

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
 Data File : BF116215.D
 Acq On : 13 Aug 2019 3:17
 Operator : HP/JU
 Sample : K4245-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-25

Quant Time: Aug 13 07:06:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	119953	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	464687	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	237921	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	347573	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	268743	20.00	ng	0.00
87) Perylene-d12	15.47	264	238499	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	699458	97.62	ng	-0.01
7) Phenol-d6	6.47	99	942196	104.22	ng	-0.01
23) Nitrobenzene-d5	7.40	82	590660	73.37	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	172112	74.61	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	962318	75.76	ng	-0.01
79) Terphenyl-d14	12.94	244	858590	67.32	ng	-0.01

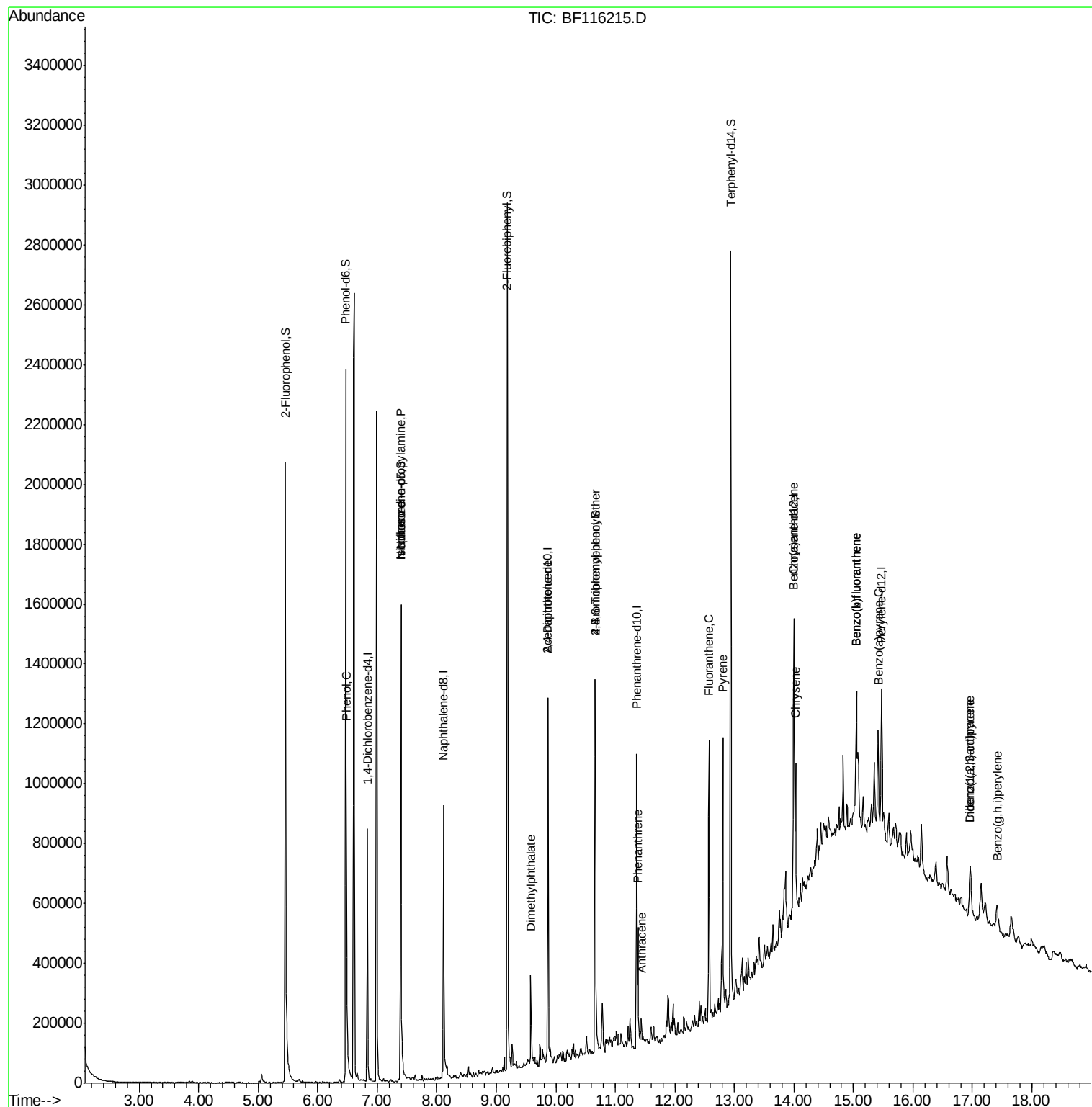
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	39594	3.719	ng	90
19) n-Nitroso-di-n-propylamine	7.40	70	76126	13.589	ng	# 79
25) Isophorone	7.40	82	590656	38.371	ng	# 65
50) Dimethylphthalate	9.58	163	110632	6.829	ng	99
57) 2,4-Dinitrotoluene	9.87	165	31783	6.781	ng	# 21
67) 4-Bromophenyl-phenylether	10.66	248	10034	2.697	ng	# 1
71) Phenanthrene	11.38	178	141237	7.949	ng	99
72) Anthracene	11.44	178	51853	2.883	ng	97
75) Fluoranthene	12.57	202	362095	19.465	ng	99
78) Pyrene	12.80	202	351506	17.351	ng	99
81) Benzo(a)anthracene	13.99	228	232534	13.537	ng	98
83) Chrysene	14.03	228	204755	12.278	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	82055	5.858	ng	95
88) Benzo(b)fluoranthene	15.05	252	326396	23.669	ng	# 91
89) Benzo(k)fluoranthene	15.05	252	326396	24.300	ng	# 91
90) Benzo(a)pyrene	15.42	252	160867	13.049	ng	# 93
91) Dibenzo(a,h)anthracene	16.96	278	21425	2.008	ng	# 62
92) Benzo(g,h,i)perylene	17.41	276	77137	7.361	ng	92

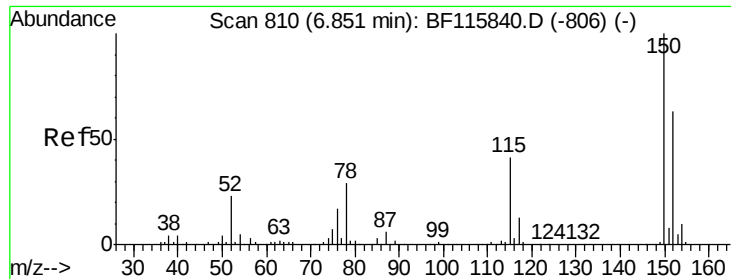
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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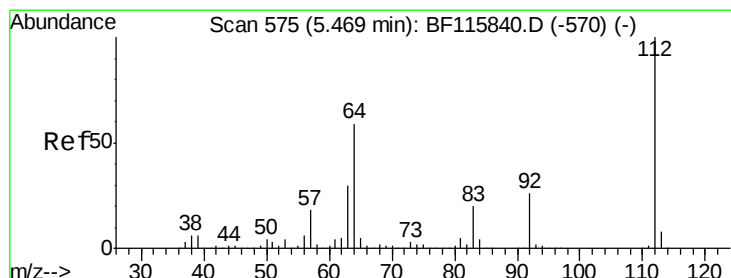
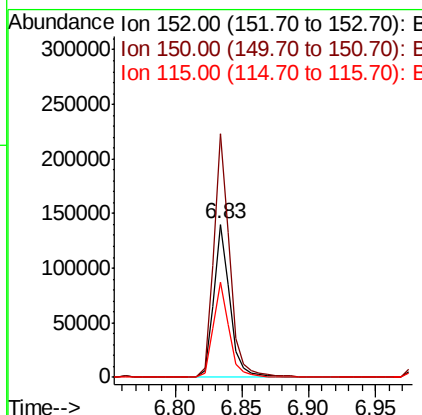
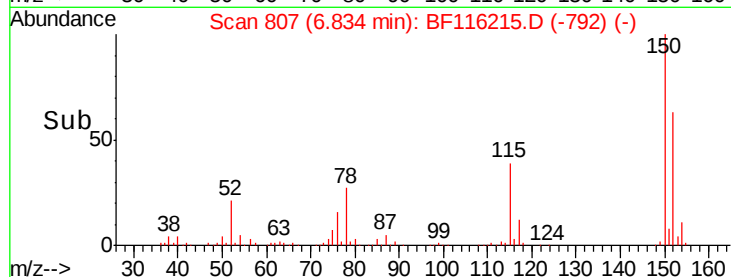
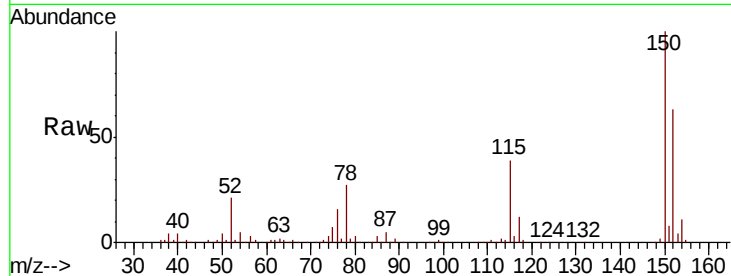


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116215.D
 Acq: 13 Aug 2019 3:17

Instrument :
 BNA_F
 ClientSampleId :
 COMP-25

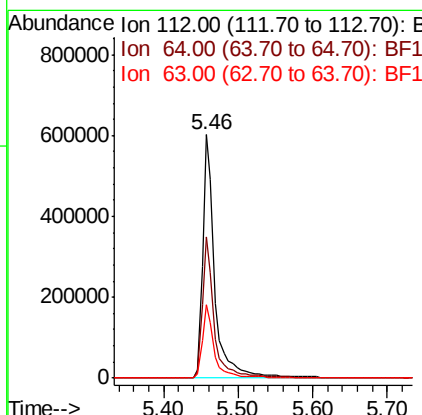
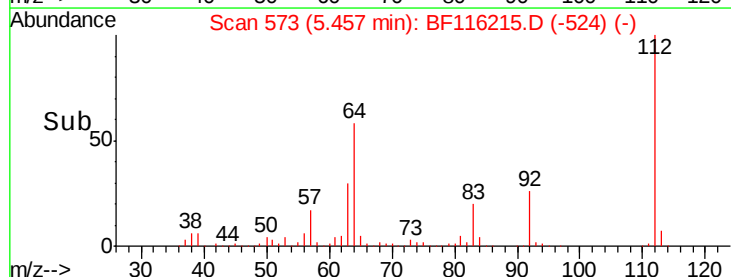
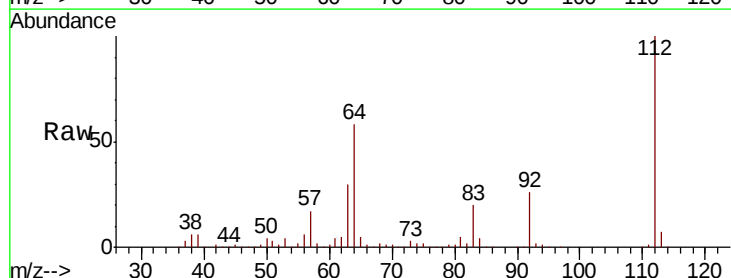
Tot Ion:152 Resp: 119953
 Ion Ratio Lower Upper
 152 100
 150 159.1 126.2 189.2
 115 62.0 49.9 74.9

