

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
 Data File : BF095866.D
 Acq On : 11 Jun 2017 1:01
 Operator : SJ/MA
 Sample : I3594-07 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-C

Manual Integrations
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 6/12/2017 1:28:43 PM

Quant Time: Jun 12 06:43:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	59703	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	235456	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	95937	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	151065	20.00	ng	-0.03
75) Chrysene-d12	18.34	240	137618	20.00	ng	-0.02
86) Perylene-d12	20.01	264	95177	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	76759	20.49	ng	0.00
7) Phenol-d6	6.96	99	96904	21.60	ng	0.00
23) Nitrobenzene-d5	8.29	82	53339	14.07	ng	-0.03
41) 2,4,6-Tribromophenol	13.53	330	15418	18.16	ng	-0.02
44) 2-Fluorobiphenyl	11.18	172	121942	17.69	ng	-0.04
78) Terphenyl-d14	16.99	244	85934	15.50	ng	-0.02
Target Compounds						
49) Dimethylphthalate	11.88	163	14998	2.06	ng	Qvalue # 95
70) Phenanthrene	14.66	178	83446	9.57	ng	96
71) Anthracene	14.74	178	27425	3.01	ng	94
74) Fluoranthene	16.43	202	112755	13.07	ng	89
77) Pyrene	16.74	202	122622	11.94	ng	# 95
80) Benzo(a)anthracene	18.33	228	58510m	7.31	ng	
82) Chrysene	18.37	228	53822	6.73	ng	98
85) Indeno(1,2,3-cd)pyrene	21.20	276	25104	3.67	ng	# 91
87) Benzo(b)fluoranthene	19.61	252	63498m	10.65	ng	
88) Benzo(k)fluoranthene	19.63	252	17921m	3.15	ng	
89) Benzo(a)pyrene	19.96	252	43399	7.92	ng	# 90
91) Benzo(a,h,i)perylene	21.53	276	23144	4.89	ng	91

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

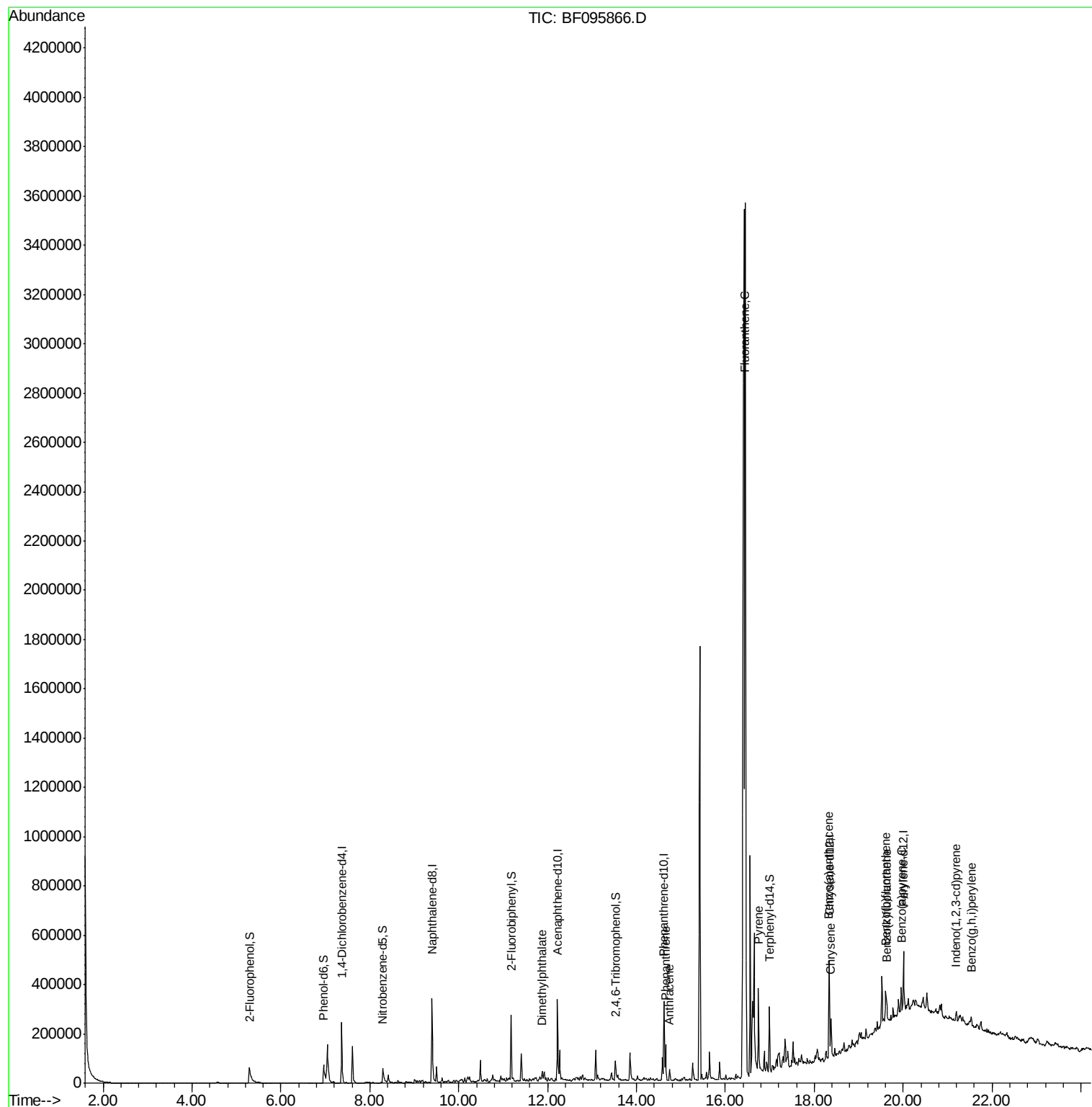
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
Data File : BF095866.D
Acq On : 11 Jun 2017 1:01
Operator : SJ/MA
Sample : I3594-07 5X
Misc :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
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Response via : Initial Calibration





