

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116686.D
 Acq On : 31 Aug 2019 7:50
 Operator : HP/JU
 Sample : K4618-05 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 11:16:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	107711	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	449289	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	229969	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	366469	20.00	ng	0.00
76) Chrysene-d12	13.99	240	240930	20.00	ng	0.00
87) Perylene-d12	15.44	264	255042	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	77701	11.69	ng	-0.01
7) Phenol-d6	6.46	99	105664	12.10	ng	-0.02
23) Nitrobenzene-d5	7.40	82	60415	7.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	17059	11.10	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	100722	7.39	ng	-0.01
79) Terphenyl-d14	12.94	244	81159	6.23	ng	-0.01

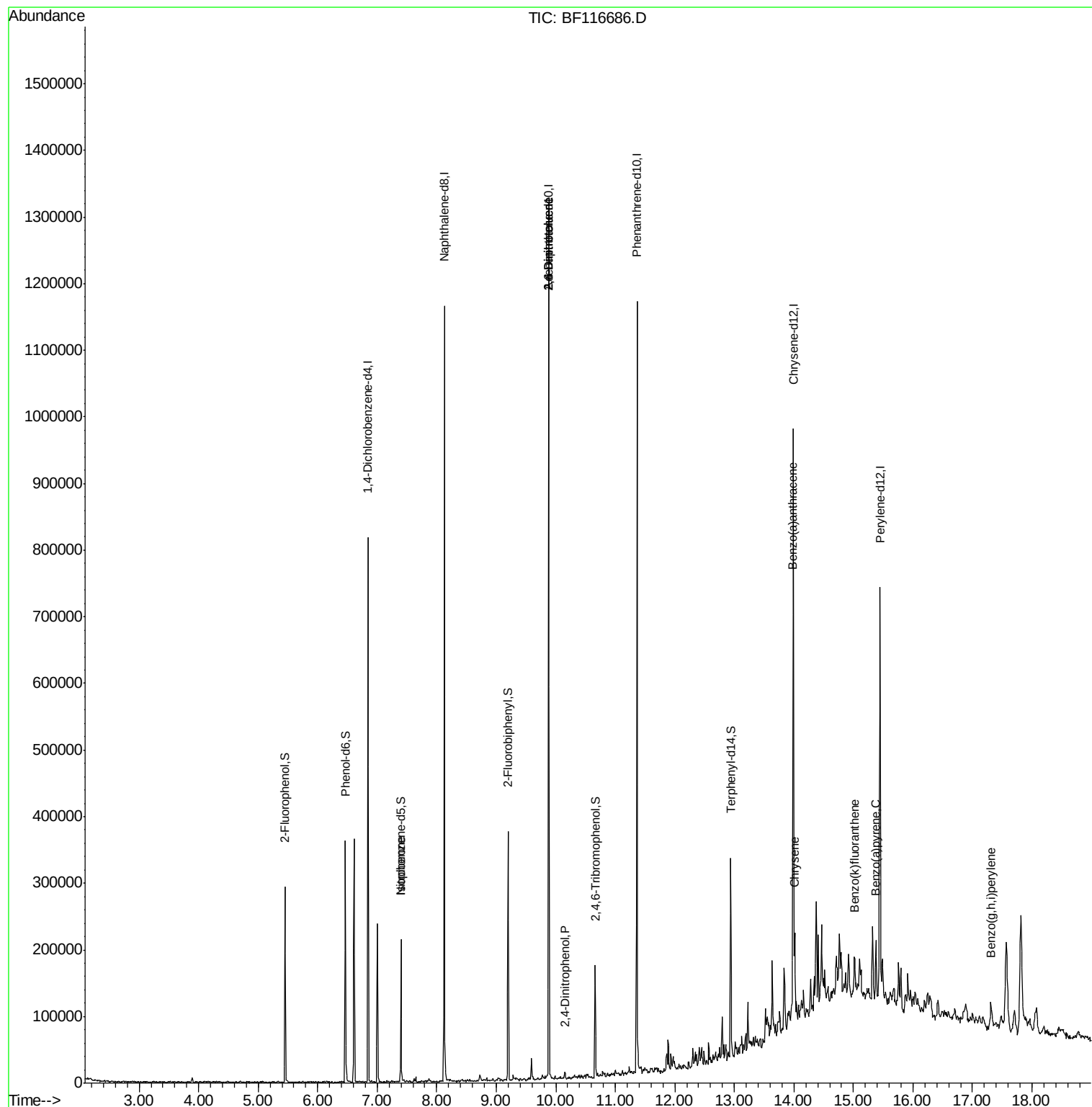
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.40	82	60414	3.788	ng	# 66
51) 2,6-Dinitrotoluene	9.88	165	30030	9.913	ng	# 21
54) 2,4-Dinitrophenol	10.16	184	383	9.357	ng	# 53
57) 2,4-Dinitrotoluene	9.88	165	30030	8.107	ng	# 21
81) Benzo(a)anthracene	13.98	228	41070	2.693	ng	# 94
83) Chrysene	14.02	228	39939	2.542	ng	# 92
89) Benzo(k)fluoranthene	15.02	252	28861	2.053	ng	# 89
90) Benzo(a)pyrene	15.38	252	36013	2.685	ng	# 90
92) Benzo(g,h,i)perylene	17.31	276	27730	2.316	ng	# 89

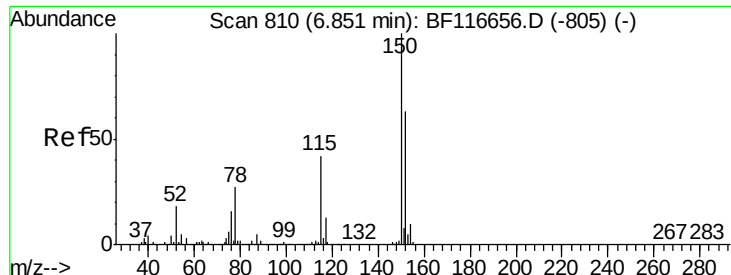
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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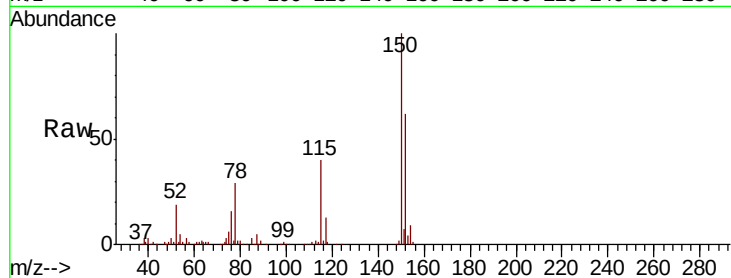


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116686.D
Acq: 31 Aug 2019 7:50

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.4	186.6
115	63.3	49.9	74.9

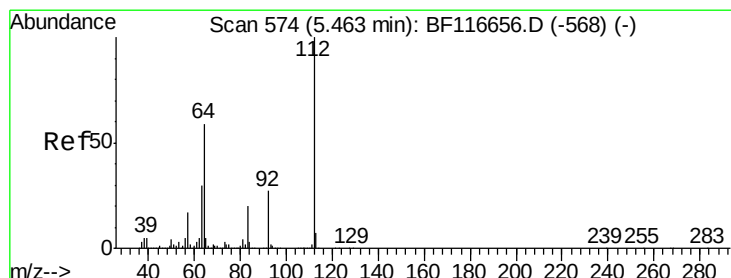
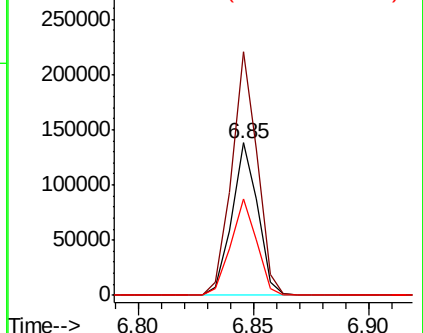
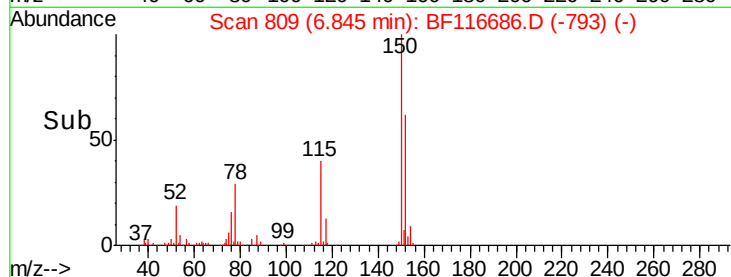


