

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116405.D
 Acq On : 19 Aug 2019 23:17
 Operator : HP/JU
 Sample : K4290-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2

Quant Time: Aug 20 01:44:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

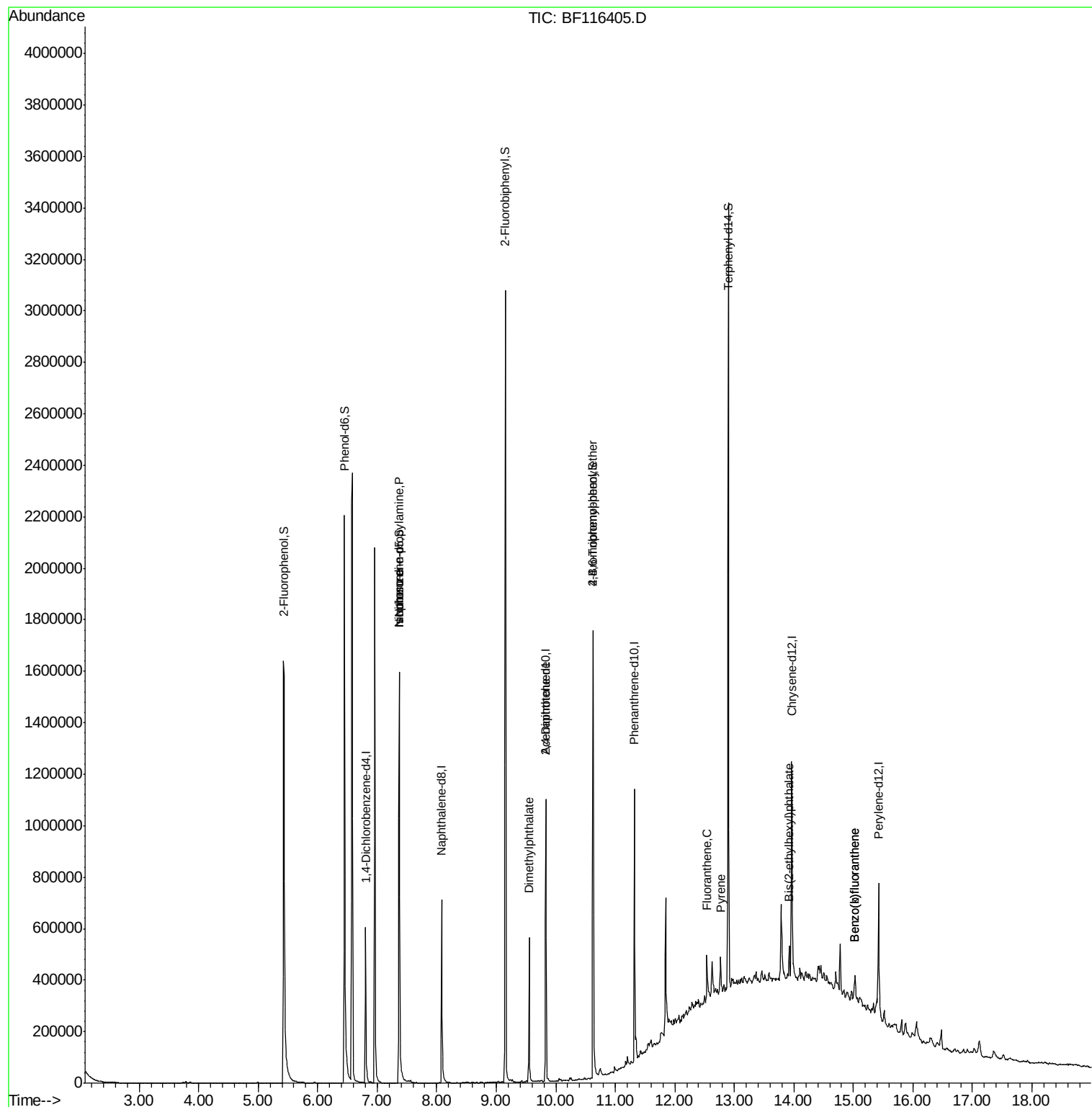
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	97965	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	378329	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	206062	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	379606	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	284336	20.00	ng	-0.02
87) Perylene-d12	15.42	264	272746	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	679053	116.04	ng	0.00
7) Phenol-d6	6.45	99	880961	119.32	ng	-0.01
23) Nitrobenzene-d5	7.37	82	561351	85.65	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	247852	124.06	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	991122	90.09	ng	-0.02
79) Terphenyl-d14	12.90	244	1169618	86.68	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	73810	16.133	ng	Qvalue # 79
25) Isophorone	7.37	82	561351	44.791	ng	# 65
50) Dimethylphthalate	9.55	163	233439	16.638	ng	99
57) 2,4-Dinitrotoluene	9.83	165	26376	6.497	ng	# 20
67) 4-Bromophenyl-phenylether	10.63	248	14854	3.655	ng	# 1
75) Fluoranthene	12.54	202	60305	2.968	ng	98
78) Pyrene	12.77	202	48235	2.250	ng	97
84) Bis(2-ethylhexyl)phthalate	13.92	149	35827	3.041	ng	98
88) Benzo(b)fluoranthene	15.01	252	35274	2.237	ng	# 78
89) Benzo(k)fluoranthene	15.01	252	35274	2.296	ng	# 78

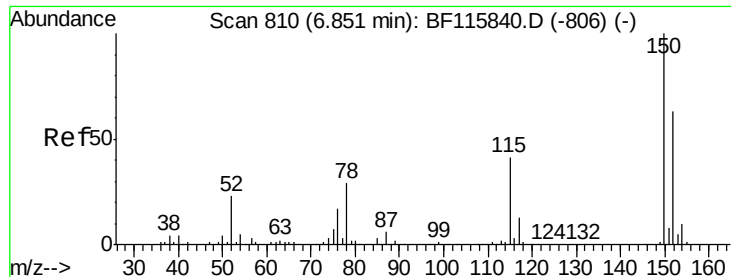
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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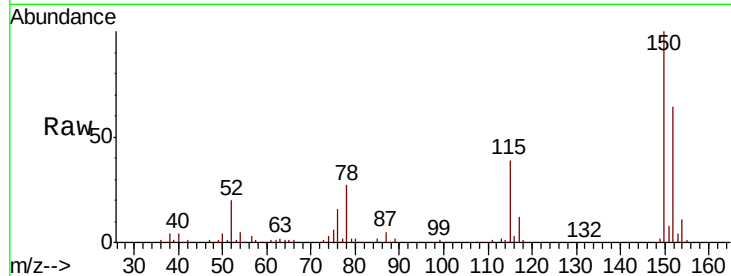


#1

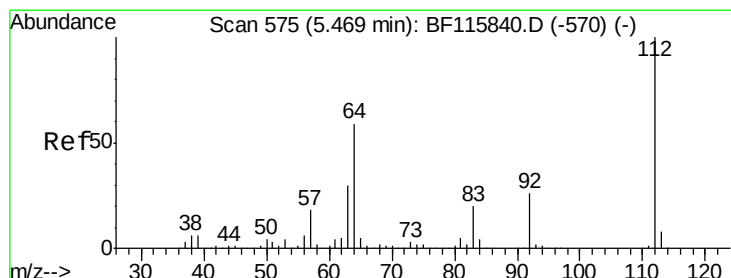
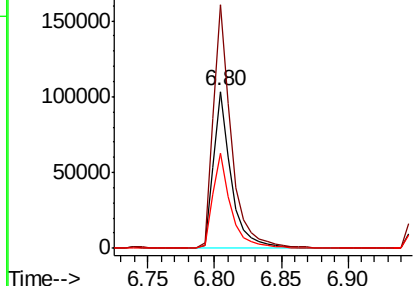
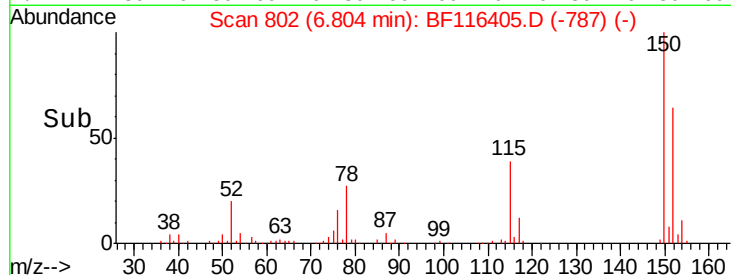
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116405.D
Acq: 19 Aug 2019 23:17

