

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095463.D
 Acq On : 26 May 2017 16:22
 Operator : SJ/MA
 Sample : I3241-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-FD01

Manual Integrations
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Quant Time: May 26 18:01:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	92377	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	366733	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	160166	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	240390	20.00	ng	0.00
75) Chrysene-d12	18.67	240	203660	20.00	ng	0.00
86) Perylene-d12	20.35	264	168436	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	373590	67.43	ng	0.01
7) Phenol-d6	7.30	99	462424	69.56	ng	0.00
23) Nitrobenzene-d5	8.65	82	250767	43.12	ng	0.00
41) 2,4,6-Tribromophenol	13.90	330	70346	53.63	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	553235	49.72	ng	0.00
78) Terphenyl-d14	17.32	244	328513	35.53	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	12.24	163	60111	4.57	ng	97
51) Acenaphthene	12.65	154	26081	2.56	ng	95
70) Phenanthrene	15.04	178	354887	25.69	ng	98
71) Anthracene	15.12	178	82997m	5.88	ng	
72) Carbazole	15.42	167	29161	2.27	ng	97
74) Fluoranthene	16.78	202	490846	34.64	ng	99
77) Pyrene	17.08	202	431290	28.32	ng	97
80) Benzo(a)anthracene	18.66	228	216456	18.26	ng	97
82) Chrysene	18.71	228	198930	17.36	ng	98
85) Indeno(1,2,3-cd)pyrene	21.68	276	77655	8.34	ng	# 90
87) Benzo(b)fluoranthene	19.94	252	220381m	21.17	ng	
88) Benzo(k)fluoranthene	19.97	252	81382m	8.11	ng	
89) Benzo(a)pyrene	20.29	252	156417	16.29	ng	97
90) Dibenzo(a,h)anthracene	21.68	278	20438m	2.58	ng	
91) Benzo(a,h,i)perylene	22.07	276	71175	9.14	ng	98

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

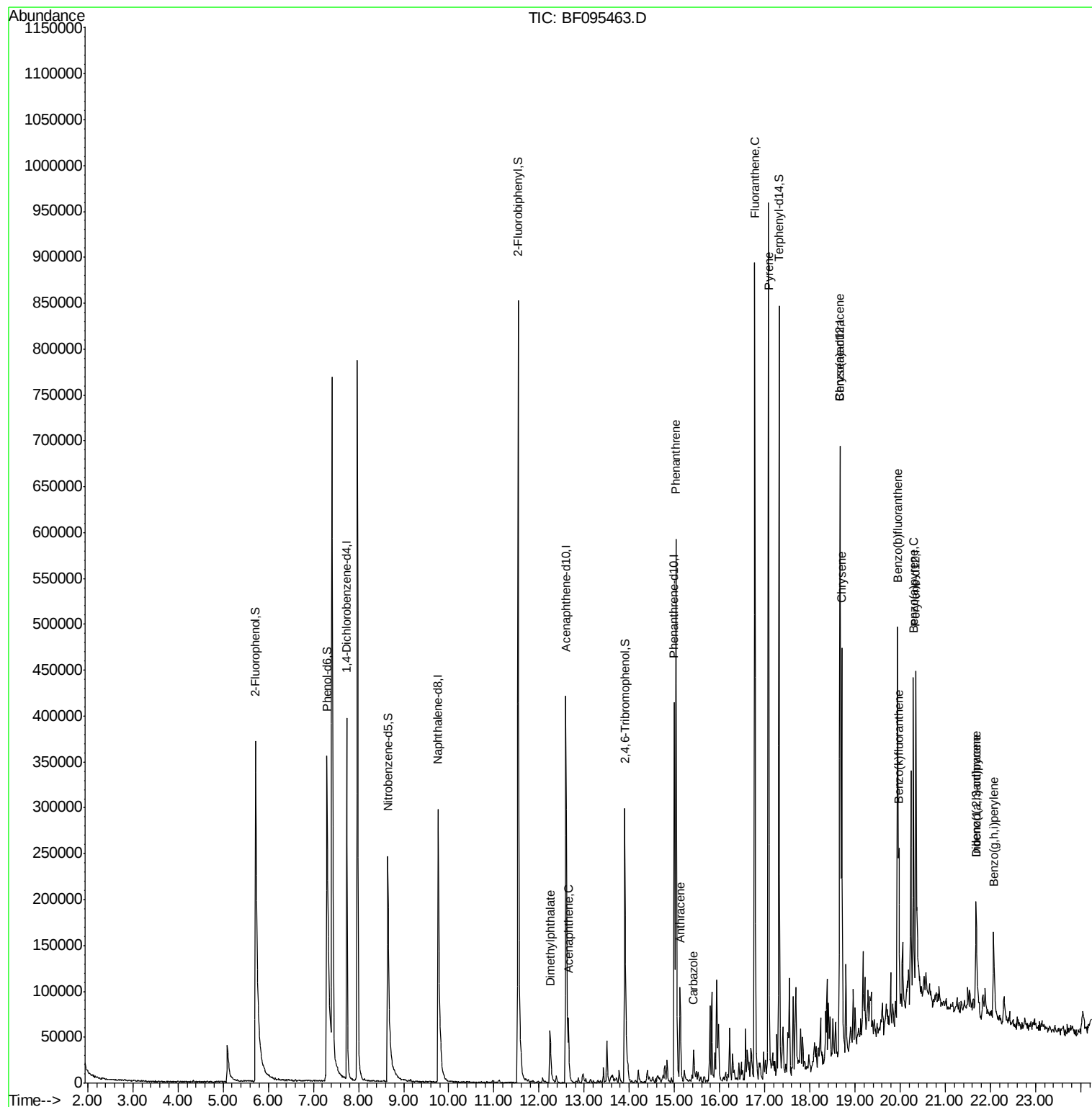
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
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ALS Vial : 10 Sample Multiplier: 1

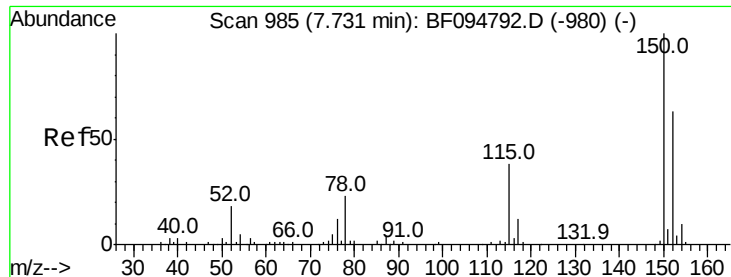
Instrument :
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#1

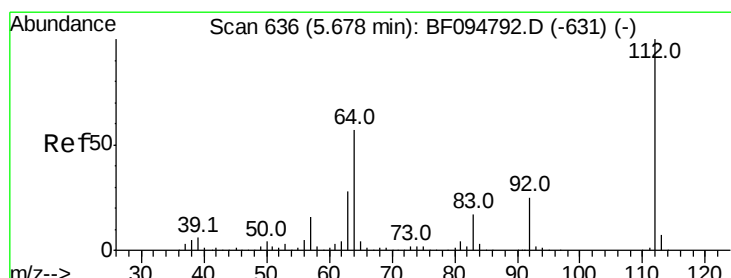
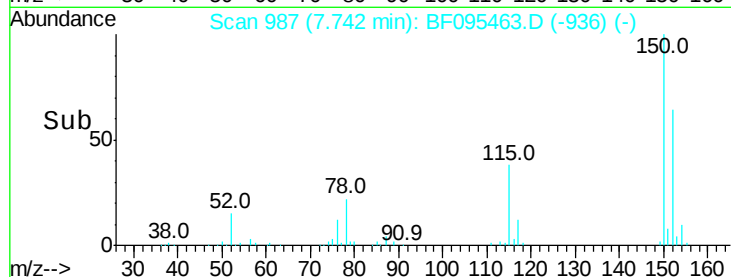
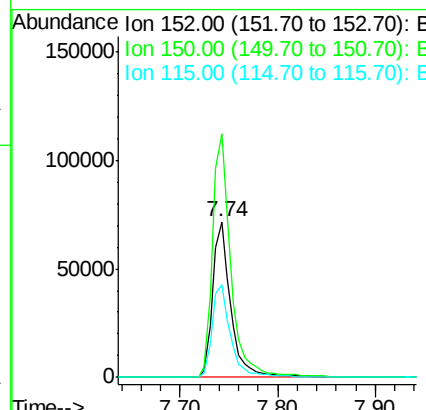
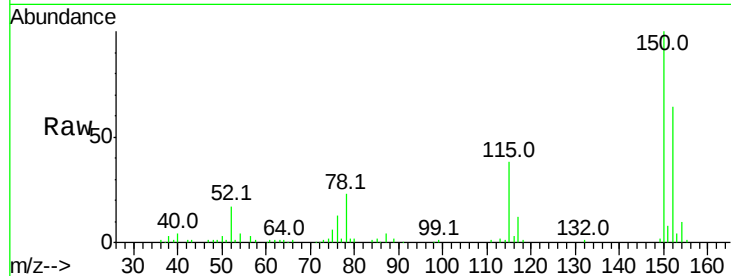
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Instrument :
BNA_F
ClientSampleId :
EP1-FD01

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	126.2	189.2
115	59.5	52.2	78.2