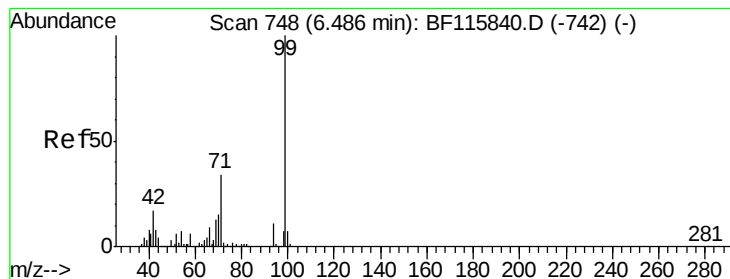


#5

2-Fluorophenol
 Concen: 97.616 ng
 RT: 5.46 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF116215.D
 Acq: 13 Aug 2019 3:17

Tgt Ion:112 Resp: 699458
 Ion Ratio Lower Upper
 112 100
 64 58.1 45.4 68.2
 63 30.3 23.7 35.5





#7

Phenol-d6

Concen: 104.221 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116215.D

Acq: 13 Aug 2019 3:17

Instrument :

BNA_F

ClientSampleId :

COMP-25

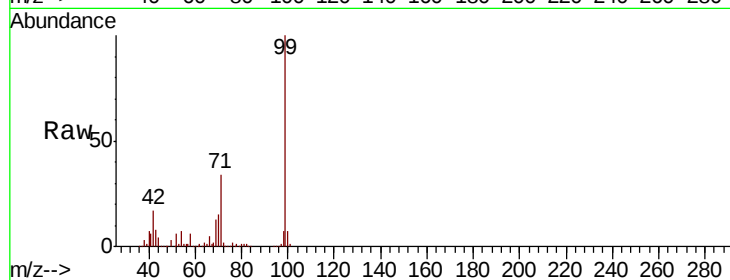
Tot Ion: 99 Resp: 942196

Ion Ratio Lower Upper

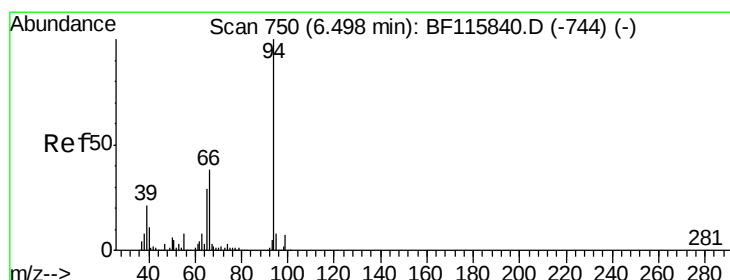
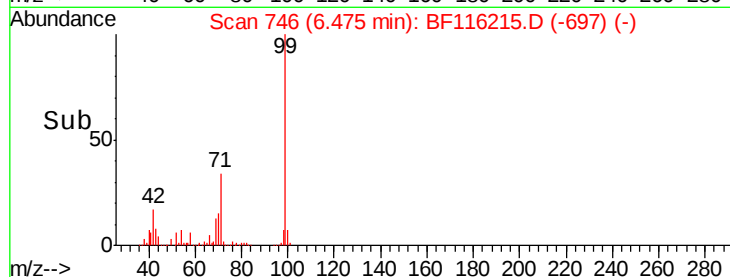
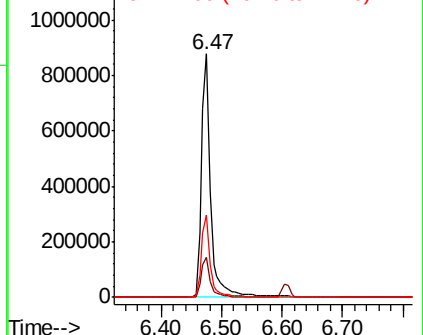
99 100

42 16.7 13.8 20.8

71 33.6 27.3 40.9



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: 3.719 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF116215.D

Acq: 13 Aug 2019 3:17

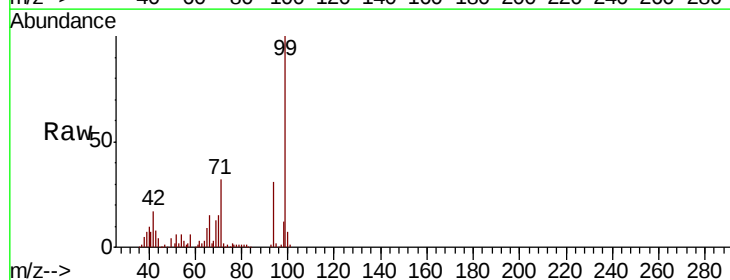
Tgt Ion: 94 Resp: 39594

Ion Ratio Lower Upper

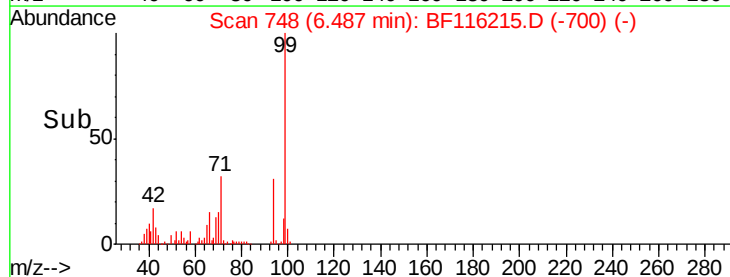
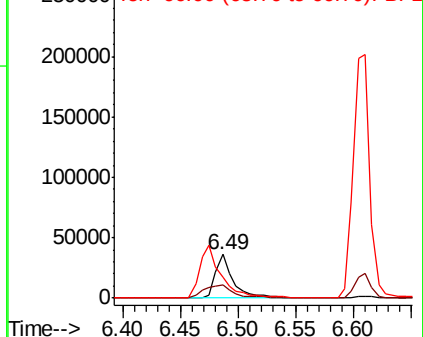
94 100

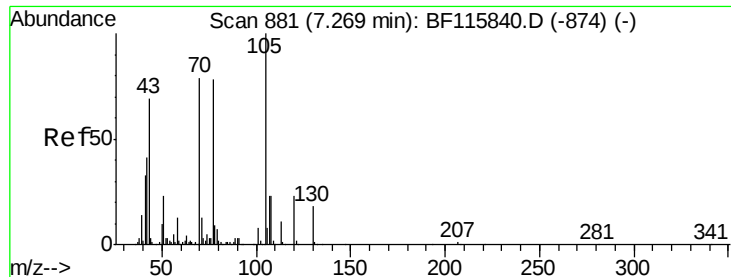
65 29.2 16.8 56.8

66 48.2 34.2 74.2



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

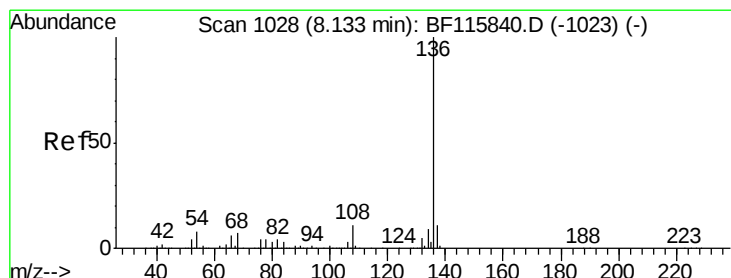
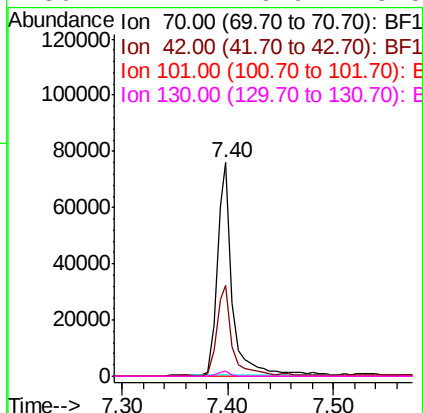
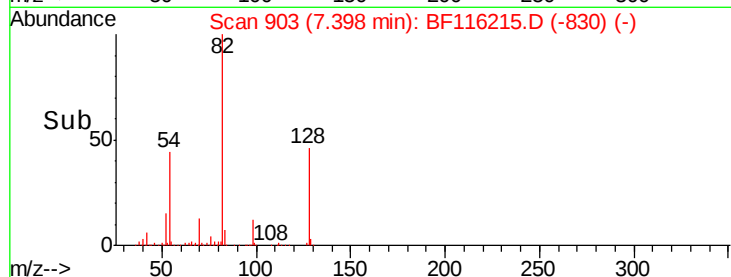
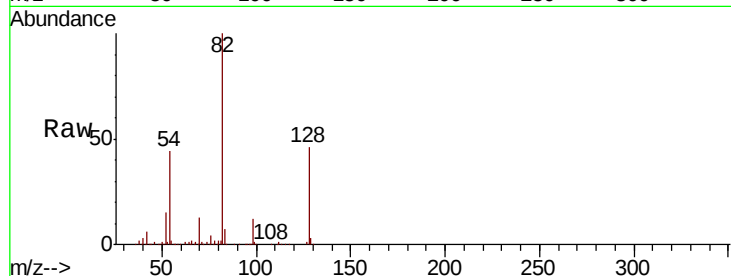




#19
n-Nitroso-di-n-propylamine
Concen: 13.589 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.13 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