Instrument :
BNA_F
ClientSampleId :
B-2

Tgt Ion:152 Resp: 97965
Ion Ratio Lower Upper
152 100
150 155.4 126.2 189.2
115 60.9 49.9 74.9



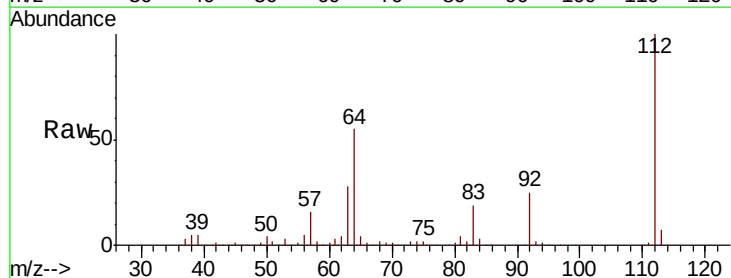
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



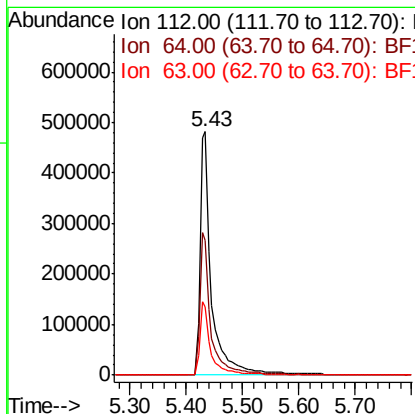
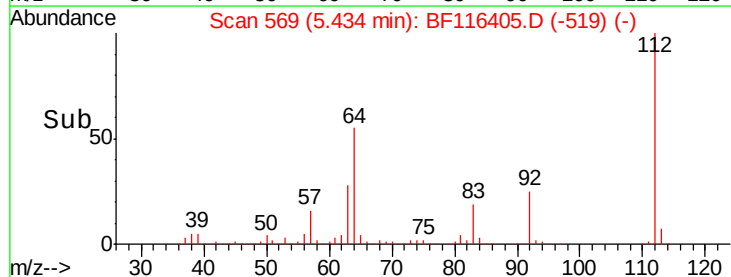
#5

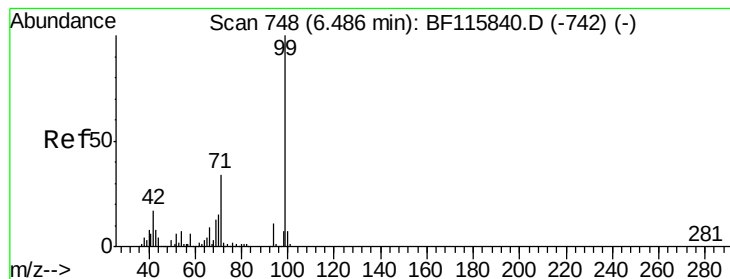
2-Fluorophenol
Concen: 116.039 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF116405.D
Acq: 19 Aug 2019 23:17

Tgt Ion:112 Resp: 679053
Ion Ratio Lower Upper
112 100
64 55.1 45.4 68.2
63 28.0 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: 119.319 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116405.D

Acq: 19 Aug 2019 23:17

Instrument :

BNA_F

ClientSampled :

B-2

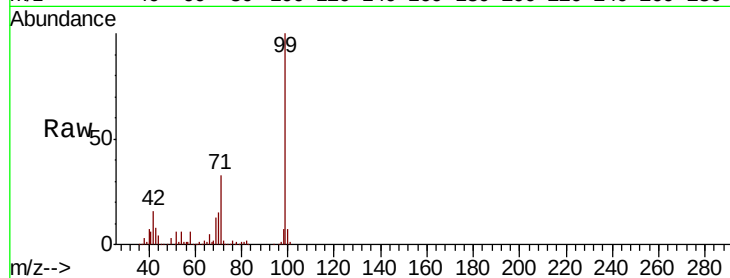
Tgt Ion: 99 Resp: 880961

Ion Ratio Lower Upper

99 100

42 16.0 13.8 20.8

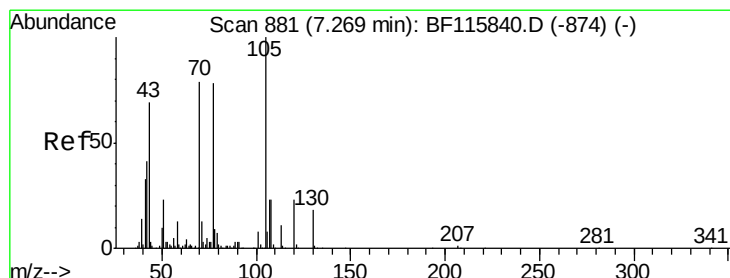
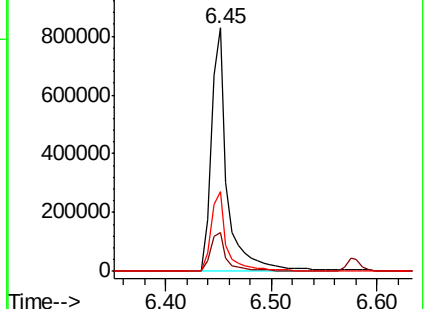
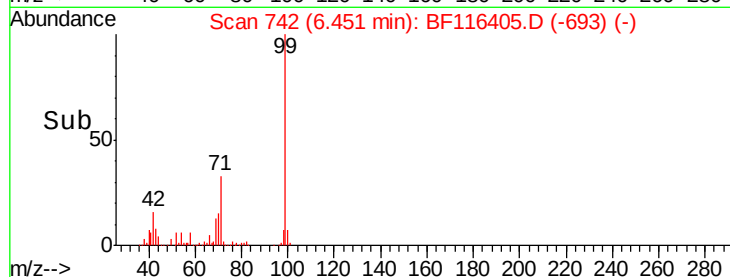
71 32.7 27.3 40.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.133 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF116405.D

Acq: 19 Aug 2019 23:17

Tgt Ion: 70 Resp: 73810

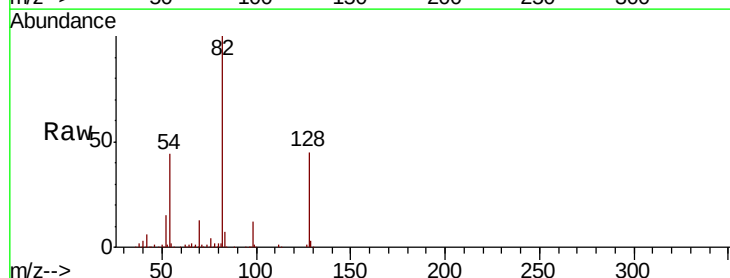
Ion Ratio Lower Upper

70 100

42 42.8 40.9 61.3

101 0.0 7.9 11.9#

130 2.3 16.9 25.3#

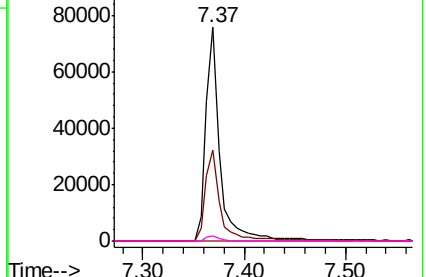
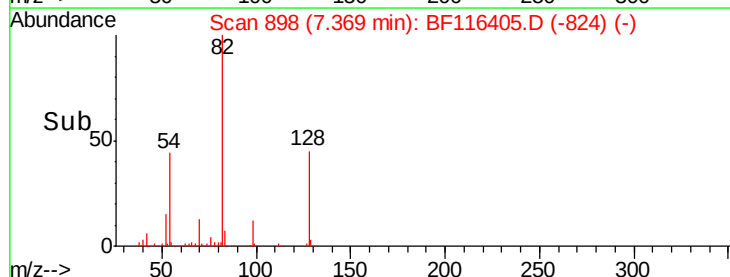