#1

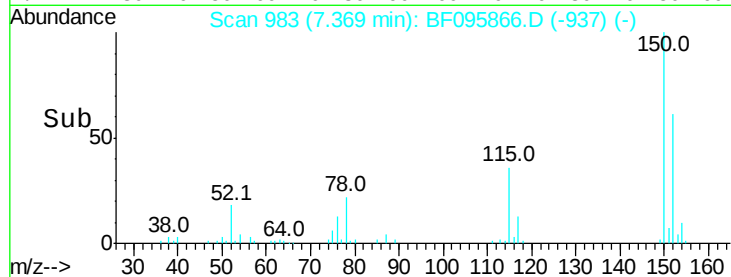
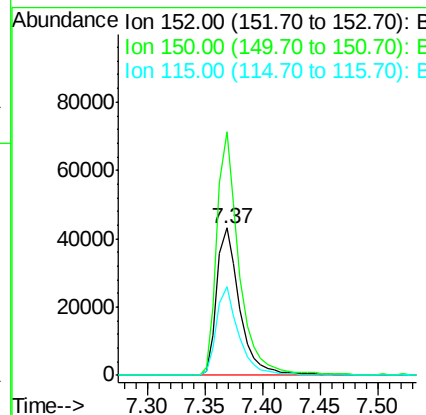
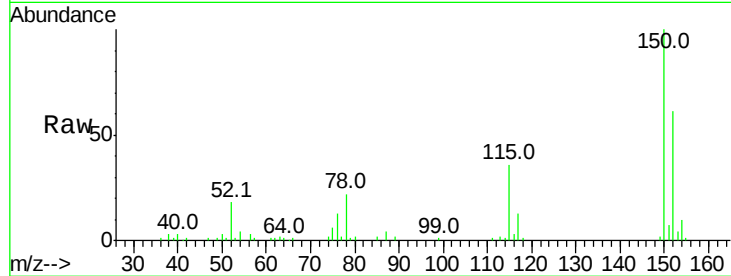
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.37 min Scan# 983
 Delta R.T. -0.03 min
 Lab File: BF095866.D
 Acq: 11 Jun 2017 1:01

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.2	126.2	189.2
115	60.3	52.2	78.2

Manual Integrations
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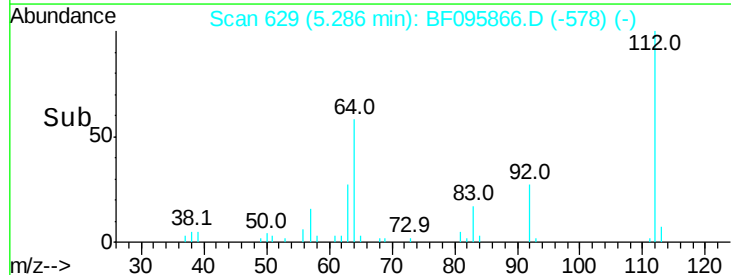
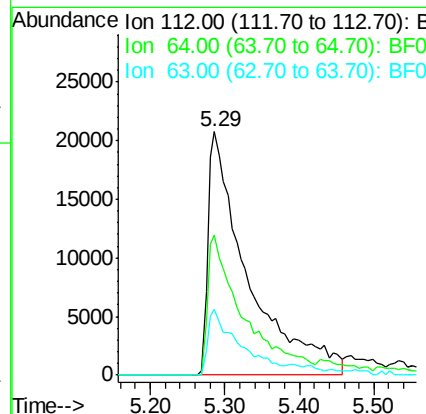
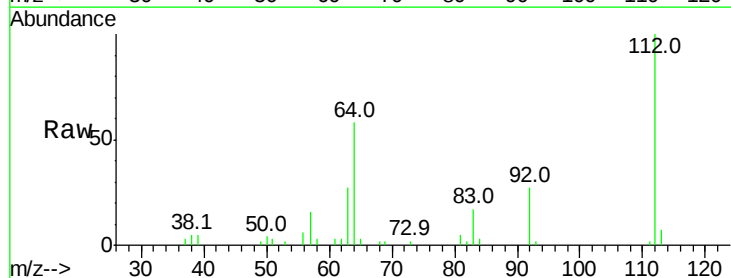
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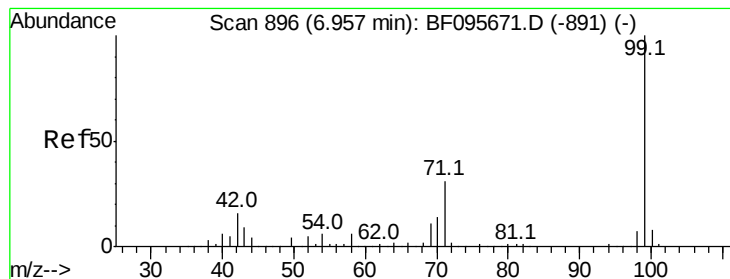


#5

2-Fluorophenol
 Concen: 20.49 ng
 RT: 5.29 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: BF095866.D
 Acq: 11 Jun 2017 1:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	46.0	69.0
63	27.1	23.4	35.0





#7

Phenol-d6

Concen: 21.60 ng

RT: 6.96 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF095866.D

Acq: 11 Jun 2017 1:01

Instrument :

BNA_F

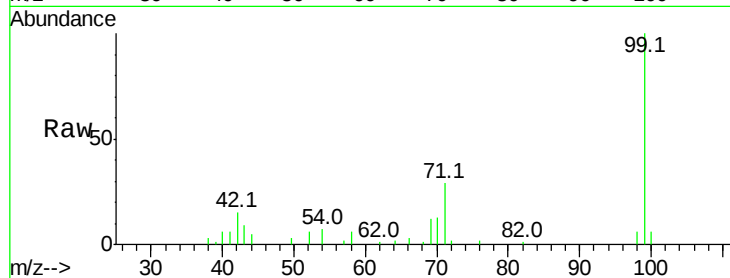
ClientSampleId :

EO-01-060917-C

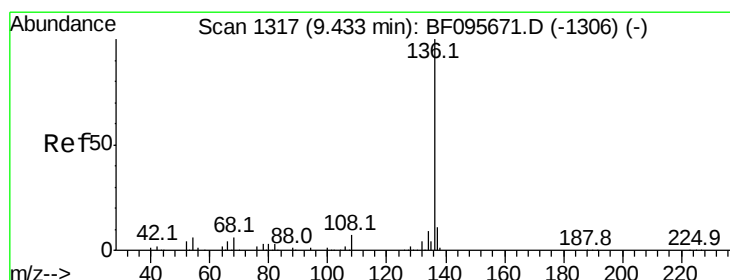
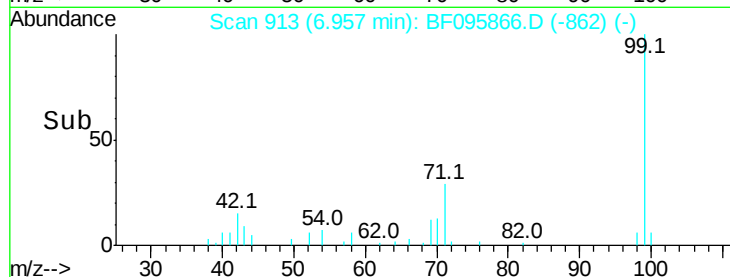
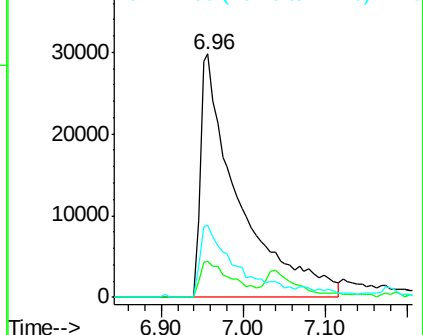
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		96904		
42	15.1	13.5	20.3		
71	29.4	24.5	36.7		