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

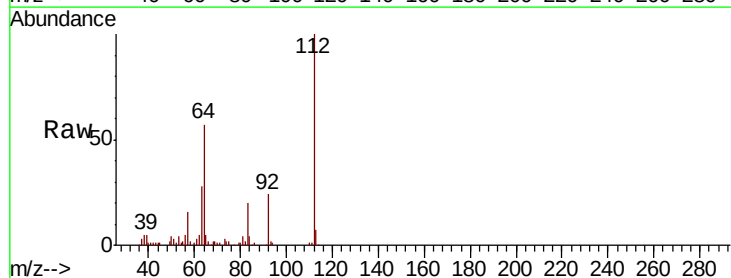
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 11.687 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116686.D
Acq: 31 Aug 2019 7:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.1	70.7
63	28.3	24.9	37.3

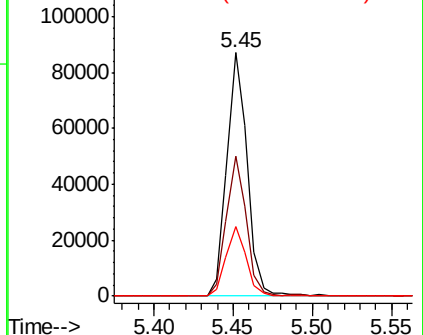
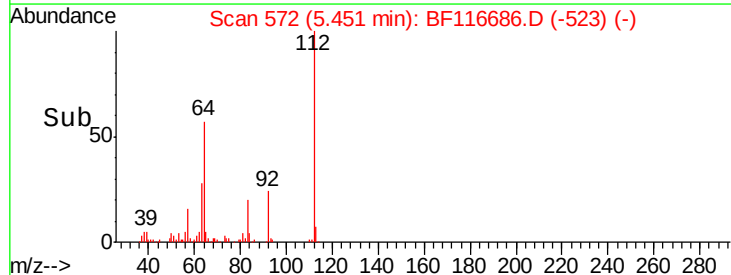


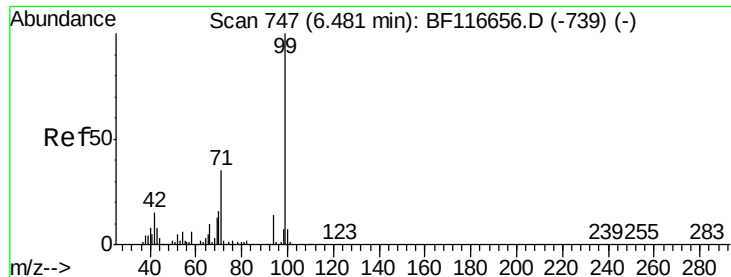
Abundance

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: 12.103 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116686.D

Acq: 31 Aug 2019 7:50

Instrument :

BNA_F

ClientSampleId :

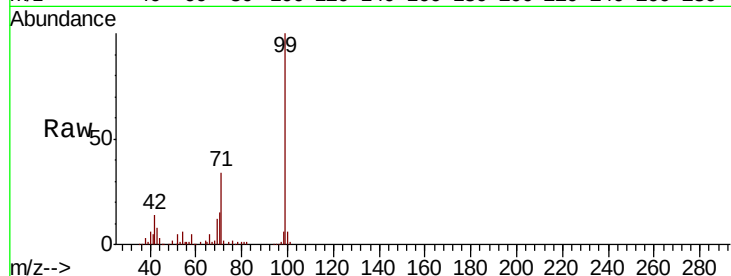
Tot Ion: 99 Resp: 105664

Ion Ratio Lower Upper

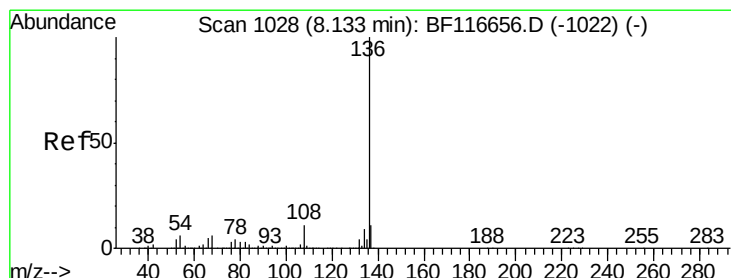
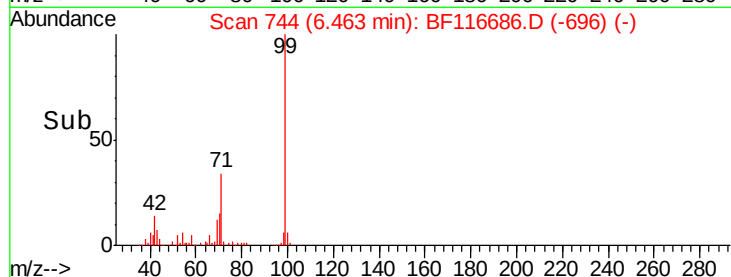
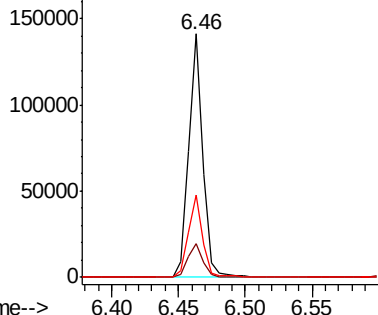
99 100

42 13.9 13.7 20.5

71 33.8 30.8 46.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116686.D

Acq: 31 Aug 2019 7:50

Tgt Ion: 136 Resp: 449289

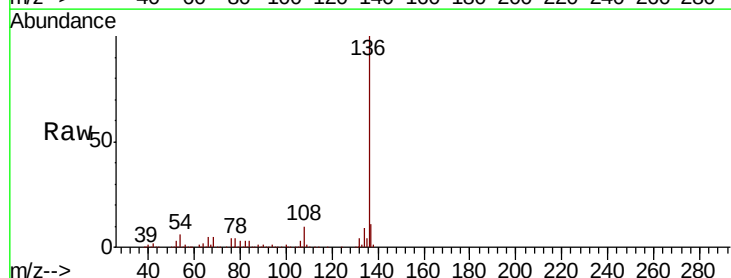
Ion Ratio Lower Upper

136 100

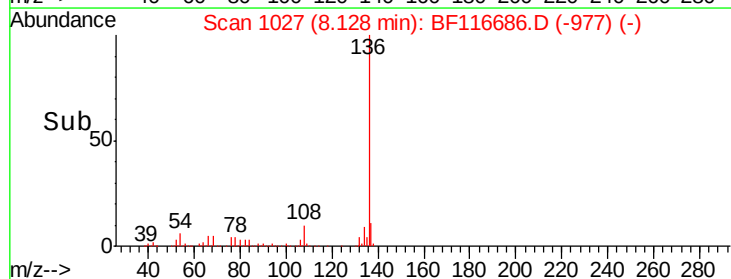
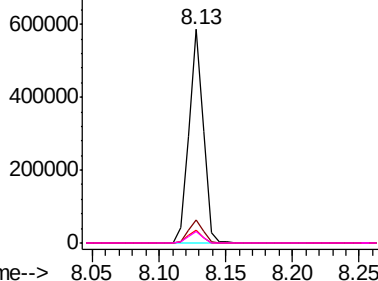
137 11.1 8.9 13.3

