

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050119\
 Data File : BF114072.D
 Acq On : 1 May 2019 16:32
 Operator : JU/SJ
 Sample : K2204-05 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-043019

Quant Time: May 02 05:37:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

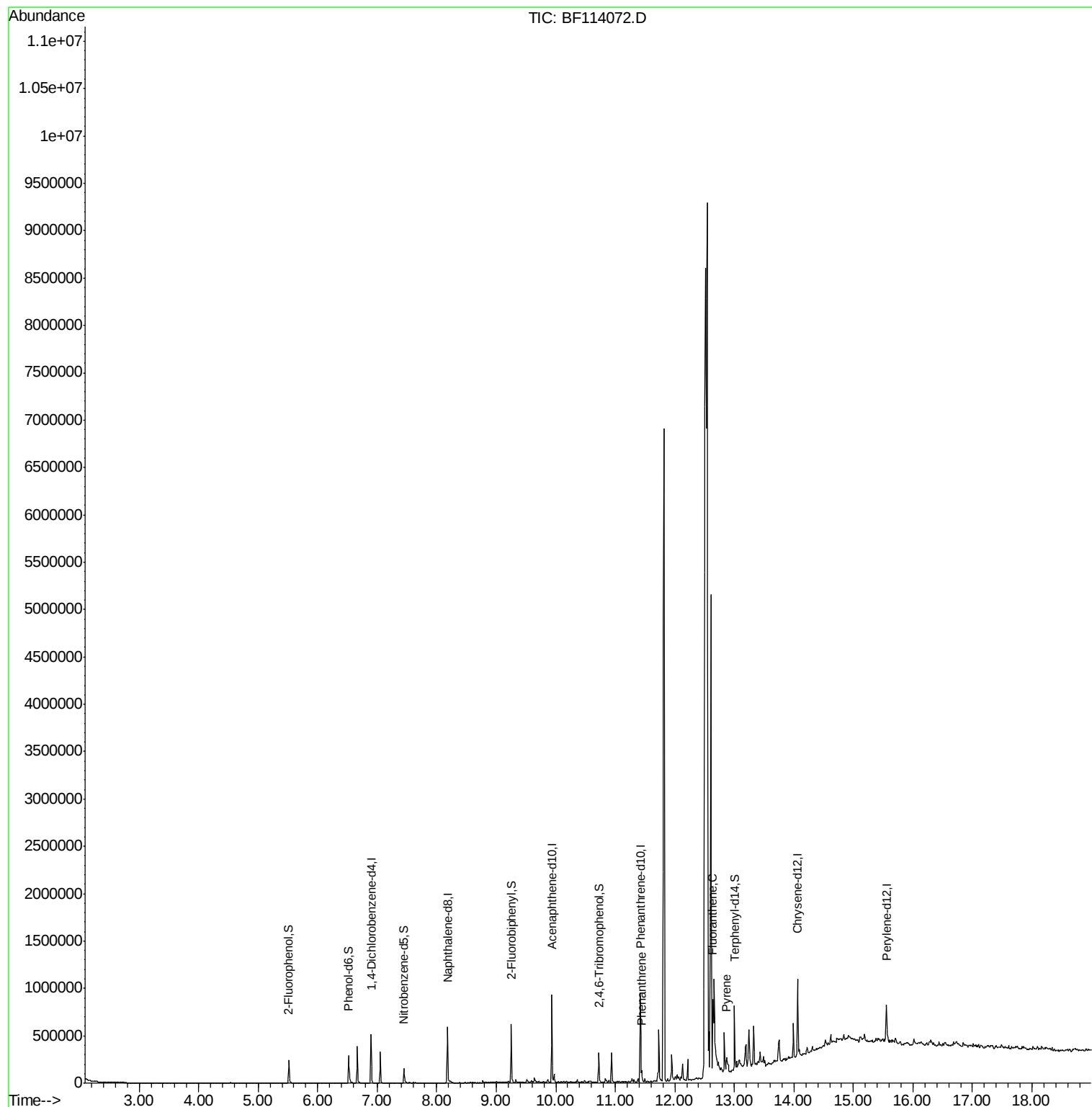
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	84594	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	289801	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	180686	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	335932	20.00	ng	0.00
76) Chrysene-d12	14.06	240	267454	20.00	ng	0.00
87) Perylene-d12	15.56	264	205405	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	83213	16.82	ng	0.00
7) Phenol-d6	6.52	99	128321	20.68	ng	0.00
23) Nitrobenzene-d5	7.45	82	60520	12.89	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	44232	20.10	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	192214	16.64	ng	0.00
79) Terphenyl-d14	13.00	244	215210	16.50	ng	0.00
Target Compounds						
71) Phenanthrene	11.45	178	40784	2.416	ng	97
75) Fluoranthene	12.64	202	54253	2.945	ng	97
78) Pyrene	12.87	202	65118	3.482	ng	98

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

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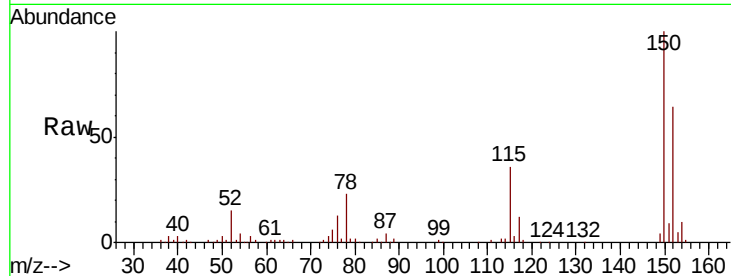