Manual Integrations
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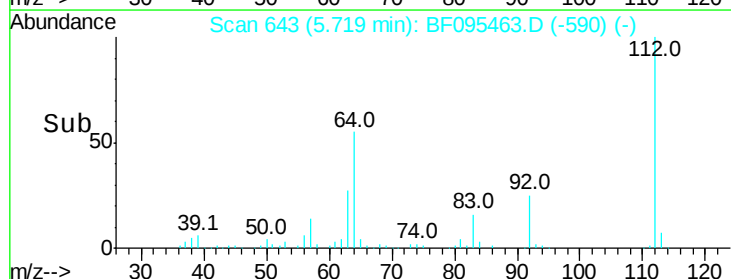
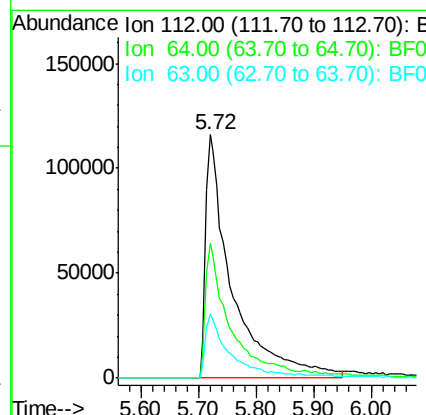
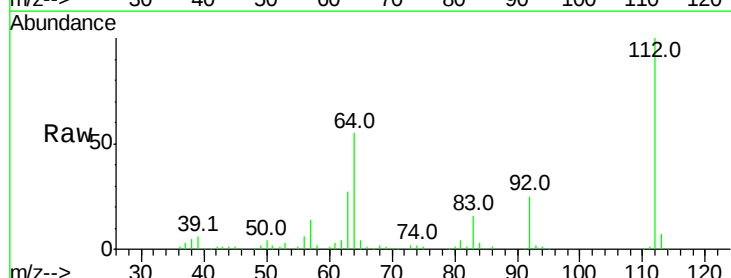
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#5

2-Fluorophenol
Concen: 67.43 ng
RT: 5.72 min Scan# 643
Delta R.T. 0.01 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	46.0	69.0
63	26.6	23.4	35.0





#7

Phenol-d6

Concen: 69.56 ng

RT: 7.30 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

Instrument :

BNA_F

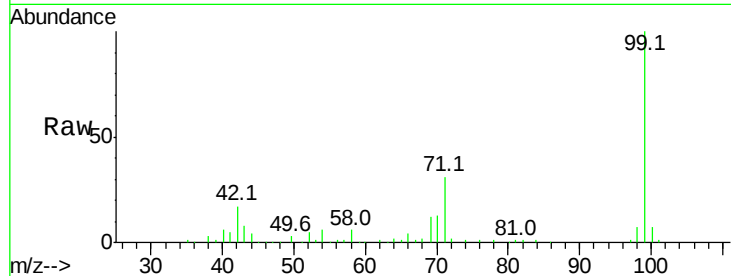
ClientSampleId :

EP1-FD01

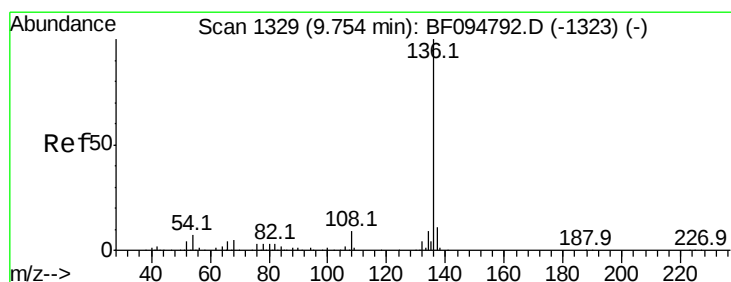
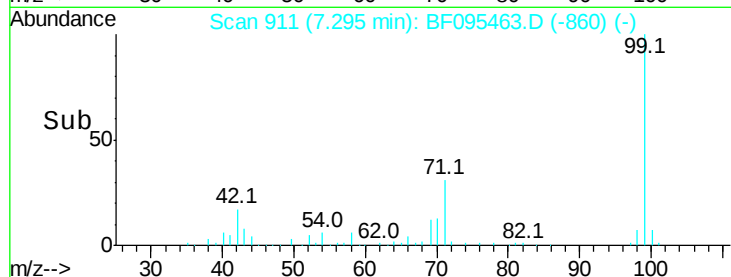
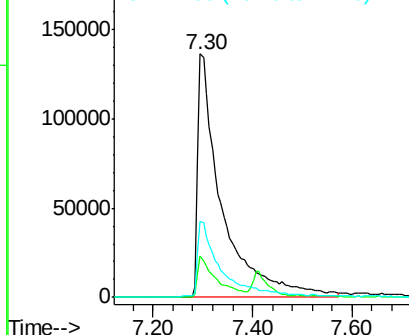
Tot Ion:	99	Resp:	462424
Ion Ratio	Lower	Upper	
99	100		
42	16.8	13.5	20.3
71	31.0	24.5	36.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1331

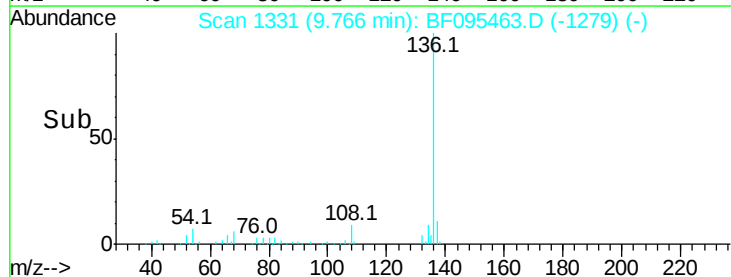
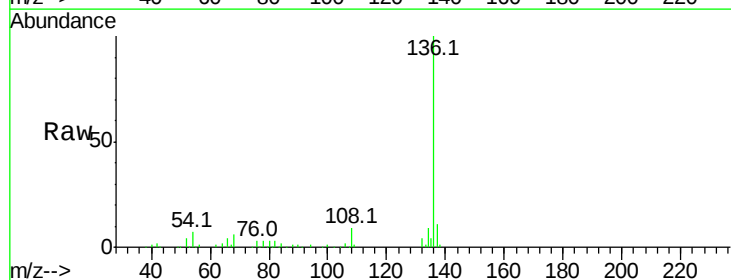
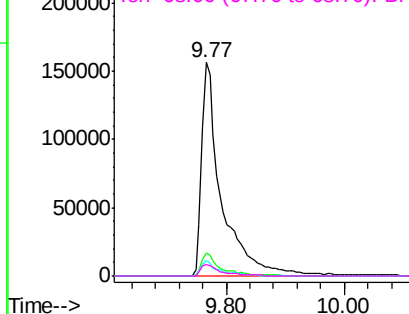
Delta R.T. 0.01 min

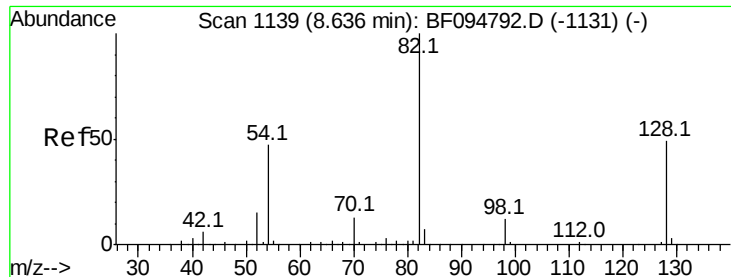
Lab File: BF095463.D

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Tgt Ion:	136	Resp:	366733
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	7.4	4.9	7.3#
68	5.6	4.1	6.1

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): BF0
Ion 68.00 (67.70 to 68.70): BF0





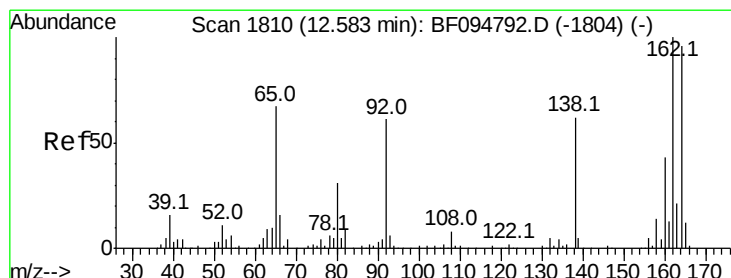
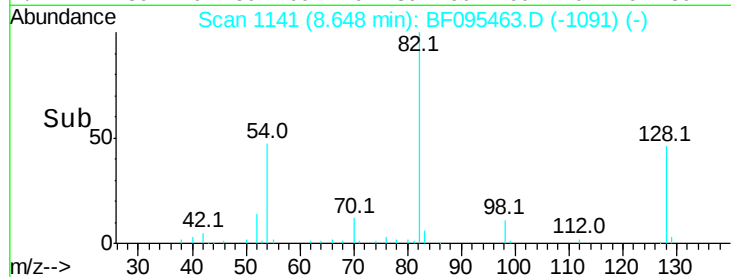
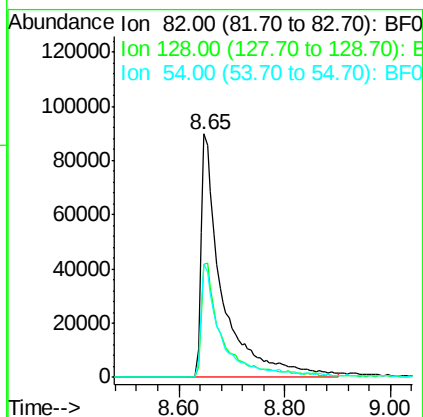
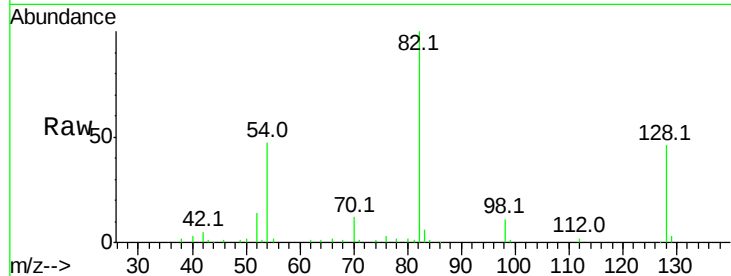
#23
Nitrobenzene-d5
Concen: 43.12 ng
RT: 8.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Instrument :
BNA_F
ClientSampleId :
EP1-FD01

