

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116377.D
 Acq On : 18 Aug 2019 4:33
 Operator : HP/JU
 Sample : K4384-01 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 19 07:50:49 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

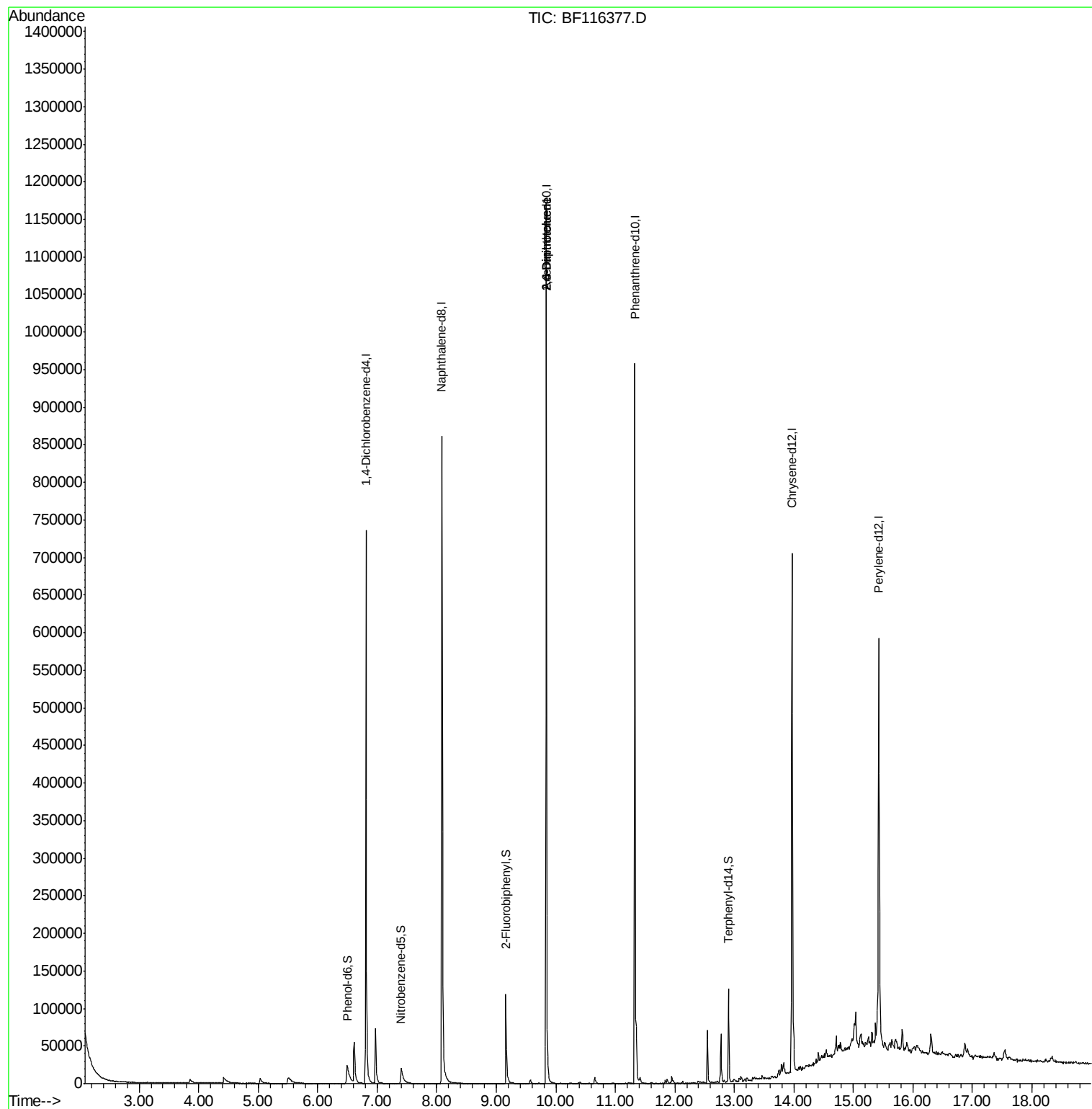
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	120491	20.00	ng	-0.04
21) Naphthalene-d8	8.09	136	484911	20.00	ng	-0.04
39) Acenaphthene-d10	9.84	164	237497	20.00	ng	-0.05
64) Phenanthrene-d10	11.33	188	357428	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	230440	20.00	ng	-0.04
87) Perylene-d12	15.43	264	261066	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	10473	1.46	ng	0.03
7) Phenol-d6	6.49	99	37117	4.09	ng	0.00
23) Nitrobenzene-d5	7.40	82	27032	3.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.65	330	2743	1.19	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	54880	4.33	ng	-0.04
79) Terphenyl-d14	12.90	244	41540	3.80	ng	-0.05
Target Compounds						
51) 2,6-Dinitrotoluene	9.84	165	30155	8.581	ng	# 29
57) 2,4-Dinitrotoluene	9.84	165	30155	6.445	ng	# 20