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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: 9.40 min Scan# 1328

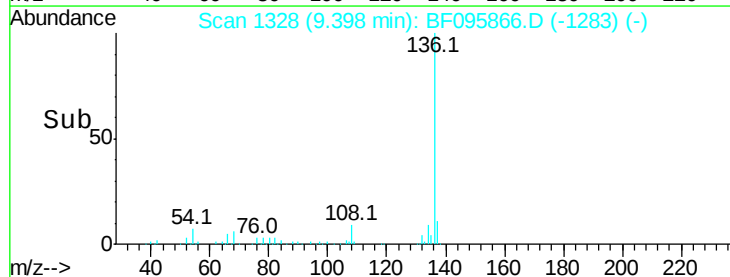
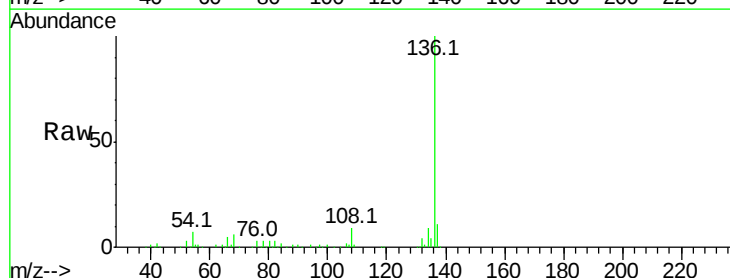
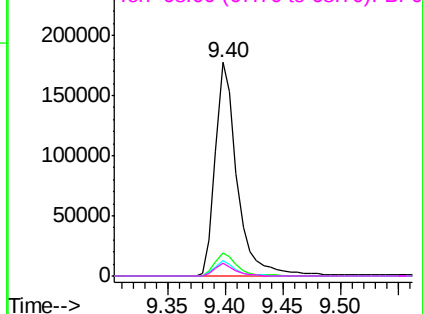
Delta R.T. -0.04 min

Lab File: BF095866.D

Acq: 11 Jun 2017 1:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		235456		
137	10.8	8.5	12.7		
54	7.2	4.9	7.3		
68	5.9	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





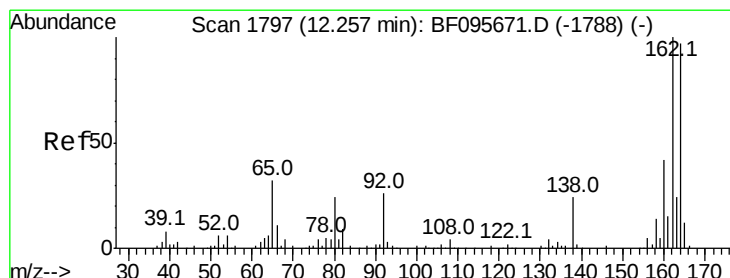
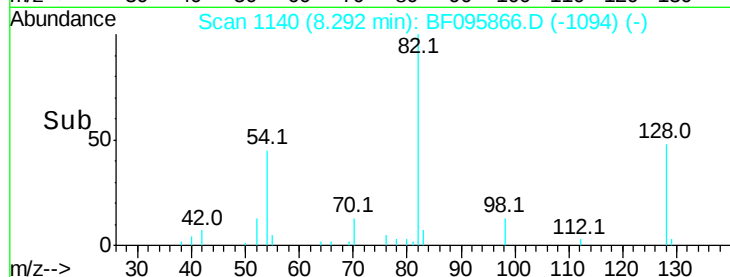
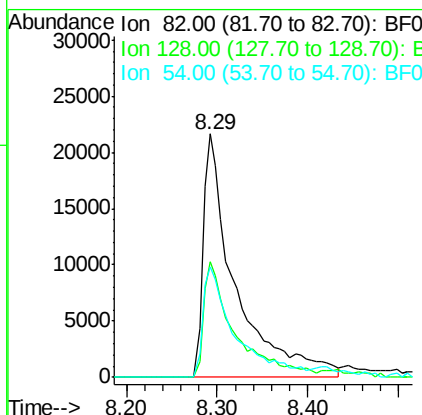
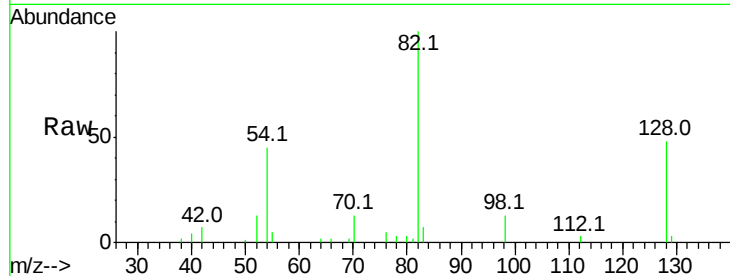
#23
 Nitrobenzene-d5
 Concen: 14.07 ng
 RT: 8.29 min Scan# 1140
 Delta R.T. -0.03 min
 Lab File: BF095866.D
 Acq: 11 Jun 2017 1:01

