

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081319\
 Data File : BF116242.D
 Acq On : 13 Aug 2019 20:48
 Operator : HP/JU
 Sample : K4230-18
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 REACTOR-3E-(0-3)-COMP

Quant Time: Aug 14 01:27:18 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	150618	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	597088	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	323530	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	605015	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	460779	20.00	ng	0.00
87) Perylene-d12	15.47	264	395235	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1029518	114.43	ng	0.00
7) Phenol-d6	6.47	99	1181181	104.06	ng	-0.01
23) Nitrobenzene-d5	7.40	82	999443	96.62	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	448897	143.11	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1580446	91.50	ng	-0.01
79) Terphenyl-d14	12.95	244	1915076	87.58	ng	0.00

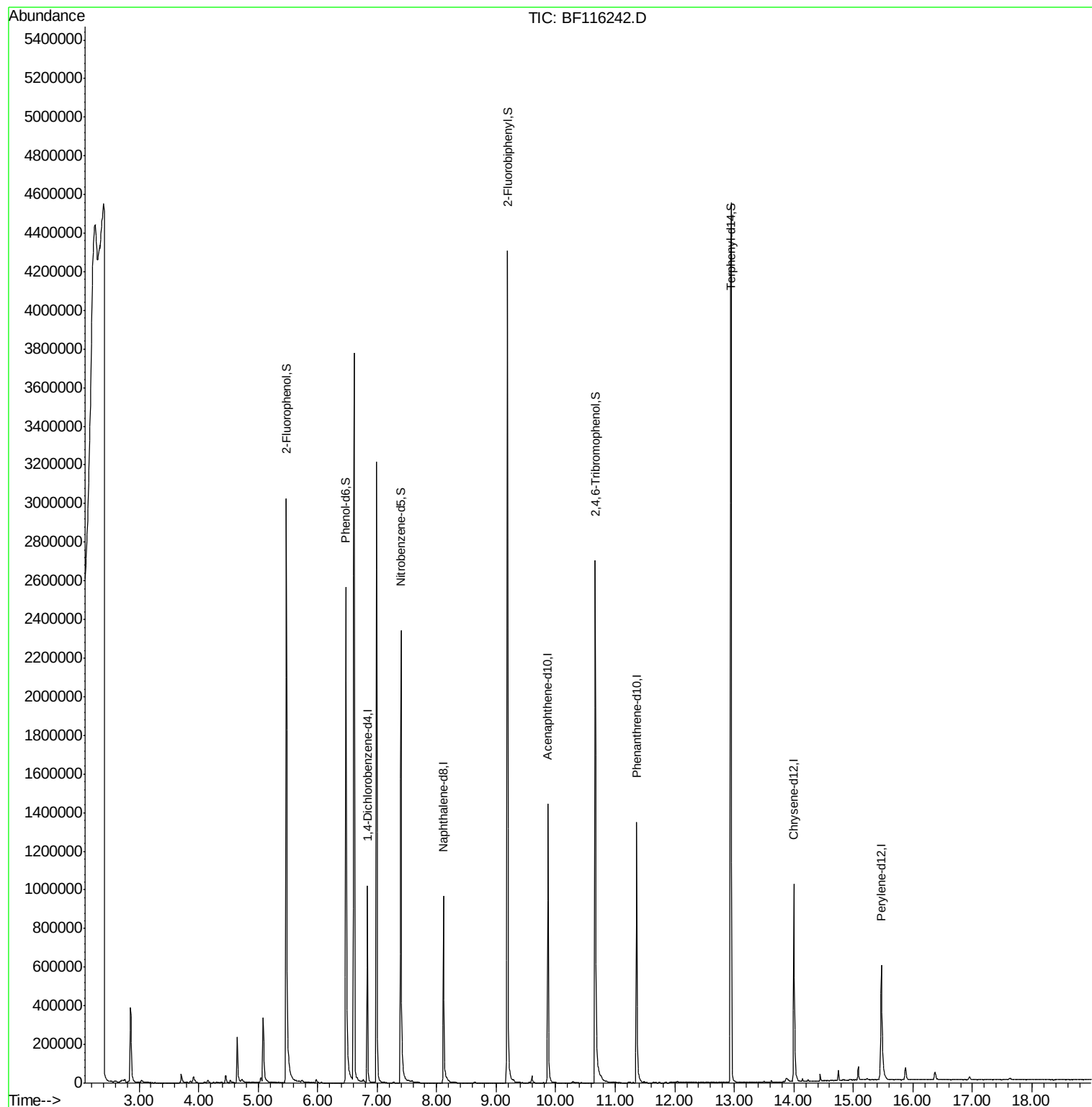
Target Compounds Qvalue

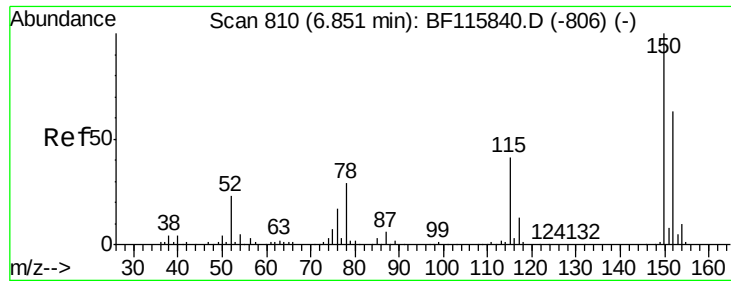
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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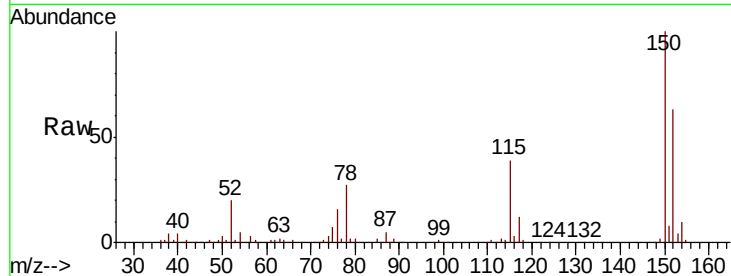


#1

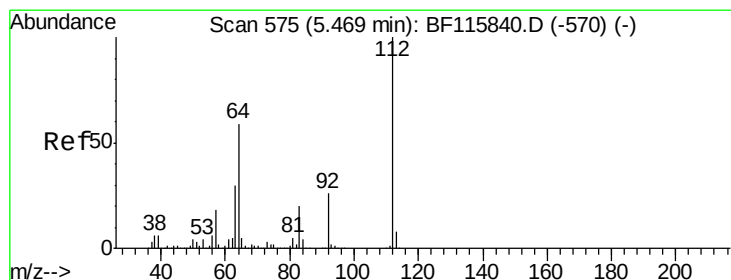
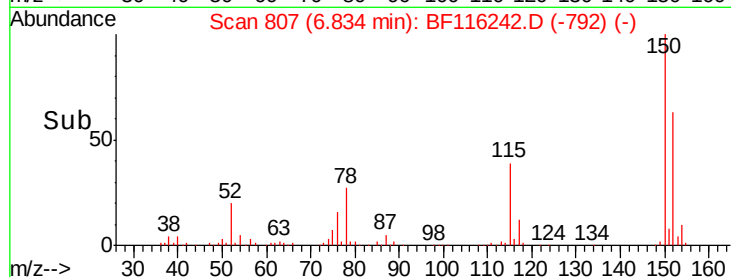
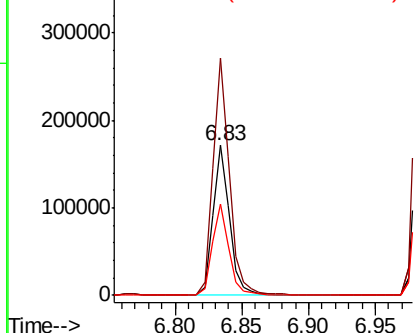
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116242.D
 Acq: 13 Aug 2019 20:48

Instrument :
 BNA_F
 ClientSampleId :
 REACTOR-3E-(0-3)-COMP

Tot Ion:152 Resp: 150618
 Ion Ratio Lower Upper
 152 100
 150 158.7 126.2 189.2
 115 61.3 49.9 74.9



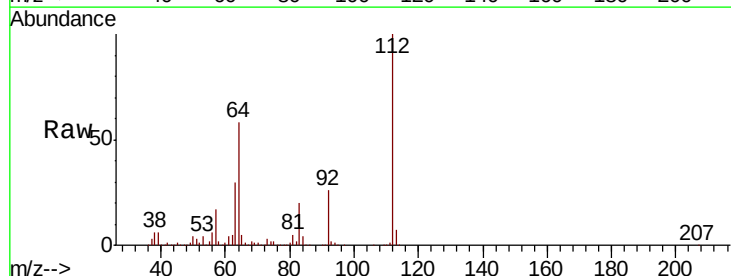
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