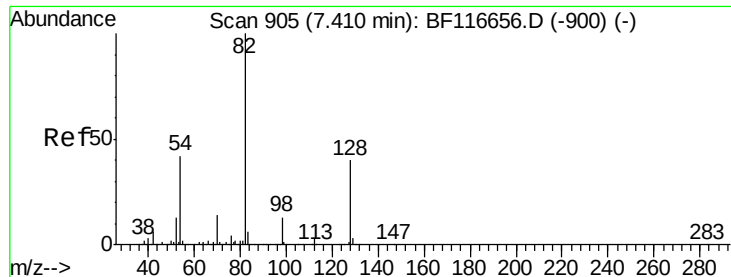
54 6.2 4.8 7.2

68 5.4 4.0 6.0



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

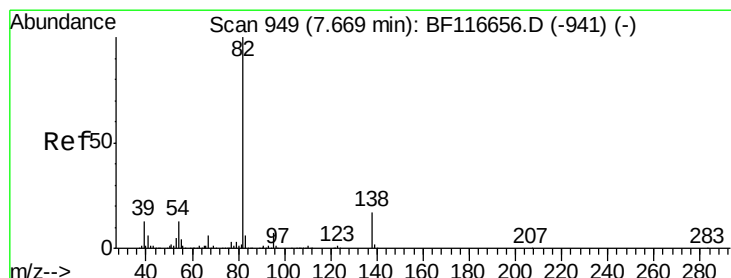
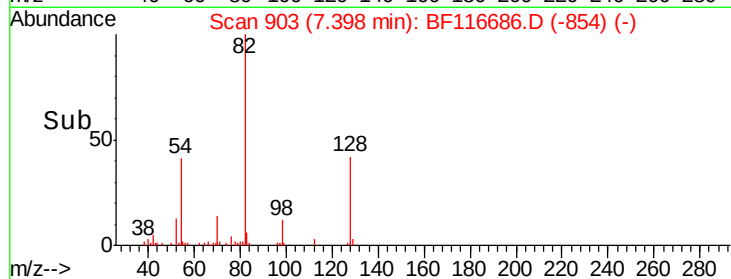
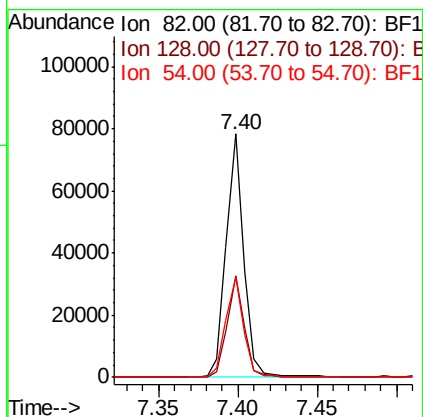
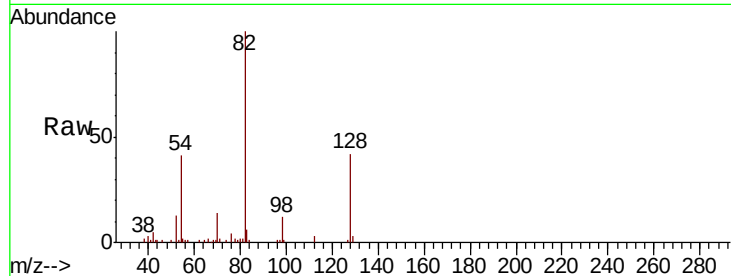




#23
 Nitrobenzene-d5
 Concen: 7.676 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF116686.D
 Acq: 31 Aug 2019 7:50

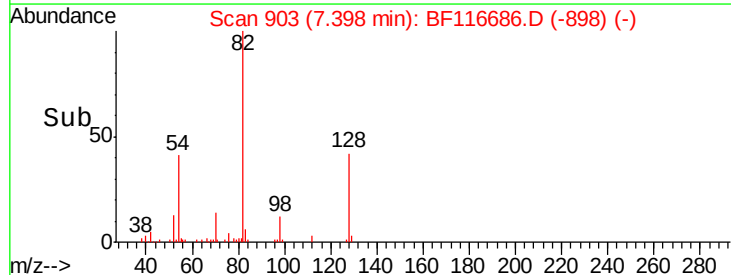
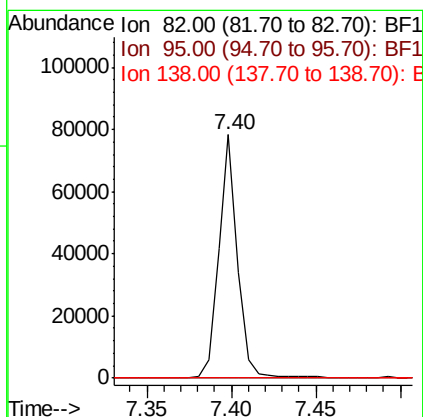
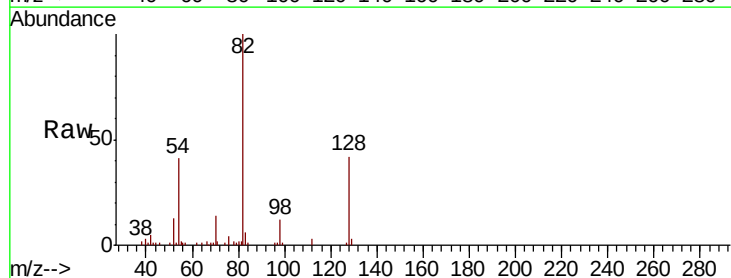
Instrument :
 BNA_F
 ClientSampleId :

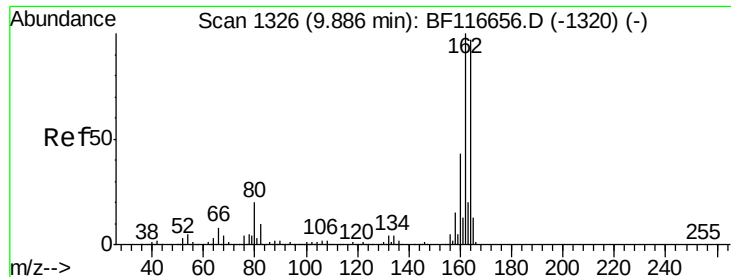
Tot Ion	82	Resp	60415
Ion Ratio	Lower	Upper	
82	100		
128	41.9	32.8	49.2
54	41.0	36.9	55.3



#25
 Isophorone
 Concen: 3.788 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.27 min
 Lab File: BF116686.D
 Acq: 31 Aug 2019 7:50