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.0	51.0
54	45.3	42.2	63.2

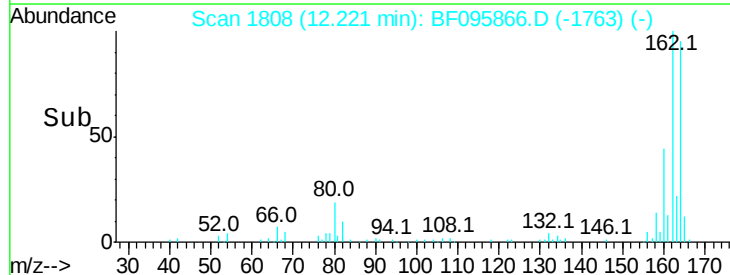
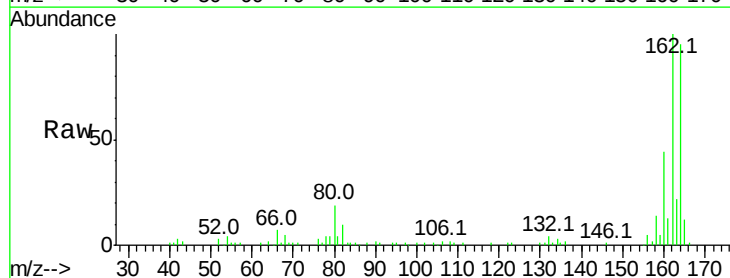
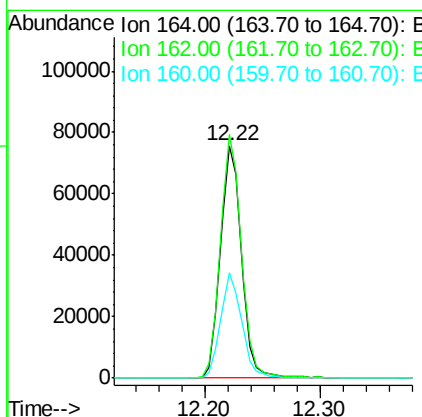
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.22 min Scan# 1808
 Delta R.T. -0.04 min
 Lab File: BF095866.D
 Acq: 11 Jun 2017 1:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	45.6	36.2	54.2





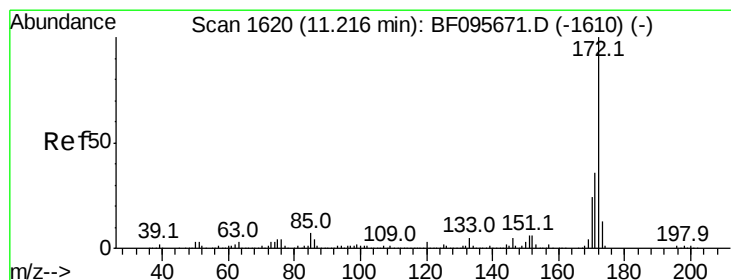
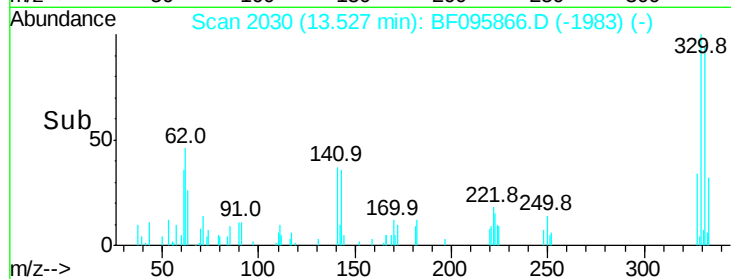
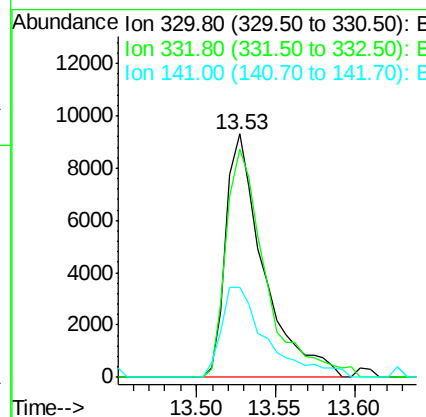
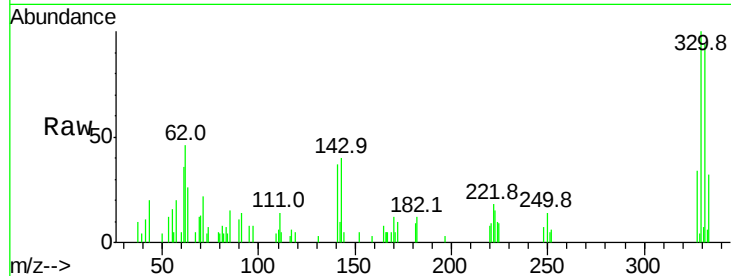
#41
 2,4,6-Tribromophenol
 Concen: 18.16 ng
 RT: 13.53 min Scan# 2030
 Delta R.T. -0.02 min
 Lab File: BF095866.D
 Acq: 11 Jun 2017 1:01

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.8	76.6	115.0	
141	44.8	31.4	47.2	

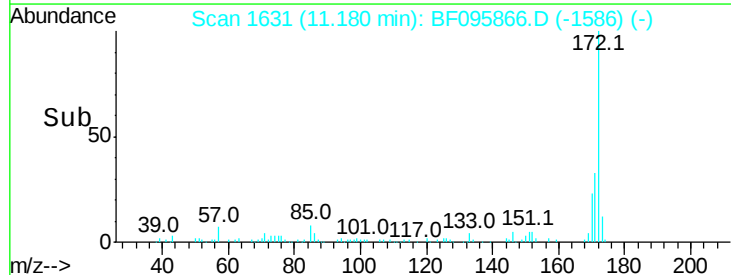
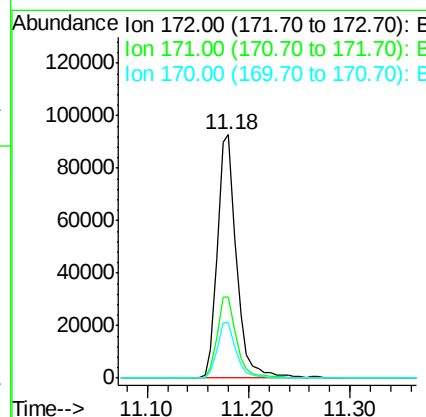
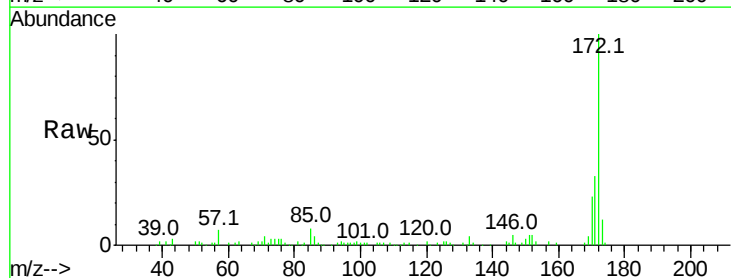
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#44
 2-Fluorobiphenyl
 Concen: 17.69 ng
 RT: 11.18 min Scan# 1631
 Delta R.T. -0.04 min
 Lab File: BF095866.D
 Acq: 11 Jun 2017 1:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.5	29.6	44.4	
170	23.0	19.8	29.8	