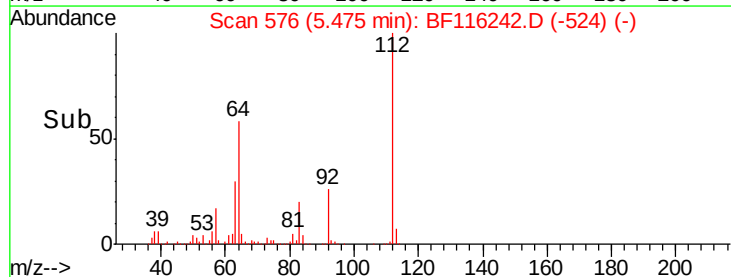
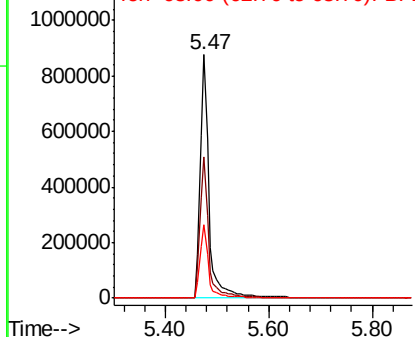
#5

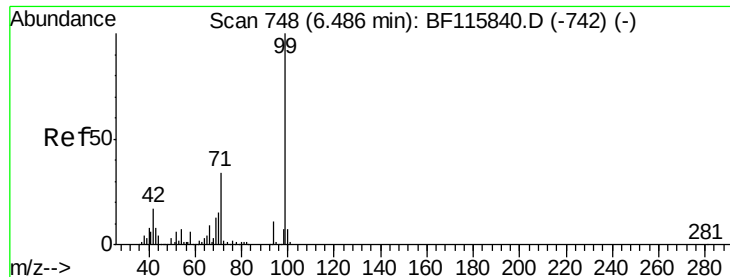
2-Fluorophenol
 Concen: 114.427 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: BF116242.D
 Acq: 13 Aug 2019 20:48

Tgt Ion:112 Resp: 1029518
 Ion Ratio Lower Upper
 112 100
 64 58.1 45.4 68.2
 63 30.2 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: 104.055 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

Instrument :

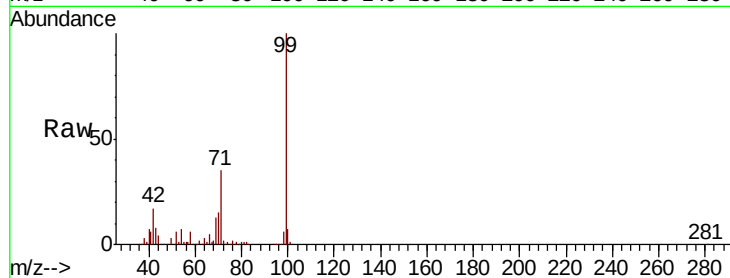
BNA_F

ClientSampleId :

REACTOR-3E-(0-3)-COMP

Tot Ion: 99 Resp: 1181181

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.8	20.8
71	34.7	27.3	40.9

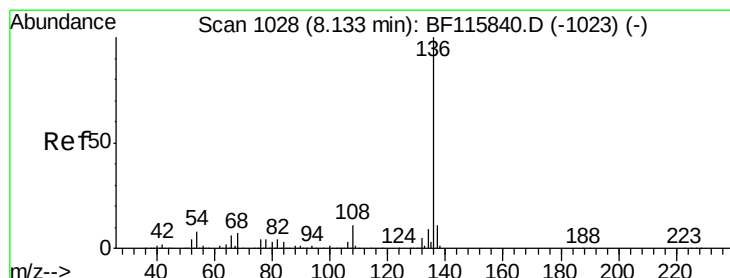
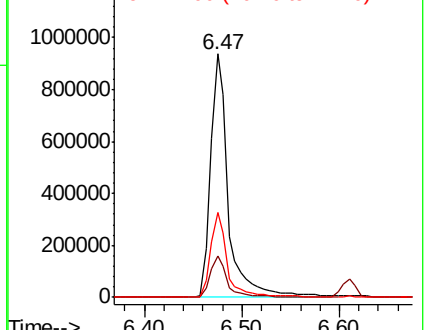
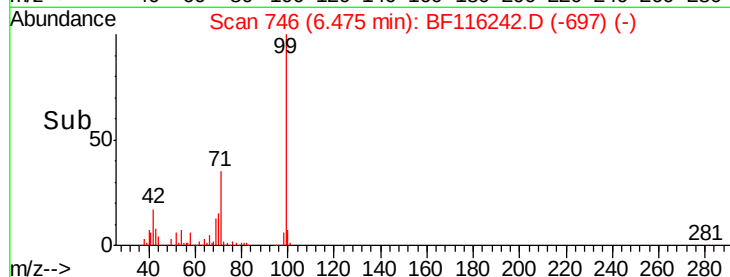


Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

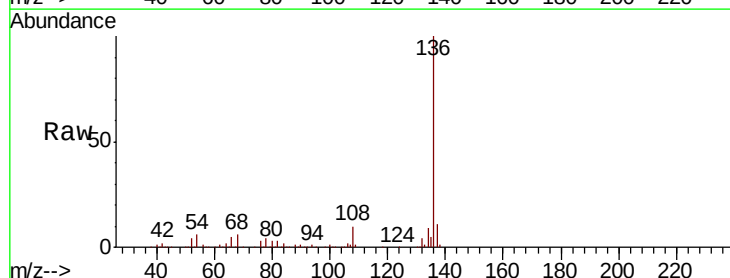
Delta R.T. -0.01 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

Tgt Ion: 136 Resp: 597088

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.5	5.8	8.6
68	5.7	5.2	7.8



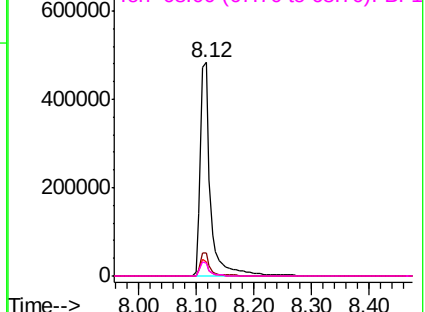
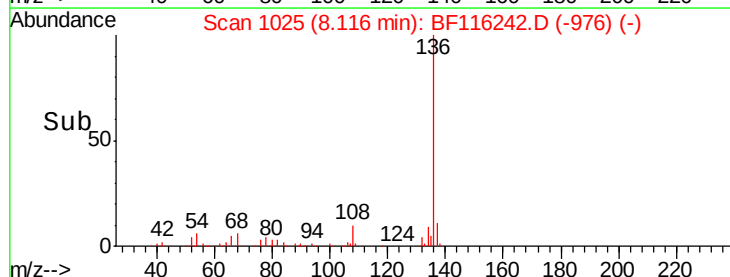
Abundance

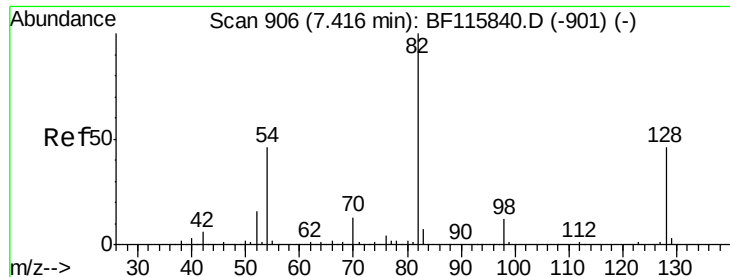
Ion 136.00 (135.70 to 136.70): E

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

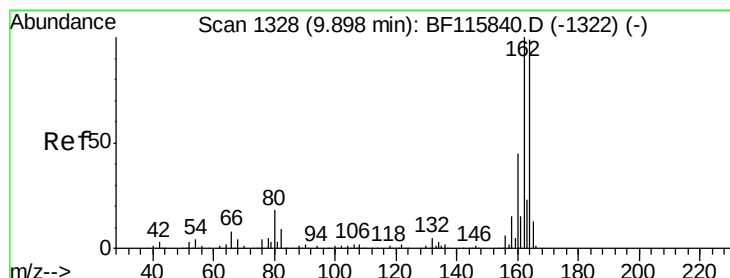
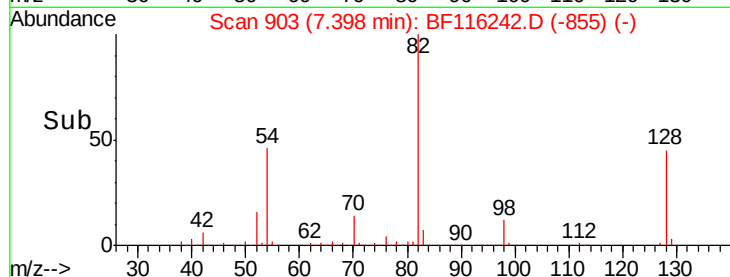
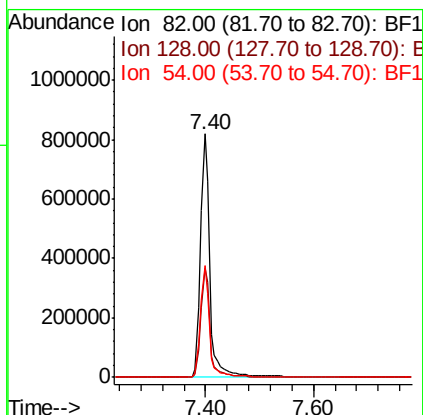
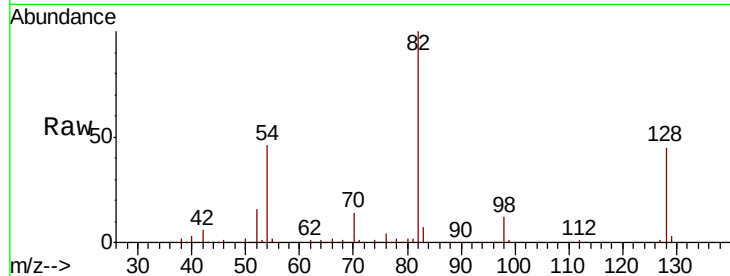