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.0	51.0
54	46.7	42.2	63.2

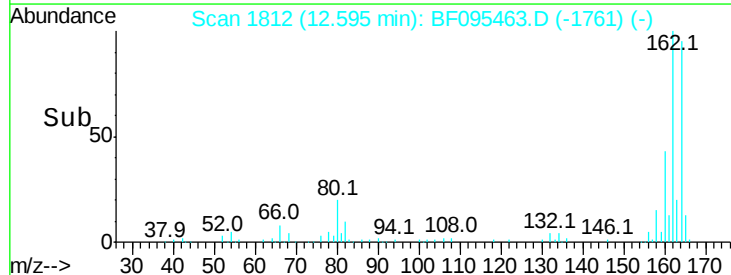
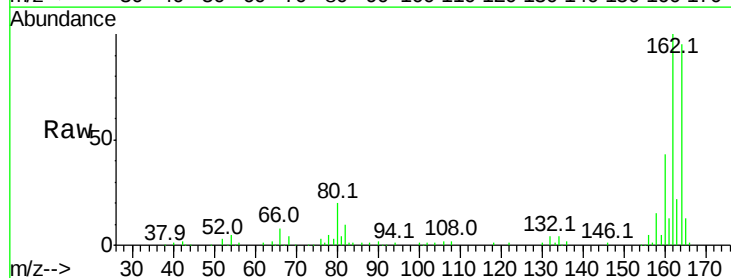
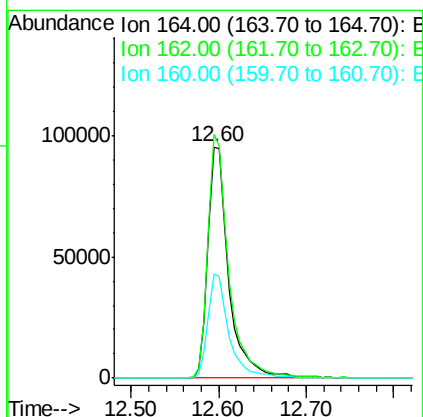
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.6	123.8
160	45.3	36.2	54.2





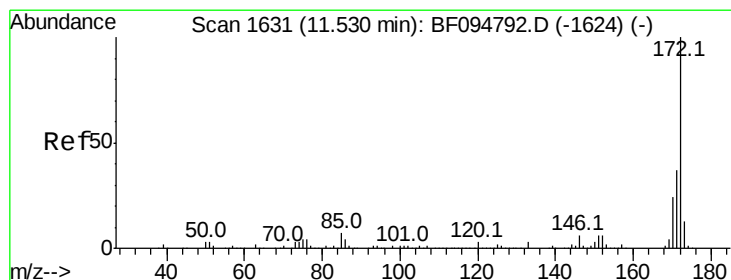
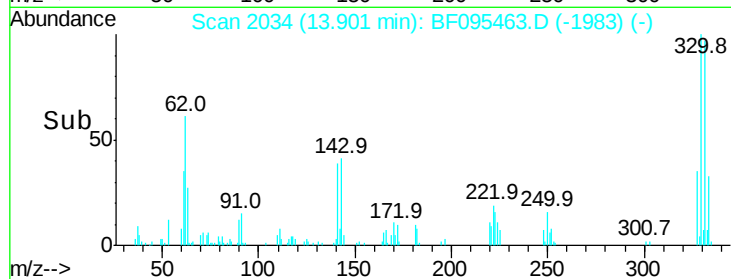
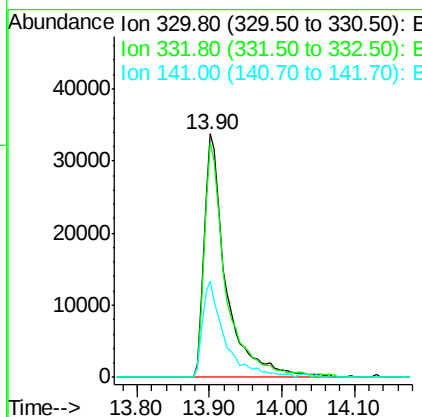
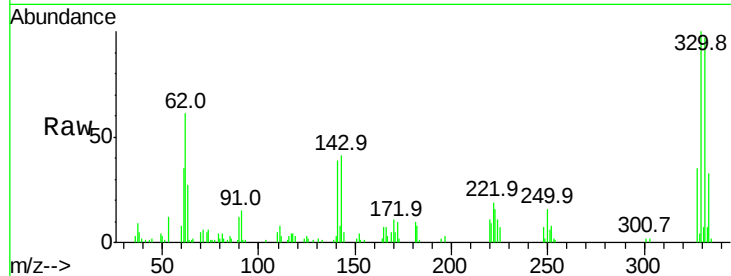
#41
 2,4,6-Tribromophenol
 Concen: 53.63 ng
 RT: 13.90 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF095463.D
 Acq: 26 May 2017 16:22

Instrument :
 BNA_F
 ClientSampleId :
 EP1-FD01

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	76.6	115.0
141	40.1	31.4	47.2

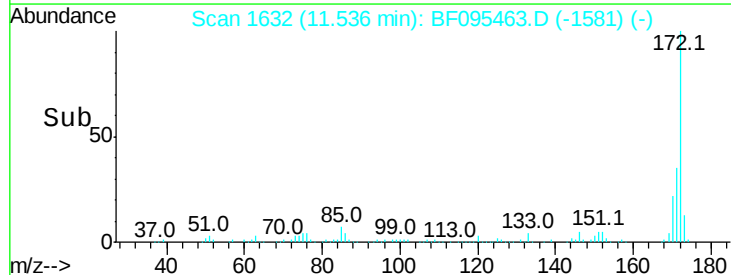
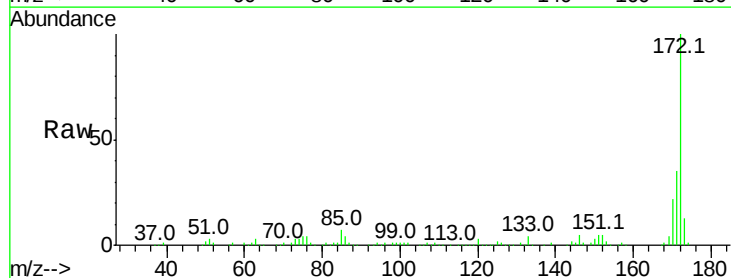
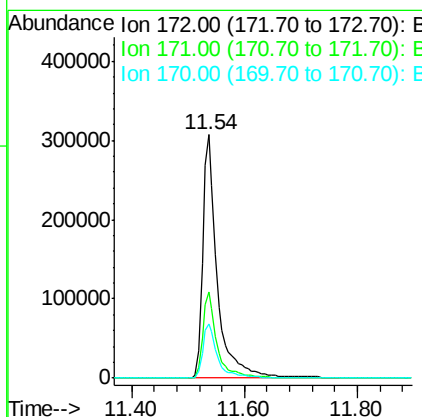
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#44
 2-Fluorobiphenyl
 Concen: 49.72 ng
 RT: 11.54 min Scan# 1632
 Delta R.T. 0.00 min
 Lab File: BF095463.D
 Acq: 26 May 2017 16:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	22.5	19.8	29.8





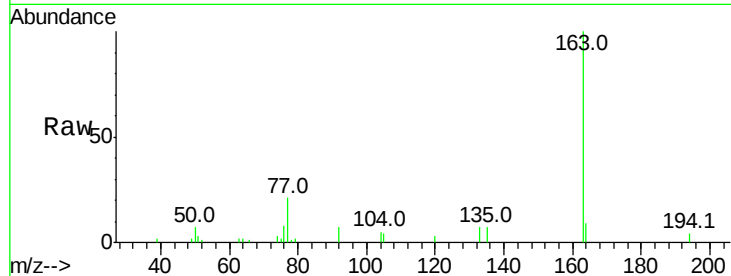
#49
Dimethylphthalate
Concen: 4.57 ng
RT: 12.24 min Scan# 1752
Delta R.T. 0.00 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Instrument :
BNA_F
ClientSampleId :
EP1-FD01

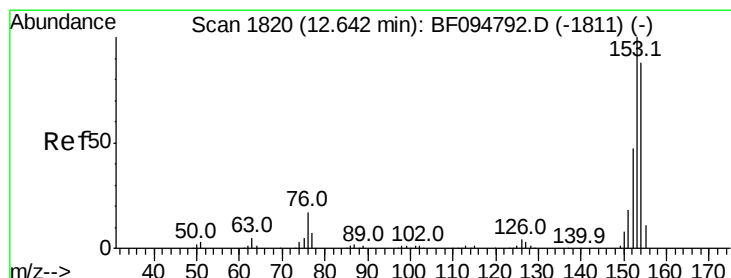
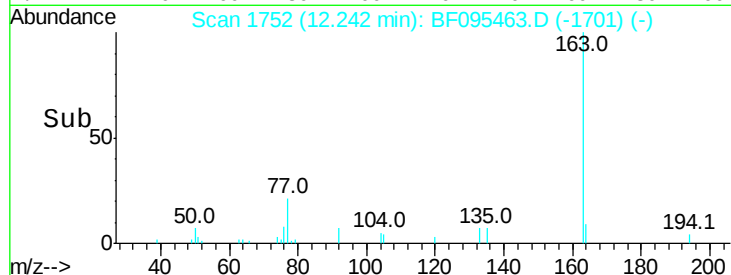
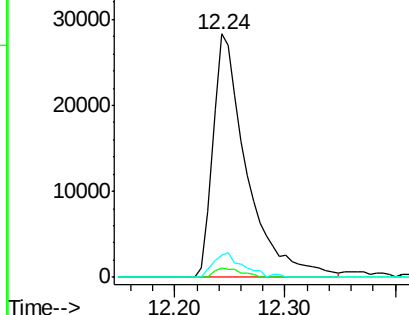
Tot Ion	Ratio	Resp	Lower	Upper
163	100	60111		
194	3.8		2.6	4.0
164	9.2		8.4	12.6