Tgt Ion	82	Resp	60414
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

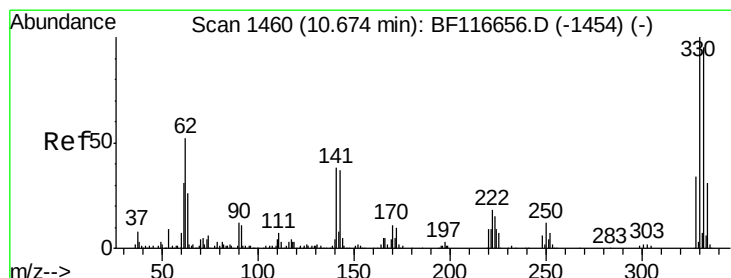
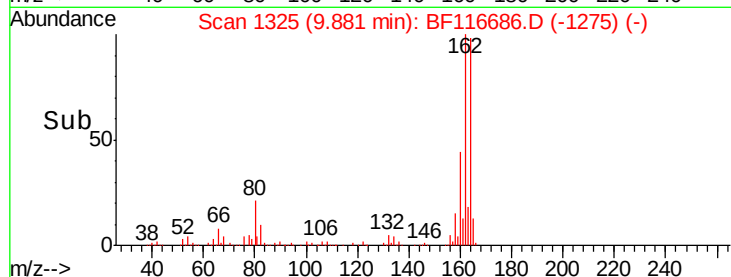
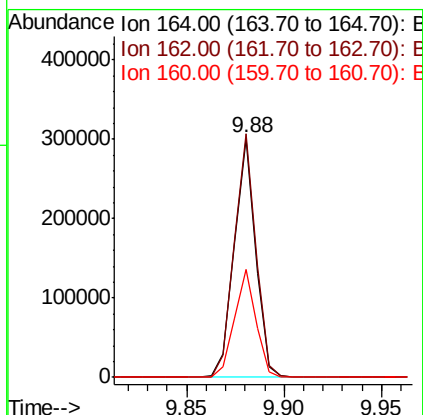
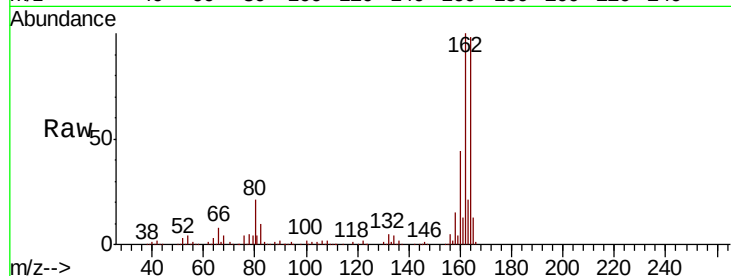




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF116686.D
 Acq: 31 Aug 2019 7:50

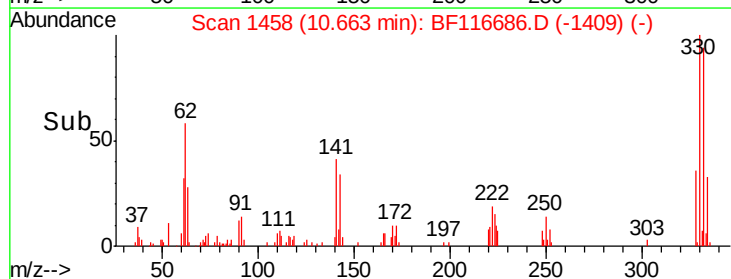
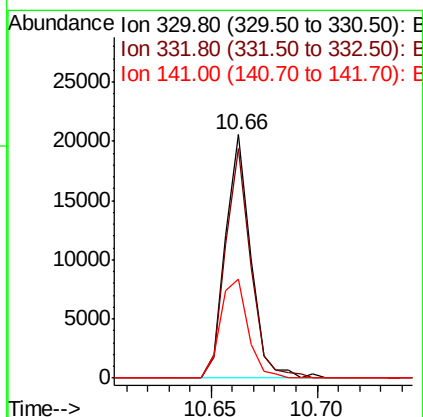
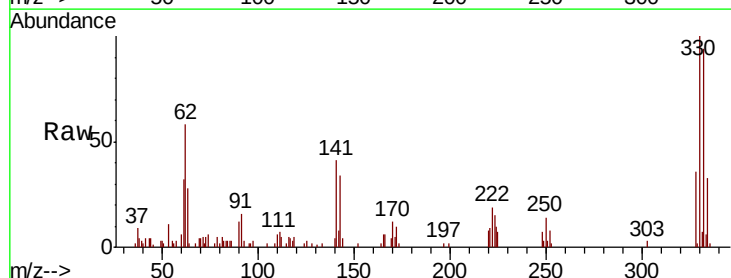
Instrument :
 BNA_F
 ClientSampleId :

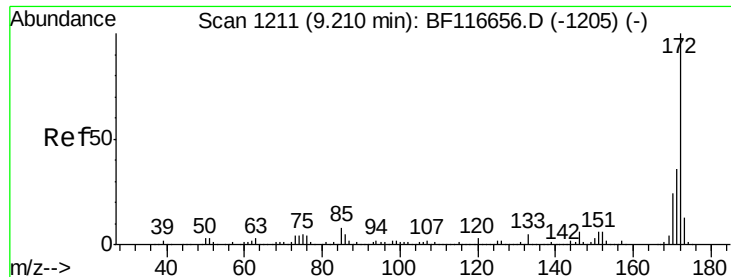
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.4	122.0
160	45.1	35.4	53.2



#42
 2,4,6-Tribromophenol
 Concen: 11.096 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116686.D
 Acq: 31 Aug 2019 7:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.5	76.9	115.3
141	44.4	31.4	47.2

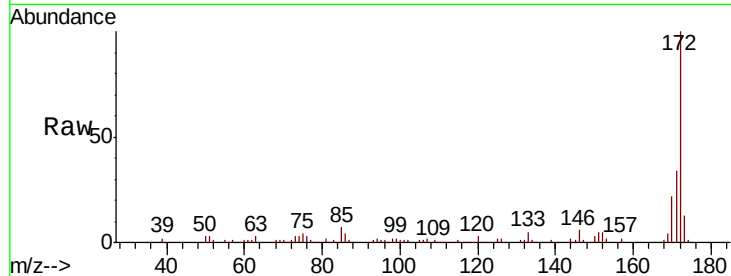




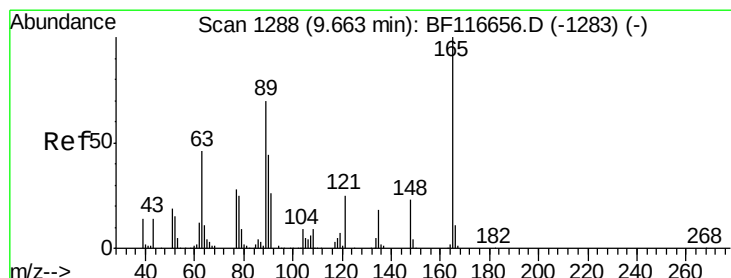
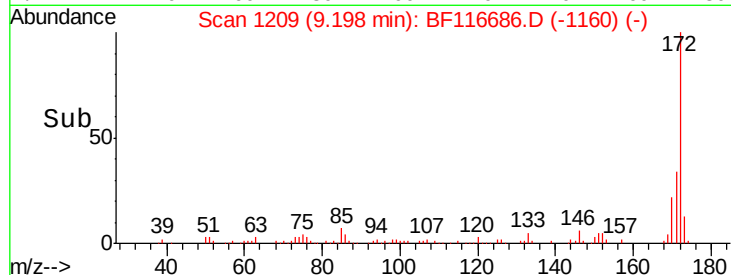
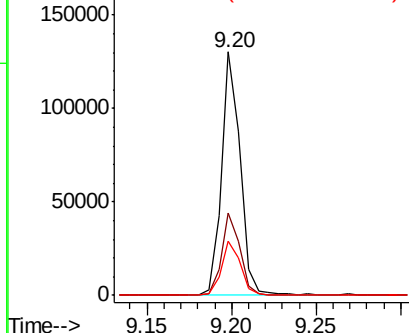
#45
 2-Fluorobiphenyl
 Concen: 7.388 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116686.D
 Acq: 31 Aug 2019 7:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.6	27.8	41.6
170	22.4	18.9	28.3