#23
 Nitrobenzene-d5
 Concen: 96.621 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116242.D
 Acq: 13 Aug 2019 20:48

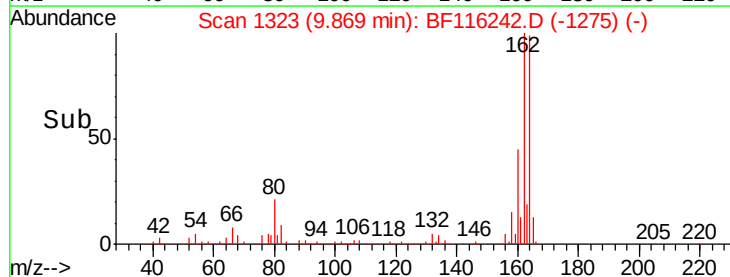
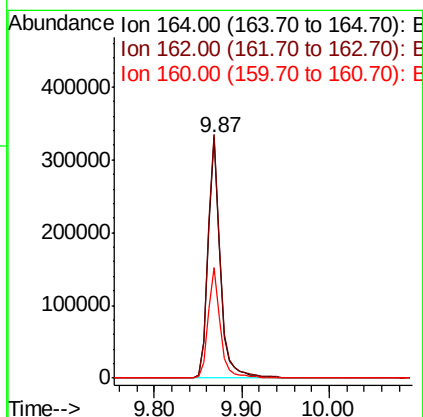
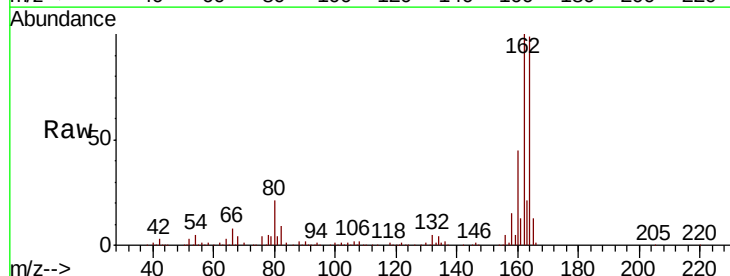
Instrument :
 BNA_F
 ClientSampleId :
 REACTOR-3E-(0-3)-COMP

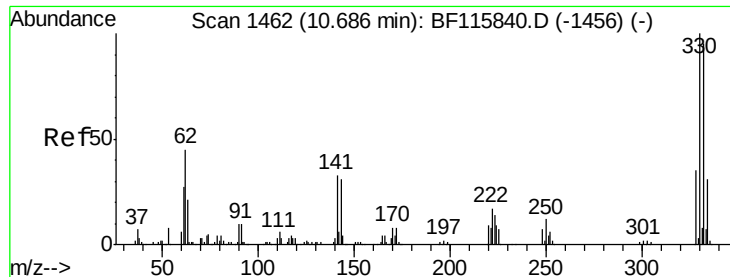
Tot Ion: 82 Resp: 999443
 Ion Ratio Lower Upper
 82 100
 128 45.0 36.5 54.7
 54 45.9 36.0 54.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF116242.D
 Acq: 13 Aug 2019 20:48

Tgt Ion:164 Resp: 323530
 Ion Ratio Lower Upper
 164 100
 162 101.2 82.6 124.0
 160 45.7 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 143.111 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

Instrument :

BNA_F

ClientSampleId :