#1

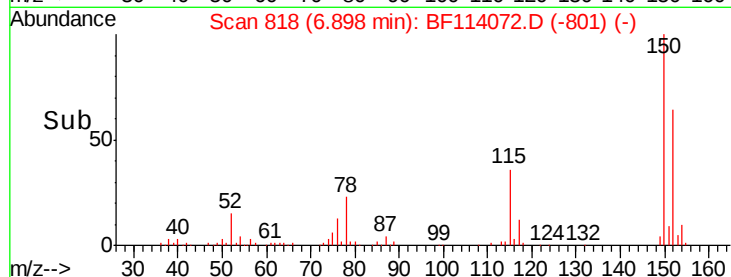
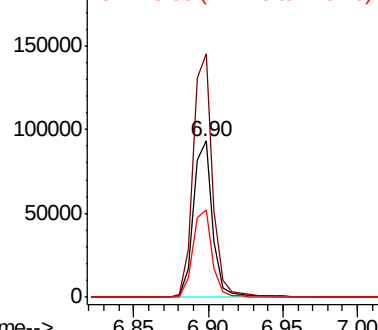
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Instrument :
BNA_F
ClientSampleId :
TR-04-043019

Tot Ion:152 Resp: 84594
Ion Ratio Lower Upper
152 100
150 155.7 125.9 188.9
115 56.1 45.9 68.9



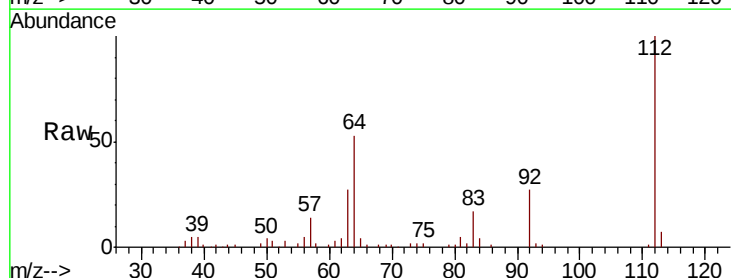
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



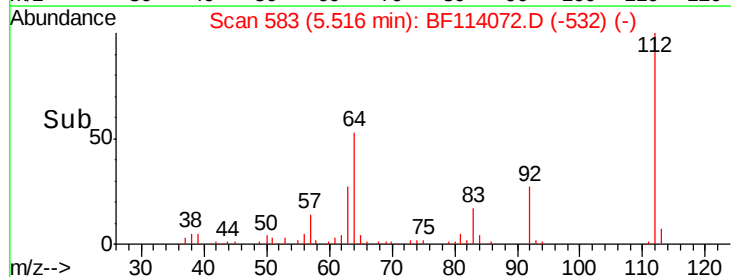
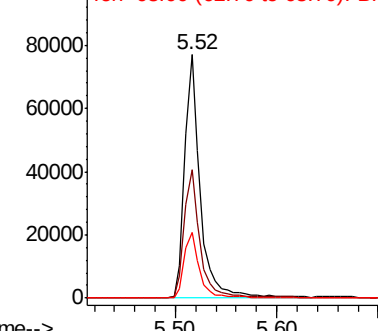
#5

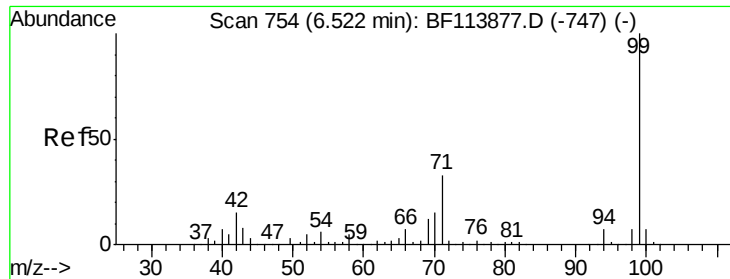
2-Fluorophenol
Concen: 16.824 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Tgt Ion:112 Resp: 83213
Ion Ratio Lower Upper
112 100
64 52.8 46.6 69.8
63 26.9 23.1 34.7



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: 20.679 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampleId :