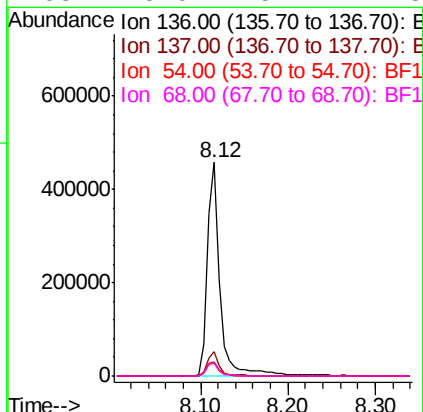
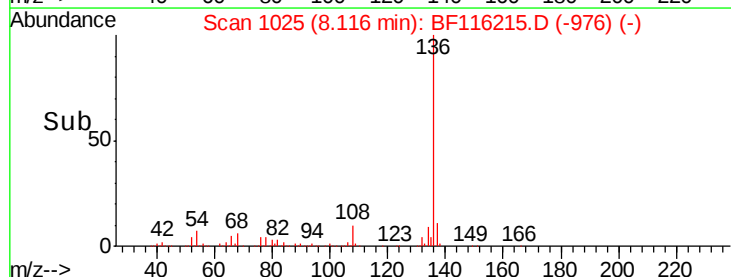
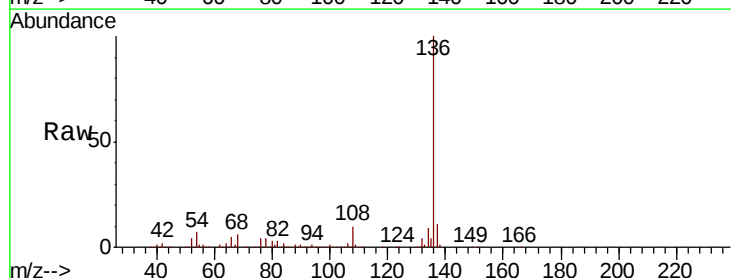
Instrument :
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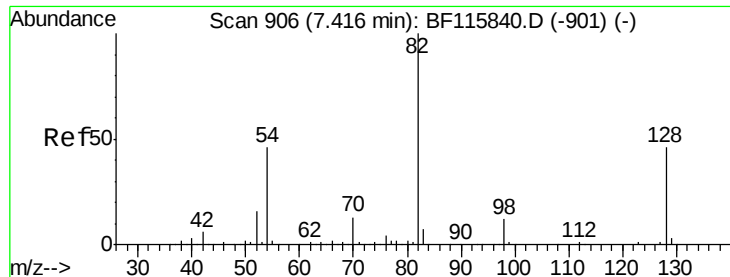
Tot Ion:	70	Resp:	76126
Ion	Ratio	Lower	Upper
70	100		
42	42.6	40.9	61.3
101	0.0	7.9	11.9#
130	2.1	16.9	25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion:	136	Resp:	464687
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.9	5.8	8.6
68	6.0	5.2	7.8





#23

Nitrobenzene-d5

Concen: 73.371 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116215.D

Acq: 13 Aug 2019 3:17

Instrument :

BNA_F

ClientSampleId :

COMP-25

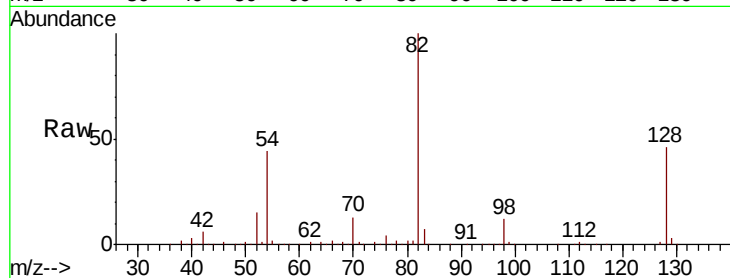
Tot Ion: 82 Resp: 590660

Ion Ratio Lower Upper

82 100

128 45.7 36.5 54.7

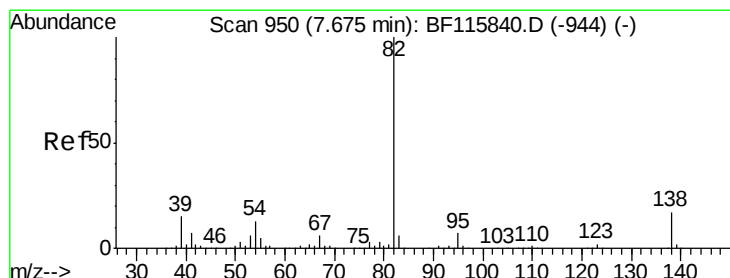
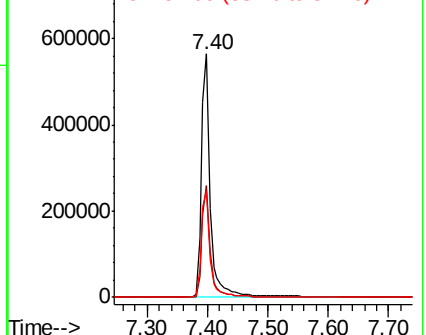
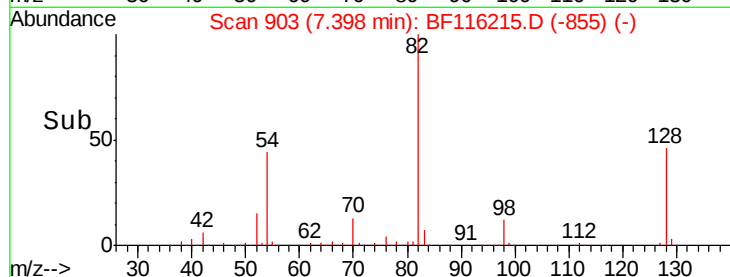
54 43.7 36.0 54.0



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: 38.371 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116215.D

Acq: 13 Aug 2019 3:17

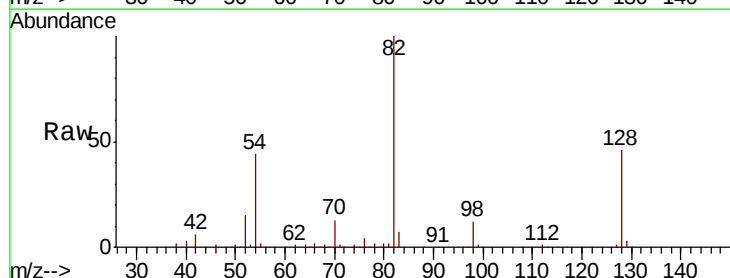
Tgt Ion: 82 Resp: 590656

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.0#

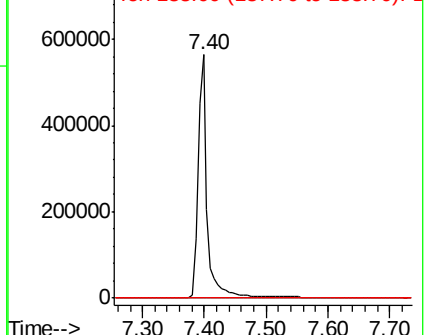
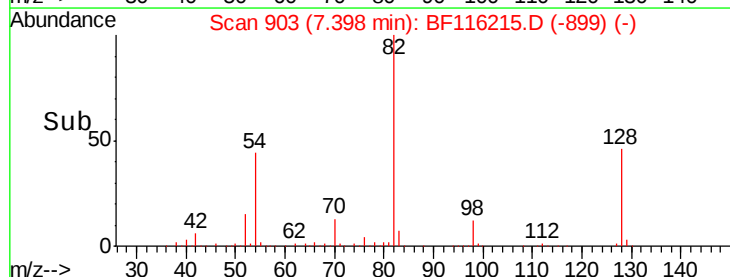
138 0.0 14.5 21.7#

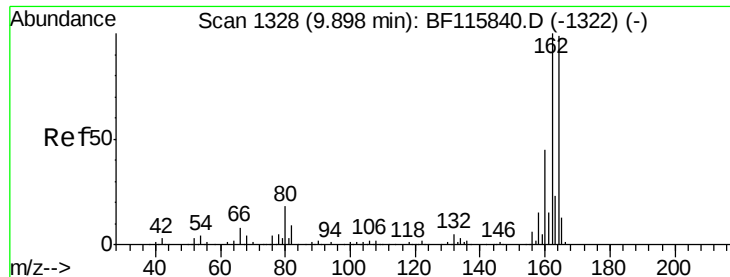


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

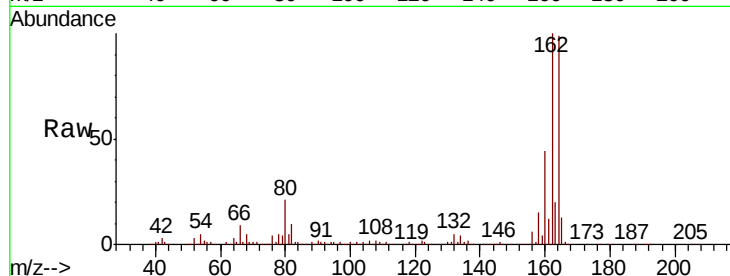




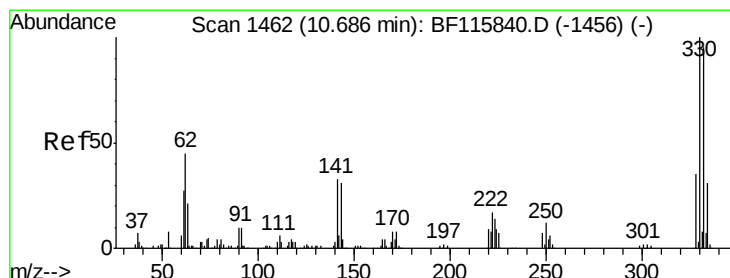
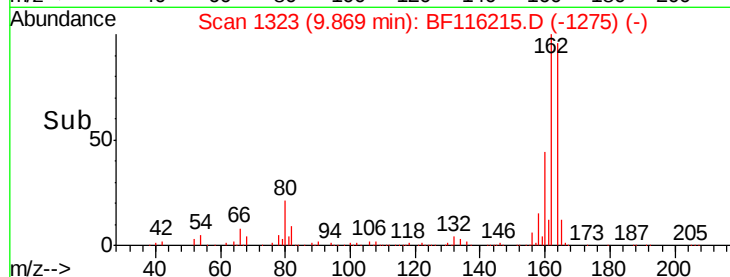
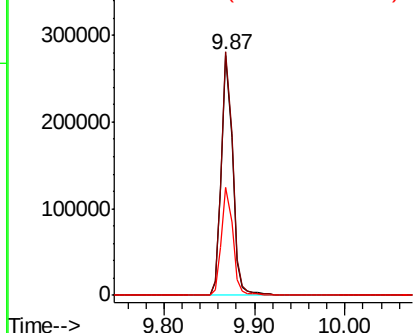
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Instrument :
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ClientSampleId :
COMP-25

Tot Ion:164 Resp: 237921
Ion Ratio Lower Upper
164 100
162 101.4 82.6 124.0
160 44.8 37.6 56.4

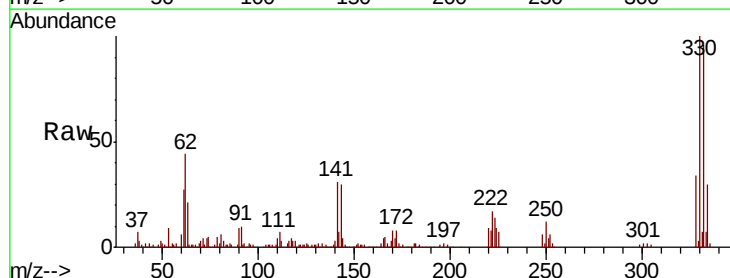


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

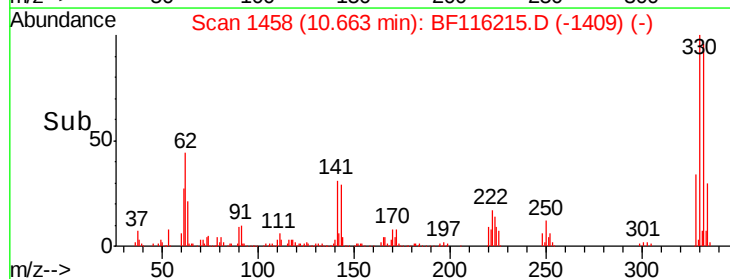
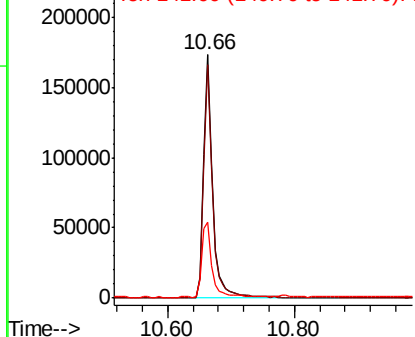