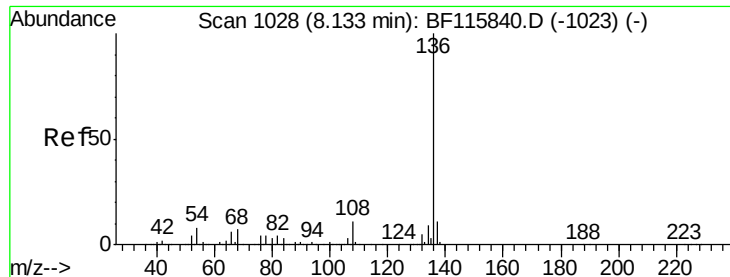
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

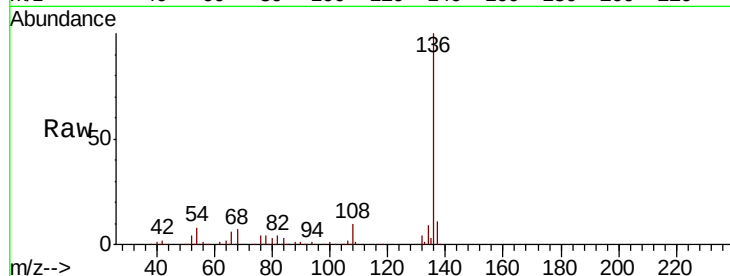




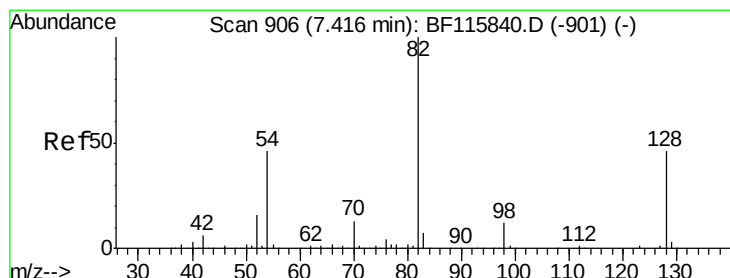
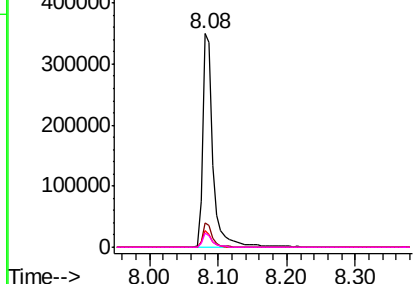
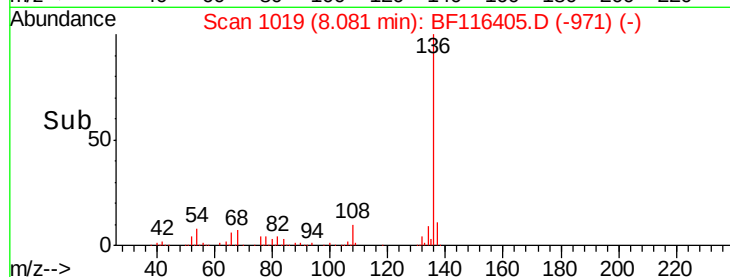
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF116405.D
Acq: 19 Aug 2019 23:17

Instrument :
BNA_F
ClientSampled :
B-2

Tgt Ion:	136	Resp:	378329
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.7	5.8	8.6
68	6.6	5.2	7.8

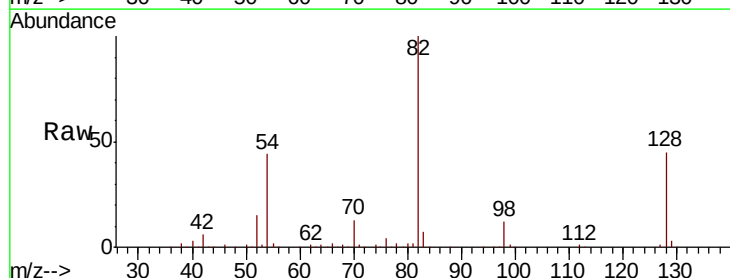


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

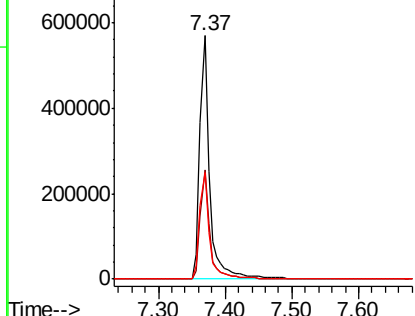
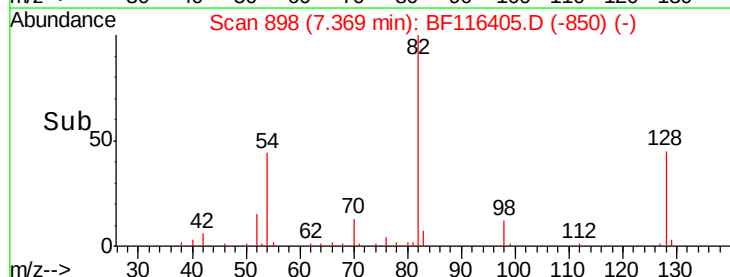


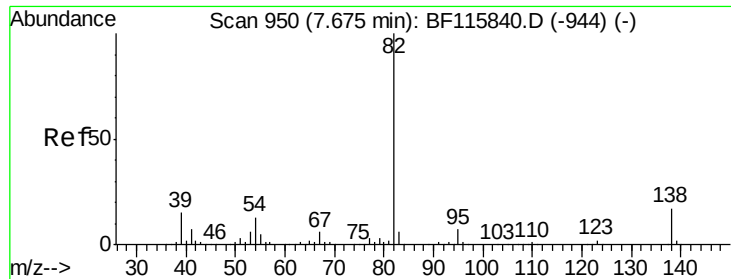
#23
Nitrobenzene-d5
Concen: 85.647 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF116405.D
Acq: 19 Aug 2019 23:17

Tgt Ion:	82	Resp:	561351
Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.5	54.7
54	43.8	36.0	54.0



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





#25

Isophorone

Concen: 44.791 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF116405.D

Acq: 19 Aug 2019 23:17

Instrument :

BNA_F

ClientSampleId :

B-2

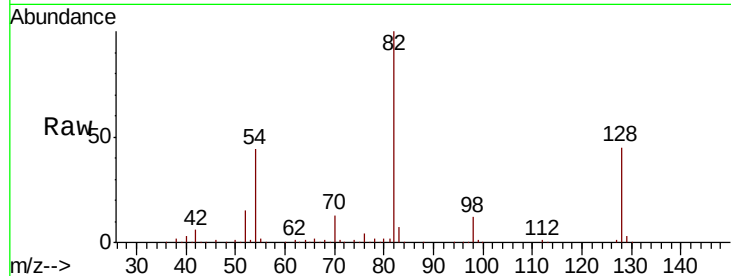
Tgt Ion: 82 Resp: 561351

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

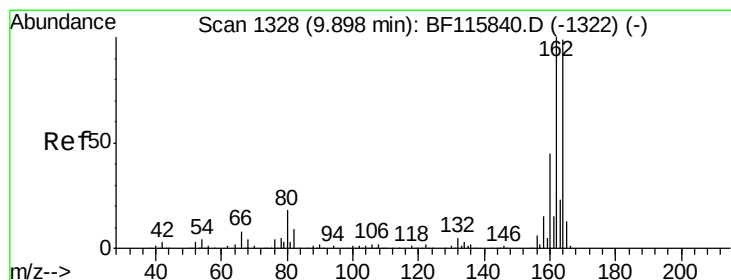
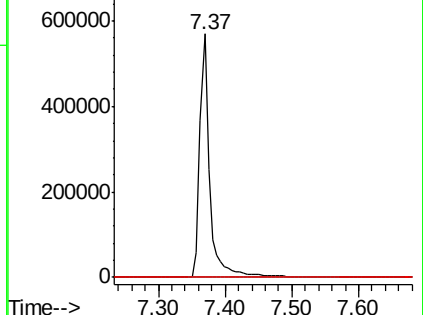
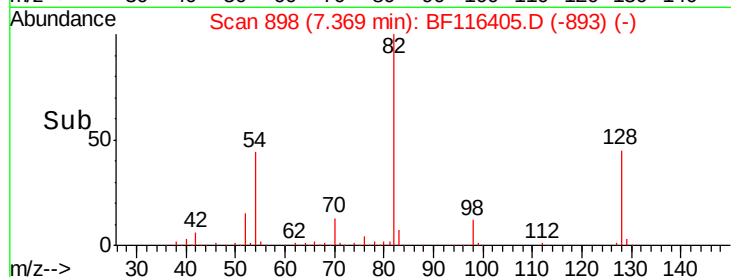
138 0.0 14.5 21.7#