TR-04-043019

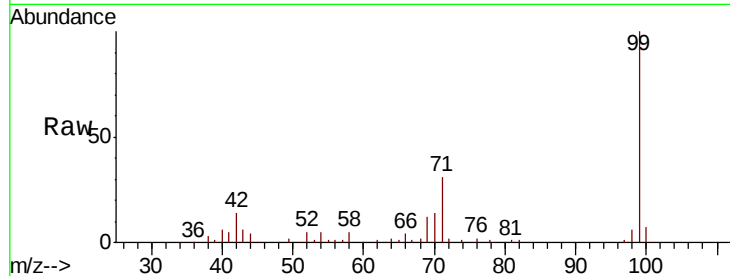
Tot Ion: 99 Resp: 128321

Ion Ratio Lower Upper

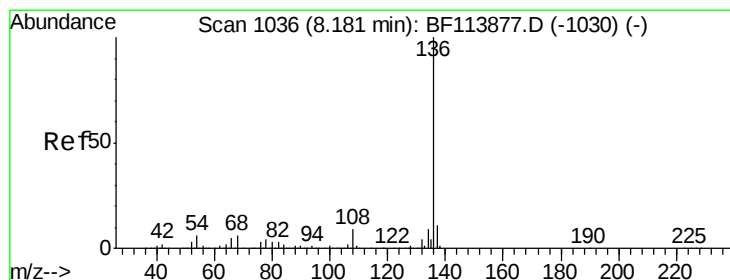
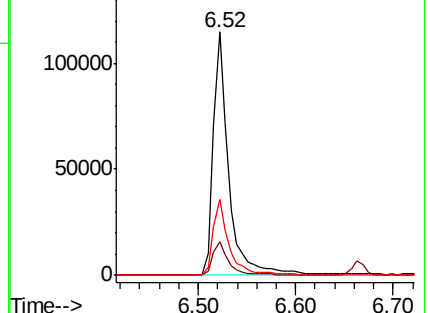
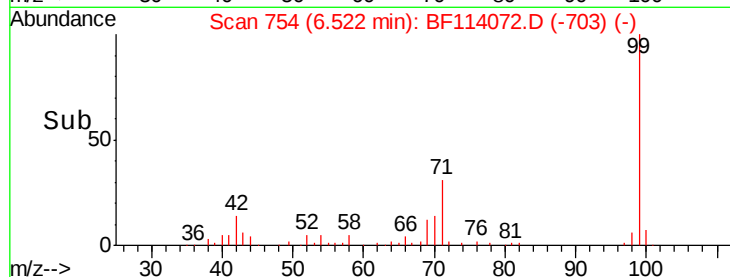
99 100

42 14.1 12.5 18.7

71 31.4 26.9 40.3



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: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Tgt Ion: 136 Resp: 289801

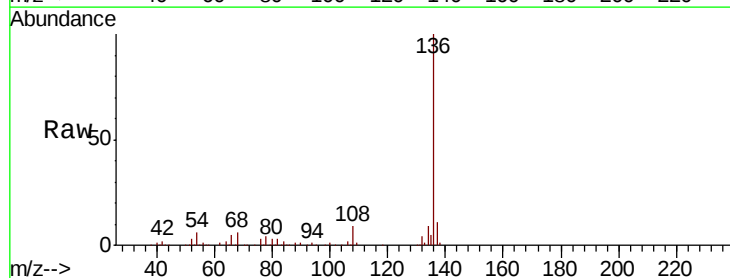
Ion Ratio Lower Upper

136 100

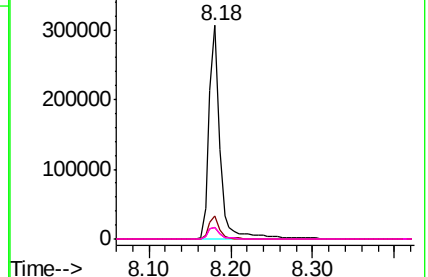
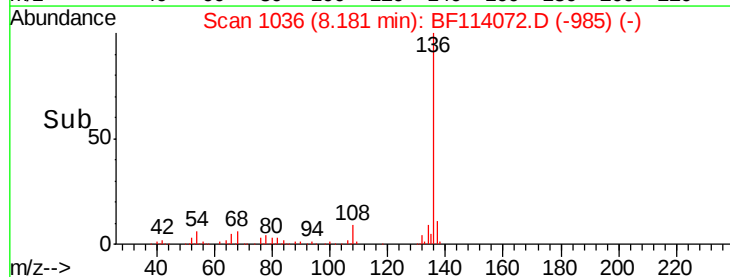
137 10.9 8.6 12.8

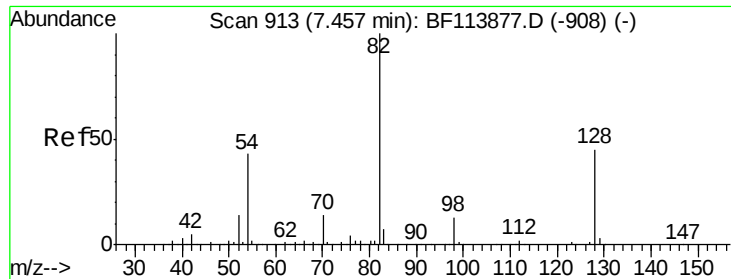
54 5.6 5.0 7.6

68 5.7 4.9 7.3



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

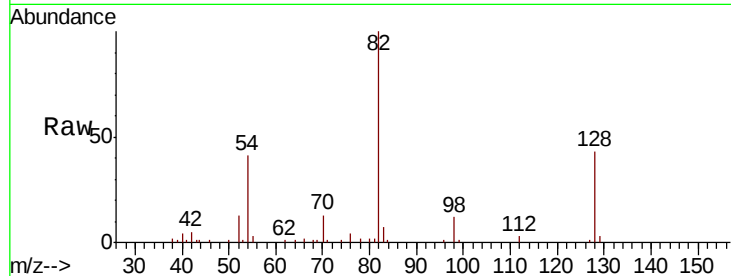




#23
 Nitrobenzene-d5
 Concen: 12.894 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF114072.D
 Acq: 1 May 2019 16:32

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-043019

Tot Ion	82	Resp	60520
Ion Ratio	Lower	Upper	
82	100		
128	43.5	36.8	55.2
54	41.1	33.8	50.6