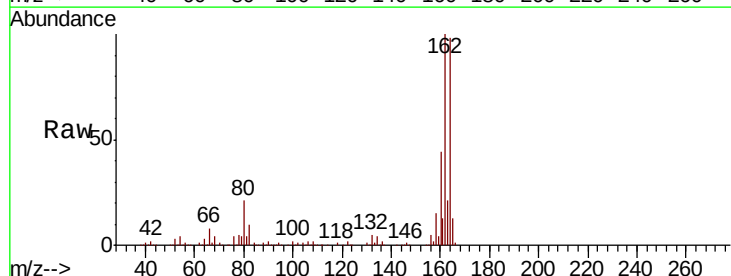


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

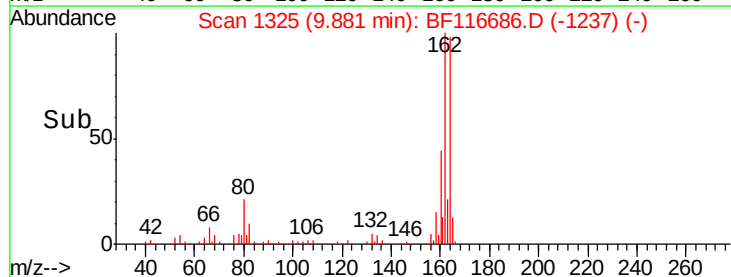
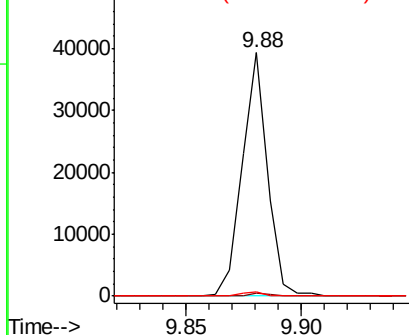


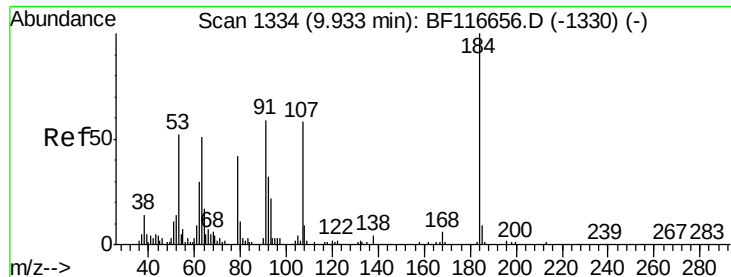
#51
 2,6-Dinitrotoluene
 Concen: 9.913 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.22 min
 Lab File: BF116686.D
 Acq: 31 Aug 2019 7:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	47.3	70.9#
89	1.8	52.5	78.7#



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

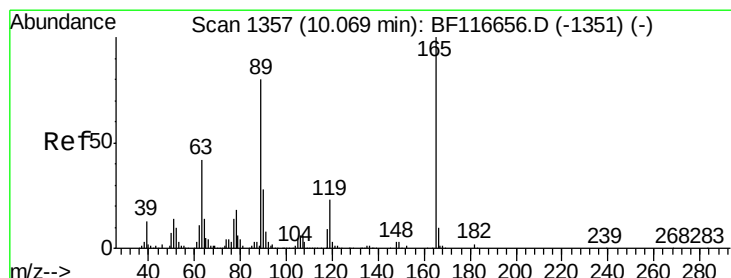
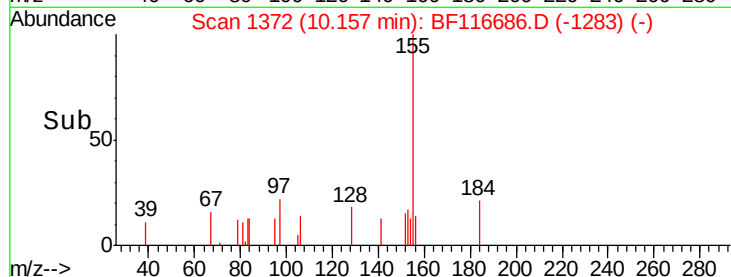
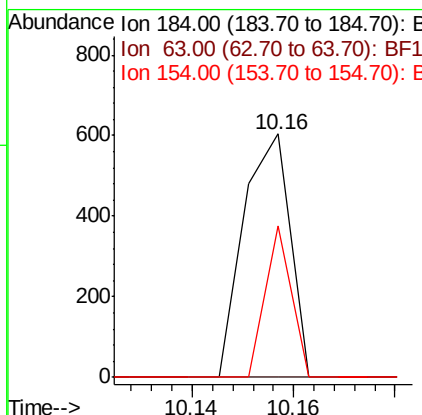
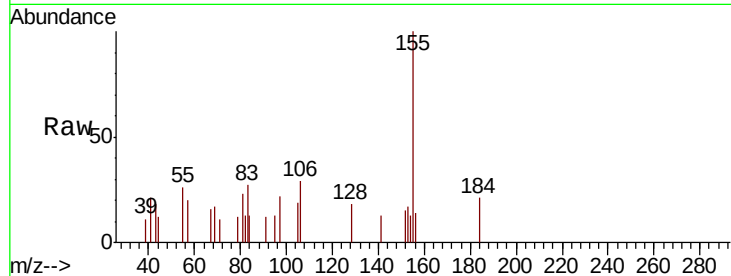




#54
2,4-Dinitrophenol
Concen: 9.357 ng
RT: 10.16 min Scan# 1372
Delta R.T. 0.22 min
Lab File: BF116686.D
Acq: 31 Aug 2019 7:50

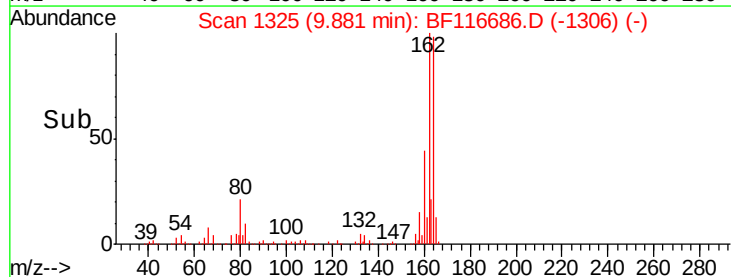
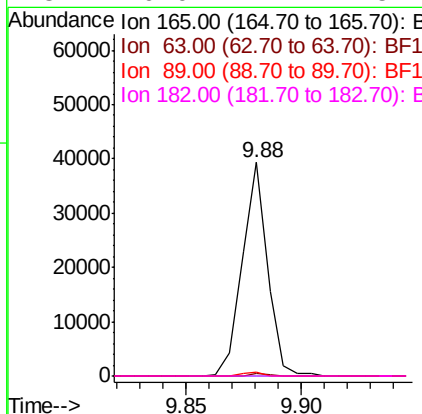
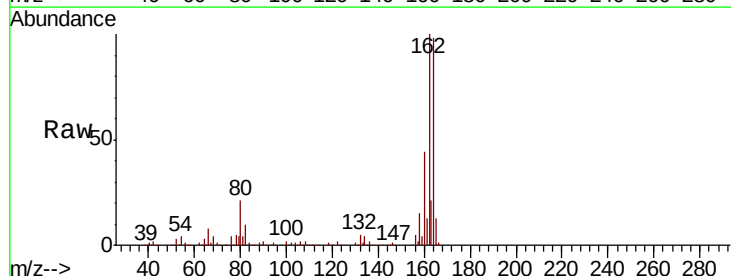
Instrument :
BNA_F
ClientSampleId :

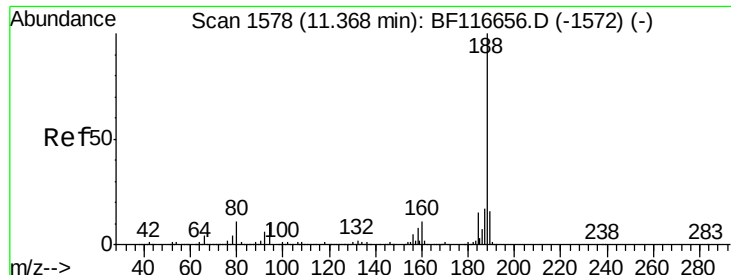
Tot Ion:184 Resp: 383
Ion Ratio Lower Upper
184 100
63 0.0 52.2 78.2#
154 62.4 60.8 91.2