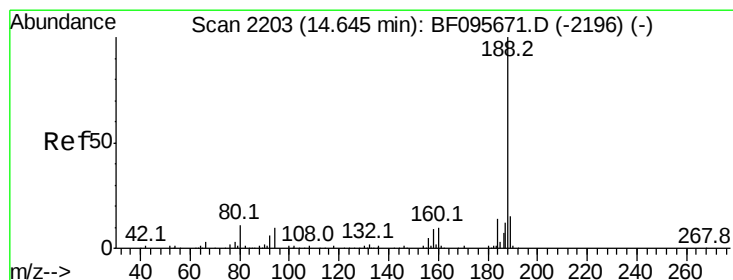
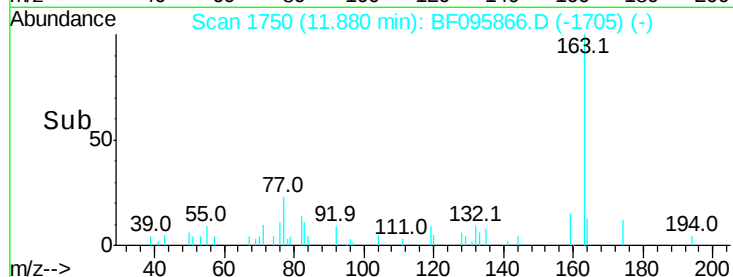
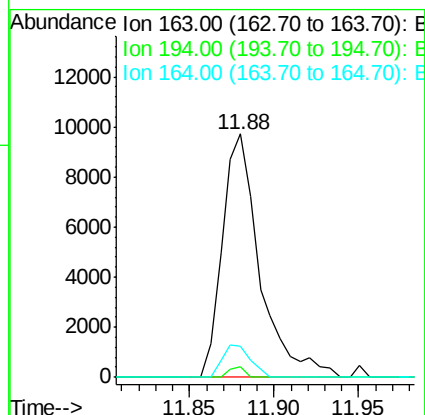
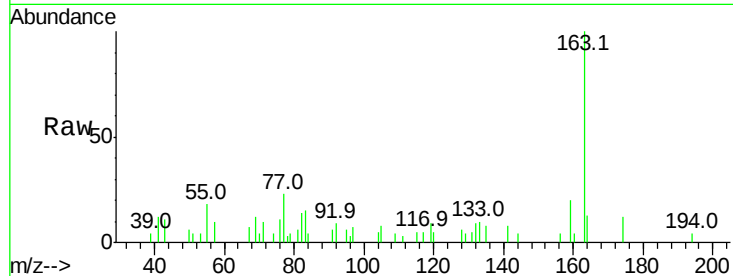
#49
Dimethylphthalate
Concen: 2.06 ng
RT: 11.88 min Scan# 1750
Delta R.T. -0.04 min
Lab File: BF095866.D
Acq: 11 Jun 2017 1:01

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-C

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.6	4.0#
164	12.6	8.4	12.6#

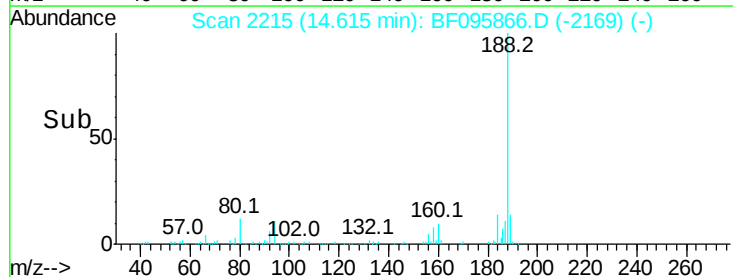
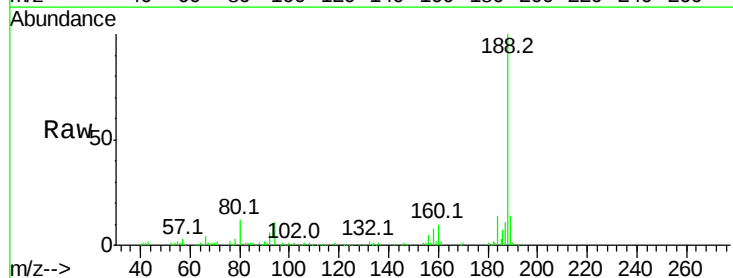
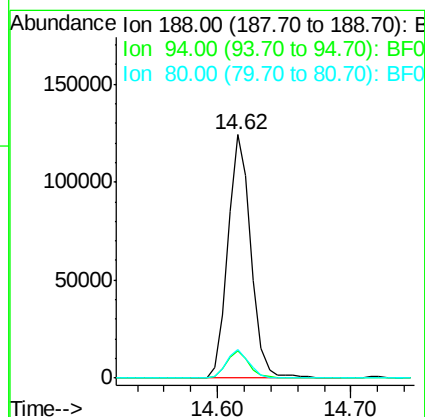
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095866.D
Acq: 11 Jun 2017 1:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	11.8	10.2	15.2





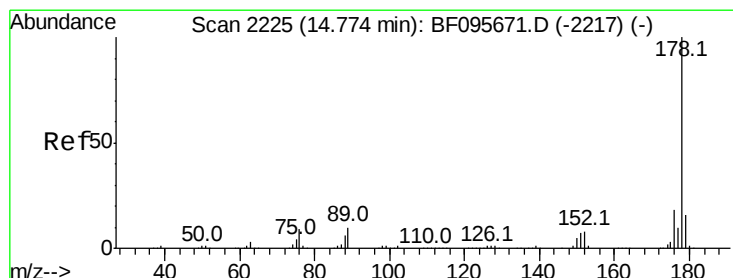
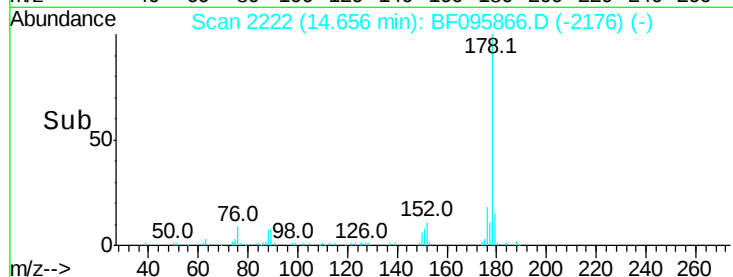
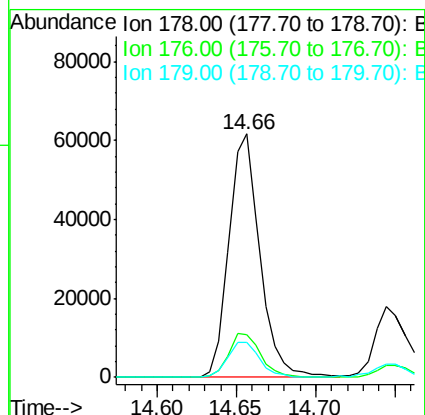
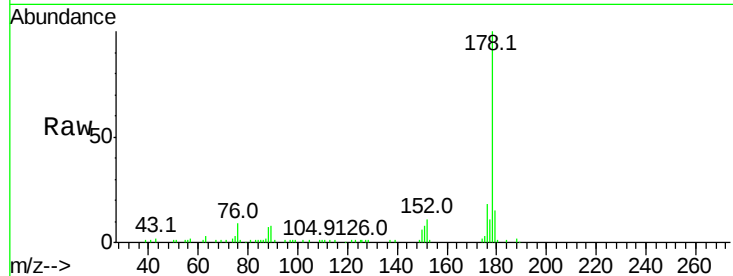
#70
Phenanthrene
Concen: 9.57 ng
RT: 14.66 min Scan# 2222
Delta R.T. -0.03 min
Lab File: BF095866.D
Acq: 11 Jun 2017 1:01