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: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF116405.D

Acq: 19 Aug 2019 23:17

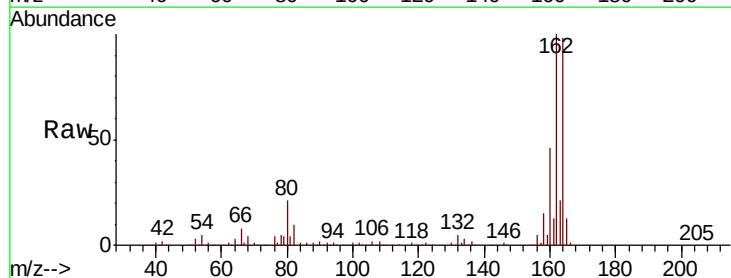
Tgt Ion: 164 Resp: 206062

Ion Ratio Lower Upper

164 100

162 101.8 82.6 124.0

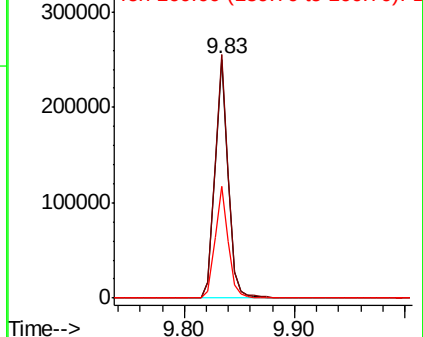
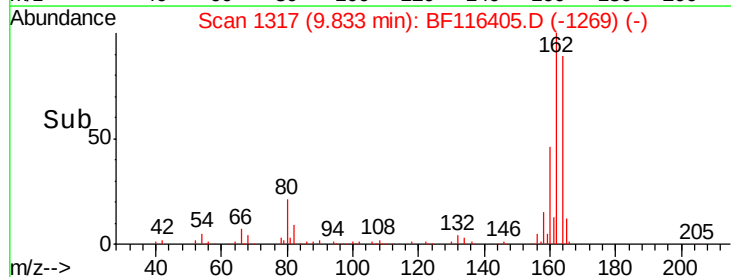
160 46.6 37.6 56.4

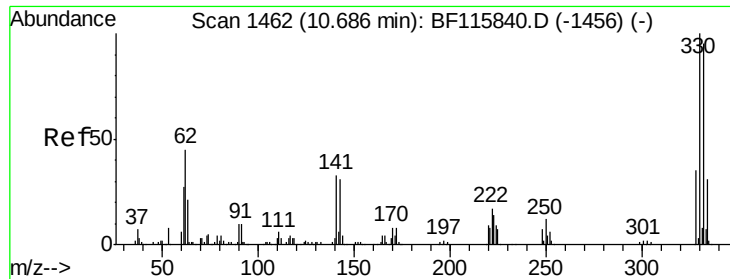


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 124.061 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BF116405.D

Acq: 19 Aug 2019 23:17

Instrument :

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ClientSampleId :

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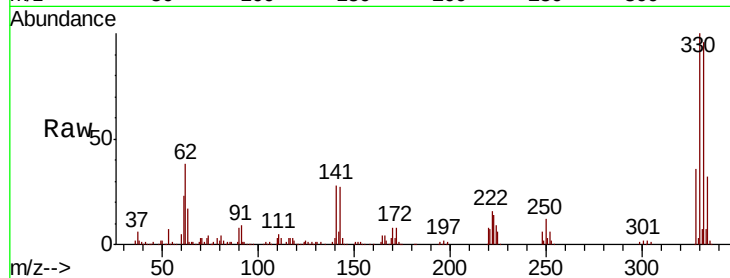
Tgt Ion:330 Resp: 247852

Ion Ratio Lower Upper

330 100

332 94.5 76.8 115.2

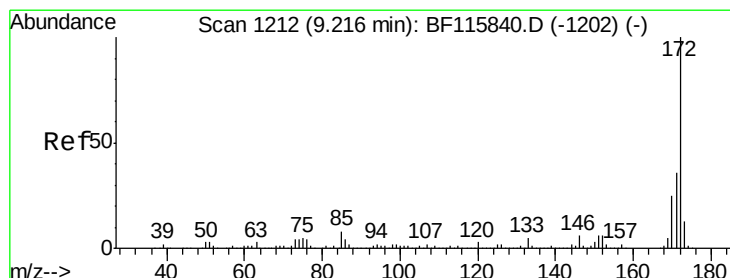
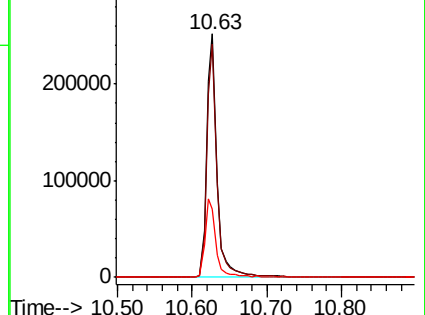
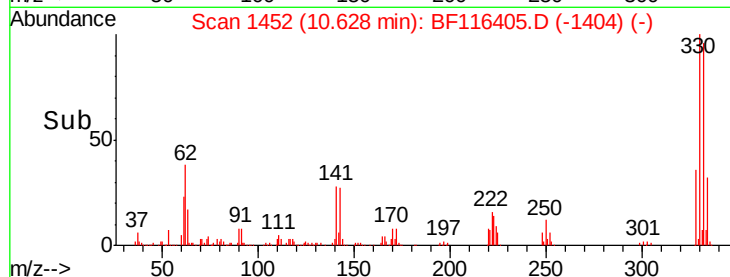
141 34.0 26.3 39.5



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: 90.092 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.02 min

Lab File: BF116405.D

Acq: 19 Aug 2019 23:17

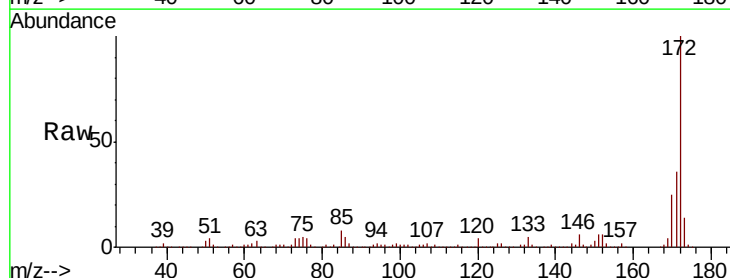
Tgt Ion:172 Resp: 991122

Ion Ratio Lower Upper

172 100

171 36.1 29.6 44.4

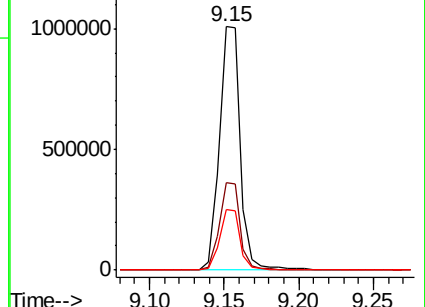
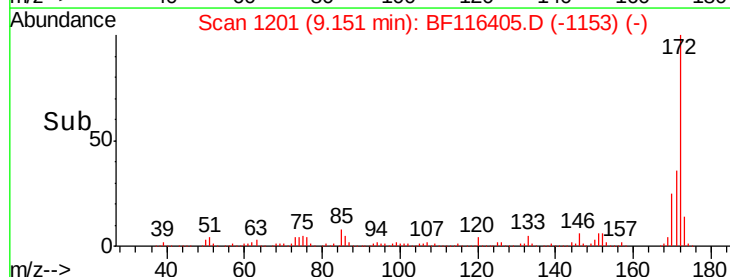
170 24.6 20.1 30.1