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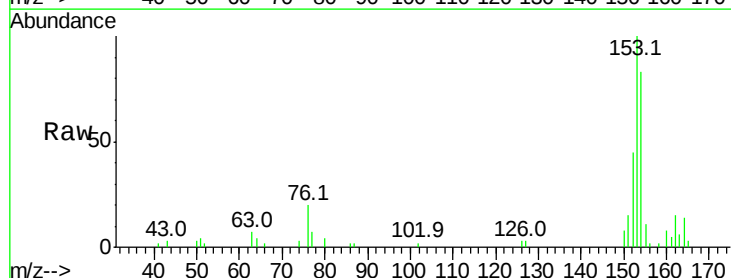


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

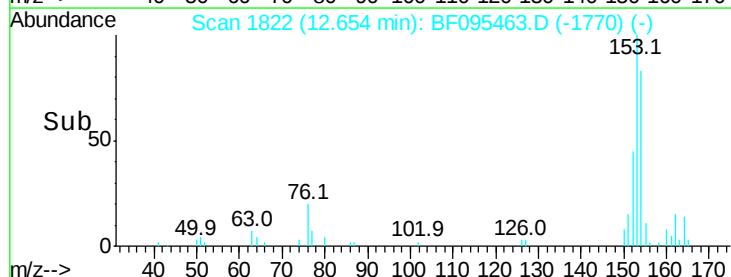
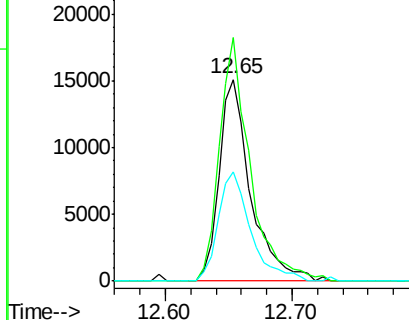


#51
Acenaphthene
Concen: 2.56 ng
RT: 12.65 min Scan# 1822
Delta R.T. 0.01 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	26081		
153	120.6		90.5	135.7
152	54.3		43.6	65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





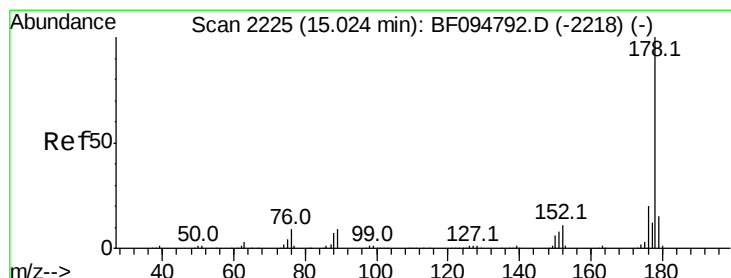
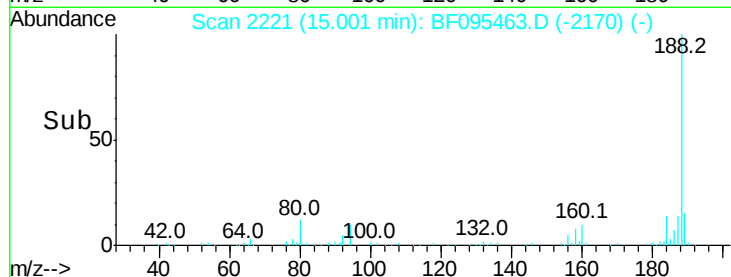
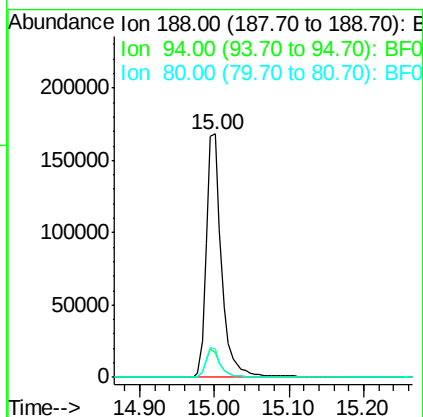
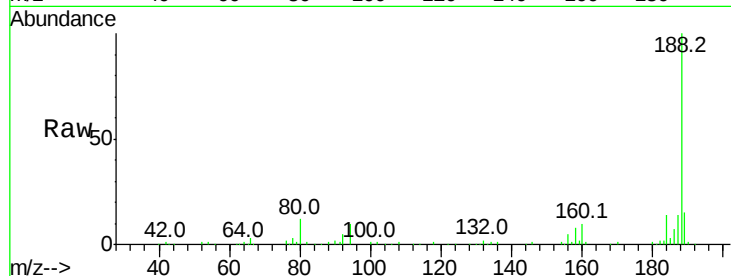
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. 0.00 min
 Lab File: BF095463.D
 Acq: 26 May 2017 16:22

Instrument :
 BNA_F
 ClientSampleId :
 EP1-FD01

Tot Ion	Ratio	Resp	Lower	Upper
188	100	240390		
94	10.3		9.4	14.2
80	11.6		10.2	15.2

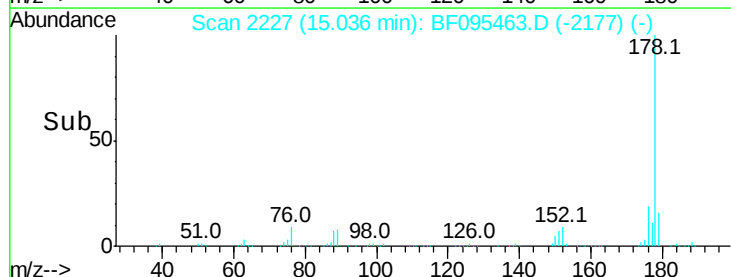
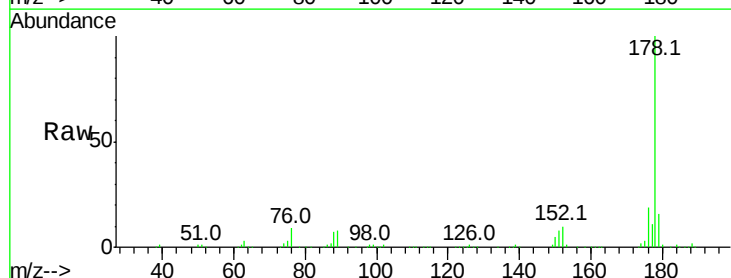
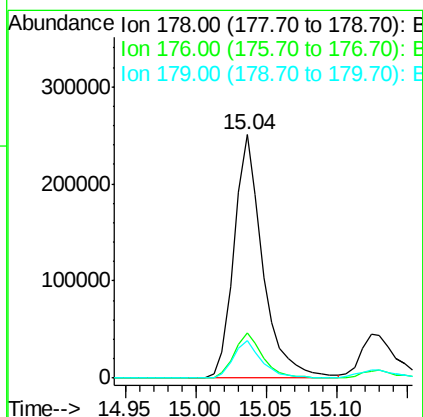
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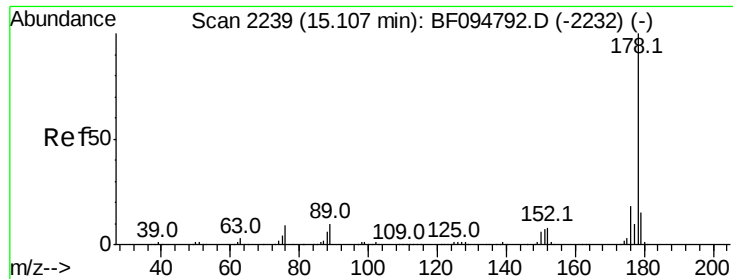
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#70
 Phenanthrene
 Concen: 25.69 ng
 RT: 15.04 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BF095463.D
 Acq: 26 May 2017 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	354887		
176	18.6		16.2	24.4
179	15.7		12.6	19.0





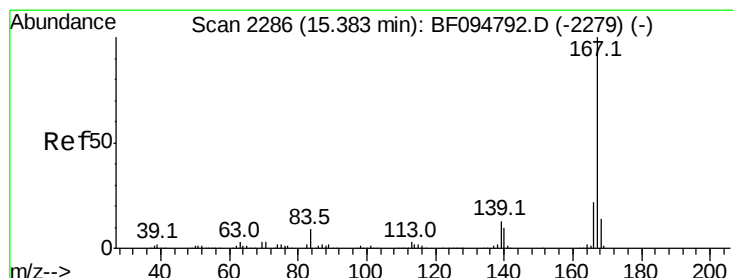
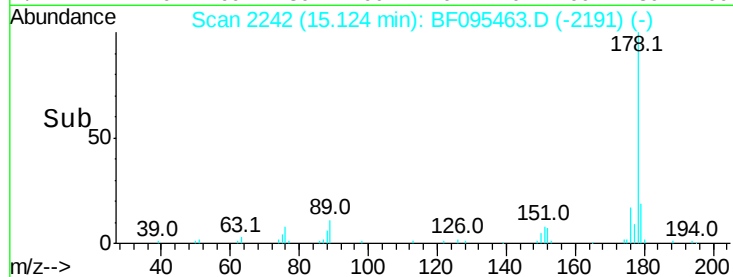
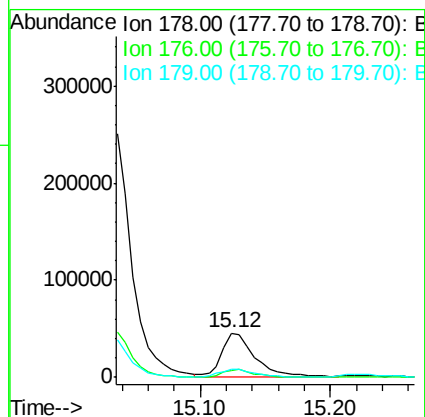
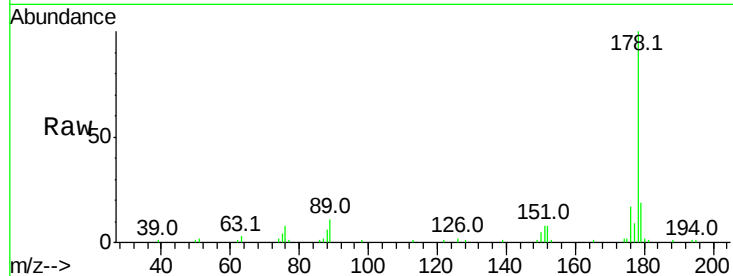
#71
 Anthracene
 Concen: 5.88 ng/mL
 RT: 15.12 min Scan# 2242
 Delta R.T. 0.00 min
 Lab File: BF095463.D
 Acq: 26 May 2017 16:22