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	16.2	24.4
179	14.6	12.6	19.0

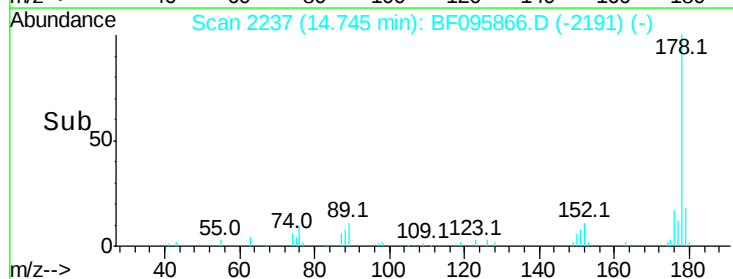
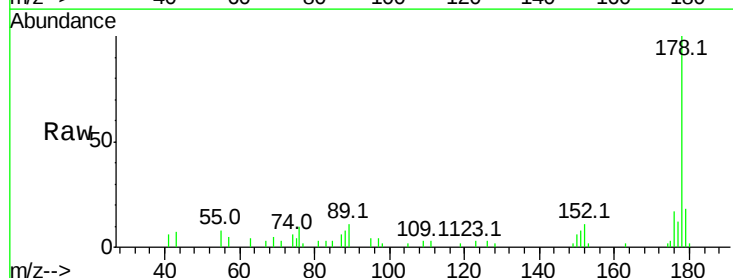
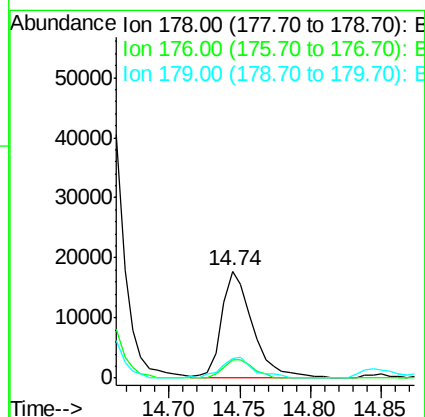
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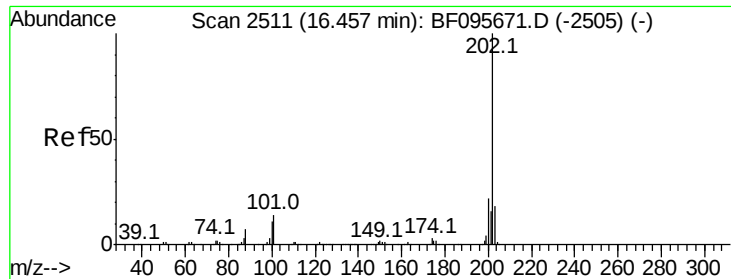
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#71
Anthracene
Concen: 3.01 ng
RT: 14.74 min Scan# 2237
Delta R.T. -0.03 min
Lab File: BF095866.D
Acq: 11 Jun 2017 1:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.8	23.8
179	18.5	12.7	19.1





#74

Fluoranthene

Concen: 13.07 ng

RT: 16.43 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095866.D

Acq: 11 Jun 2017 1:01

Instrument :

BNA_F

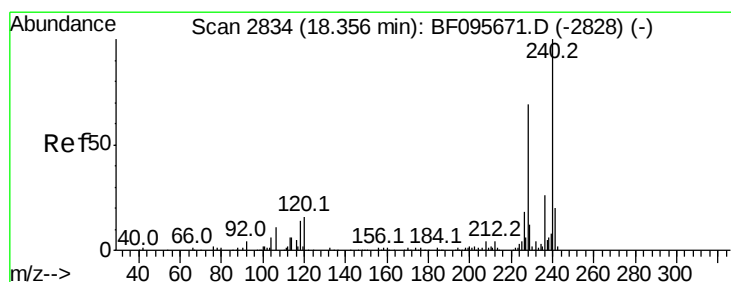
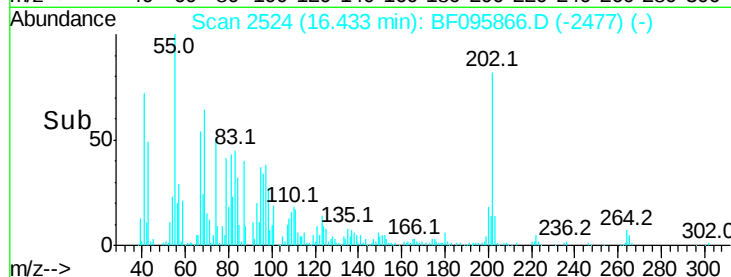
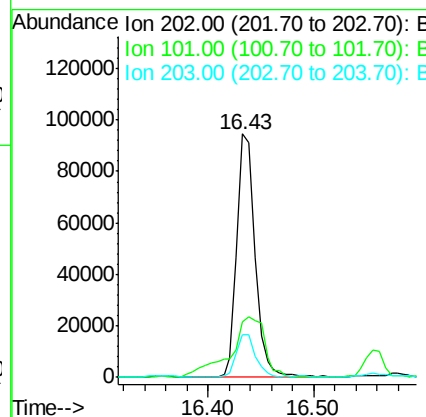
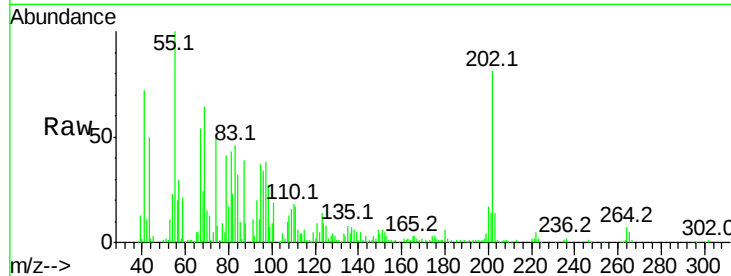
ClientSampleId :