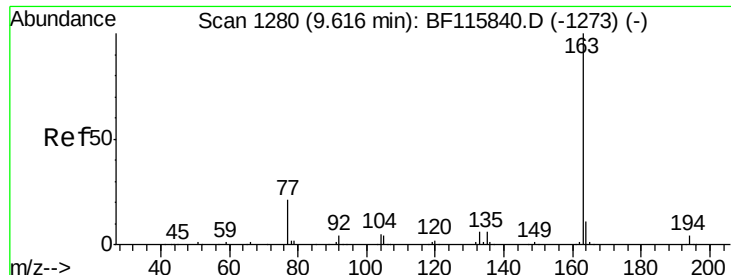


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

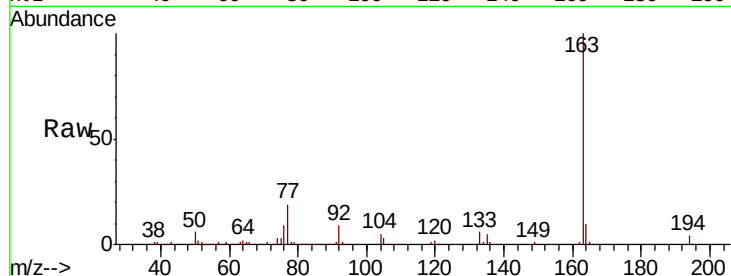




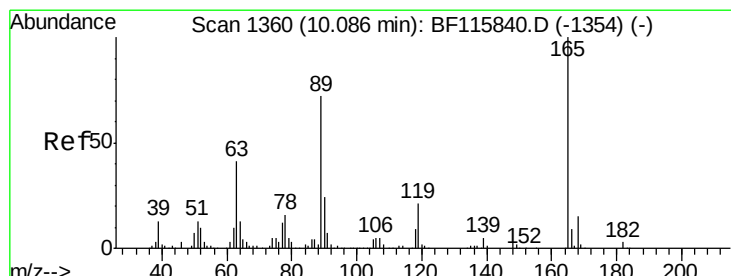
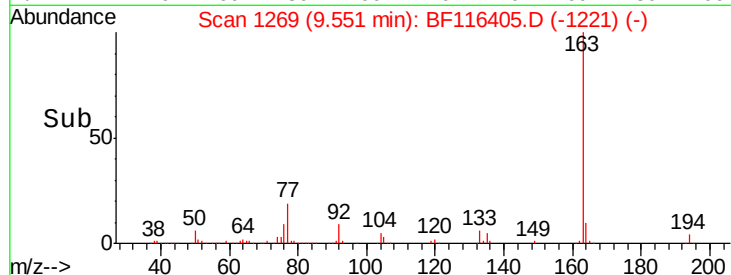
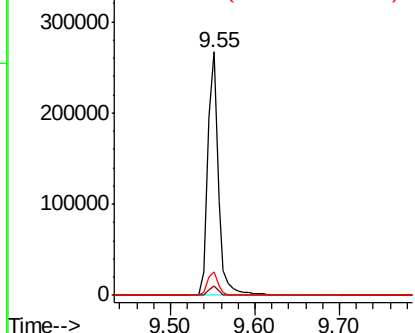
#50
Dimethylphthalate
Concen: 16.638 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF116405.D
Acq: 19 Aug 2019 23:17

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	163	Resp:	233439
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	9.8	8.4	12.6

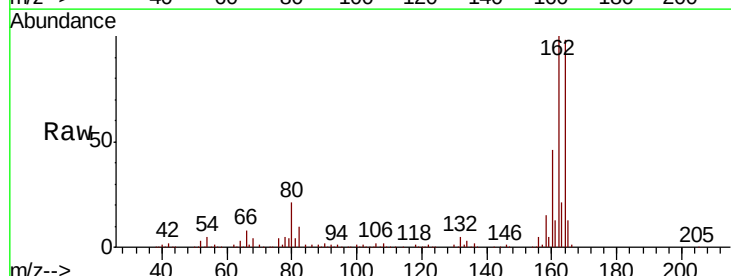


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

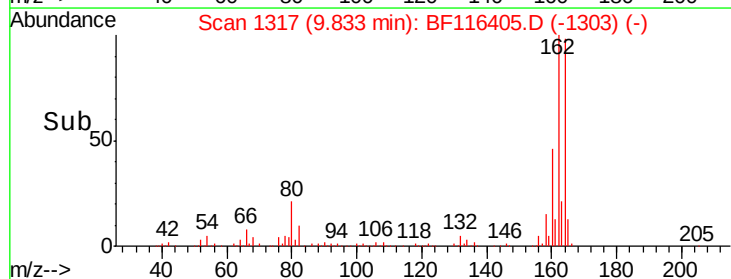
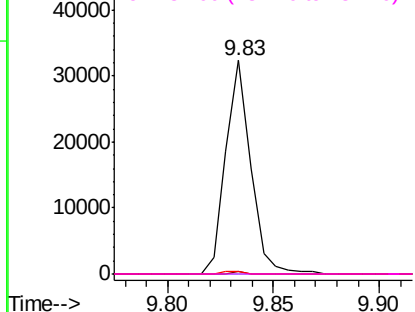


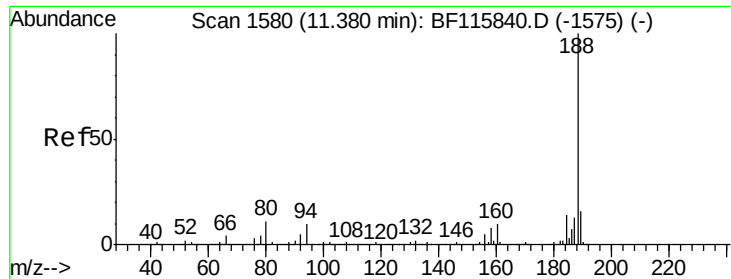
#57
2,4-Dinitrotoluene
Concen: 6.497 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.22 min
Lab File: BF116405.D
Acq: 19 Aug 2019 23:17

Tgt Ion:	165	Resp:	26376
Ion	Ratio	Lower	Upper
165	100		
63	1.0	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: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF116405.D

Acq: 19 Aug 2019 23:17

Instrument :

BNA_F

ClientSampled :