Instrument :
 BNA_F
 ClientSampleId :
 EP1-FD01

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.7	15.8	23.8
179	19.4	12.7	19.1

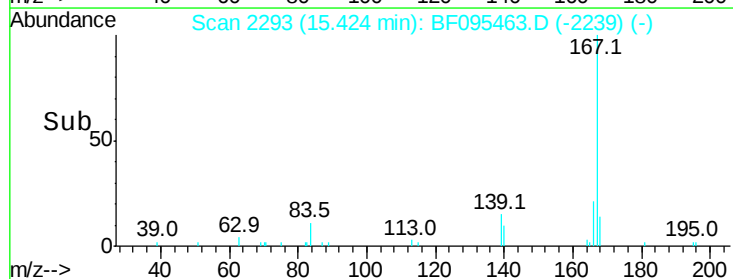
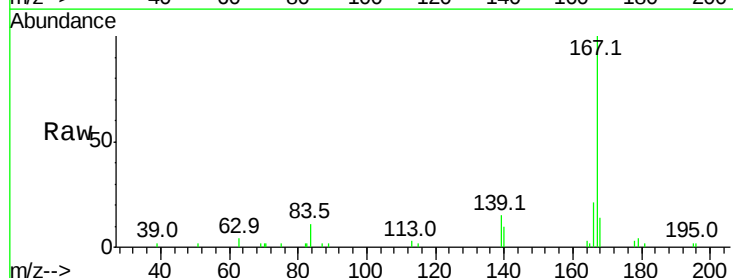
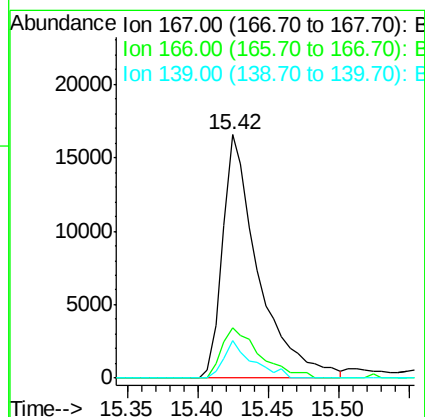
Manual Integrations
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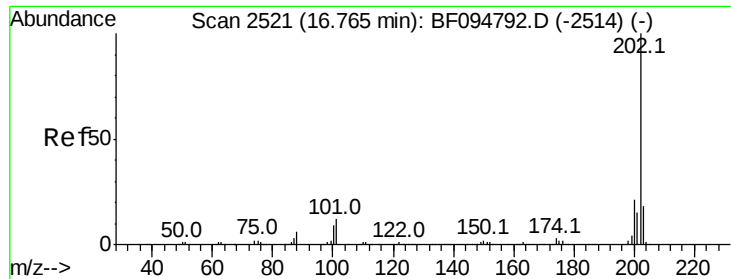
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#72
 Carbazole
 Concen: 2.27 ng/mL
 RT: 15.42 min Scan# 2293
 Delta R.T. 0.02 min
 Lab File: BF095463.D
 Acq: 26 May 2017 16:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	18.1	27.1
139	15.2	11.7	17.5





#74

Fluoranthene

Concen: 34.64 ng

RT: 16.78 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

Instrument :

BNA_F

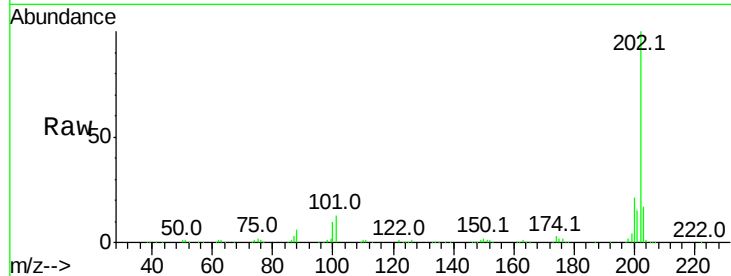
ClientSampled :

EP1-FD01

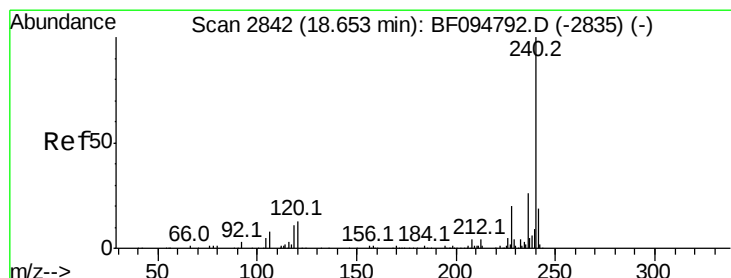
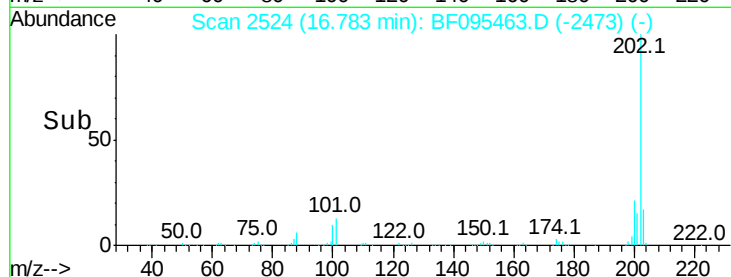
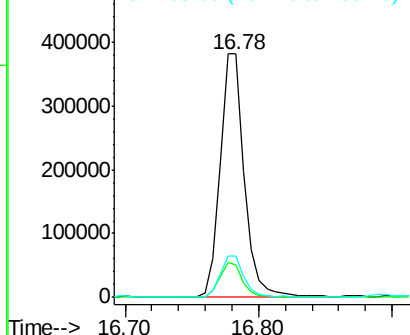
Tot Ion	Ratio	Resp	Lower	Upper
202	100	490846		
101	13.1	0.0	33.2	
203	17.1	0.0	38.1	

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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



#75

Chrysene-d12

Concen: 20.00 ng

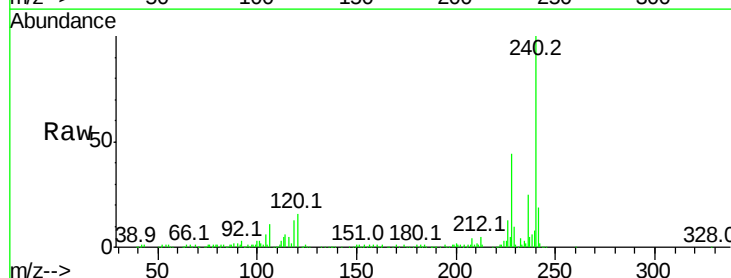
RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

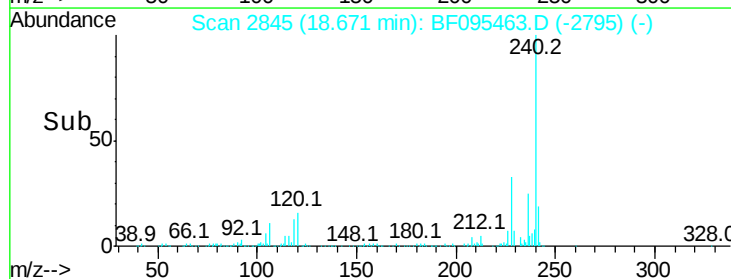
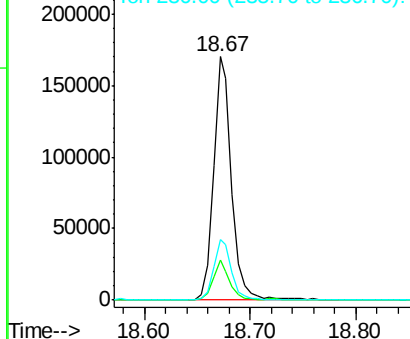
Lab File: BF095463.D

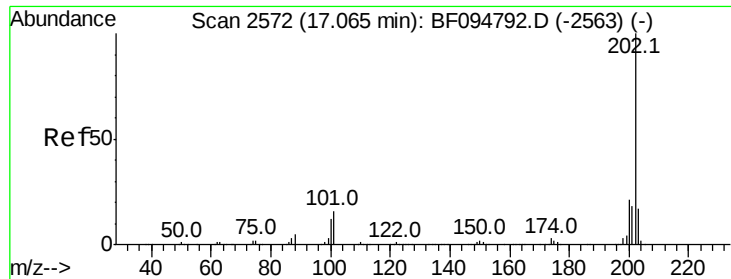
Acq: 26 May 2017 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	203660		
120	16.4	5.8	8.8#	
236	24.7	20.5	30.7	