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

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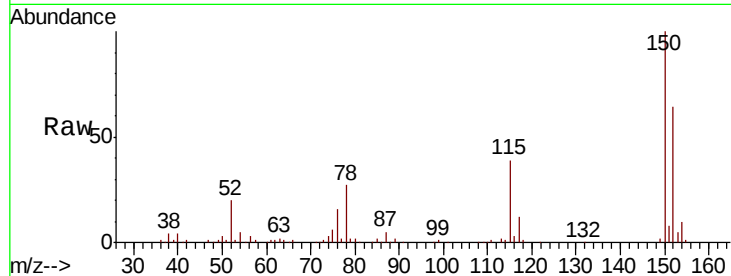


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.04 min
 Lab File: BF116377.D
 Acq: 18 Aug 2019 4:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.2	189.2
115	61.0	49.9	74.9

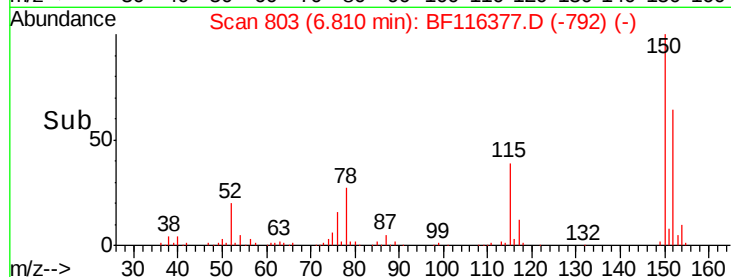
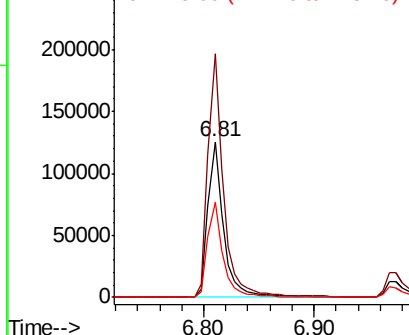


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

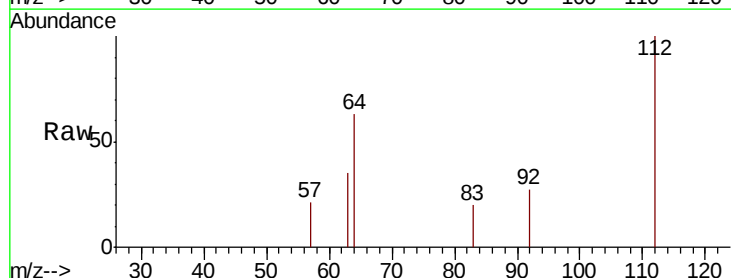
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 1.455 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.03 min
 Lab File: BF116377.D
 Acq: 18 Aug 2019 4:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	45.4	68.2
63	34.8	23.7	35.5

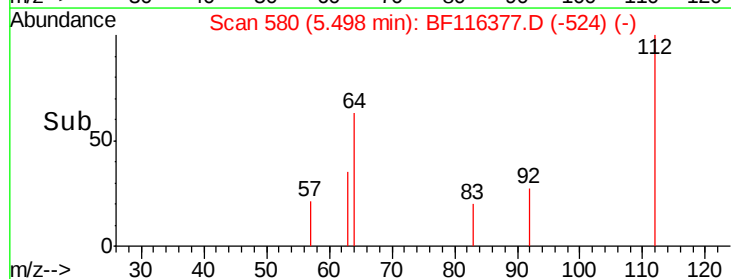
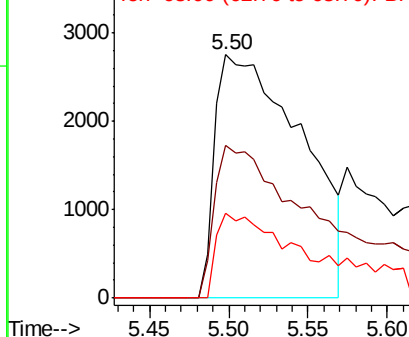


Abundance

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: 4.087 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF116377.D

Acq: 18 Aug 2019 4:33

Instrument :

BNA_F

ClientSampled :