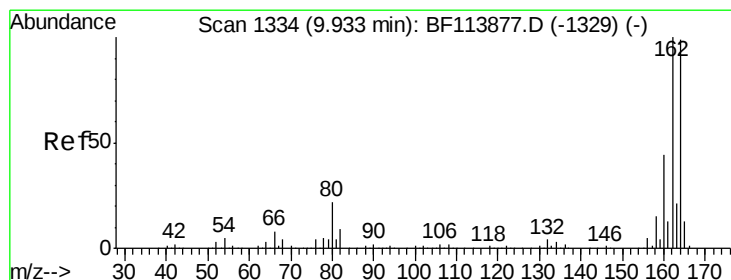
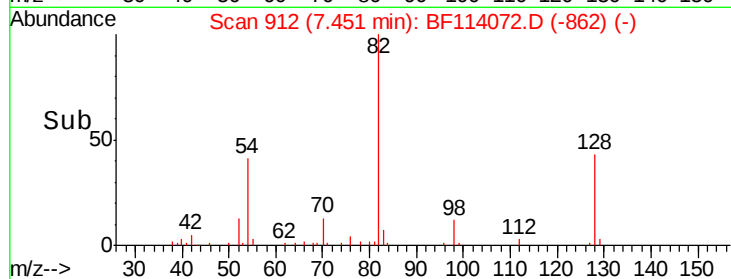
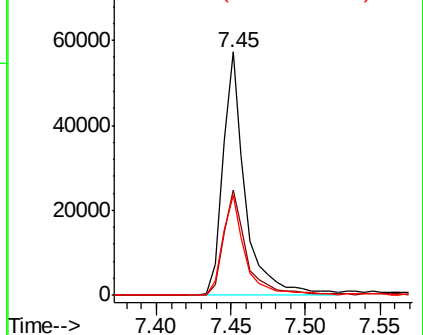


Abundance

Ion 82.00 (81.70 to 82.70): BF1

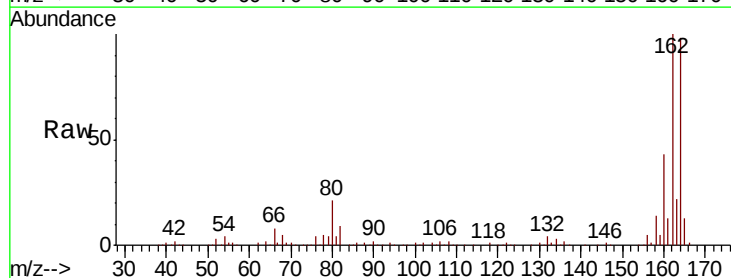
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF114072.D
 Acq: 1 May 2019 16:32

Tgt Ion	164	Resp	180686
Ion Ratio	Lower	Upper	
164	100		
162	101.9	81.1	121.7
160	43.9	35.8	53.6

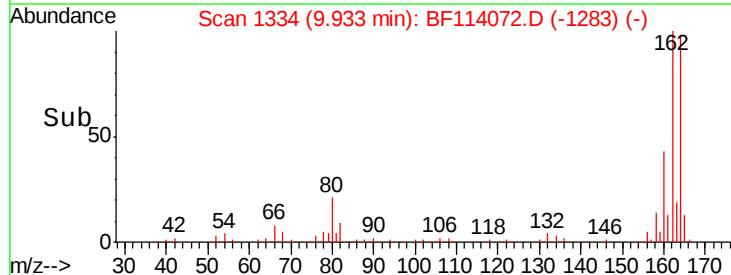
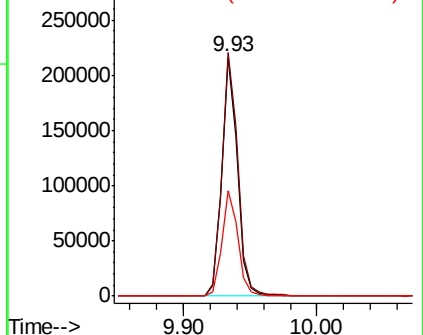


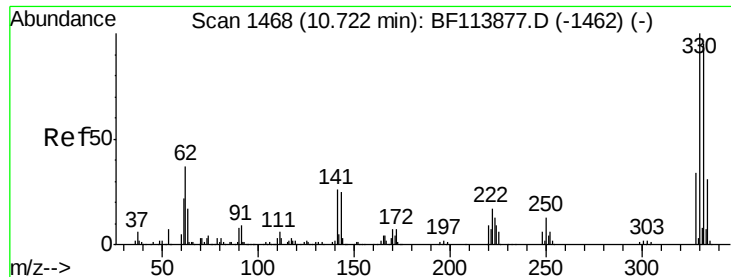
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

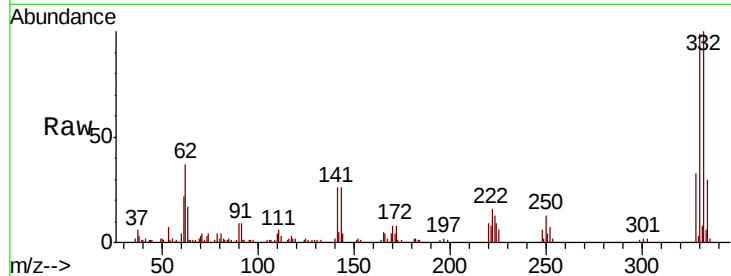




#42
 2,4,6-Tribromophenol
 Concen: 20.095 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF114072.D
 Acq: 1 May 2019 16:32