REACTOR-3E-(0-3)-COMP

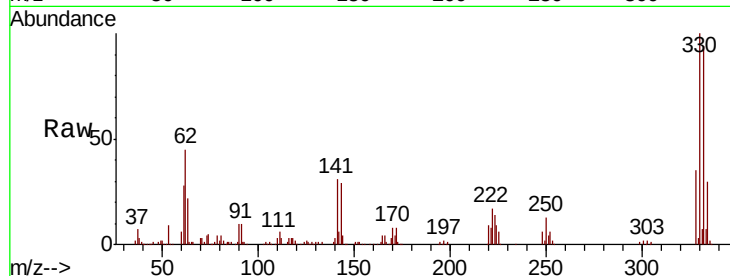
Tot Ion:330 Resp: 448897

Ion Ratio Lower Upper

330 100

332 95.1 76.8 115.2

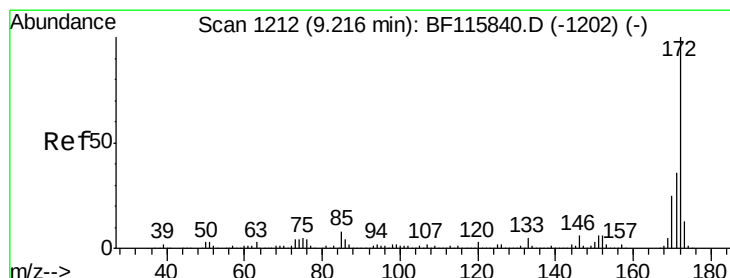
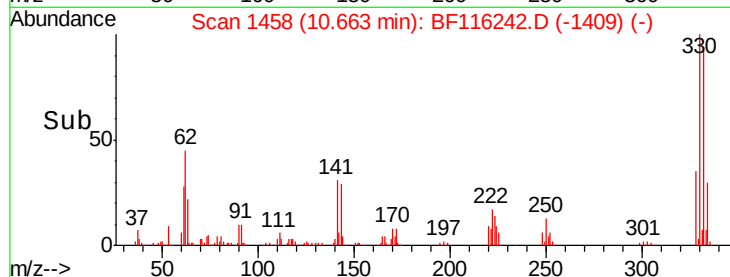
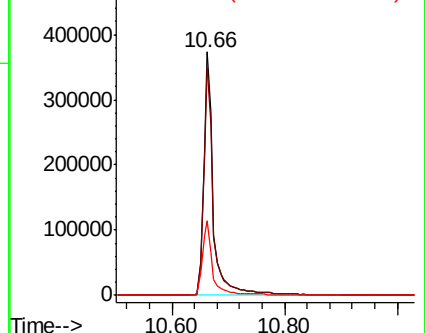
141 32.8 26.3 39.5



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: 91.500 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

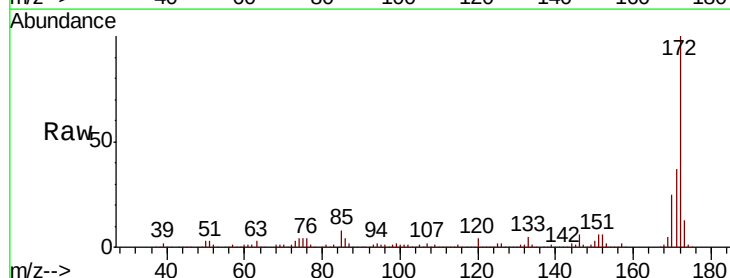
Tgt Ion:172 Resp: 1580446

Ion Ratio Lower Upper

172 100

171 36.7 29.6 44.4

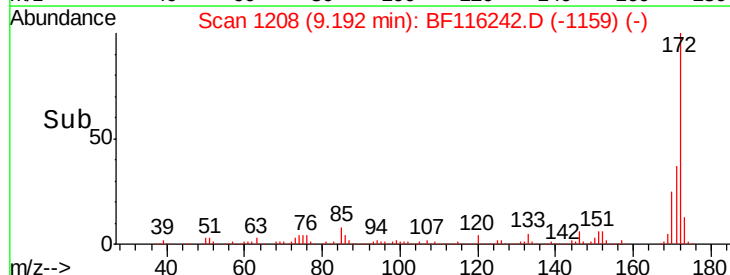
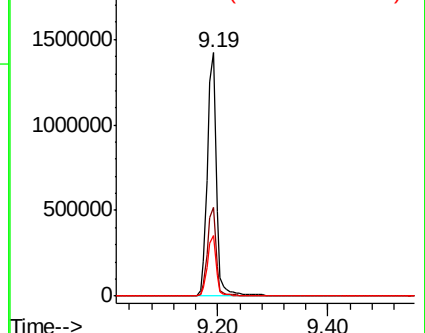
170 25.1 20.1 30.1

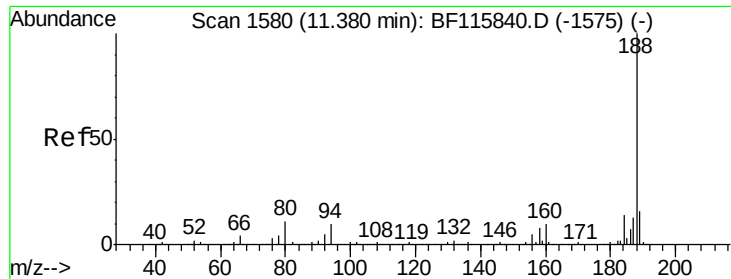


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

Instrument :