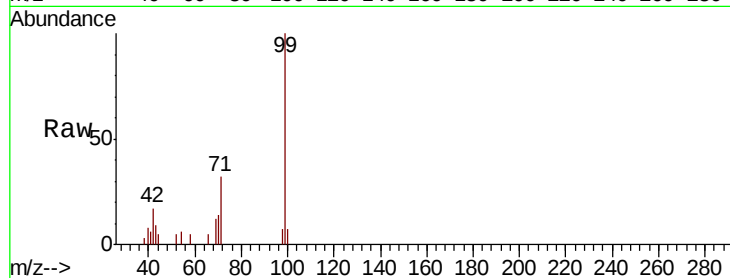
Tot Ion: 99 Resp: 37117

Ion Ratio Lower Upper

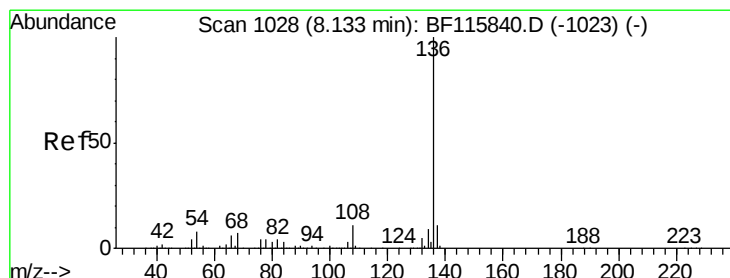
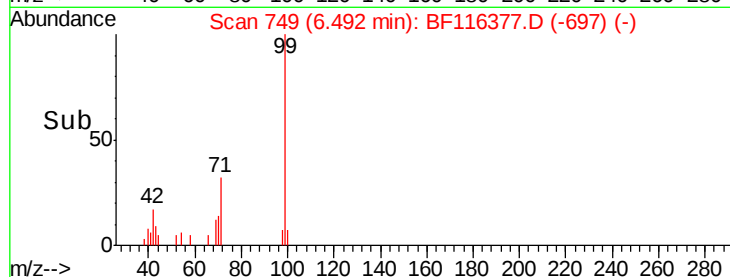
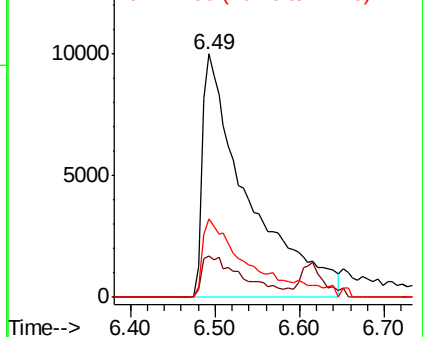
99 100

42 17.0 13.8 20.8

71 32.3 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.04 min

Lab File: BF116377.D

Acq: 18 Aug 2019 4:33

Tgt Ion: 136 Resp: 484911

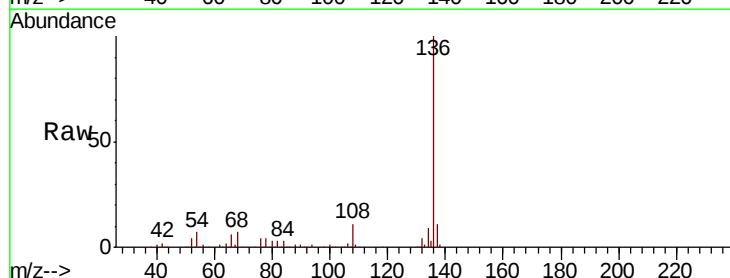
Ion Ratio Lower Upper

136 100

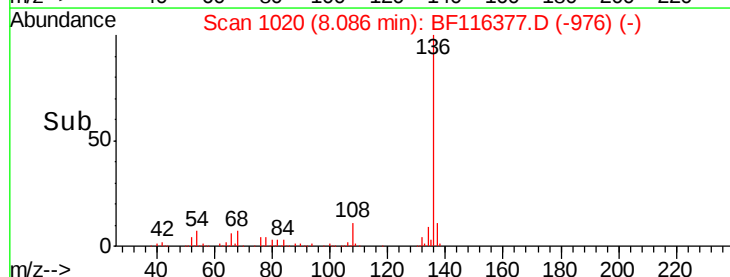
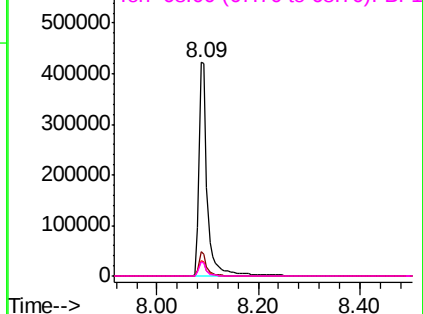
137 11.4 9.0 13.4