EO-01-060917-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	23.0	0.0	33.2		
203	17.6	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

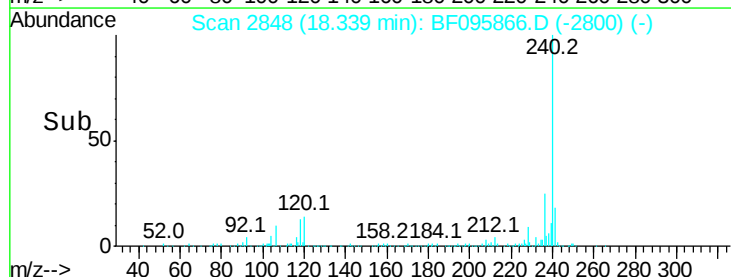
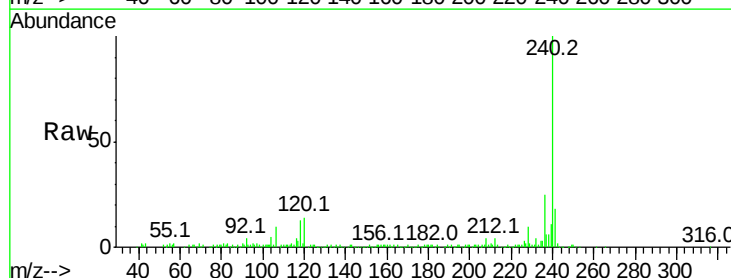
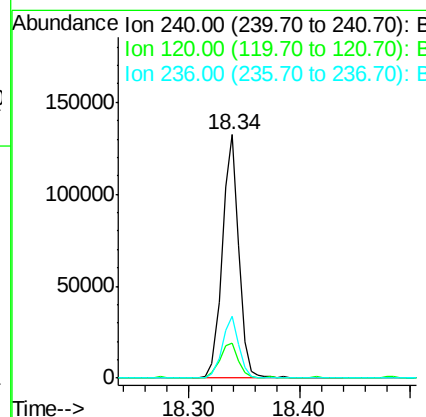
RT: 18.34 min Scan# 2848

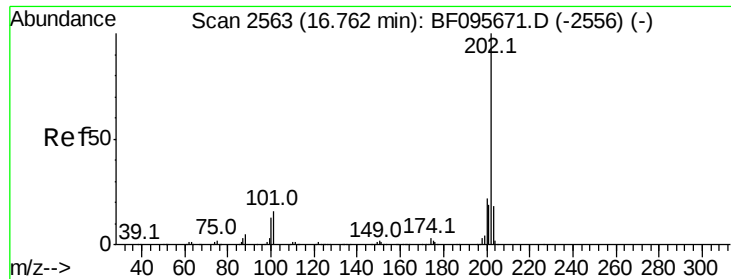
Delta R.T. -0.02 min

Lab File: BF095866.D

Acq: 11 Jun 2017 1:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	14.4	5.8	8.8#		
236	25.3	20.5	30.7		





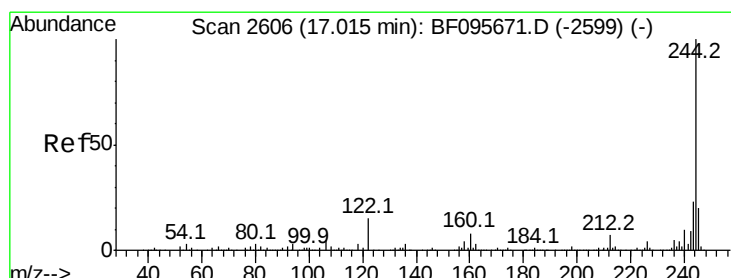
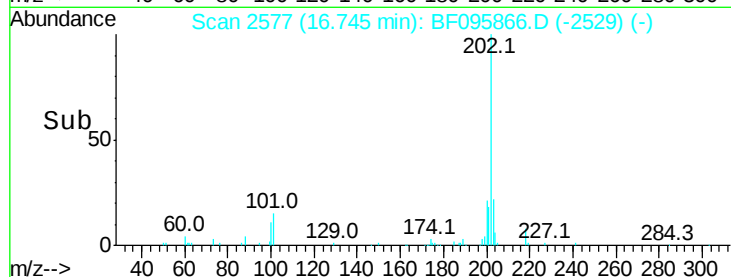
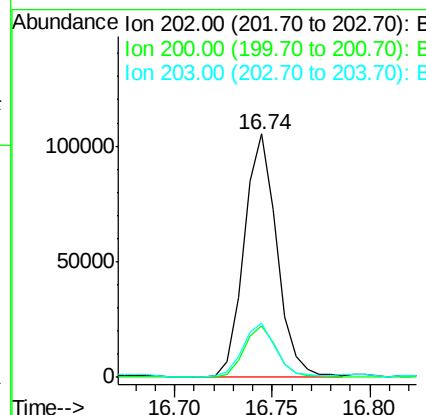
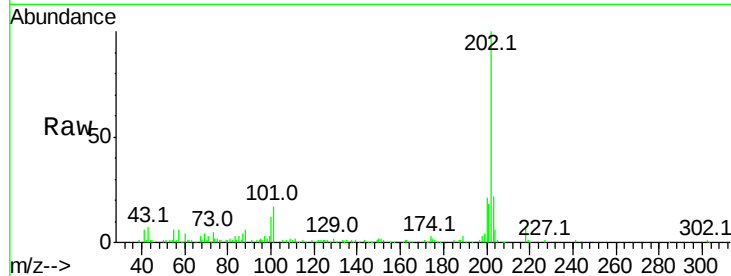
#77
Pvrene
Concen: 11.94 ng
RT: 16.74 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF095866.D
Acq: 11 Jun 2017 1:01

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	17.6	26.4
203	22.1	14.4	21.6