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





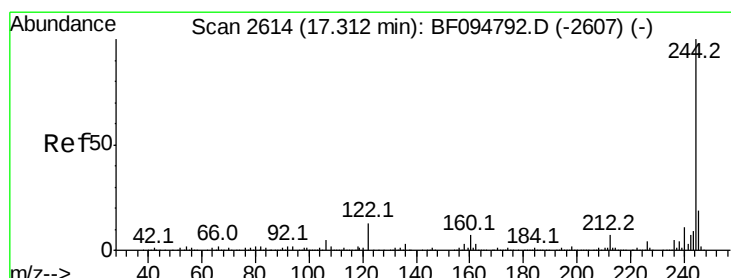
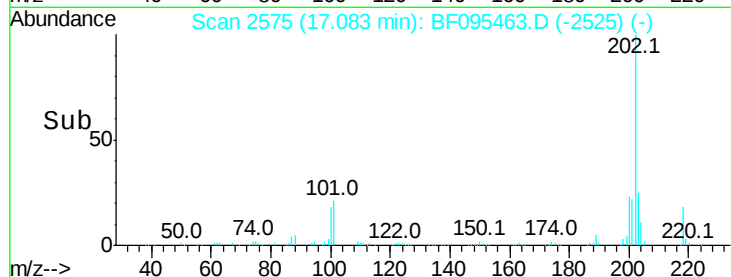
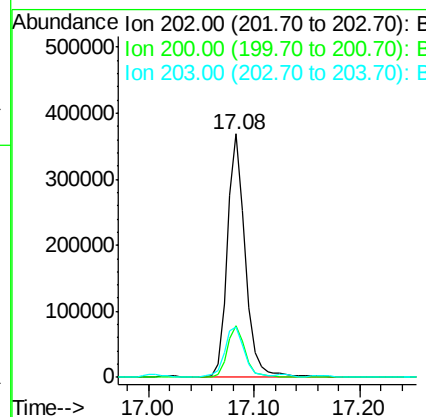
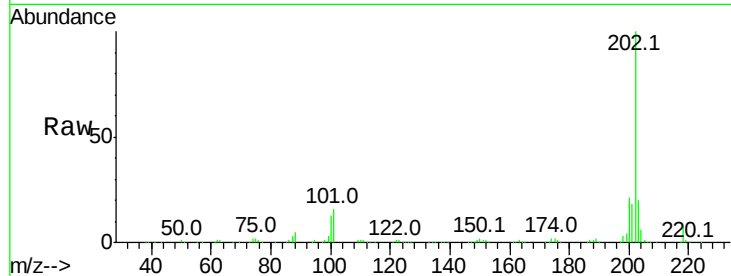
#77
Pvrene
Concen: 28.32 ng
RT: 17.08 min Scan# 2575
Delta R.T. -0.01 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Instrument :
BNA_F
ClientSampleId :
EP1-FD01

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.4	17.6	26.4	
203	20.4	14.4	21.6	

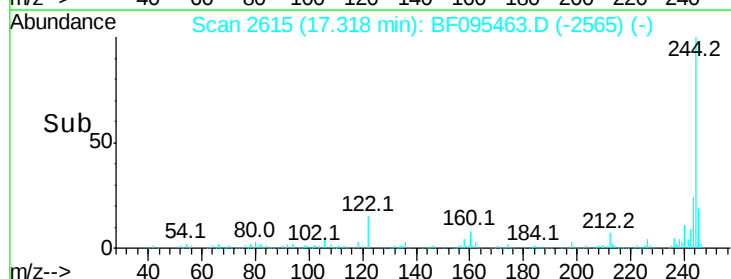
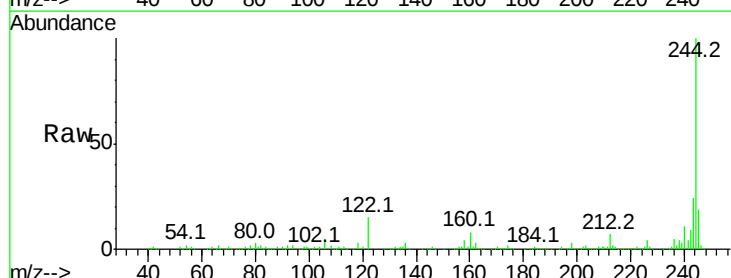
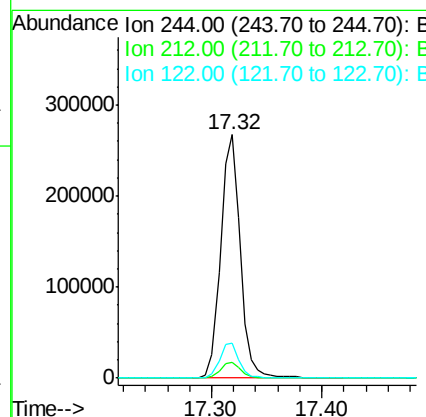
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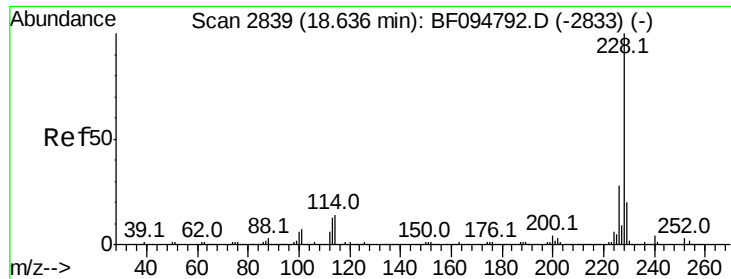
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#78
Terphenyl-d14
Concen: 35.53 ng
RT: 17.32 min Scan# 2615
Delta R.T. -0.01 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.7	6.0	9.0	
122	14.5	10.3	15.5	





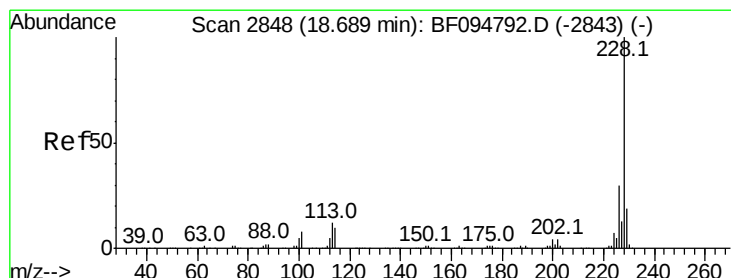
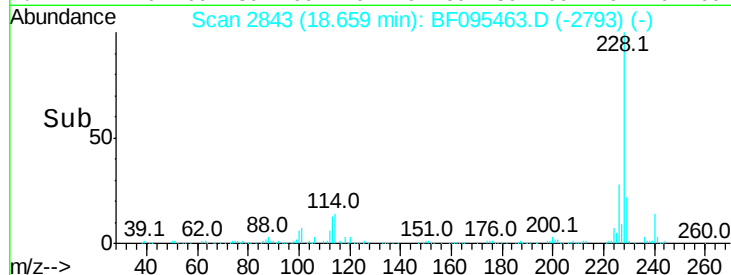
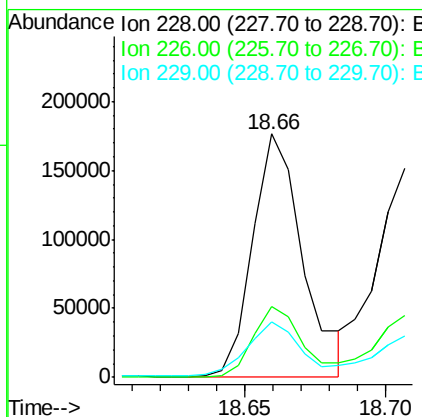
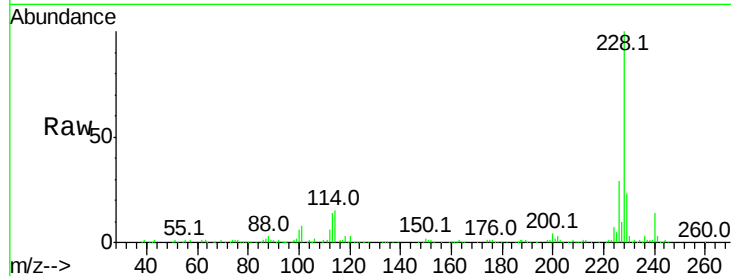
#80
Benzo(a)anthracene
Concen: 18.26 ng
RT: 18.66 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Instrument :
BNA_F
ClientSampleId :
EP1-FD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		216456		
226	28.8	22.6	33.8		
229	23.0	16.3	24.5		