B-2

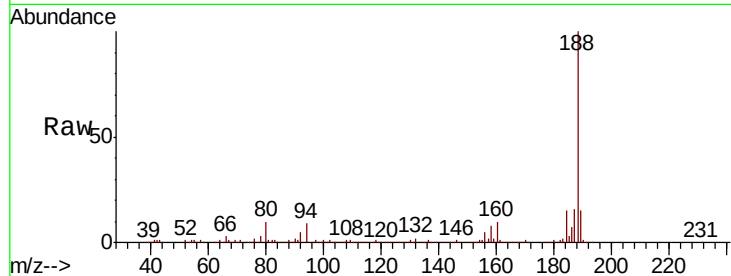
Tgt Ion:188 Resp: 379606

Ion Ratio Lower Upper

188 100

94 9.2 8.1 12.1

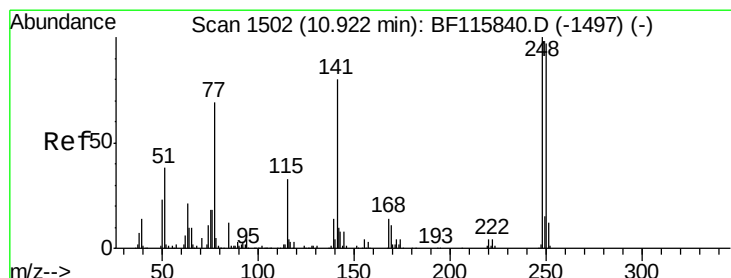
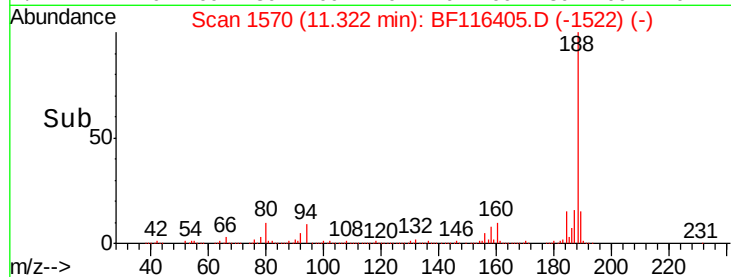
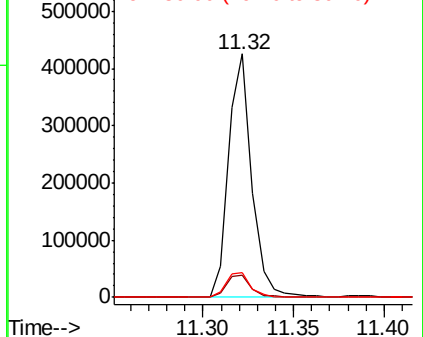
80 10.0 8.7 13.1



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



#67

4-Bromophenyl-phenylether

Concen: 3.655 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.25 min

Lab File: BF116405.D

Acq: 19 Aug 2019 23:17

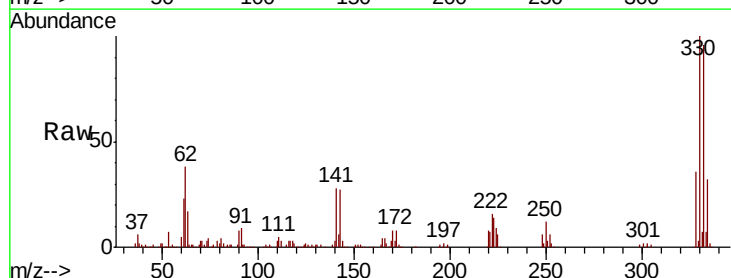
Tgt Ion:248 Resp: 14854

Ion Ratio Lower Upper

248 100

250 202.9 77.4 116.2#

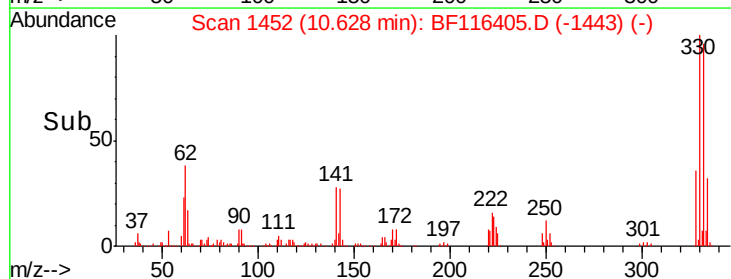
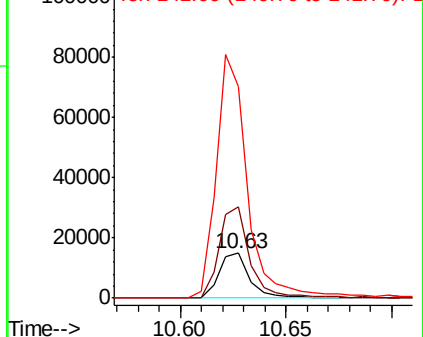
141 472.0 56.8 85.2#

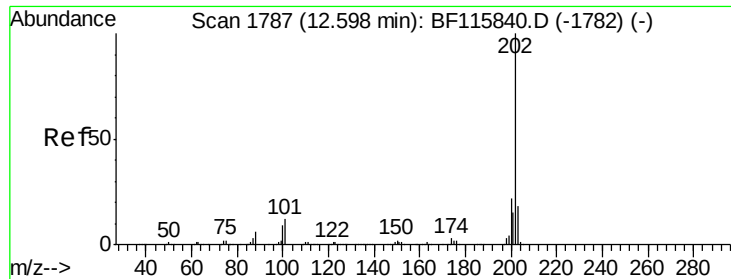


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

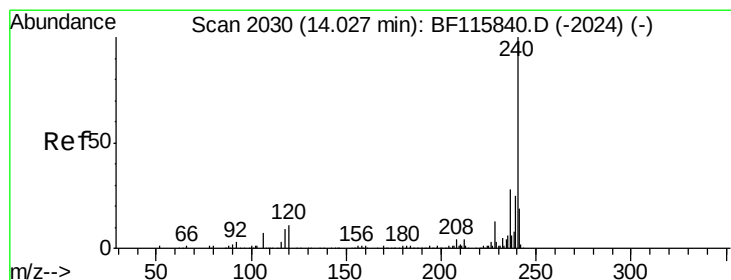
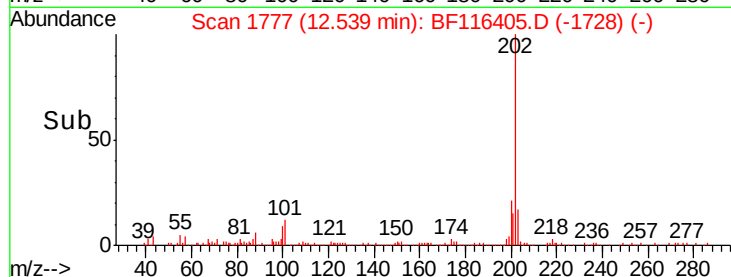
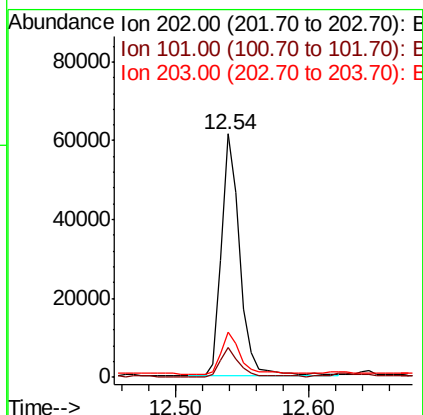
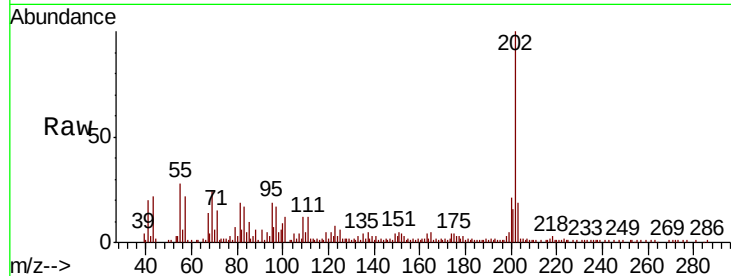




#75
Fluoranthene
Concen: 2.968 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF116405.D
Acq: 19 Aug 2019 23:17

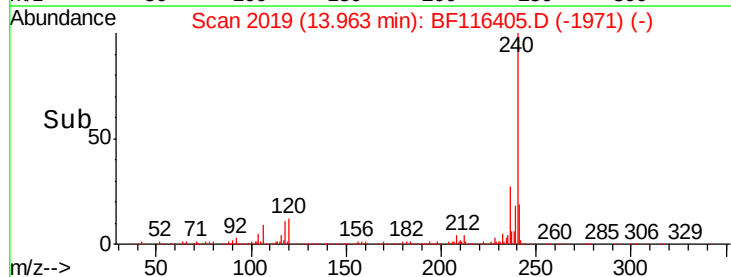
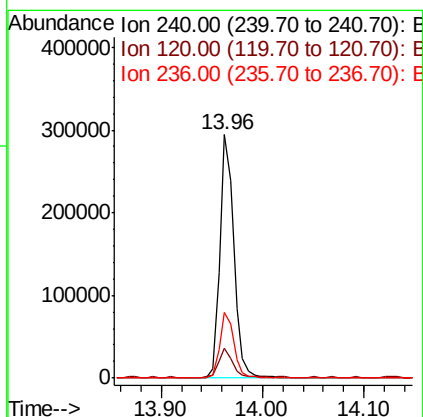
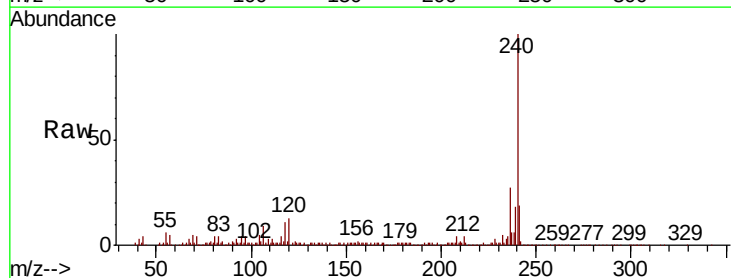
Instrument :
BNA_F
ClientSampleId :
B-2