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-043019

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.5	116.3
141	26.1	22.2	33.2

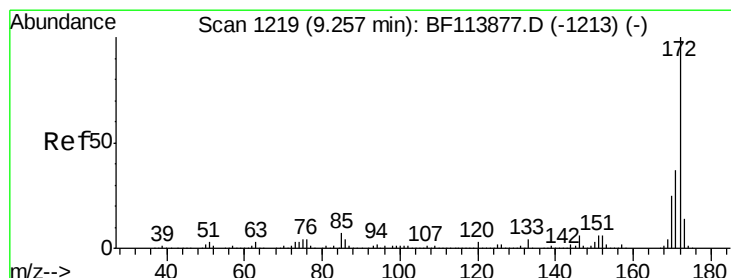
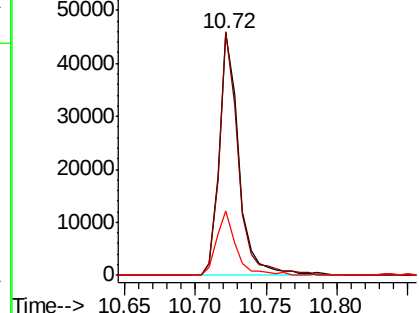
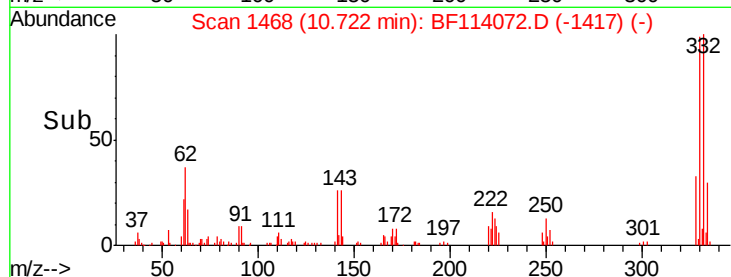


Abundance

Ion 329.80 (329.50 to 330.50): E

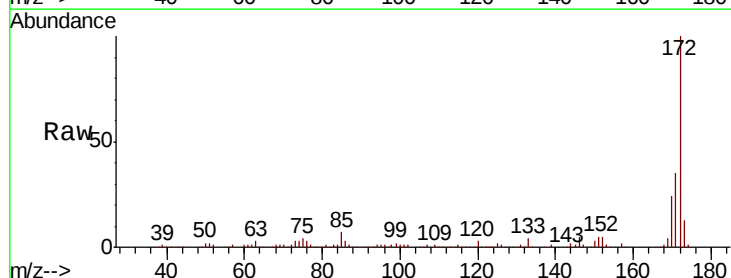
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 16.638 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF114072.D
 Acq: 1 May 2019 16:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.4	44.0
170	23.7	19.9	29.9

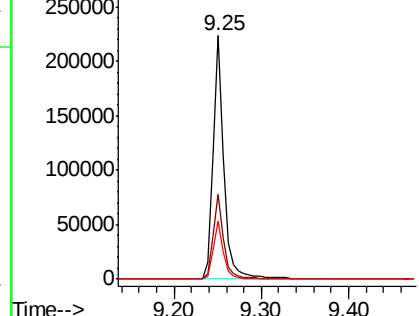
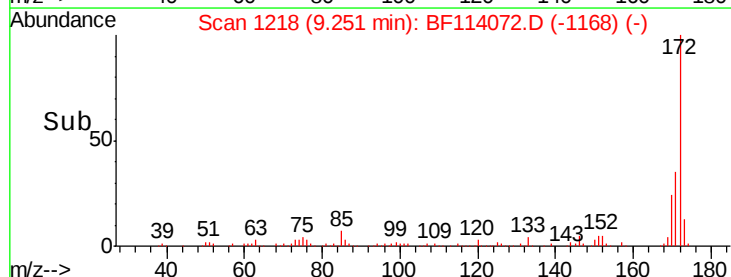