#57
2,4-Dinitrotoluene
Concen: 8.107 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF116686.D
Acq: 31 Aug 2019 7:50

Tgt Ion:165 Resp: 30030
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 1.8 62.6 94.0#
182 0.0 2.1 3.1#

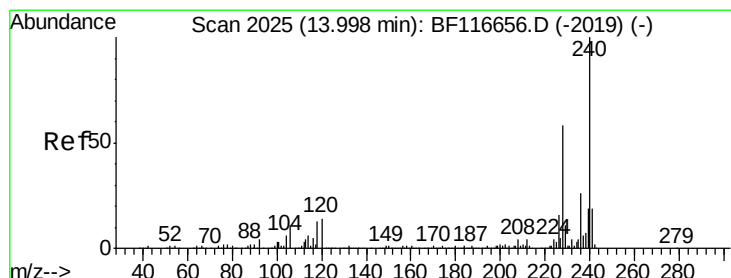
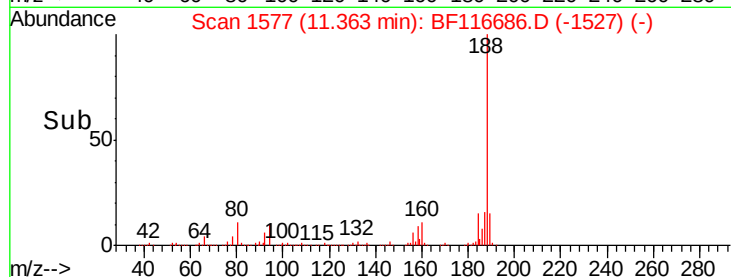
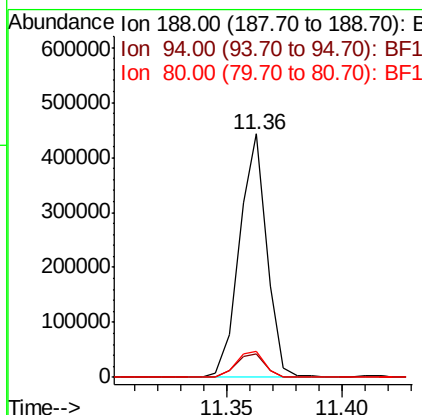
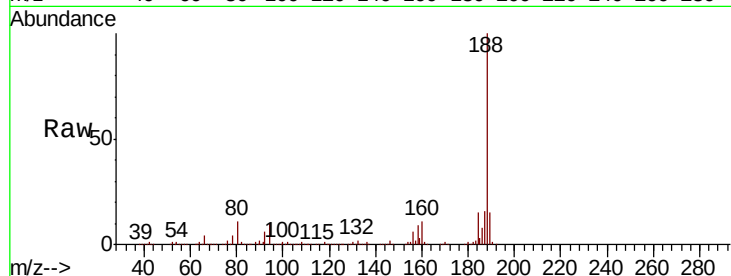




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116686.D
Acq: 31 Aug 2019 7:50

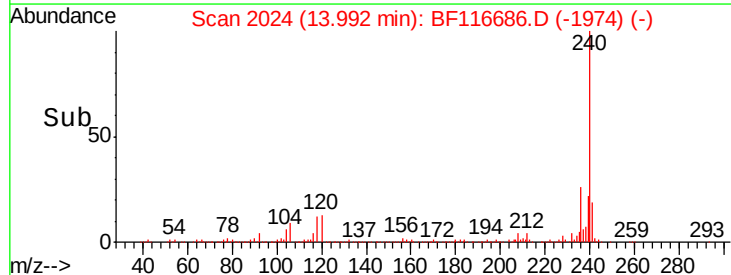
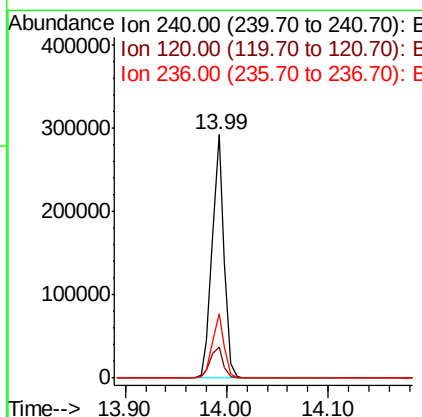
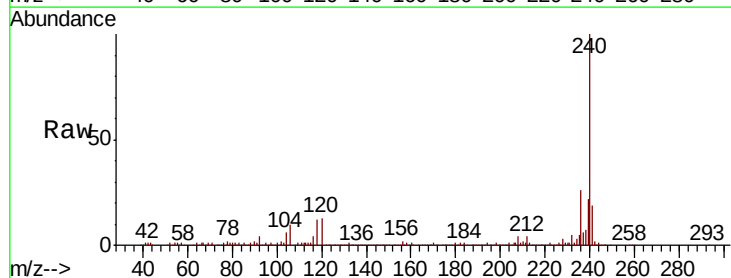
Instrument :
BNA_F
ClientSampled :

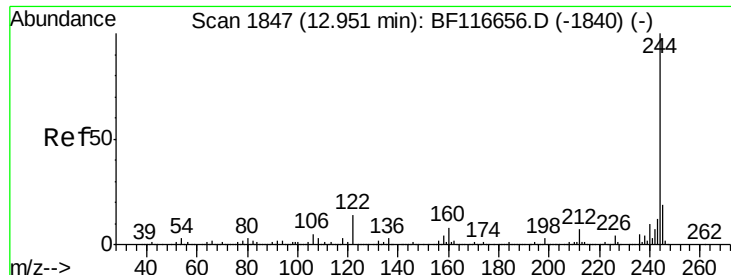
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.3	10.9
80	10.9	8.4	12.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116686.D
Acq: 31 Aug 2019 7:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.1	13.7
236	26.4	21.1	31.7

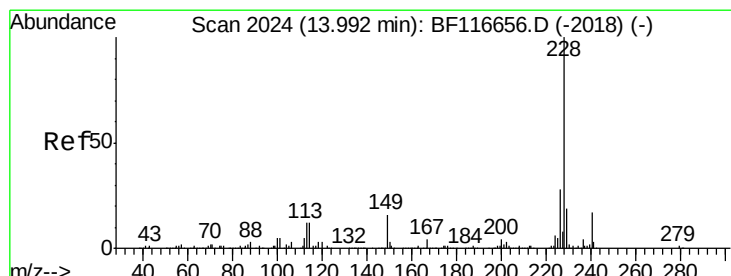
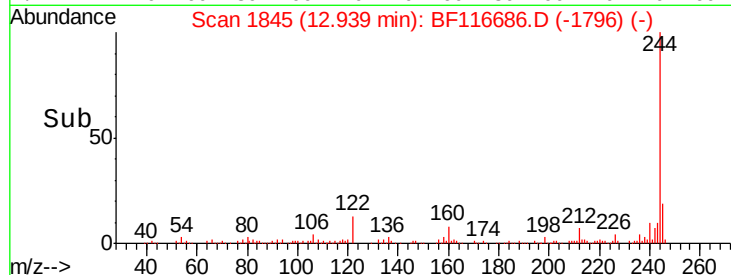
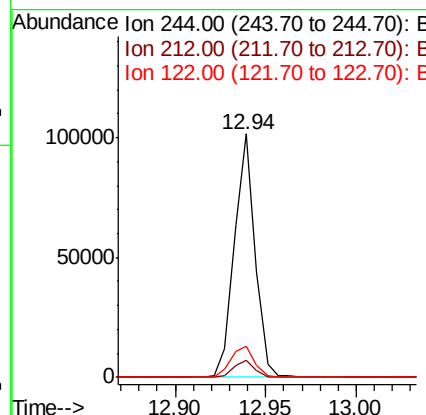
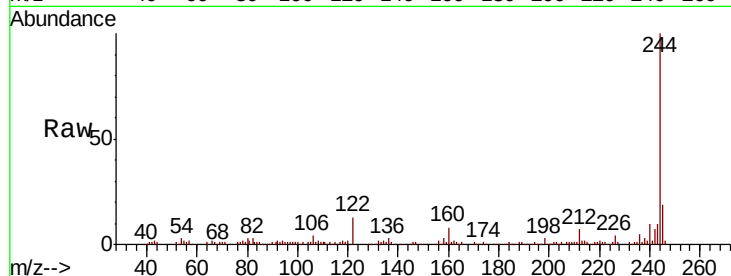