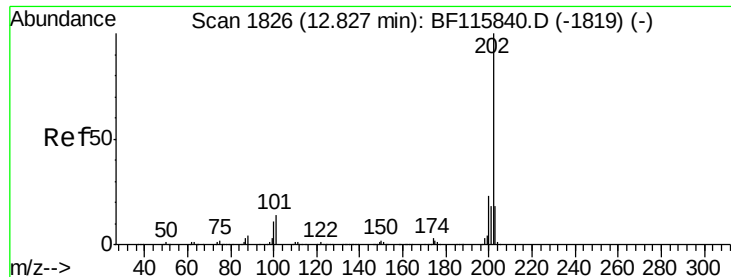
Tgt Ion:	202	Resp:	60305
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.2
203	18.6	0.0	37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF116405.D
Acq: 19 Aug 2019 23:17

Tgt Ion:	240	Resp:	284336
Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.7	16.1
236	27.1	22.2	33.2





#78

Pyrene

Concen: 2.250 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF116405.D

Acq: 19 Aug 2019 23:17

Instrument :

BNA_F

ClientSampleId :

B-2

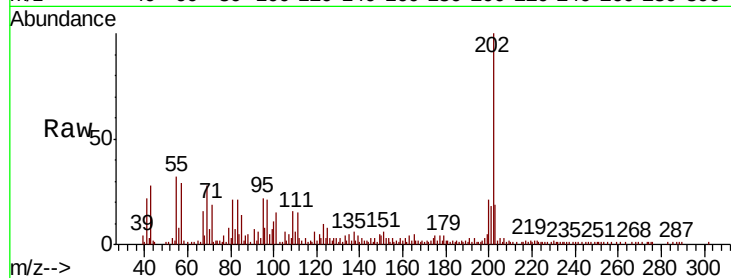
Tgt Ion:202 Resp: 48235

Ion Ratio Lower Upper

202 100

200 20.8 18.0 27.0

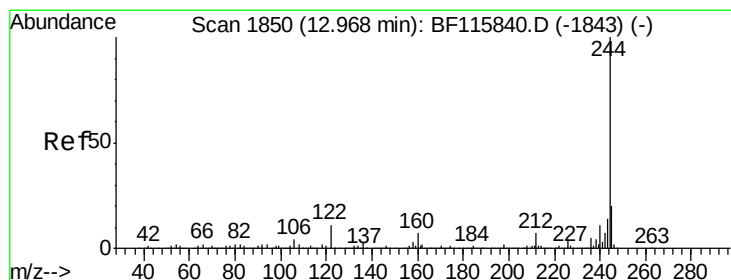
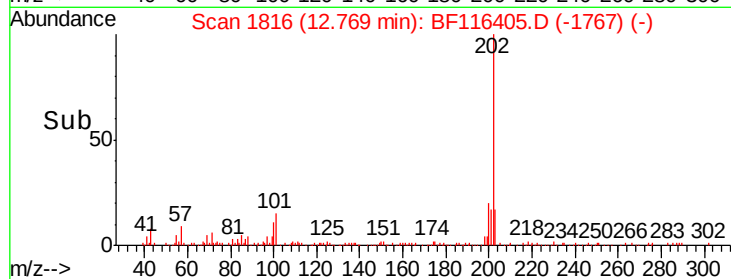
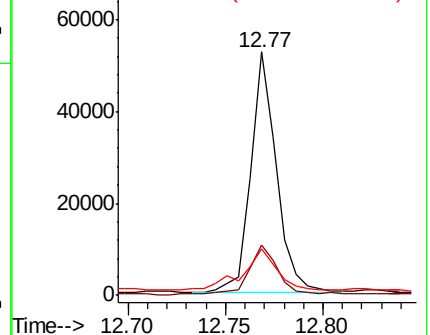
203 19.0 14.1 21.1



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: 86.678 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF116405.D

Acq: 19 Aug 2019 23:17

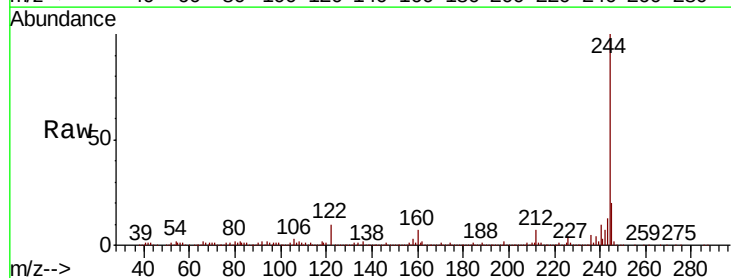
Tgt Ion:244 Resp: 1169618

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

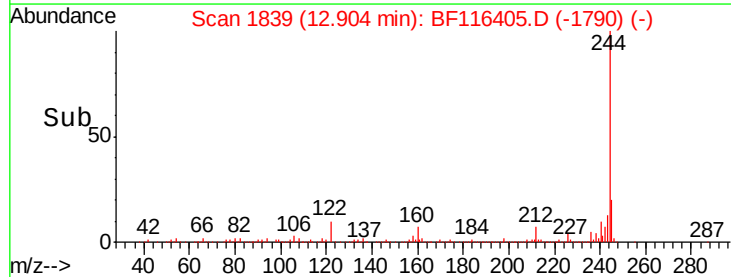
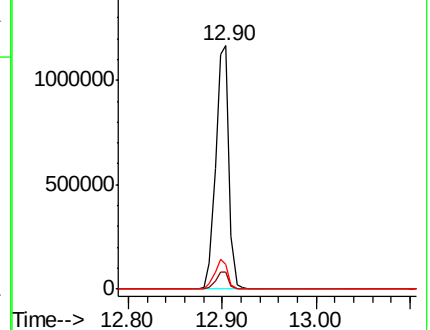
122 10.3 9.0 13.4

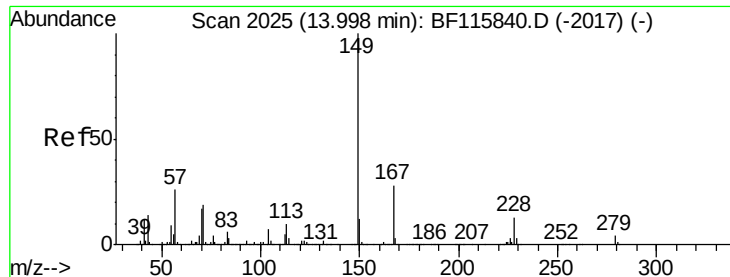


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.041 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF116405.D

Acq: 19 Aug 2019 23:17

Instrument :

BNA_F

ClientSampleId :