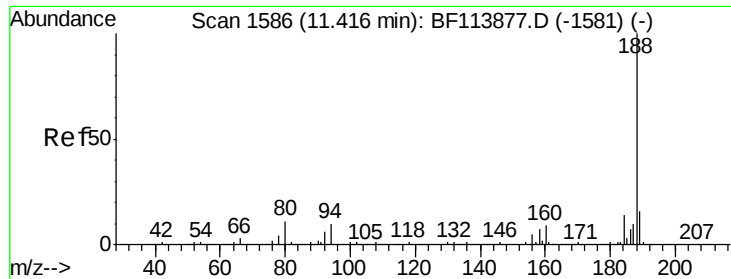
Abundance

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

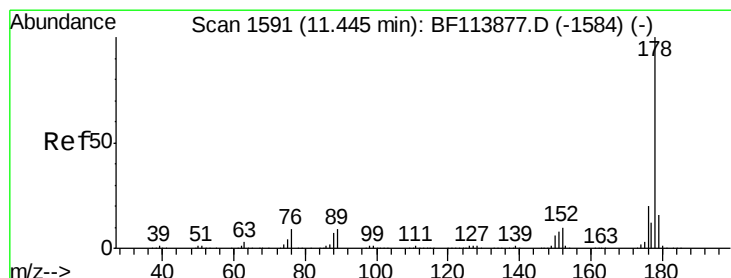
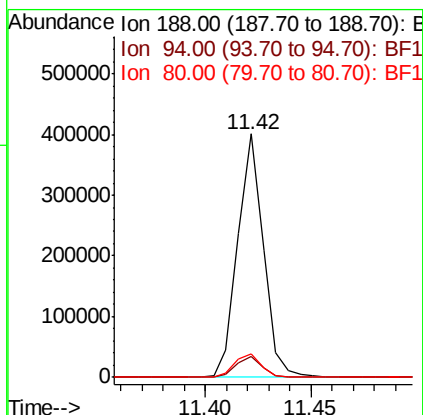
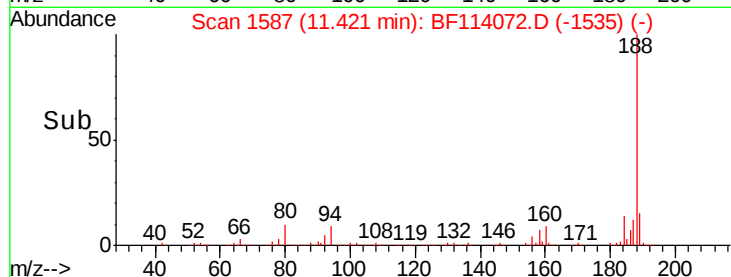
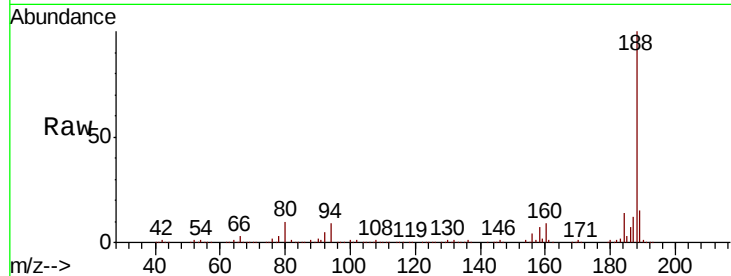




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

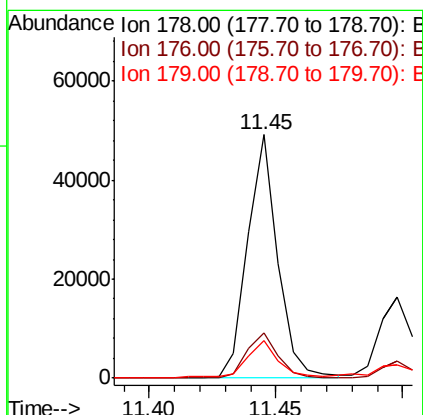
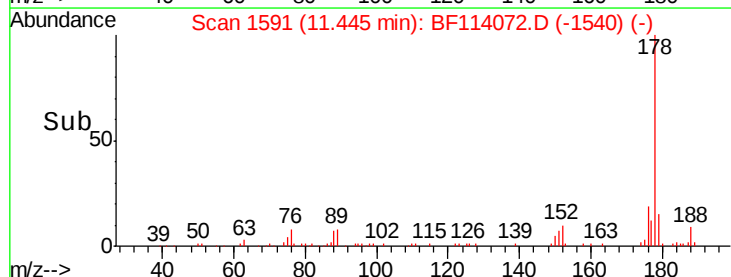
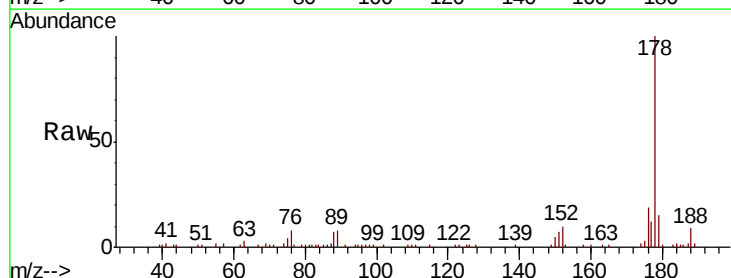
Instrument :
BNA_F
ClientSampleId :
TR-04-043019

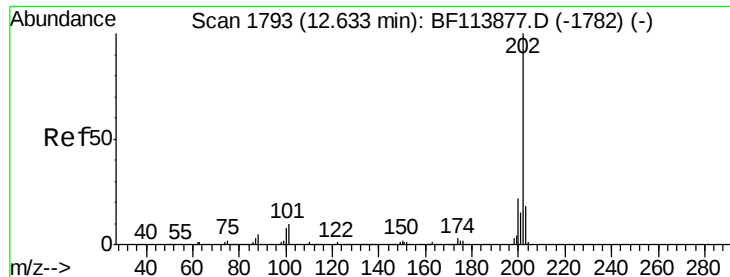
Tot Ion:188 Resp: 335932
Ion Ratio Lower Upper
188 100
94 8.8 8.2 12.4
80 9.8 9.0 13.6



#71
Phenanthrene
Concen: 2.416 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Tgt Ion:178 Resp: 40784
Ion Ratio Lower Upper
178 100
176 18.6 16.1 24.1
179 15.2 12.8 19.2





#75

Fluoranthene

Concen: 2.945 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampleId :

TR-04-043019

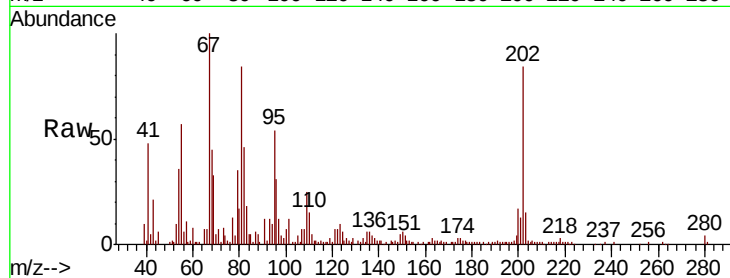
Tot Ion:202 Resp: 54253

Ion Ratio Lower Upper

202 100

101 14.5 0.0 32.9

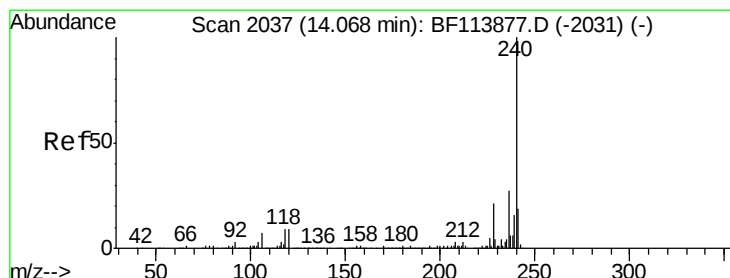
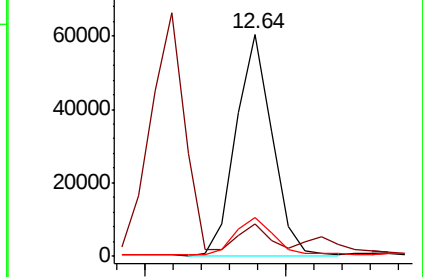
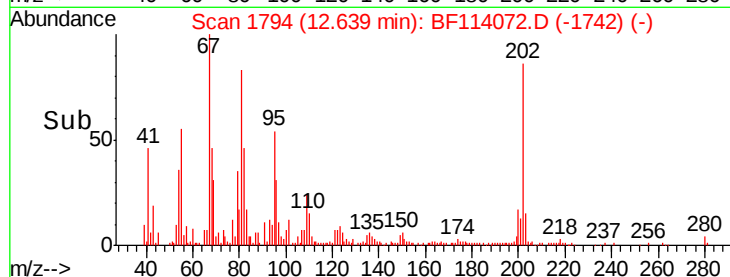
203 17.2 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

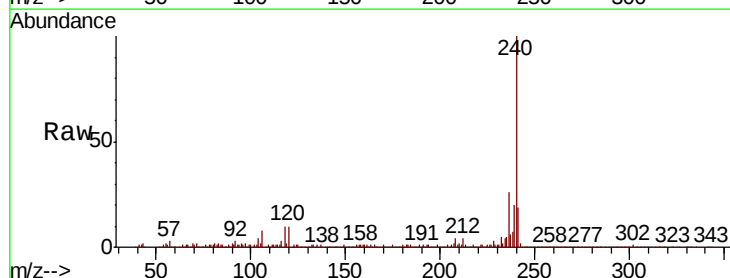
Tgt Ion:240 Resp: 267454

Ion Ratio Lower Upper

240 100

120 10.1 9.3 13.9

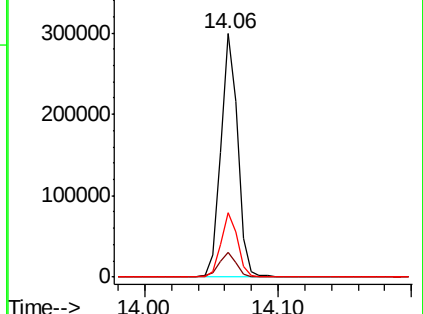
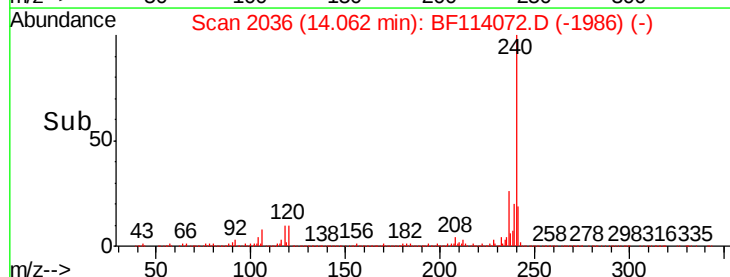
236 26.4 21.2 31.8