54 7.3 5.8 8.6

68 6.7 5.2 7.8



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

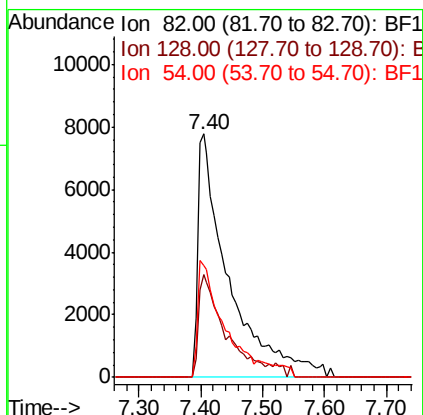
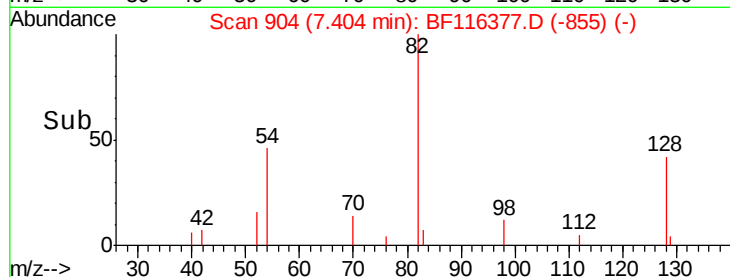
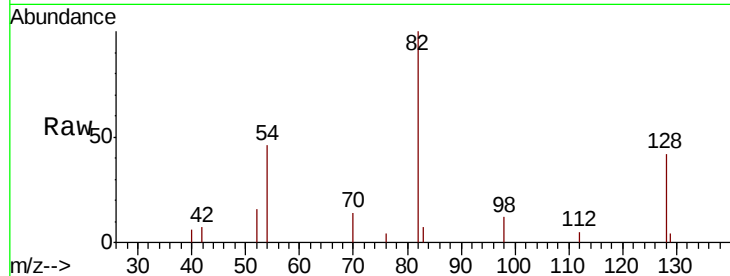




#23
 Nitrobenzene-d5
 Concen: 3.218 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116377.D
 Acq: 18 Aug 2019 4:33

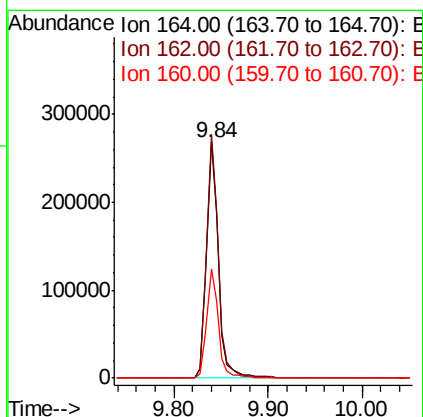
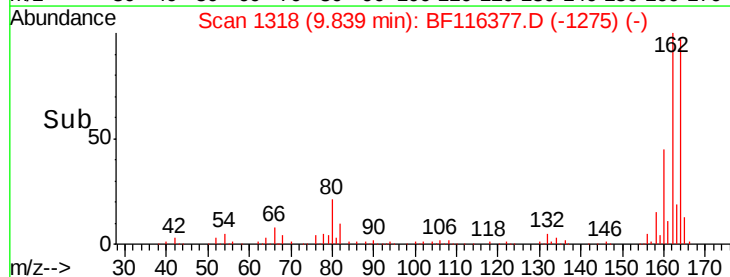
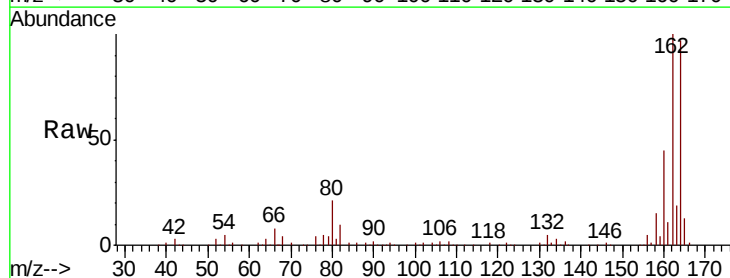
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 27032
 Ion Ratio Lower Upper
 82 100
 128 42.2 36.5 54.7
 54 46.0 36.0 54.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.05 min
 Lab File: BF116377.D
 Acq: 18 Aug 2019 4:33

Tgt Ion: 164 Resp: 237497
 Ion Ratio Lower Upper
 164 100
 162 103.3 82.6 124.0
 160 46.4 37.6 56.4