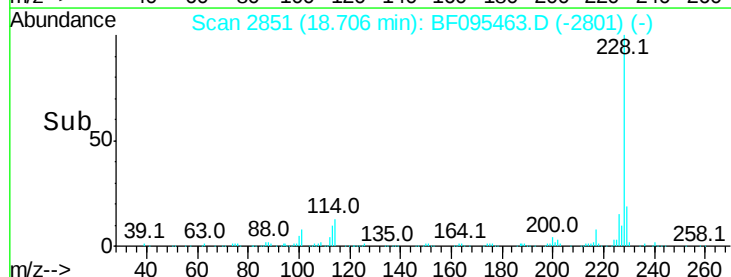
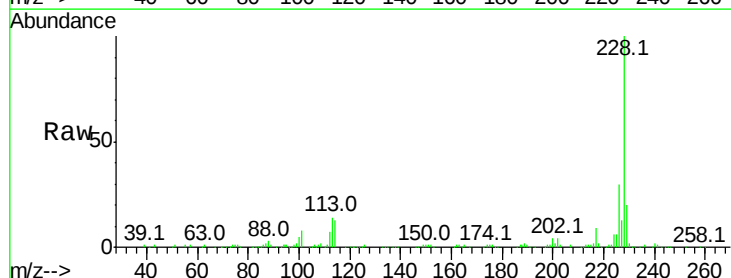
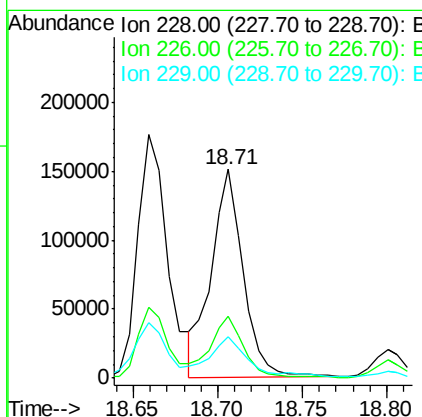
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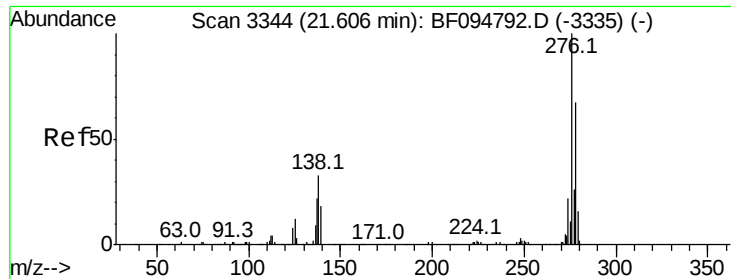
mohammad
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#82
Chrysene
Concen: 17.36 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		198930		
226	29.7	24.9	37.3		
229	19.7	15.8	23.6		





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.34 ng

RT: 21.68 min Scan# 3357

Delta R.T. 0.00 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

Instrument :

BNA_F

ClientSampled :

EP1-FD01

Tot Ion:276 Resp: 77655

Ion Ratio Lower Upper

276 100

138 26.0 27.8 41.6#

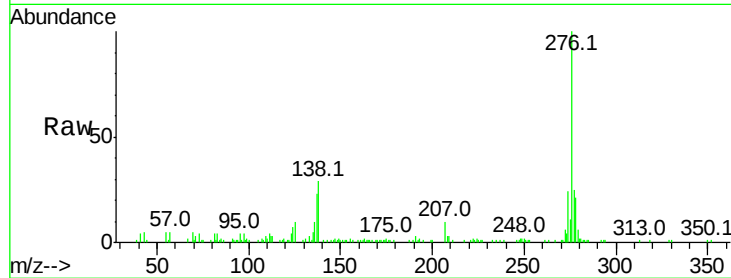
277 24.1 20.2 30.4

Manual Integrations

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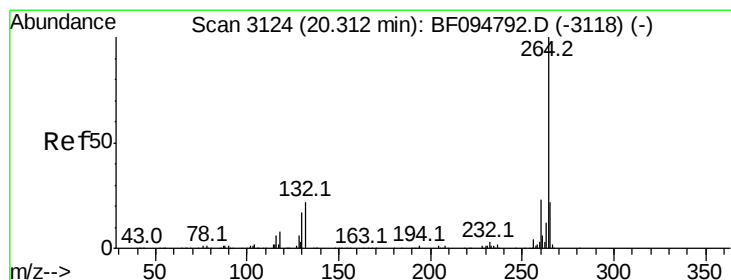
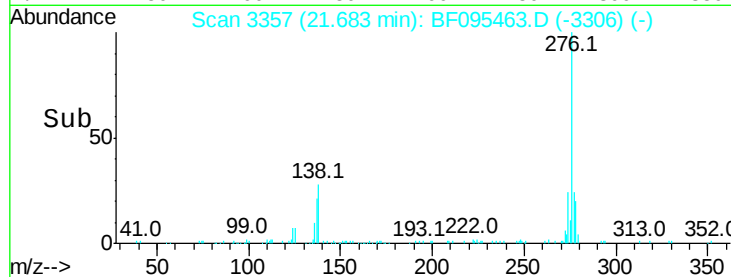
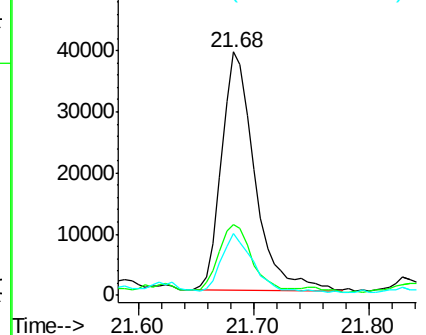
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.35 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

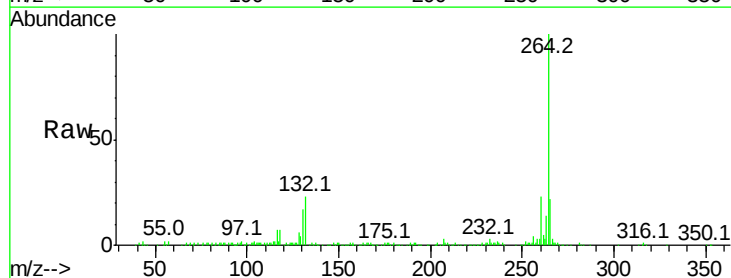
Tgt Ion:264 Resp: 168436

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

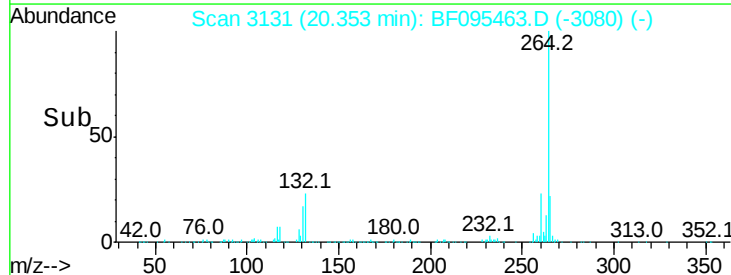
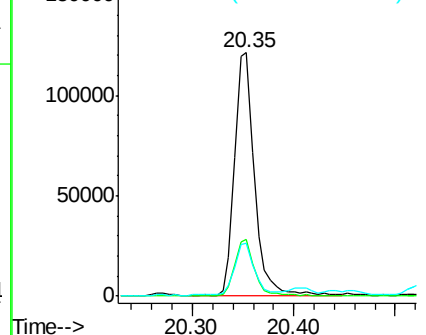
265 21.8 17.2 25.8

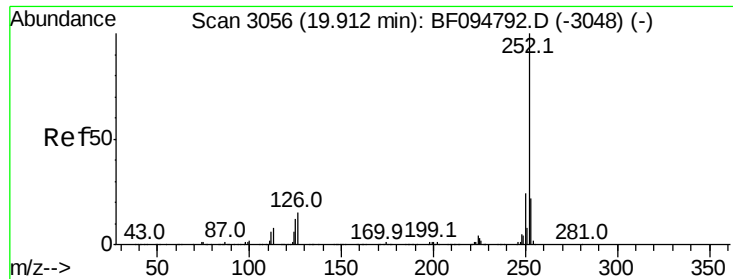


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 21.17 ng m

RT: 19.94 min Scan# 3061

Delta R.T. 0.00 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

Instrument :

BNA_F

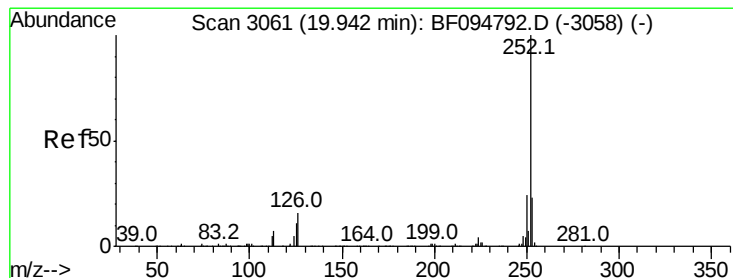
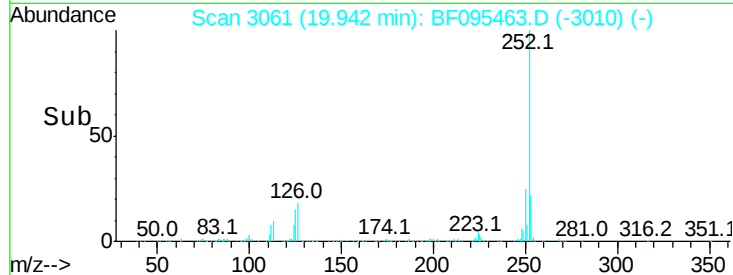
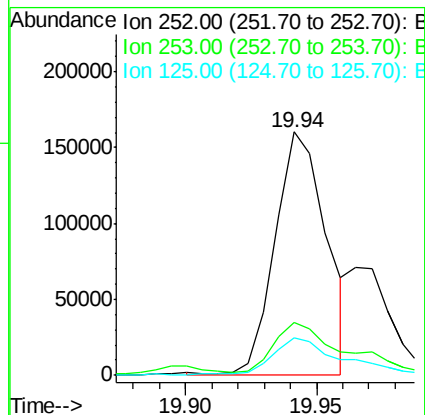
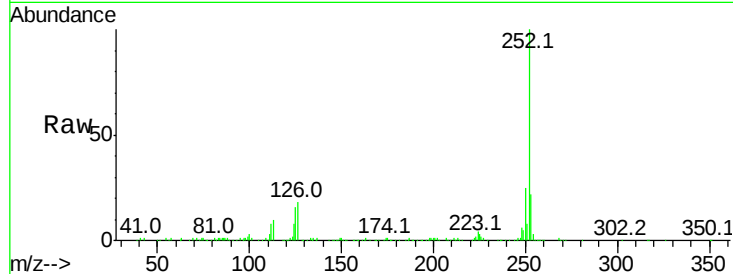
ClientSampleId :

EP1-FD01

Tot Ion:	252	Resp:	220381
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.1	27.1
125	15.6	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 8.11 ng m