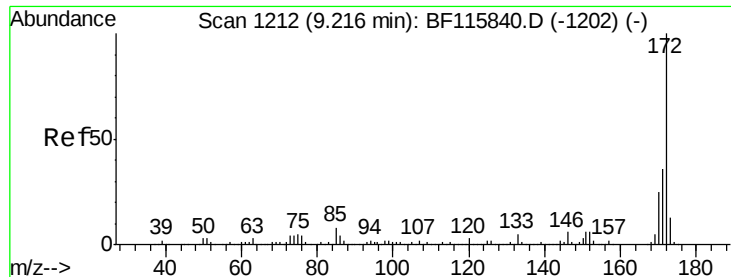
#42
2,4,6-Tribromophenol
Concen: 74.614 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion:330 Resp: 172112
Ion Ratio Lower Upper
330 100
332 95.0 76.8 115.2
141 34.2 26.3 39.5



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

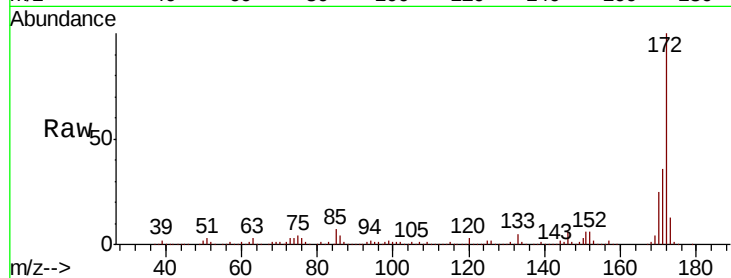




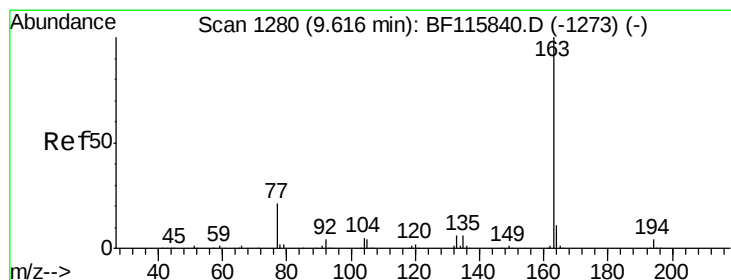
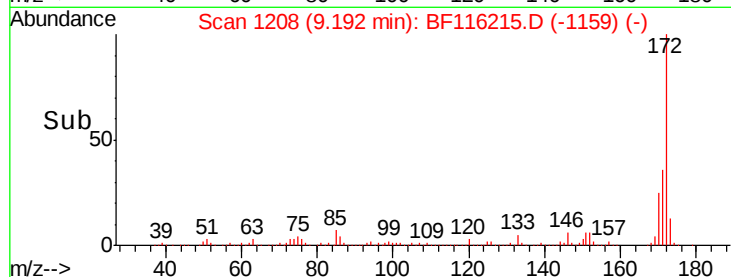
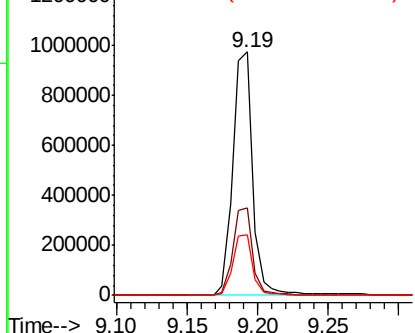
#45
2-Fluorobiphenyl
Concen: 75.760 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Instrument :
BNA_F
ClientSampleId :
COMP-25

Tot Ion:172 Resp: 962318
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.6 20.1 30.1

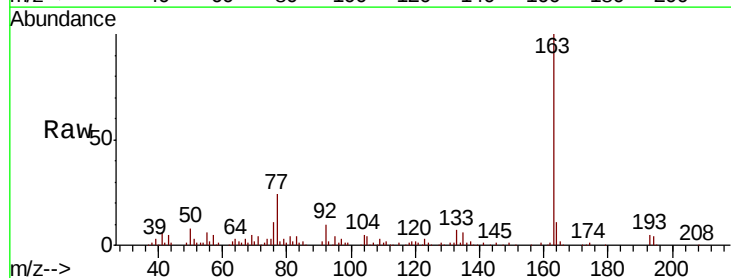


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

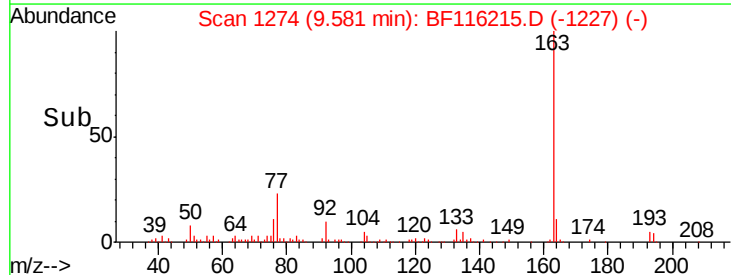
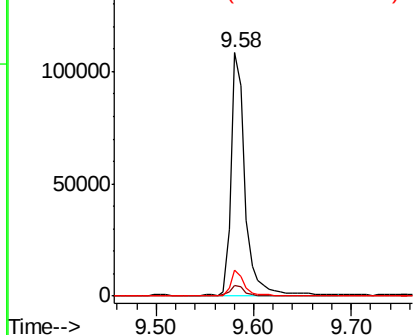


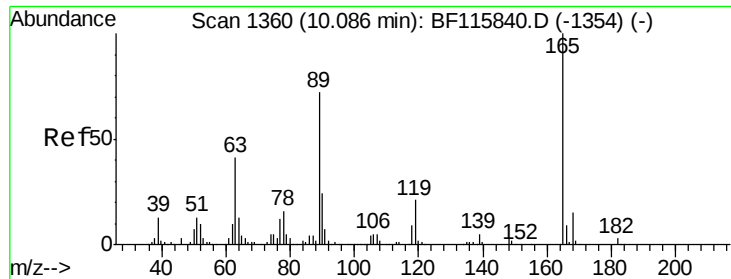
#50
Dimethylphthalate
Concen: 6.829 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion:163 Resp: 110632
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 10.8 8.4 12.6



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

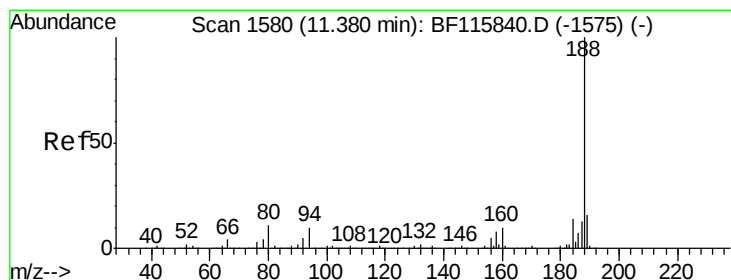
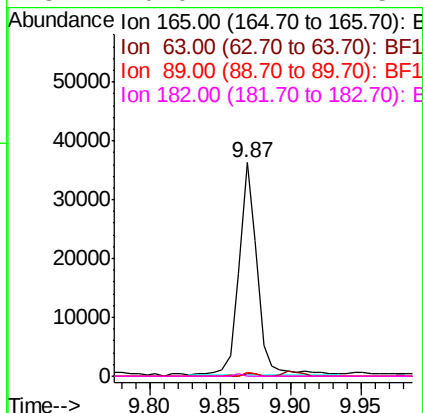
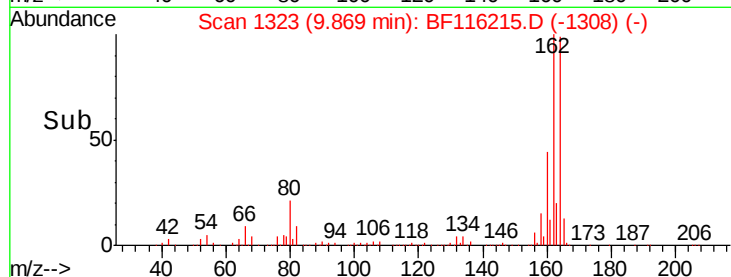
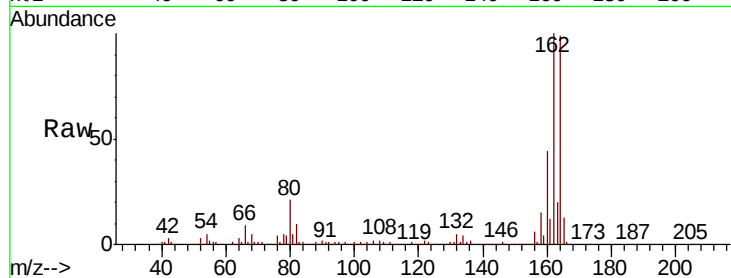




#57
 2,4-Dinitrotoluene
 Concen: 6.781 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116215.D
 Acq: 13 Aug 2019 3:17

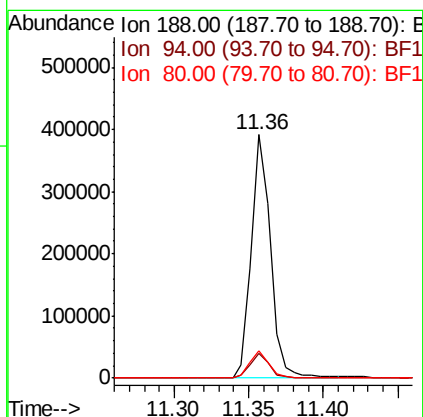
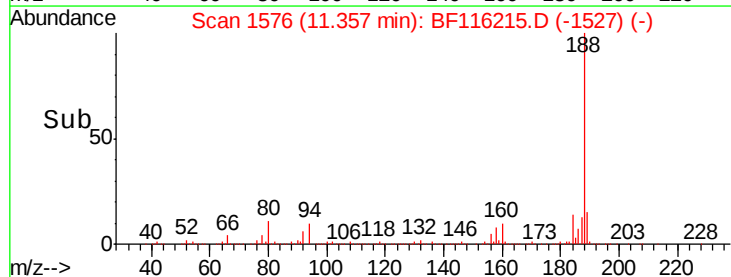
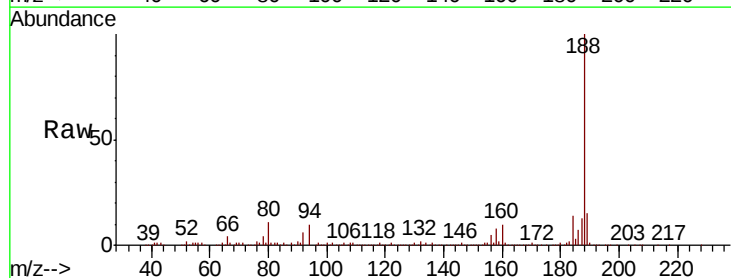
Instrument :
 BNA_F
 ClientSampled :
 COMP-25

