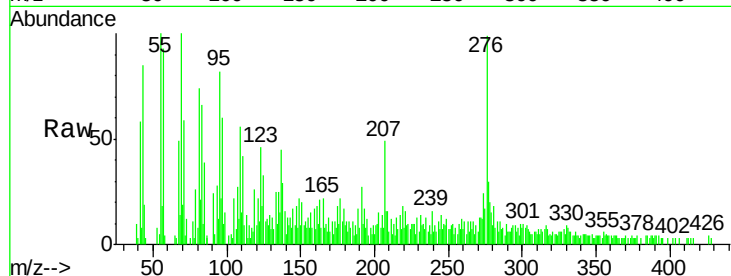




#86
 Indeno(1,2,3-cd)pyrene
 Concen: Below Cal
 RT: 17.02 min Scan# 2538
 Delta R.T. -0.04 min
 Lab File: BF115512.D
 Acq: 11 Jul 2019 23:21

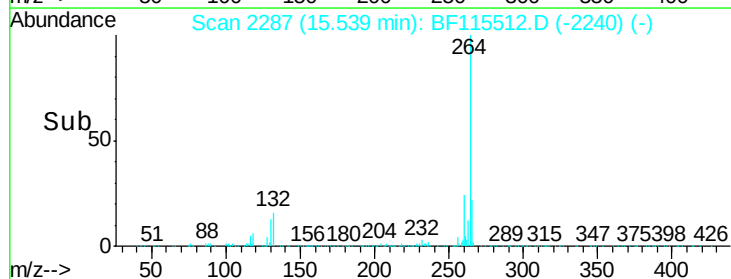
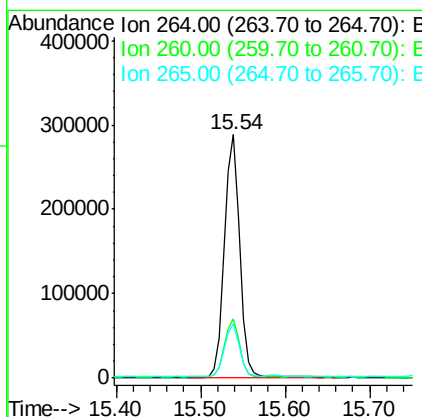
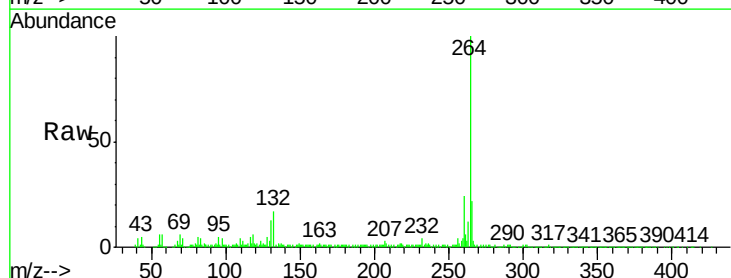
Instrument :
 BNA_F
 ClientSampleId :
 COMP-22

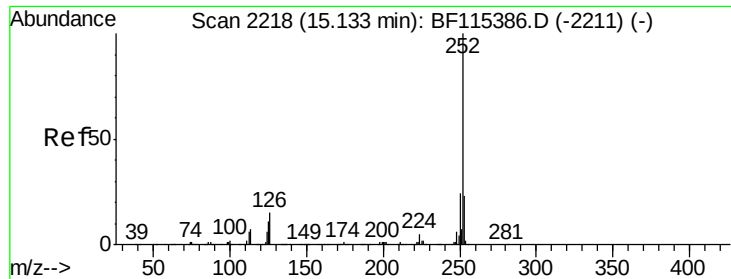
Tot Ion:276 Resp: 21459
 Ion Ratio Lower Upper
 276 100
 138 20.6 20.6 31.0#
 277 28.1 20.2 30.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.02 min
 Lab File: BF115512.D
 Acq: 11 Jul 2019 23:21

Tgt Ion:264 Resp: 359555
 Ion Ratio Lower Upper
 264 100
 260 24.1 20.1 30.1
 265 22.0 17.8 26.6

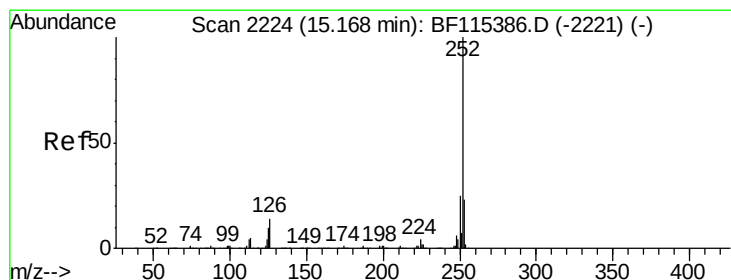
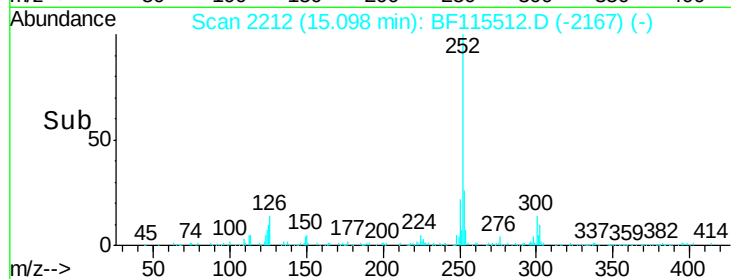
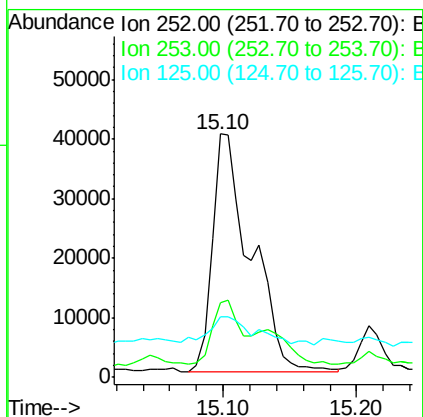
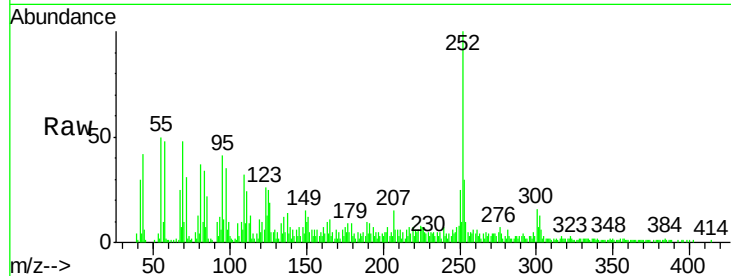




#88
Benzo(b)fluoranthene
Concen: 3.421 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.04 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Instrument :
BNA_F
ClientSampled :
COMP-22

Tot Ion:252 Resp: 80083
Ion Ratio Lower Upper
252 100
253 30.5 18.0 27.0#
125 24.7 8.5 12.7#



#89
Benzo(k)fluoranthene
Concen: 3.847 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.06 min
Lab File: BF115512.D
Acq: 11 Jul 2019 23:21

Tgt Ion:252 Resp: 80083
Ion Ratio Lower Upper
252 100
253 30.5 18.0 27.0#
125 24.7 8.6 13.0#