BNA_F

ClientSampleId :

REACTOR-3E-(0-3)-COMP

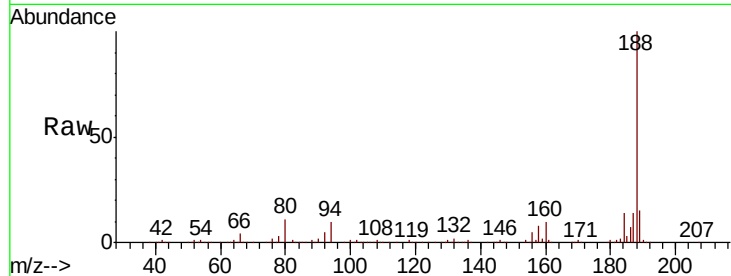
Tot Ion:188 Resp: 605015

Ion Ratio Lower Upper

188 100

94 9.9 8.1 12.1

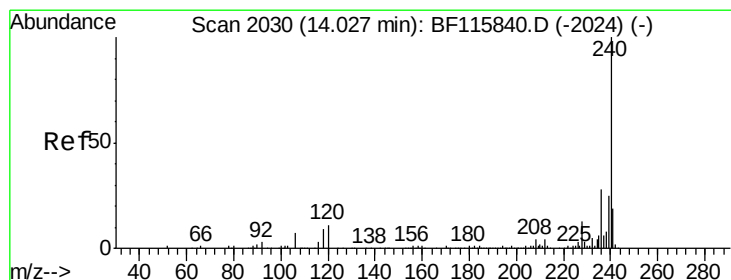
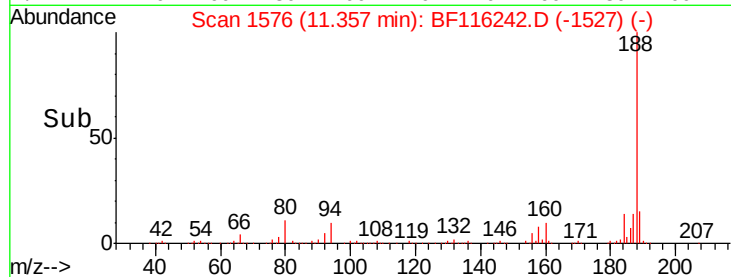
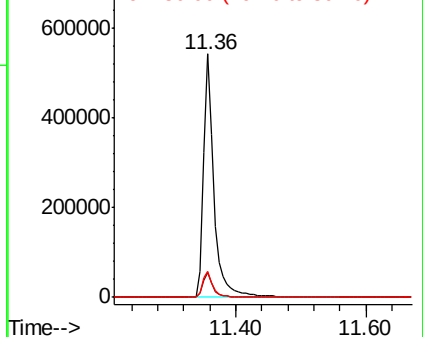
80 10.7 8.7 13.1



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

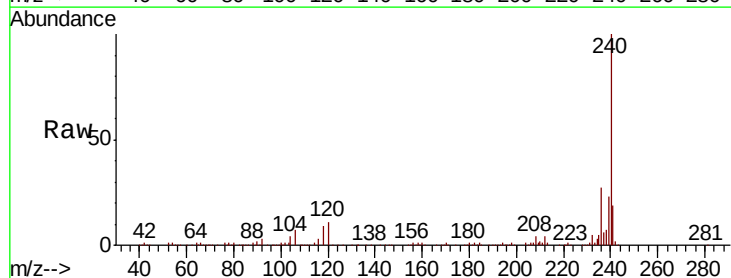
Tgt Ion:240 Resp: 460779

Ion Ratio Lower Upper

240 100

120 10.7 10.7 16.1#

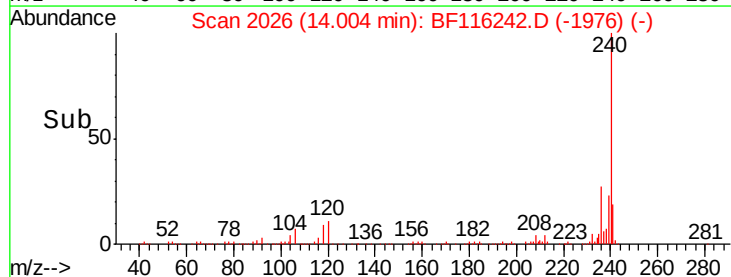
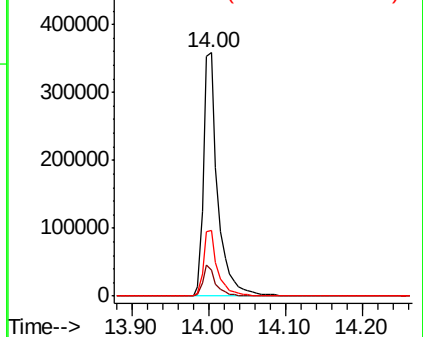
236 27.0 22.2 33.2