#79
 Terphenyl-d14
 Concen: 6.232 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116686.D
 Acq: 31 Aug 2019 7:50

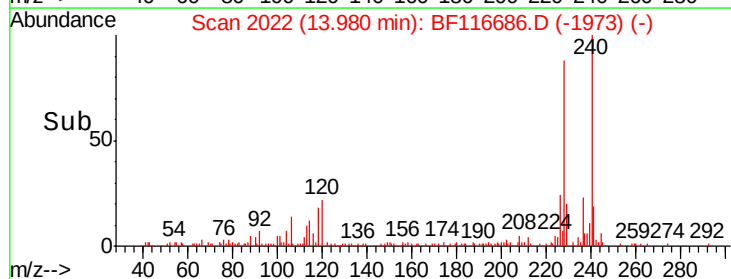
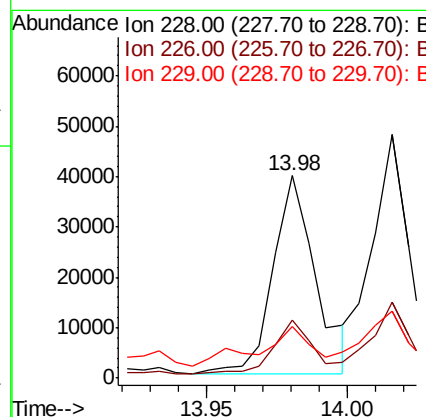
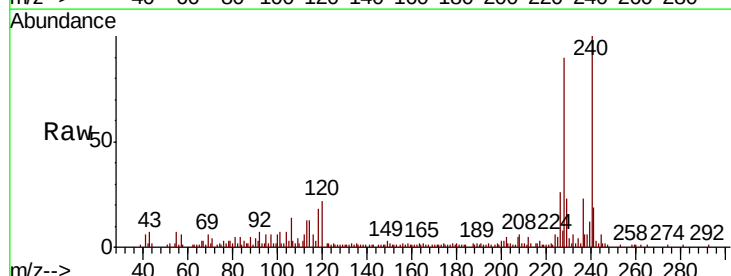
Instrument :
 BNA_F
 ClientSampleId :

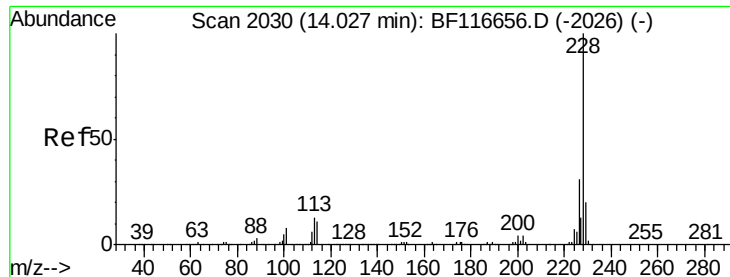
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	12.9	10.2	15.4



#81
 Benzo(a)anthracene
 Concen: 2.693 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF116686.D
 Acq: 31 Aug 2019 7:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.0	33.0
229	25.7	16.4	24.6





#83

Chrysene

Concen: 2.542 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF116686.D

Acq: 31 Aug 2019 7:50

Instrument :

BNA_F

ClientSampleId :

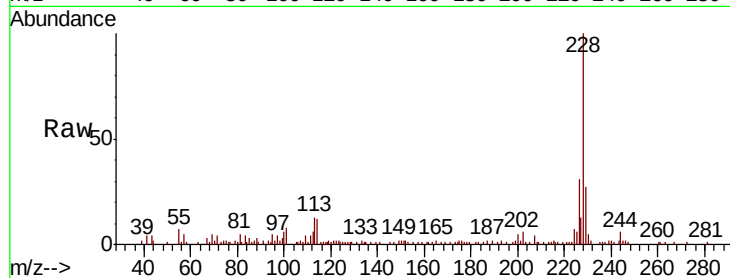
Tot Ion:228 Resp: 39939

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

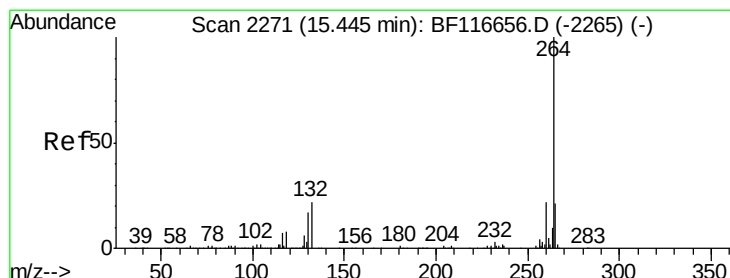
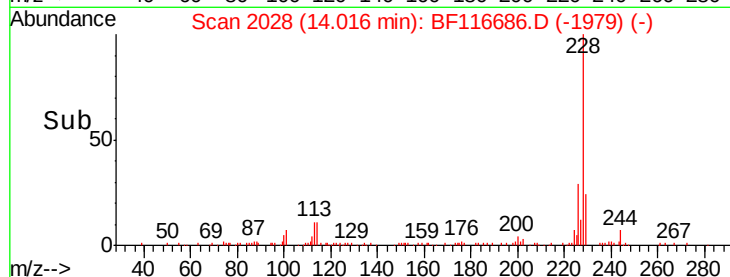
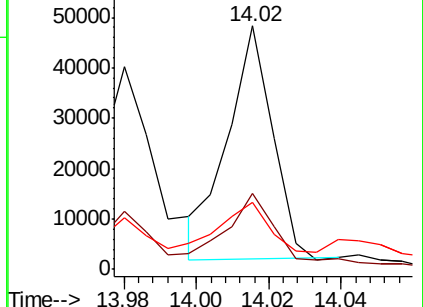
229 27.4 15.4 23.0#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF116686.D

Acq: 31 Aug 2019 7:50

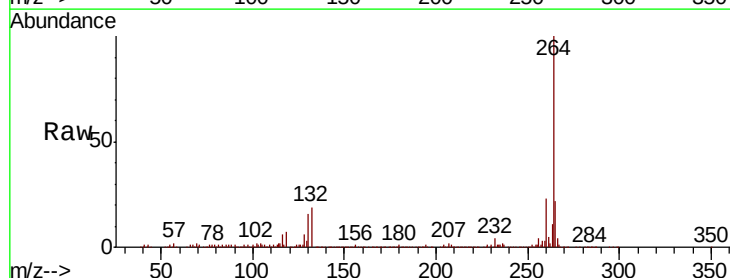
Tgt Ion:264 Resp: 255042

Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

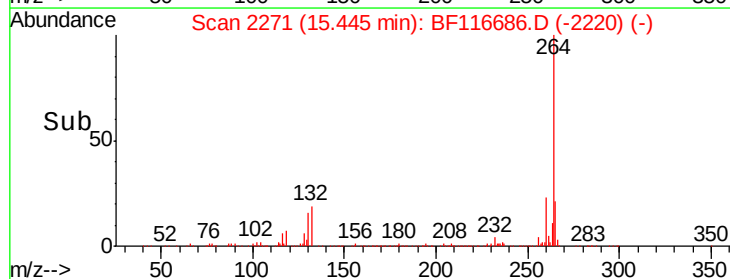
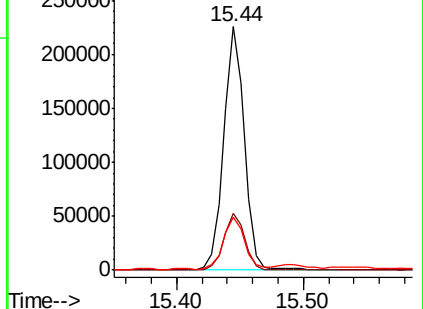
265 21.7 16.5 24.7