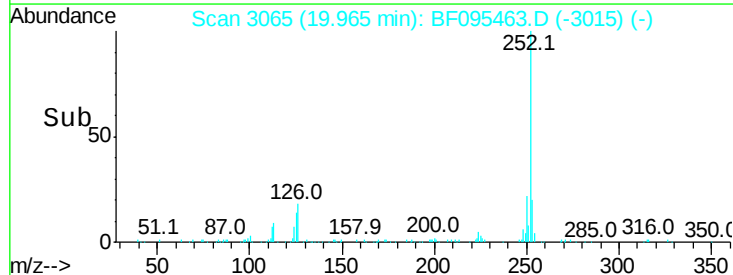
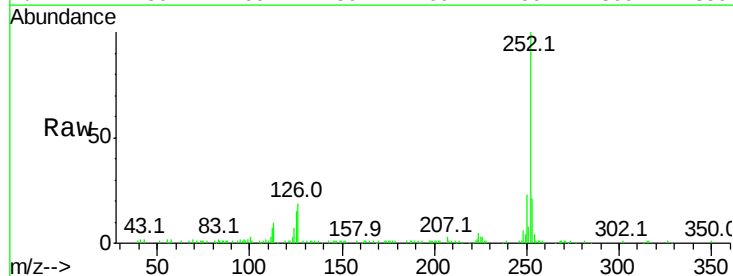
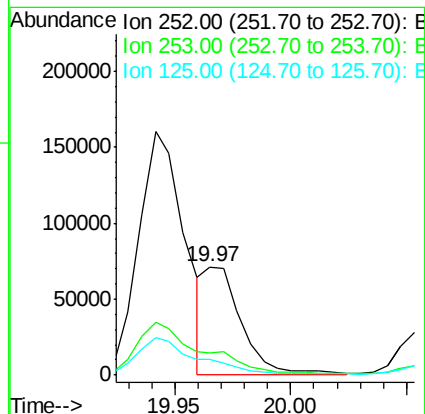
RT: 19.97 min Scan# 3065

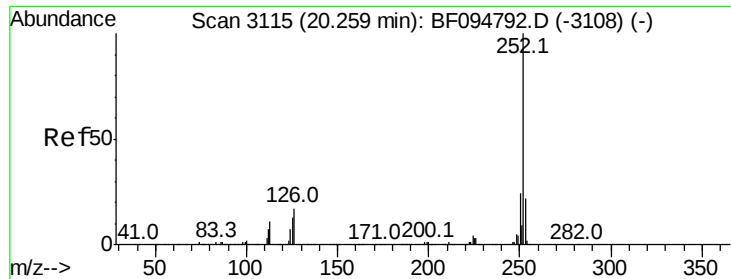
Delta R.T. -0.01 min

Lab File: BF095463.D

Acq: 26 May 2017 16:22

Tgt Ion:	252	Resp:	81382
Ion Ratio	Lower	Upper	
252	100		
253	20.9	18.4	27.6
125	14.6	13.1	19.7





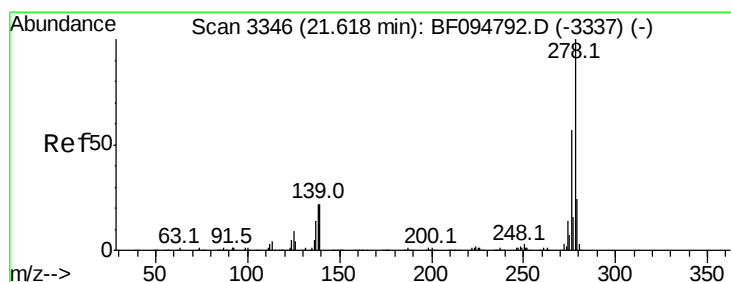
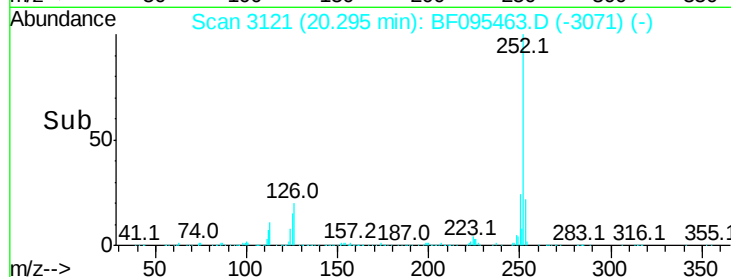
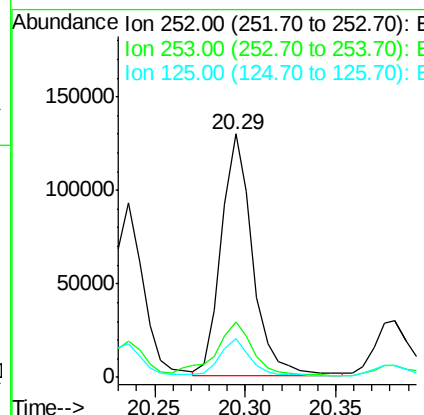
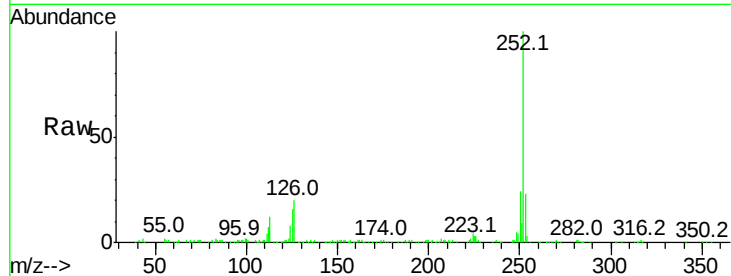
#89
Benzo(a)pyrene
Concen: 16.29 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Instrument :
BNA_F
ClientSampleId :
EP1-FD01

Tot Ion	Ratio	Resp	Lower	Upper
252	100	156417		
253	23.0		17.5	26.3
125	15.8		11.0	16.4

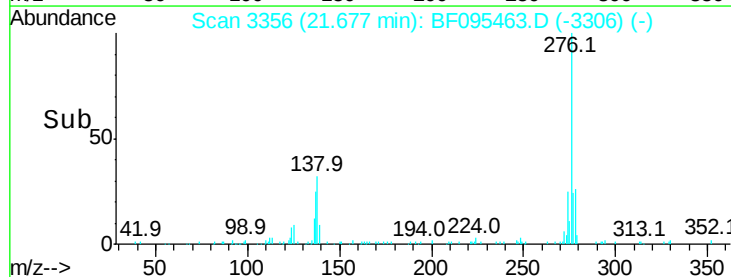
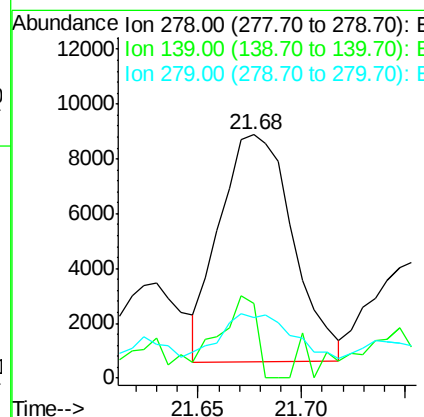
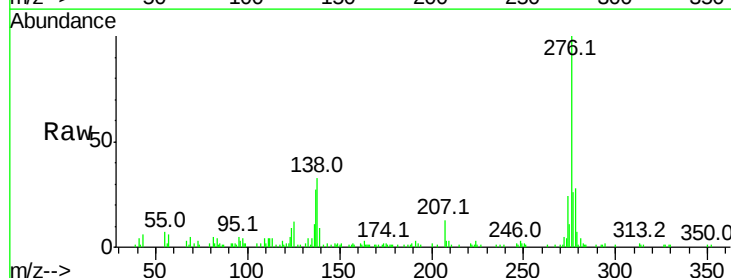
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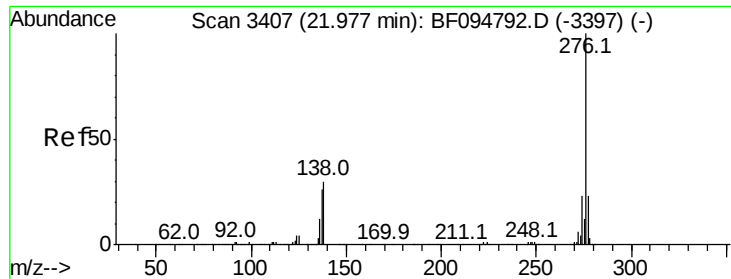
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 2.58 ng m
RT: 21.68 min Scan# 3356
Delta R.T. -0.01 min
Lab File: BF095463.D
Acq: 26 May 2017 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	20438		
139	30.7		16.6	24.8#
279	24.8		19.3	28.9





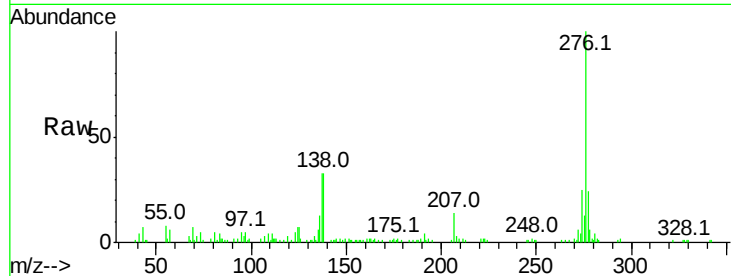
#91
 Benzo(a,h,i)perylene
 Concen: 9.14 ng
 RT: 22.07 min Scan# 3423
 Delta R.T. 0.00 min
 Lab File: BF095463.D
 Acq: 26 May 2017 16:22

Instrument :
 BNA_F
 ClientSampleId :
 EP1-FD01

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	33.3	25.4	38.0

Manual Integrations
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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