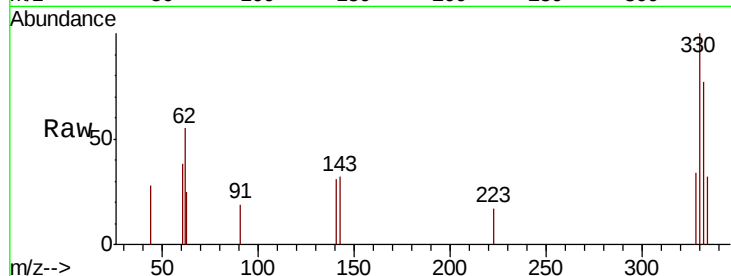




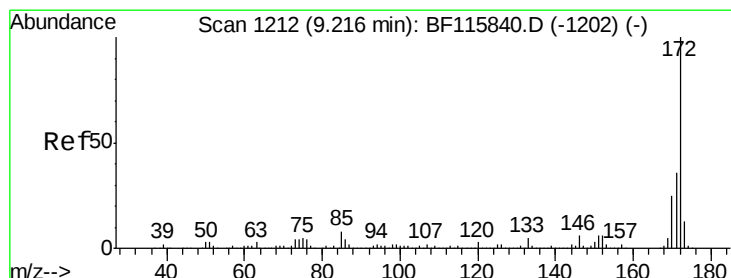
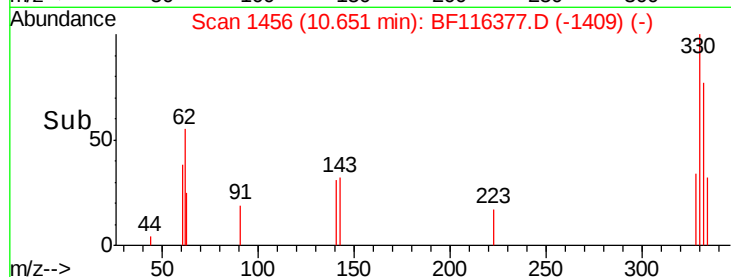
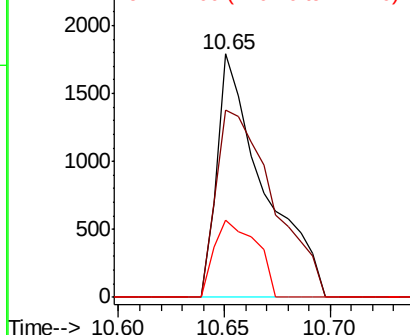
#42
 2,4,6-Tribromophenol
 Concen: 1.191 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.02 min
 Lab File: BF116377.D
 Acq: 18 Aug 2019 4:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 2743
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.8 115.2
 141 28.6 26.3 39.5

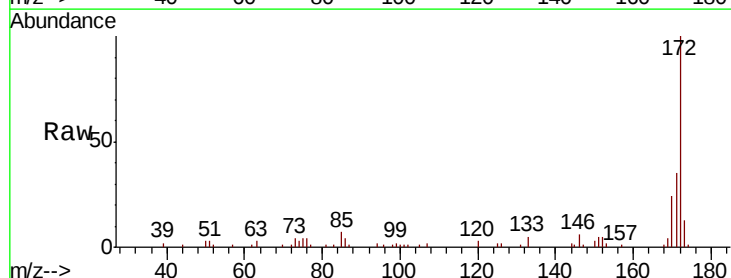


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

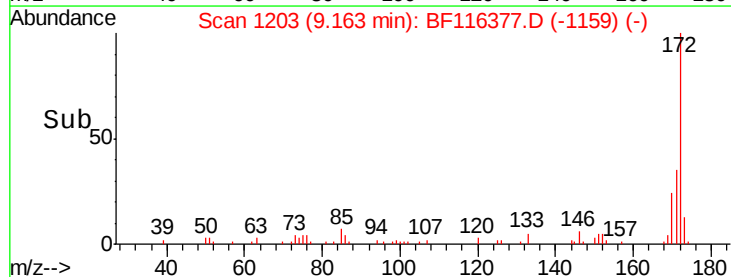
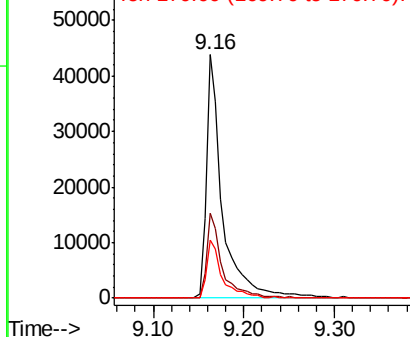


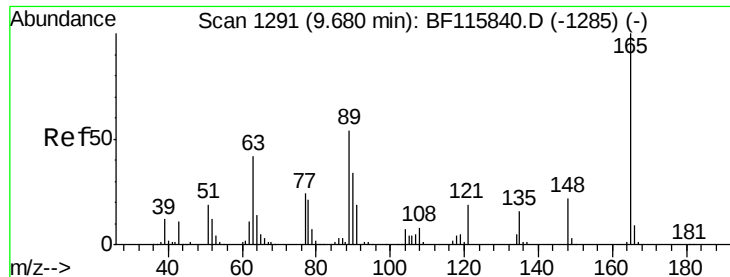
#45
 2-Fluorobiphenyl
 Concen: 4.328 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.04 min
 Lab File: BF116377.D
 Acq: 18 Aug 2019 4:33

Tgt Ion:172 Resp: 54880
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.6 44.4
 170 23.7 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