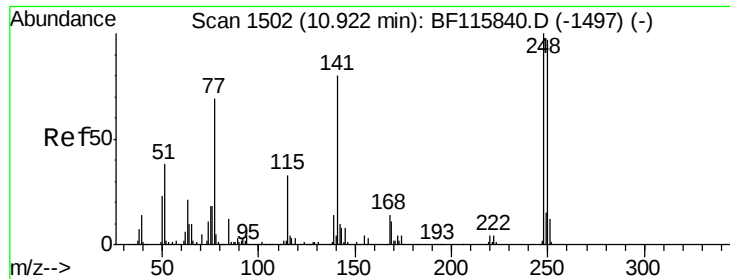
Tot Ion:165 Resp: 31783
 Ion Ratio Lower Upper
 165 100
 63 1.4 39.6 59.4#
 89 1.6 62.2 93.2#
 182 0.0 2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116215.D
 Acq: 13 Aug 2019 3:17

Tgt Ion:188 Resp: 347573
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.1 12.1
 80 11.4 8.7 13.1

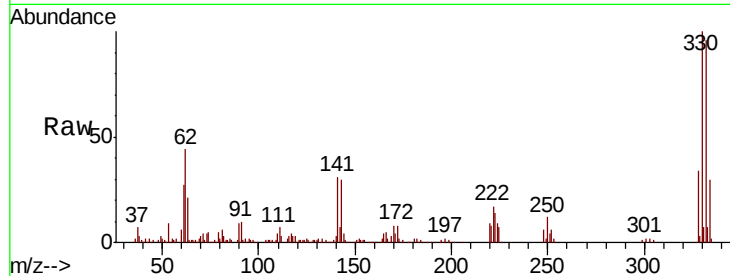




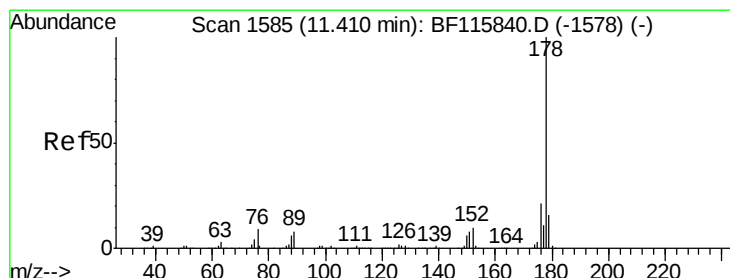
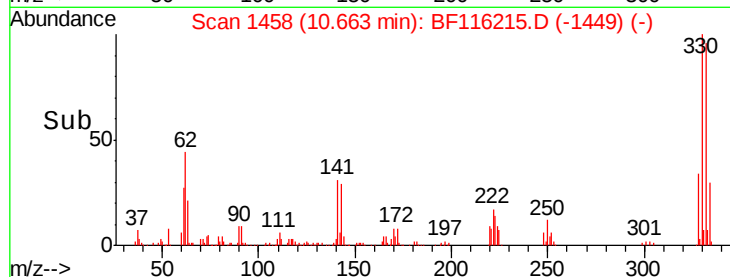
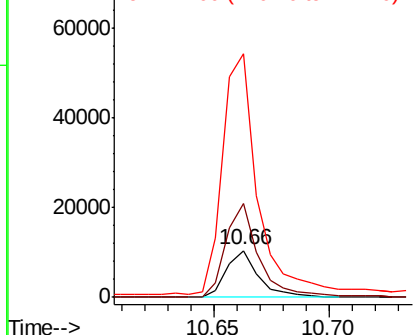
#67
 4-Bromophenyl-phenylether
 Concen: 2.697 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116215.D
 Acq: 13 Aug 2019 3:17

Instrument :
 BNA_F
 ClientSampleId :
 COMP-25

Tot Ion	Ratio	Lower	Upper
248	100		
250	202.2	77.4	116.2#
141	523.8	56.8	85.2#

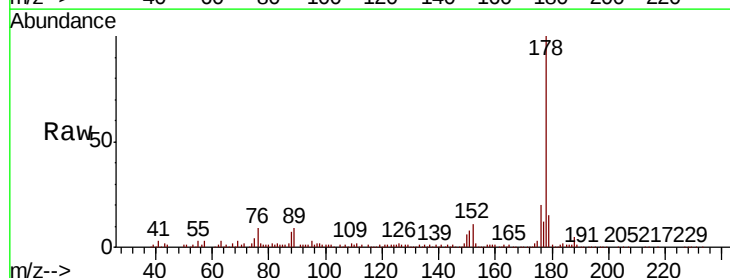


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

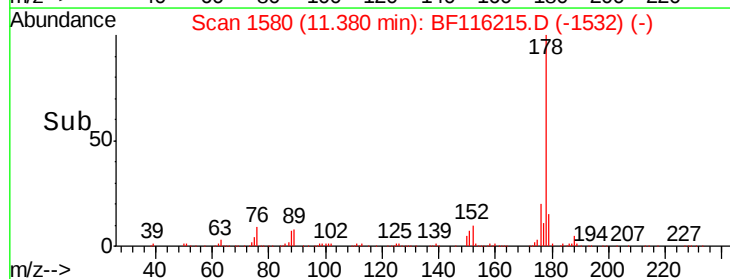
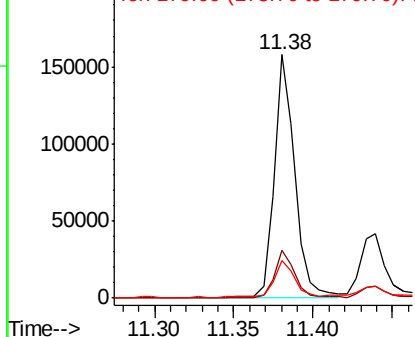


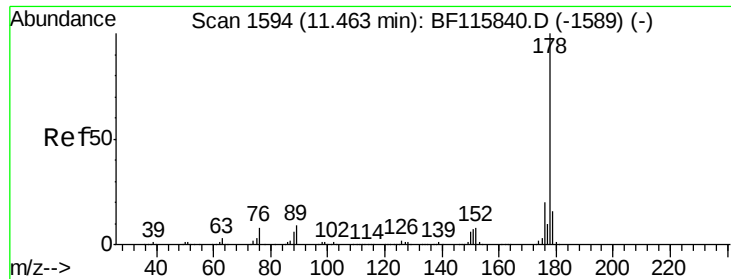
#71
 Phenanthrene
 Concen: 7.949 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF116215.D
 Acq: 13 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.6	24.8
179	15.3	12.5	18.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

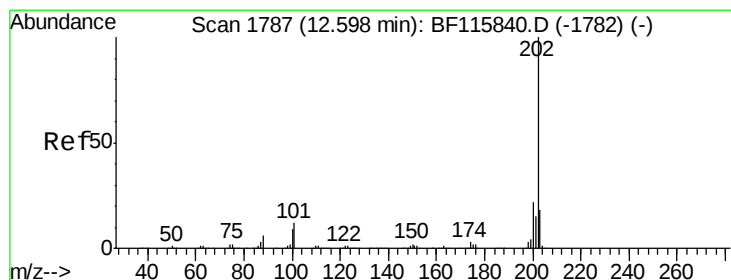
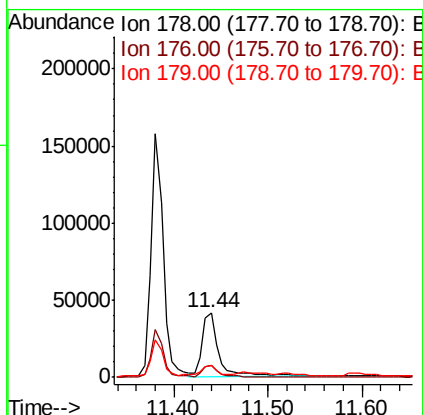
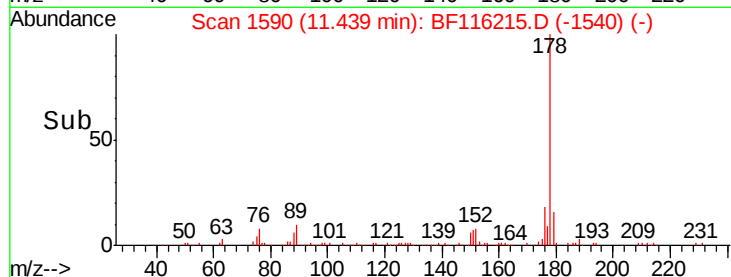
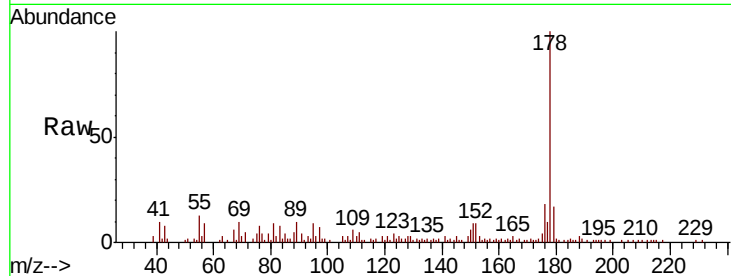




#72
 Anthracene
 Concen: 2.883 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF116215.D
 Acq: 13 Aug 2019 3:17