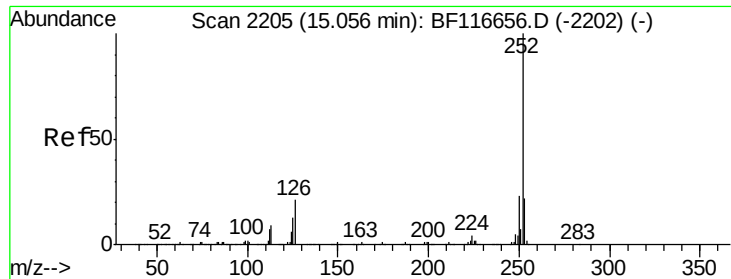


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

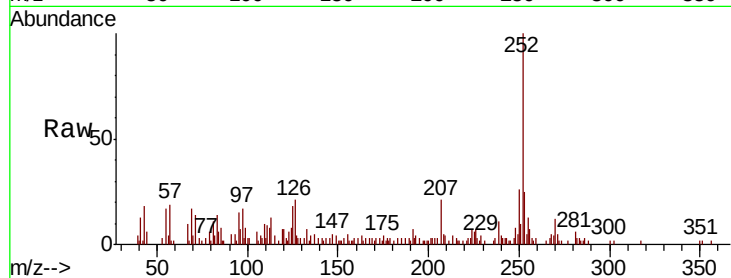




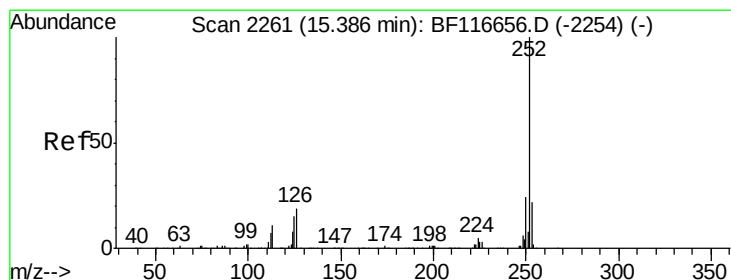
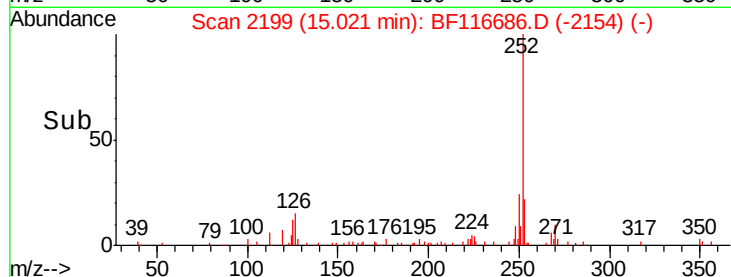
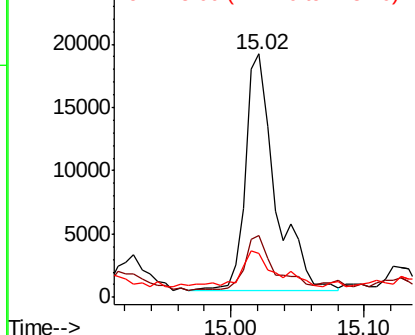
#89
Benzo(k)fluoranthene
Concen: 2.053 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116686.D
Acq: 31 Aug 2019 7:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 28861
Ion Ratio Lower Upper
252 100
253 25.3 17.7 26.5
125 17.9 8.6 13.0#

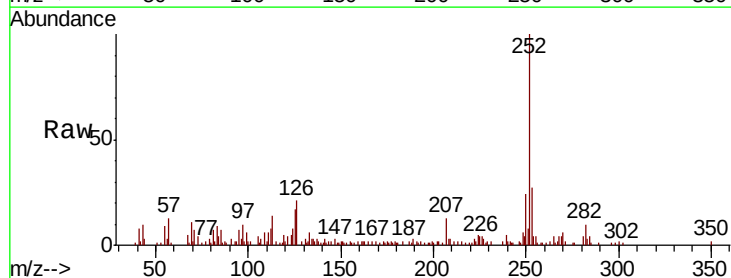


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

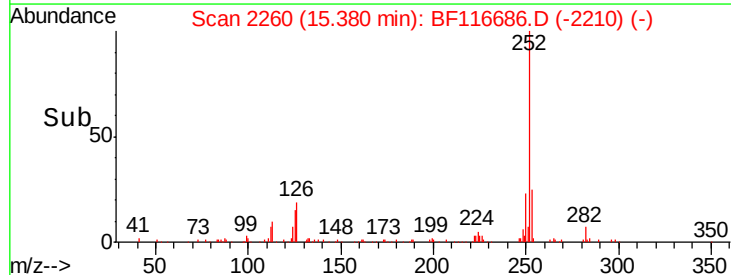
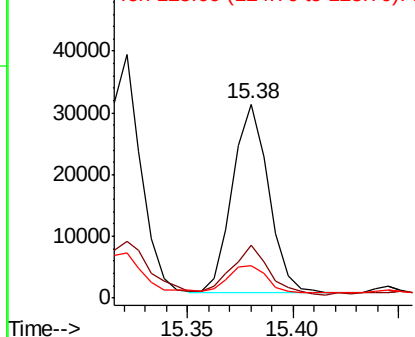


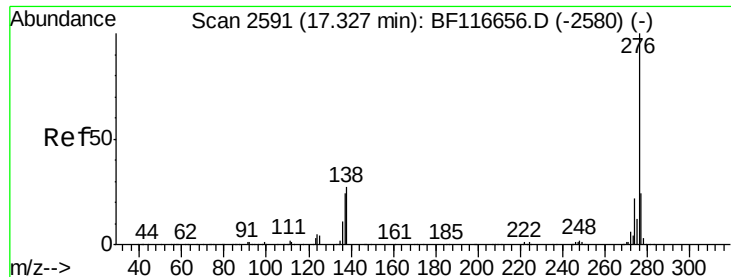
#90
Benzo(a)pyrene
Concen: 2.685 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116686.D
Acq: 31 Aug 2019 7:50

Tgt Ion:252 Resp: 36013
Ion Ratio Lower Upper
252 100
253 27.2 18.1 27.1#
125 17.0 9.8 14.8#



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

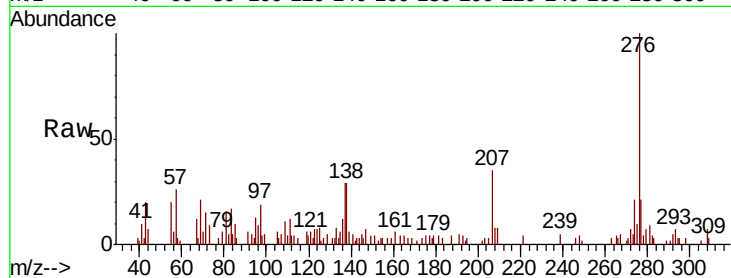




#92
 Benzo(a,h,i)perylene
 Concen: 2.316 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. -0.02 min
 Lab File: BF116686.D
 Acq: 31 Aug 2019 7:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.3	18.5	27.7
138	29.2	16.2	24.2



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