B-2

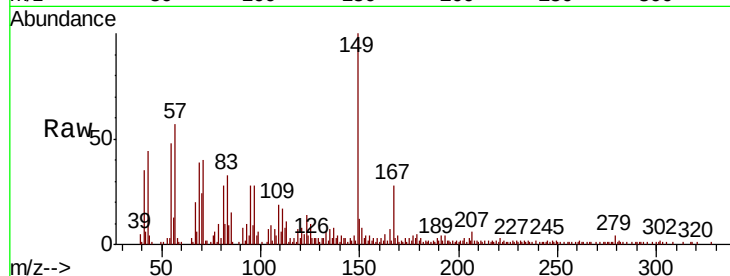
Tgt Ion:149 Resp: 35827

Ion Ratio Lower Upper

149 100

167 28.3 21.6 32.4

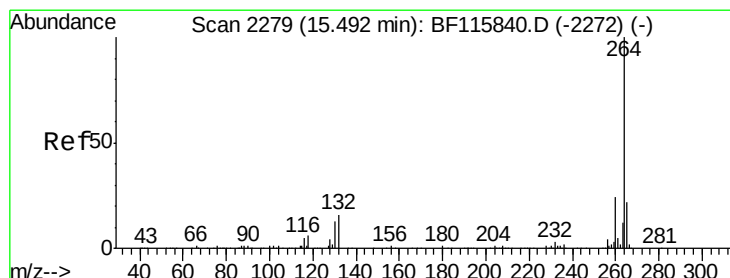
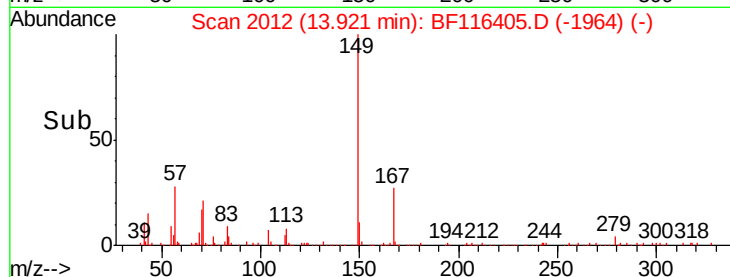
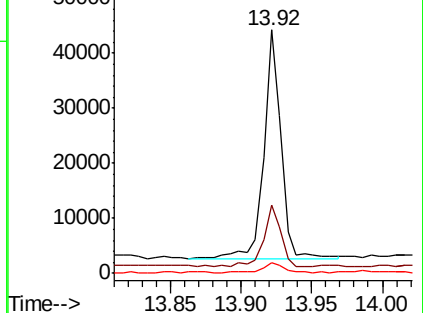
279 4.1 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF116405.D

Acq: 19 Aug 2019 23:17

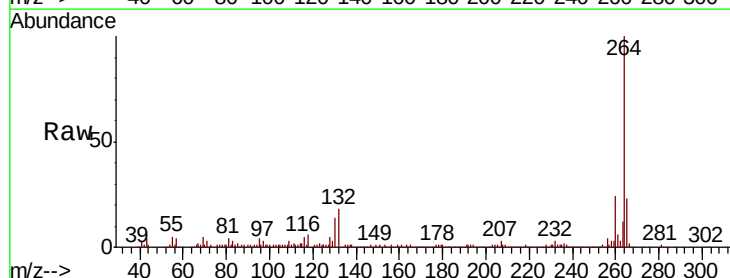
Tgt Ion:264 Resp: 272746

Ion Ratio Lower Upper

264 100

260 24.4 19.7 29.5

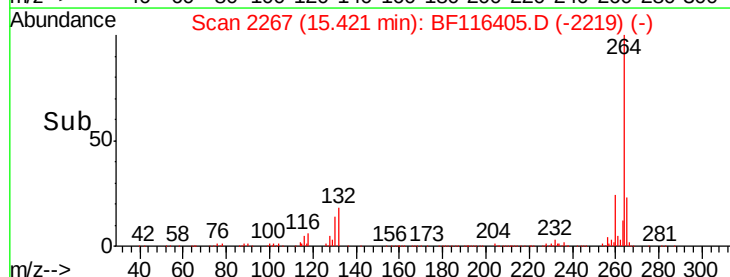
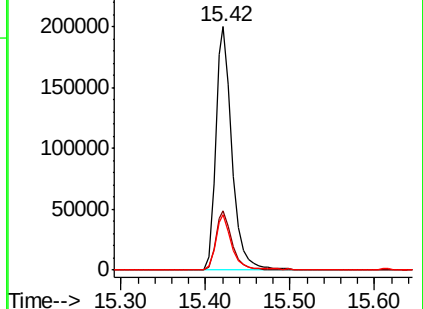
265 22.8 17.4 26.0

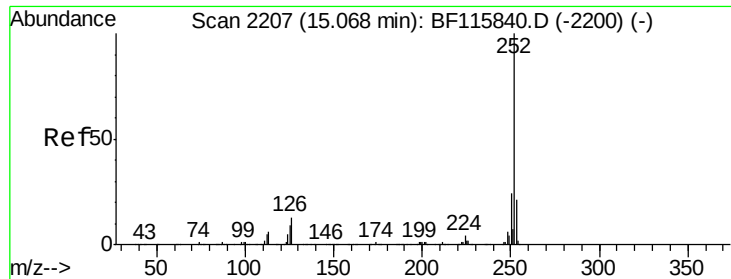


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

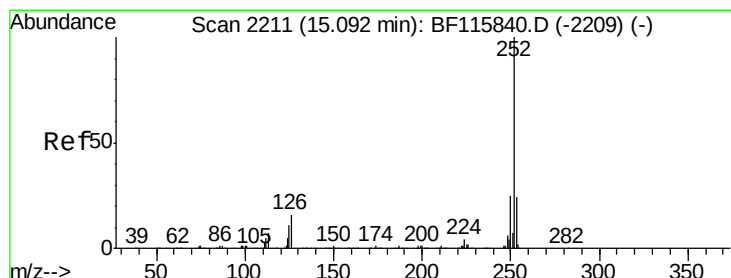
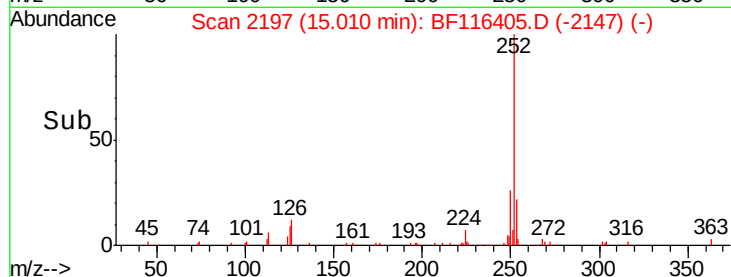
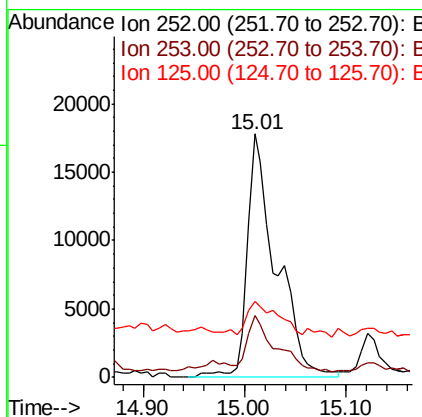
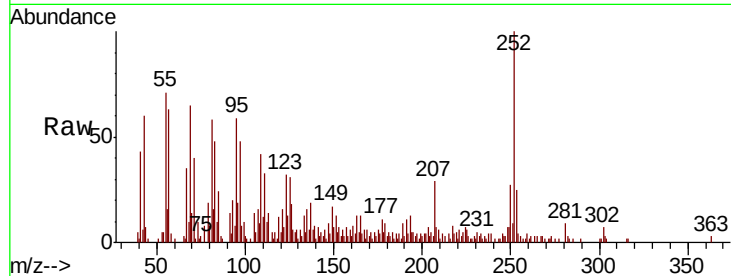




#88
 Benzo(b)fluoranthene
 Concen: 2.237 ng
 RT: 15.01 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BF116405.D
 Acq: 19 Aug 2019 23:17

Instrument :
 BNA_F
 ClientSampleId :
 B-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.8
125	31.0	8.4	12.6#



#89
 Benzo(k)fluoranthene
 Concen: 2.296 ng
 RT: 15.01 min Scan# 2197
 Delta R.T. -0.03 min
 Lab File: BF116405.D
 Acq: 19 Aug 2019 23:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.8
125	31.0	7.7	11.5#