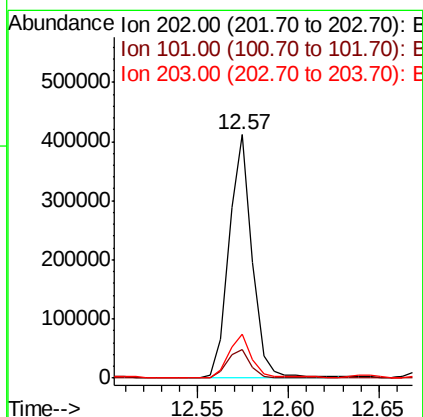
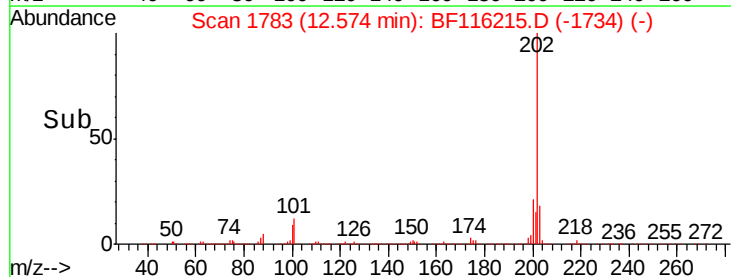
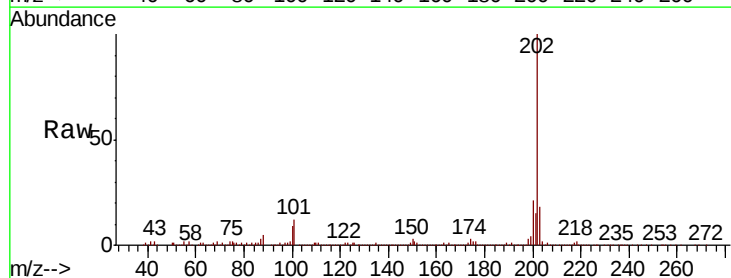
Instrument :
 BNA_F
 ClientSampleId :
 COMP-25

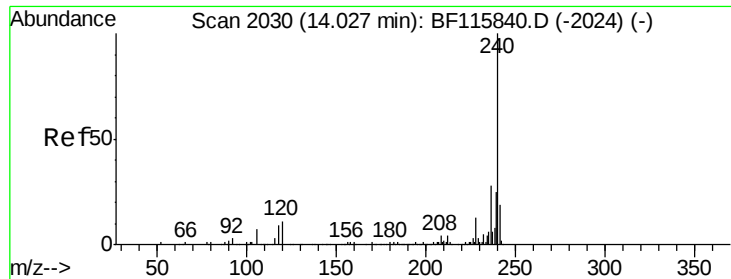
Tot Ion:178 Resp: 51853
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.7 23.5
 179 17.5 13.0 19.6



#75
 Fluoranthene
 Concen: 19.465 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF116215.D
 Acq: 13 Aug 2019 3:17

Tgt Ion:202 Resp: 362095
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 31.2
 203 18.0 0.0 37.8

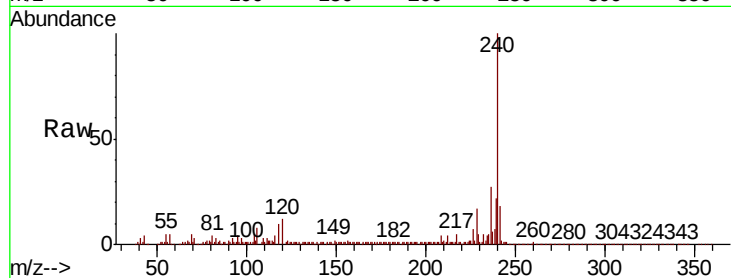




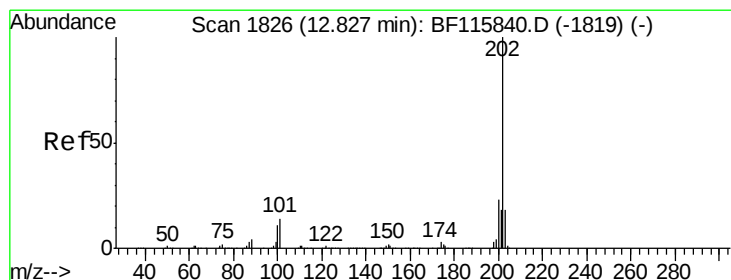
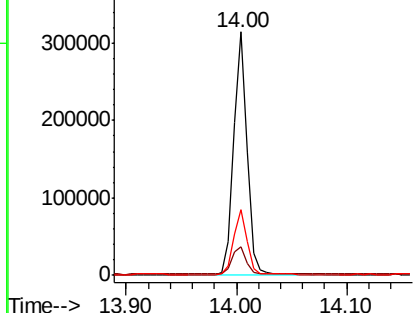
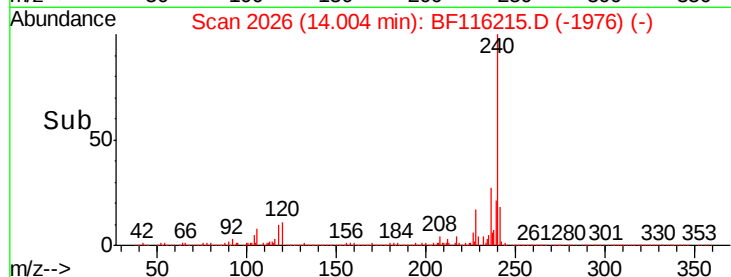
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Instrument :
BNA_F
ClientSampleId :
COMP-25

Tot Ion:240 Resp: 268743
Ion Ratio Lower Upper
240 100
120 11.6 10.7 16.1
236 26.9 22.2 33.2

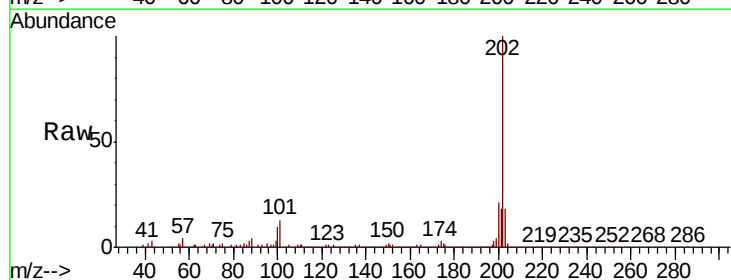


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

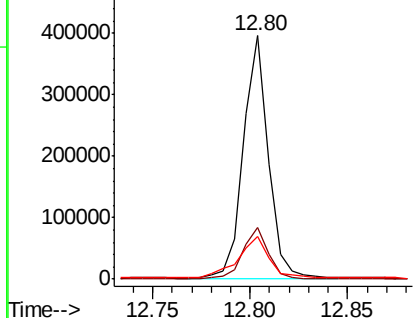
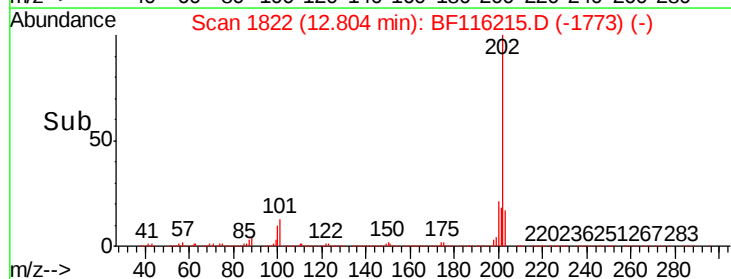


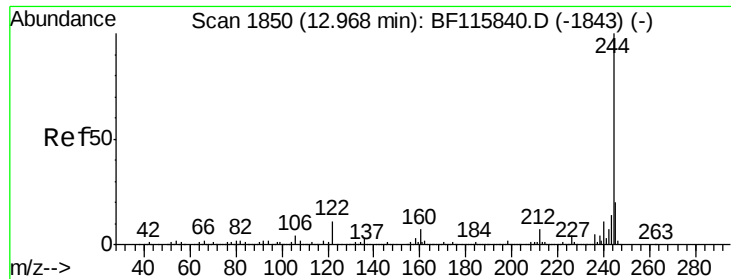
#78
Pyrene
Concen: 17.351 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion:202 Resp: 351506
Ion Ratio Lower Upper
202 100
200 21.3 18.0 27.0
203 17.5 14.1 21.1



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: 67.320 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116215.D

Acq: 13 Aug 2019 3:17

Instrument :

BNA_F

ClientSampleId :

COMP-25

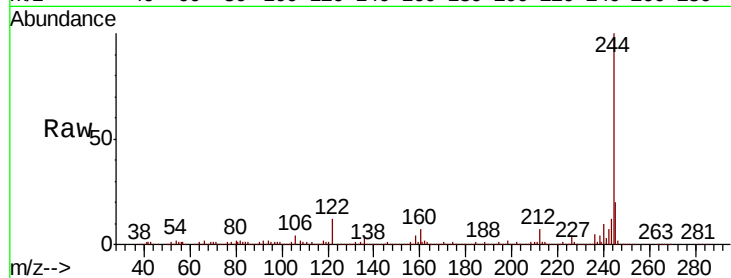
Tot Ion:244 Resp: 858590

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

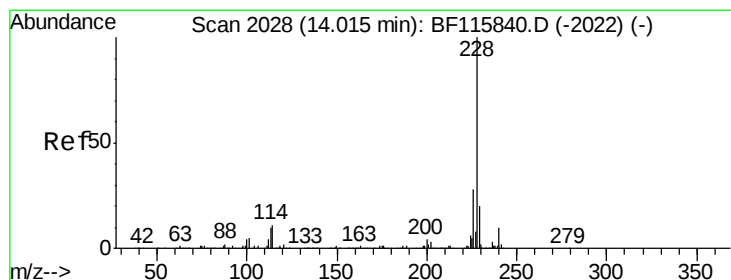
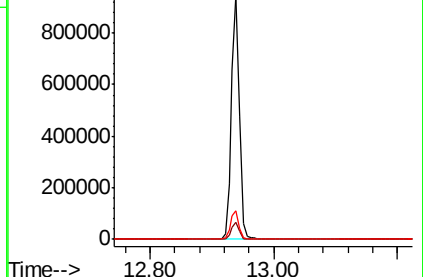
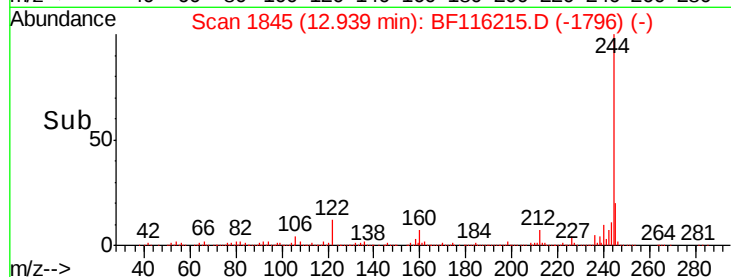
122 11.6 9.0 13.4