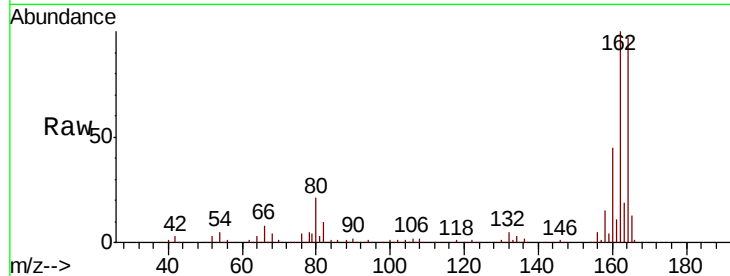




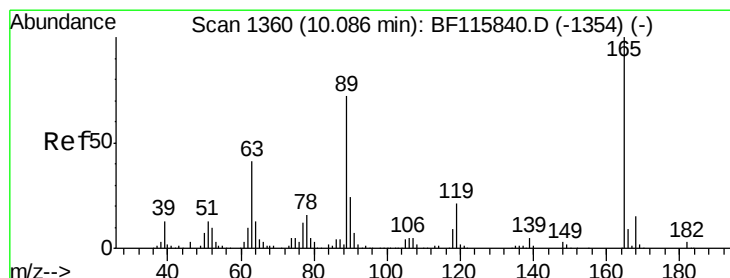
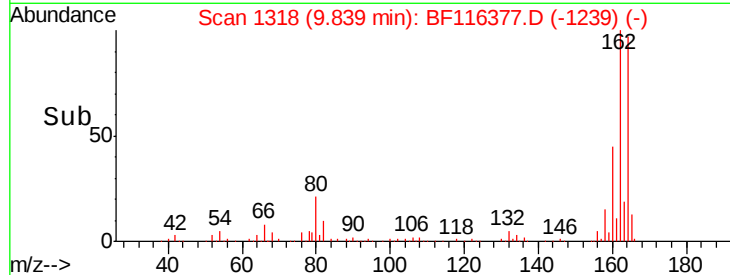
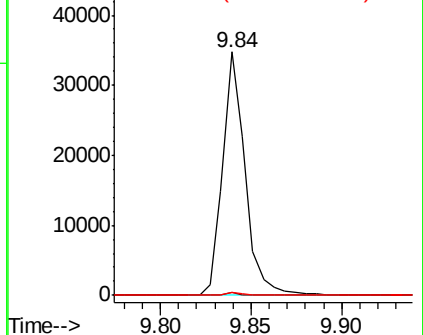
#51
 2,6-Dinitrotoluene
 Concen: 8.581 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.16 min
 Lab File: BF116377.D
 Acq: 18 Aug 2019 4:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	38.2	57.2#
89	1.4	42.9	64.3#



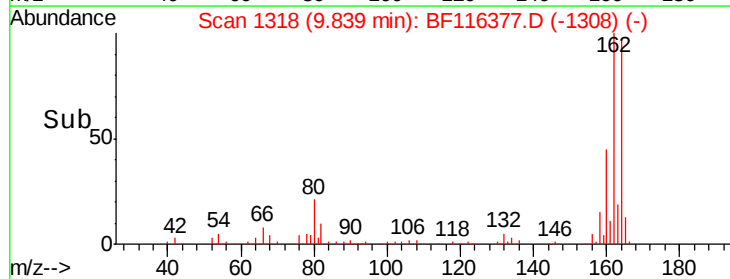
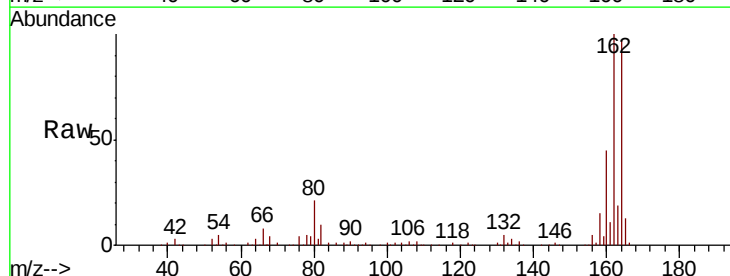
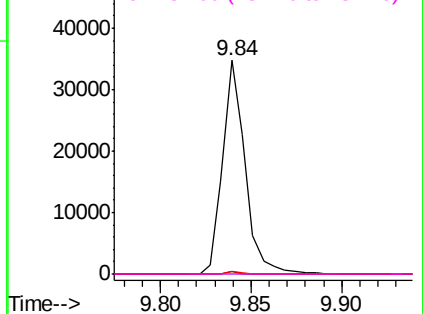
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

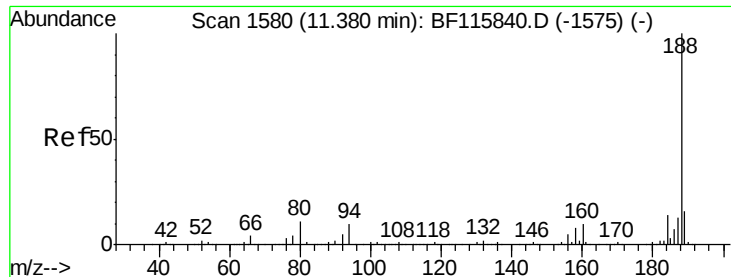


#57
 2,4-Dinitrotoluene
 Concen: 6.445 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.24 min
 Lab File: BF116377.D
 Acq: 18 Aug 2019 4:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.6	59.4#
89	1.4	62.2	93.2#
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