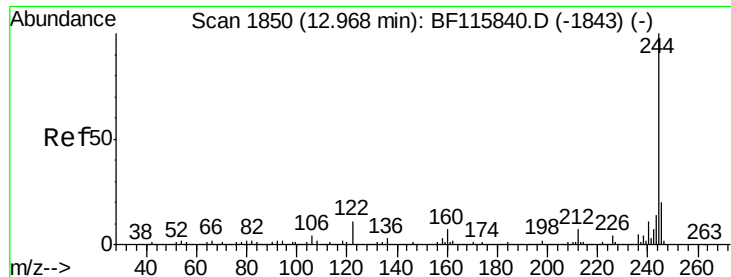


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 87.577 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

Instrument :

BNA_F

ClientSampleId :

REACTOR-3E-(0-3)-COMP

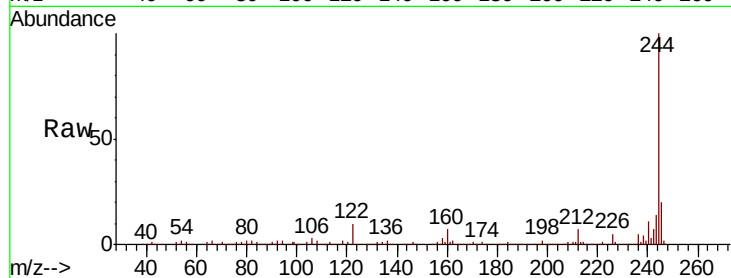
Tot Ion:244 Resp: 1915076

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

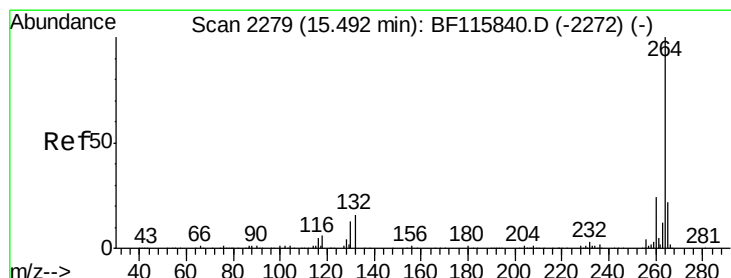
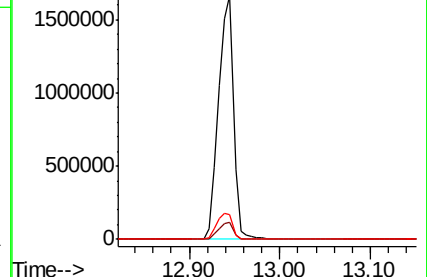
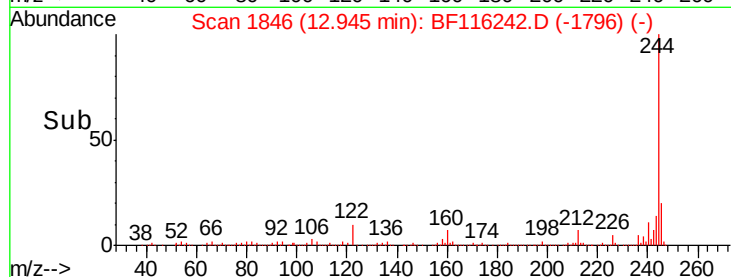
122 10.2 9.0 13.4



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: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116242.D

Acq: 13 Aug 2019 20:48

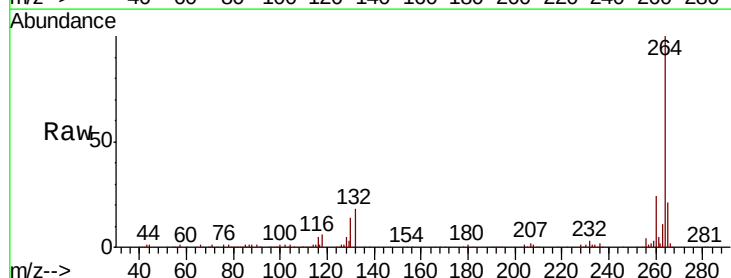
Tgt Ion:264 Resp: 395235

Ion Ratio Lower Upper

264 100

260 23.7 19.7 29.5

265 21.2 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