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



#81

Benzo(a)anthracene

Concen: 13.537 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116215.D

Acq: 13 Aug 2019 3:17

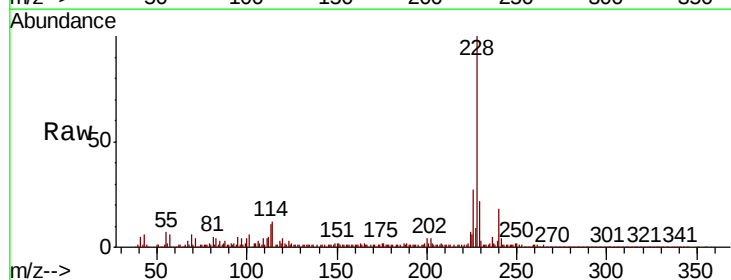
Tgt Ion:228 Resp: 232534

Ion Ratio Lower Upper

228 100

226 27.5 22.7 34.1

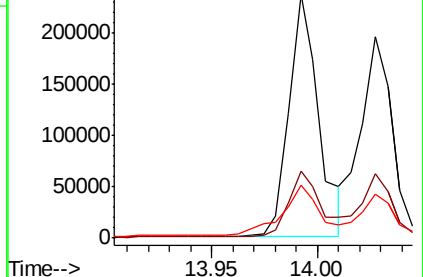
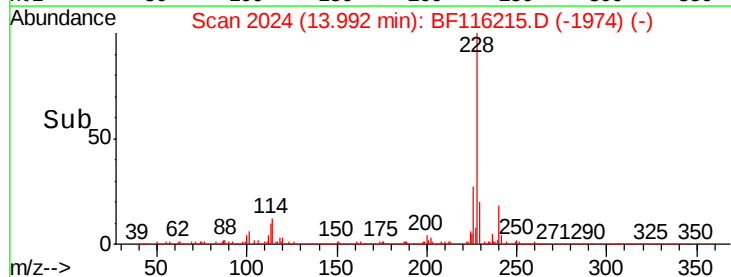
229 21.5 16.2 24.4

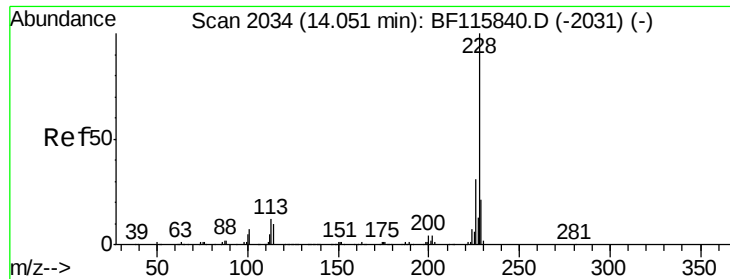


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

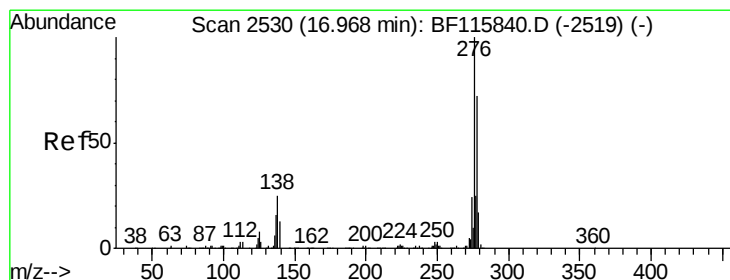
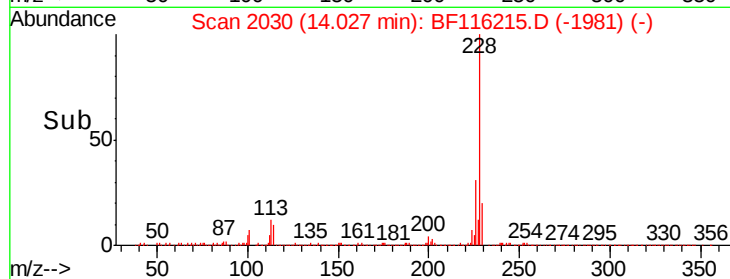
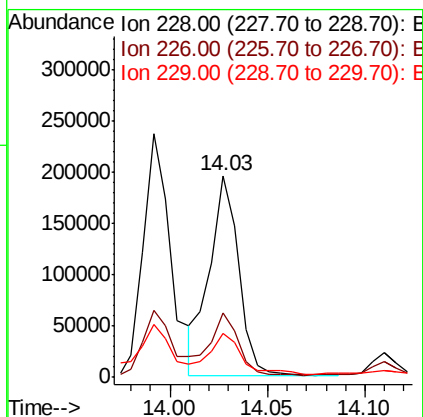
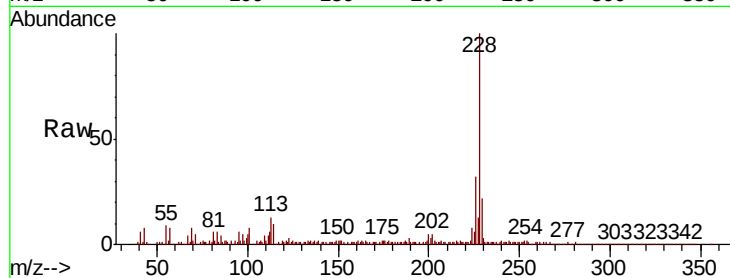




#83
Chrysene
Concen: 12.278 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

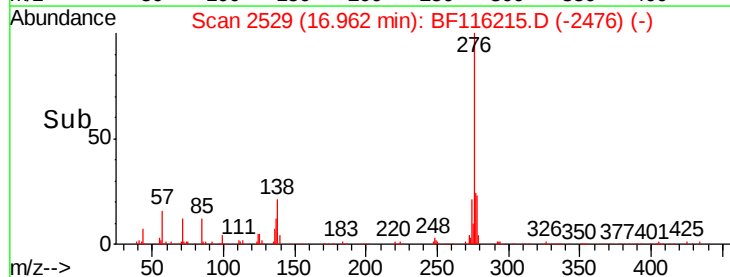
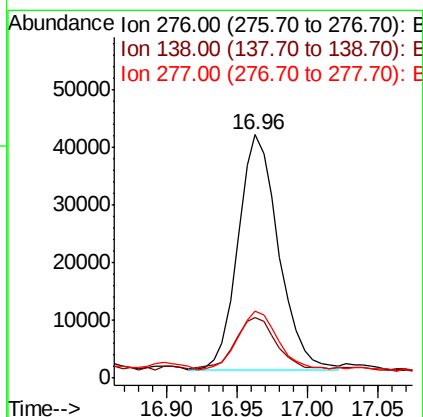
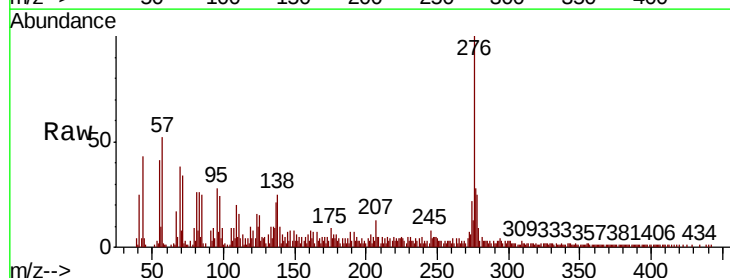
Instrument :
BNA_F
ClientSampleId :
COMP-25

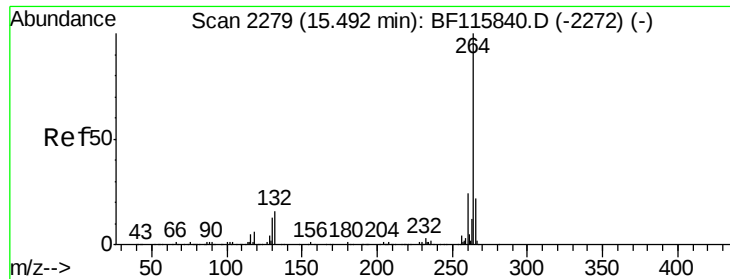
Tot Ion:228 Resp: 204755
Ion Ratio Lower Upper
228 100
226 31.7 25.5 38.3
229 21.6 16.6 24.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.858 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion:276 Resp: 82055
Ion Ratio Lower Upper
276 100
138 21.7 20.4 30.6
277 24.3 20.0 30.0

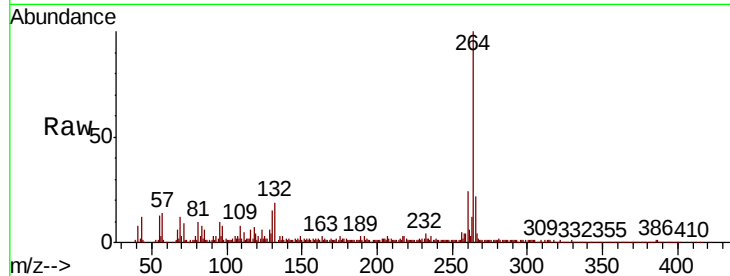




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Instrument :
BNA_F
ClientSampleId :
COMP-25

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.7	29.5
265	22.1	17.4	26.0

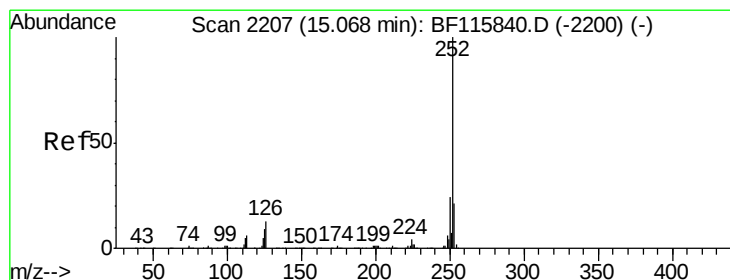
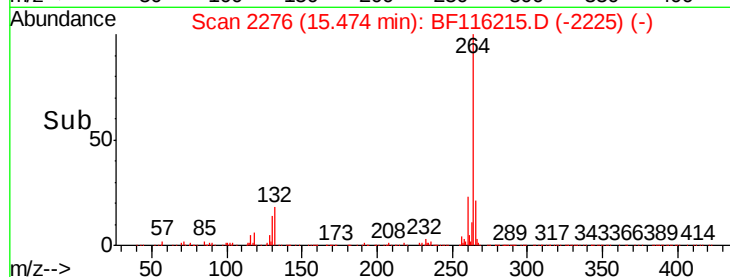
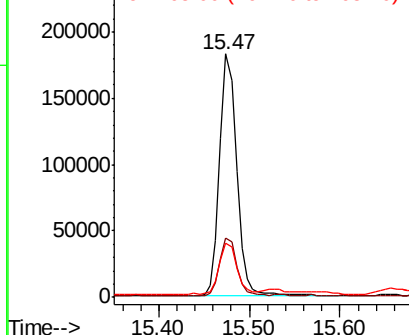


Abundance

Ion 264.00 (263.70 to 264.70): E

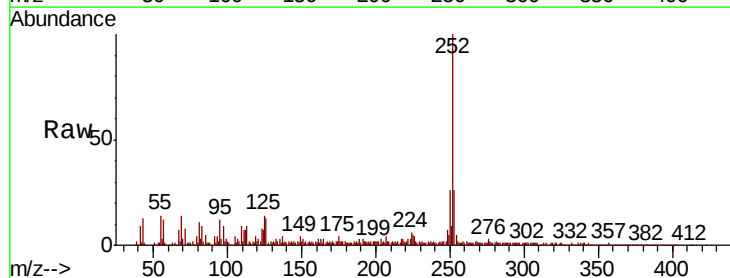
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 23.669 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.8	26.8
125	14.3	8.4	12.6