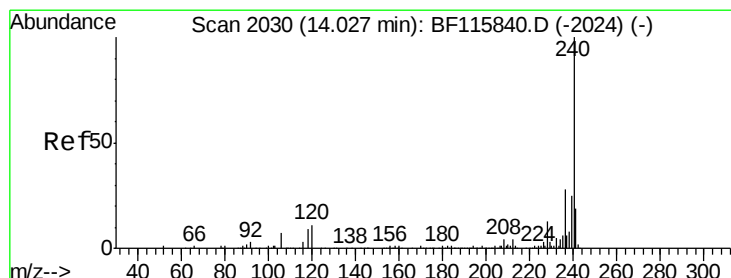
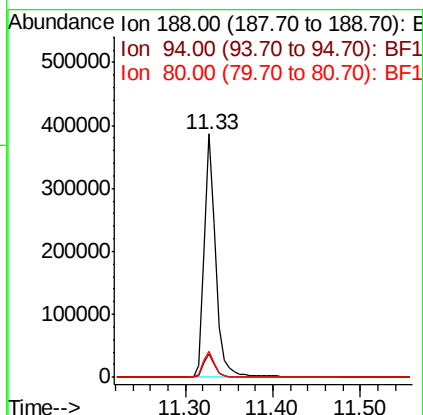
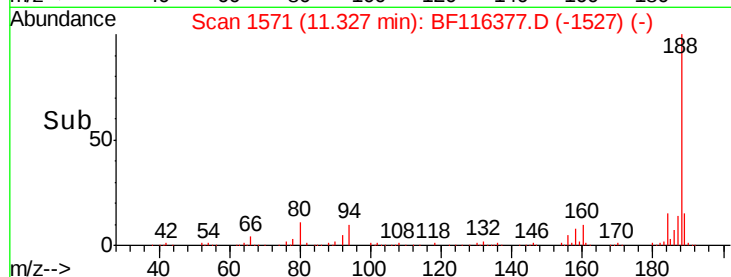
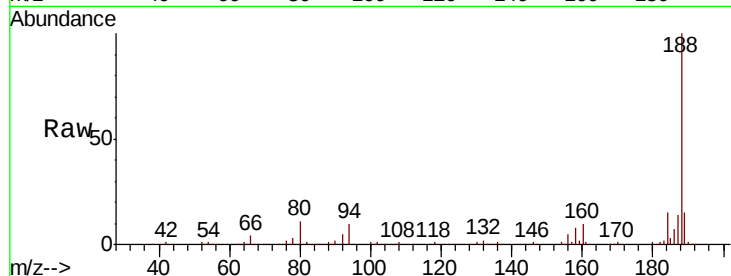




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.04 min
Lab File: BF116377.D
Acq: 18 Aug 2019 4:33

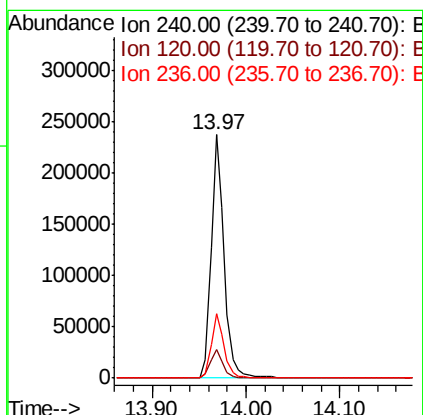
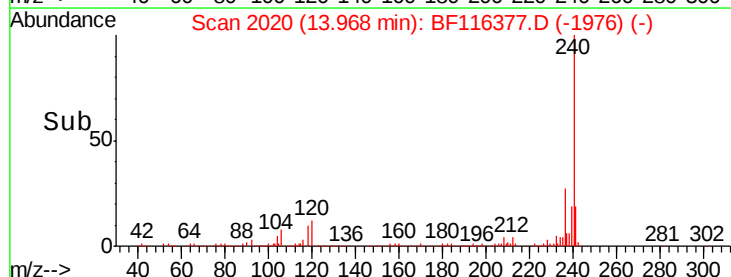
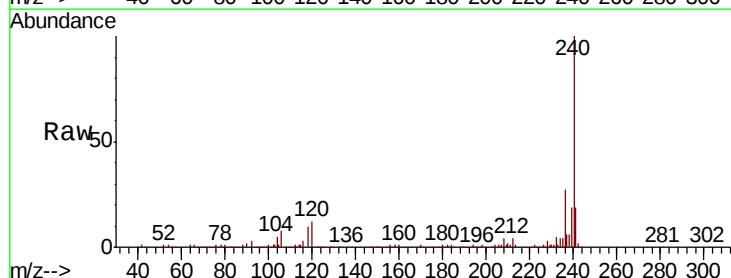
Instrument :
BNA_F
ClientSampled :