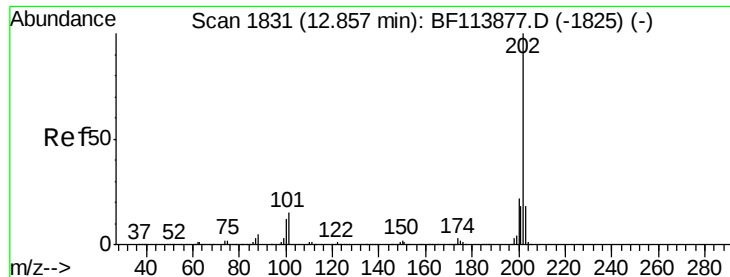


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

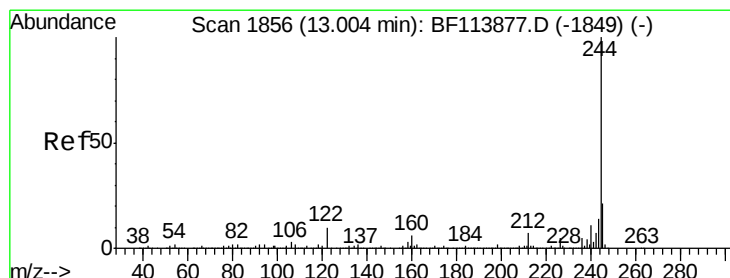
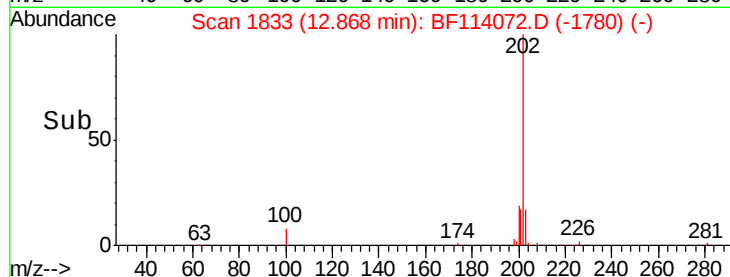
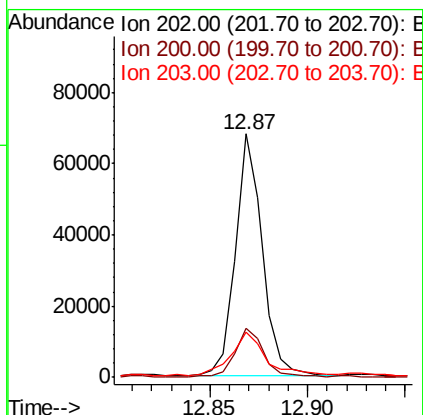
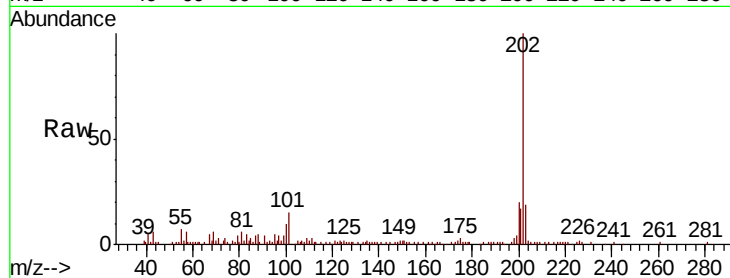




#78
Pvrene
Concen: 3.482 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

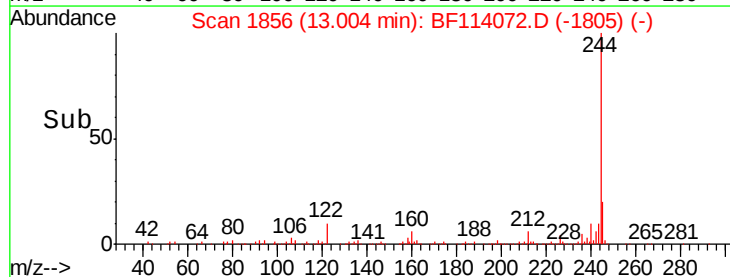
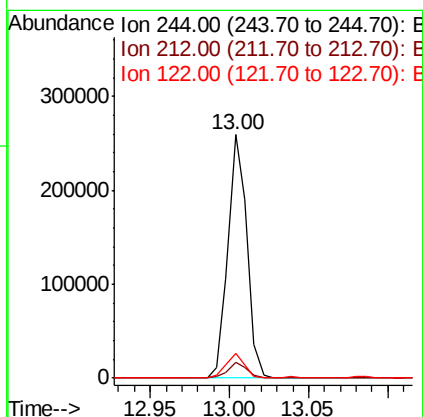
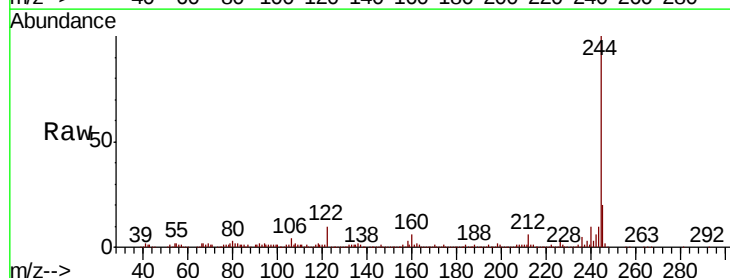
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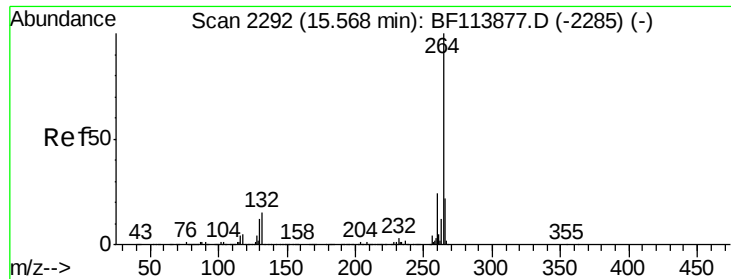
Tot Ion:202 Resp: 65118
Ion Ratio Lower Upper
202 100
200 20.4 17.7 26.5
203 18.5 15.0 22.6



#79
Terphenyl-d14
Concen: 16.497 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.00 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Tgt Ion:244 Resp: 215210
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.2
122 10.4 7.6 11.4

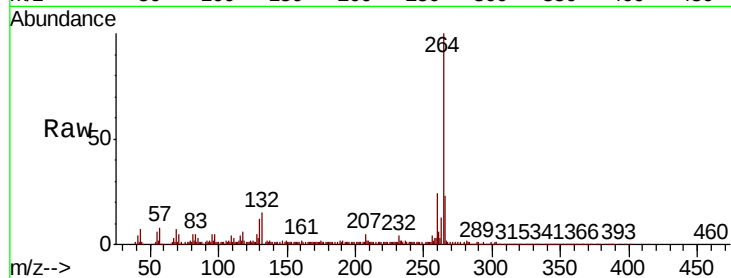




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Instrument :
BNA_F
ClientSampleId :
TR-04-043019

Tot Ion:	264	Resp:	205405
Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.9	28.3
265	22.6	17.3	25.9



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