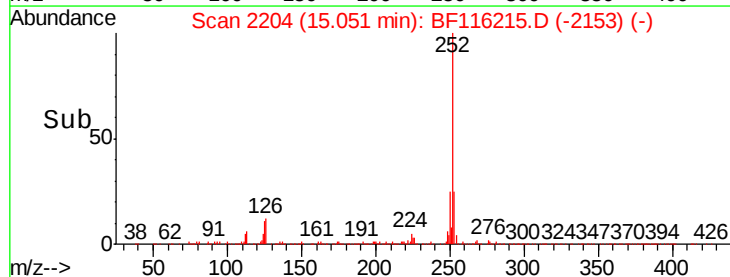
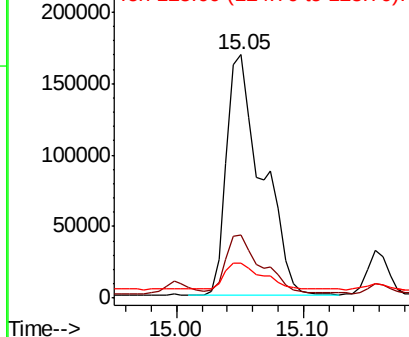


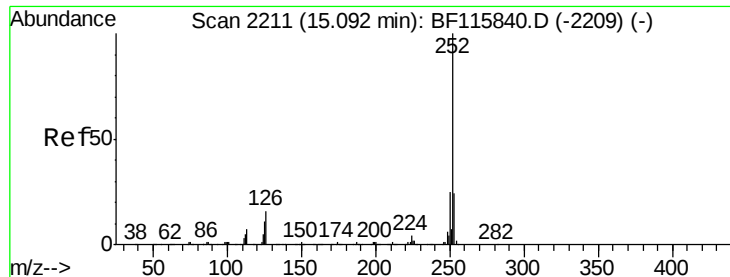
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 24.300 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.03 min

Lab File: BF116215.D

Acq: 13 Aug 2019 3:17

Instrument :

BNA_F

ClientSampleId :

COMP-25

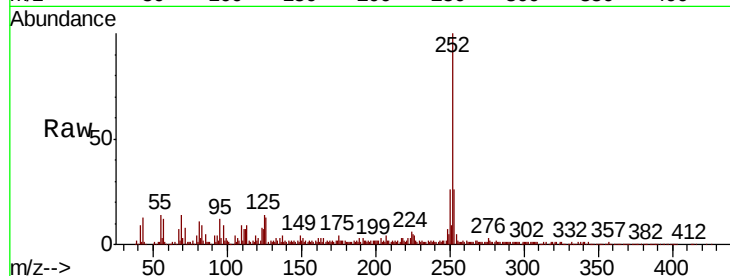
Tot Ion:252 Resp: 326396

Ion Ratio Lower Upper

252 100

253 26.0 17.8 26.8

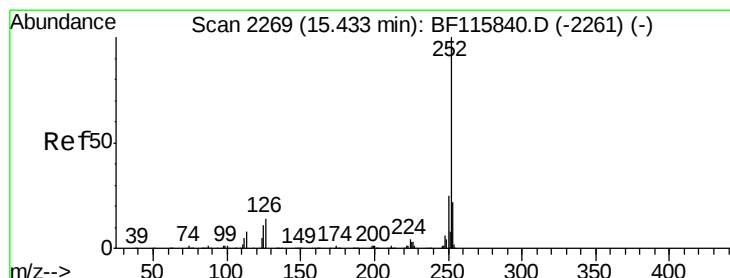
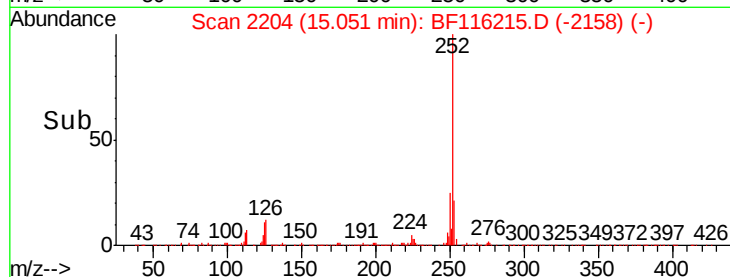
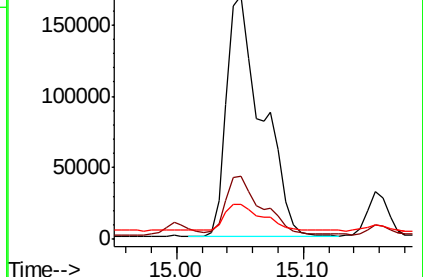
125 14.3 7.7 11.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 13.049 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.00 min

Lab File: BF116215.D

Acq: 13 Aug 2019 3:17

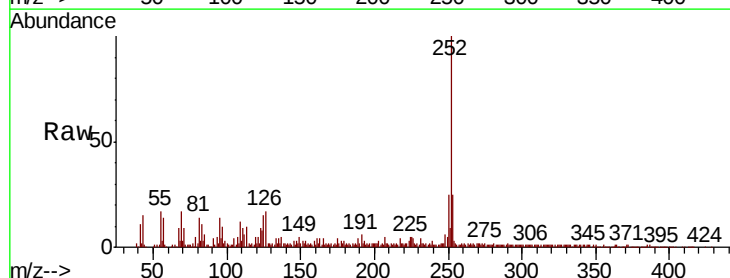
Tgt Ion:252 Resp: 160867

Ion Ratio Lower Upper

252 100

253 25.2 18.0 27.0

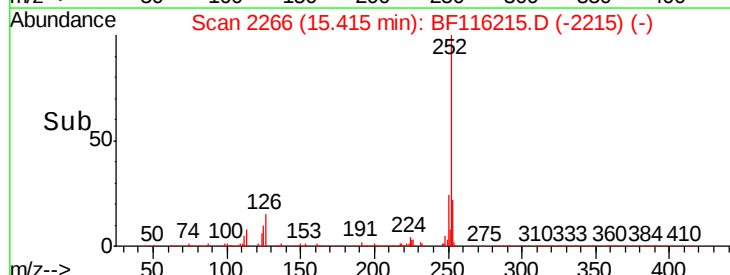
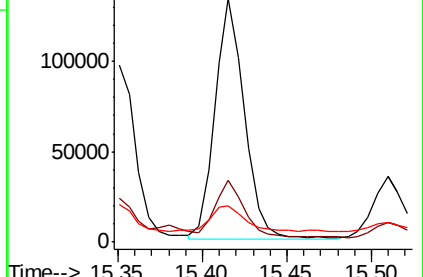
125 14.9 8.9 13.3#

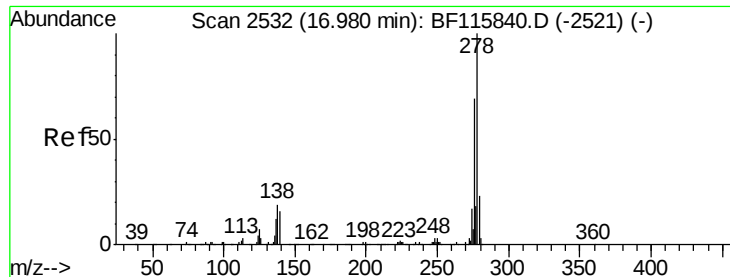


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

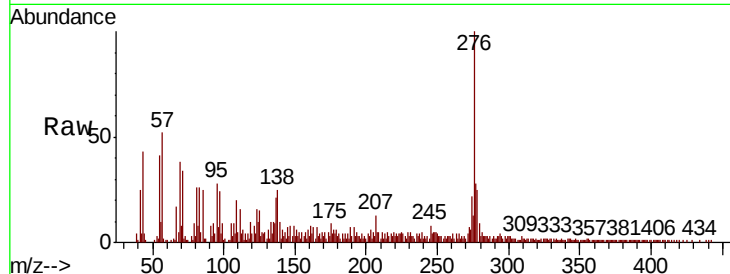




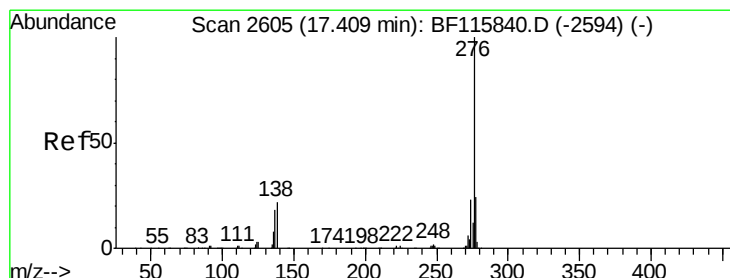
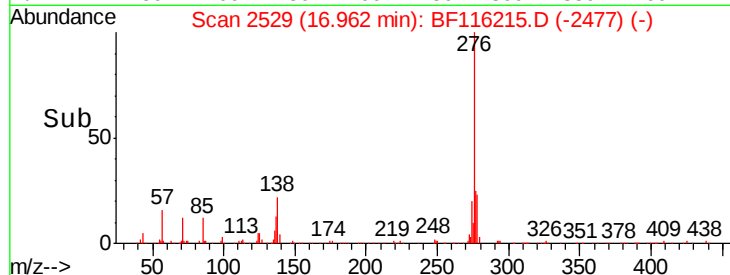
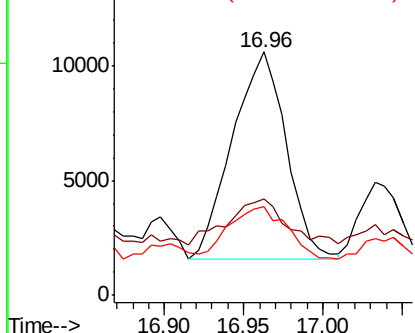
#91
Dibenzo(a,h)anthracene
Concen: 2.008 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.01 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Instrument :
BNA_F
ClientSampleId :
COMP-25

Tot Ion:278 Resp: 21425
Ion Ratio Lower Upper
278 100
139 39.7 12.8 19.2#
279 36.2 18.8 28.2#

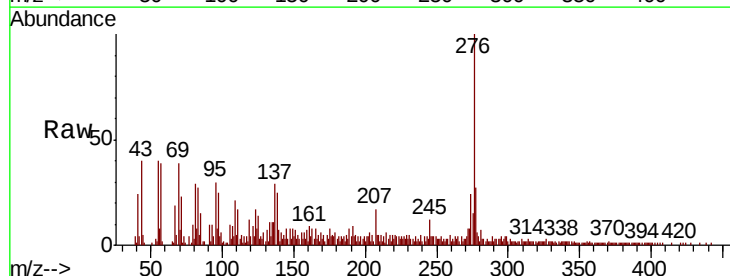


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.361 ng
RT: 17.41 min Scan# 2605
Delta R.T. 0.02 min
Lab File: BF116215.D
Acq: 13 Aug 2019 3:17

Tgt Ion:276 Resp: 77137
Ion Ratio Lower Upper
276 100
277 27.1 18.4 27.6
138 25.1 17.0 25.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