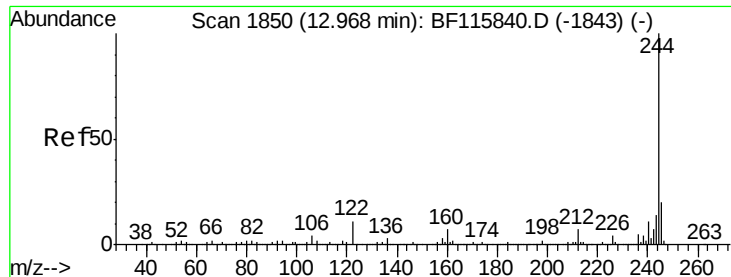
Tot Ion:188 Resp: 357428
Ion Ratio Lower Upper
188 100
94 9.8 8.1 12.1
80 10.7 8.7 13.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.04 min
Lab File: BF116377.D
Acq: 18 Aug 2019 4:33

Tgt Ion:240 Resp: 230440
Ion Ratio Lower Upper
240 100
120 11.6 10.7 16.1
236 26.6 22.2 33.2





#79

Terphenyl-d14

Concen: 3.798 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.05 min

Lab File: BF116377.D

Acq: 18 Aug 2019 4:33

Instrument :

BNA_F

ClientSampleId :

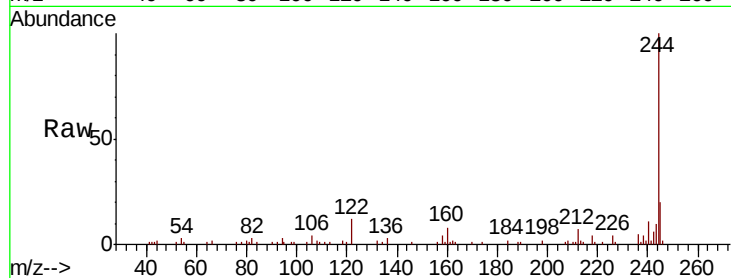
Tot Ion:244 Resp: 41540

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

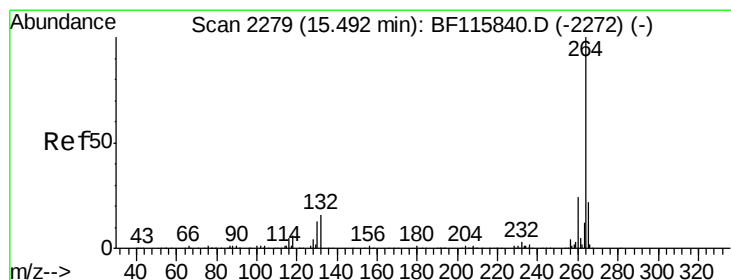
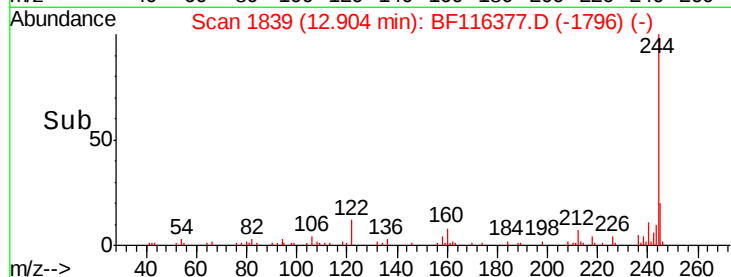
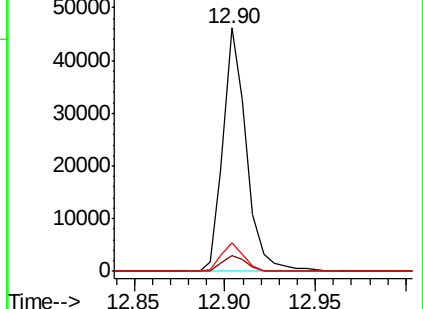
122 11.8 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.05 min

Lab File: BF116377.D

Acq: 18 Aug 2019 4:33

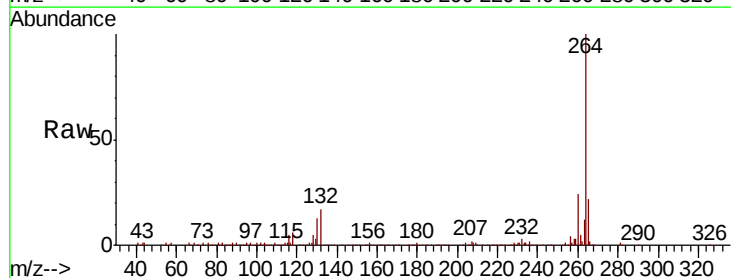
Tgt Ion:264 Resp: 261066

Ion Ratio Lower Upper

264 100

260 23.8 19.7 29.5

265 21.7 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