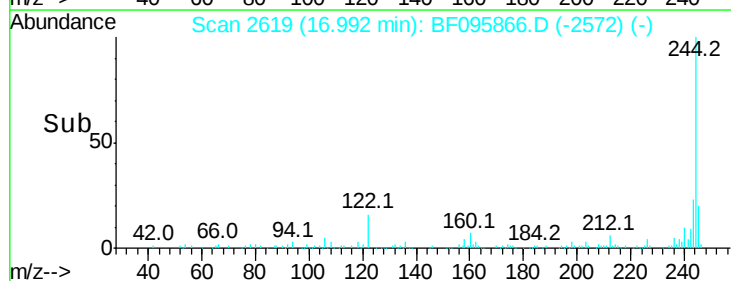
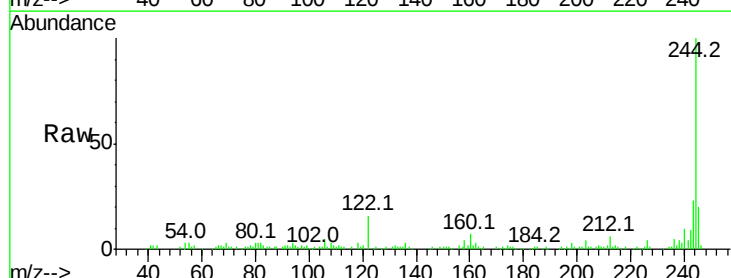
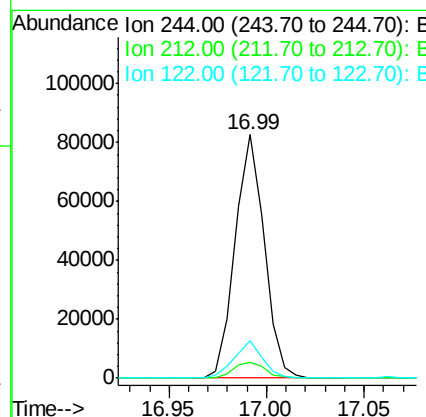
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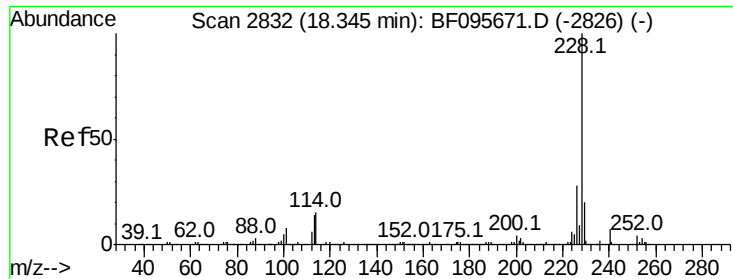
mohammad
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#78
Terphenyl-d14
Concen: 15.50 ng
RT: 16.99 min Scan# 2619
Delta R.T. -0.02 min
Lab File: BF095866.D
Acq: 11 Jun 2017 1:01

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	6.0	9.0
122	15.6	10.3	15.5





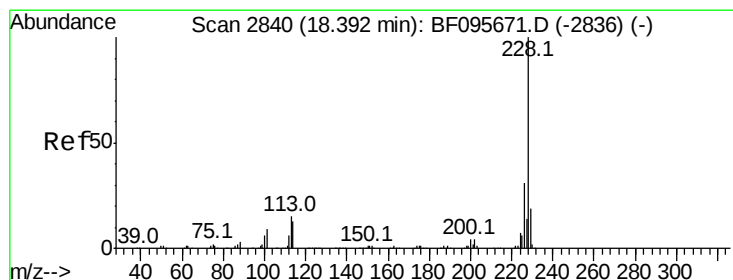
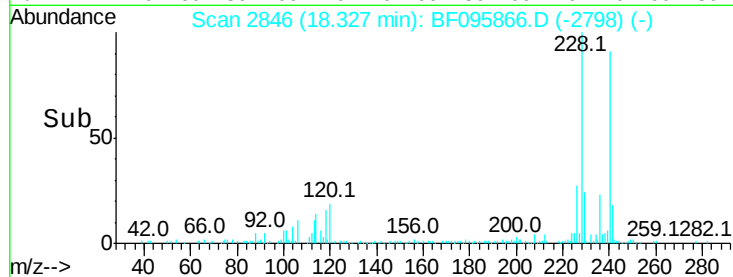
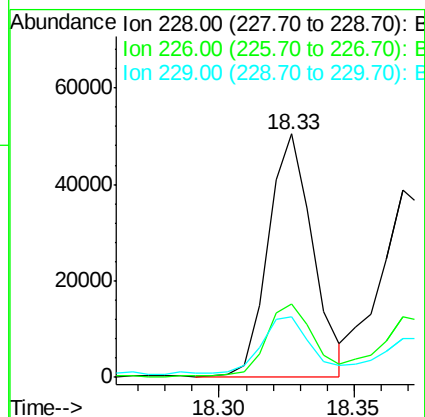
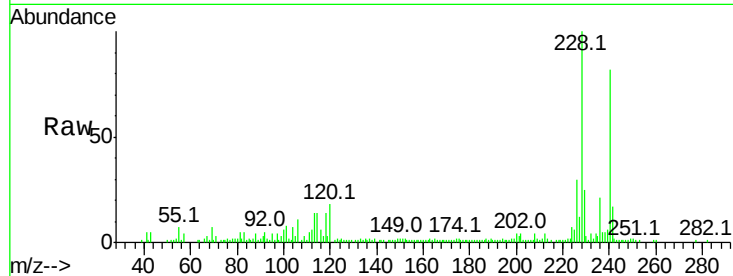
#80
Benzo(a)anthracene
Concen: 7.31 ng
RT: 18.33 min Scan# 2846
Delta R.T. -0.02 min
Lab File: BF095866.D
Acq: 11 Jun 2017 1:01

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	24.8	16.3	24.5

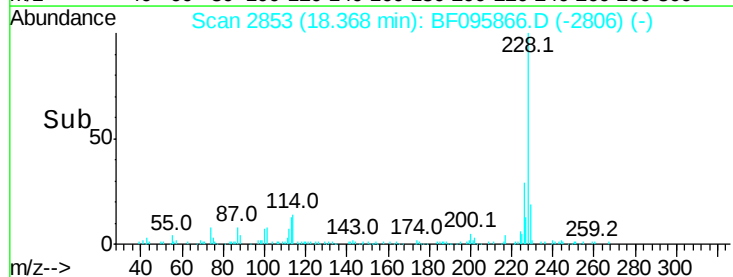
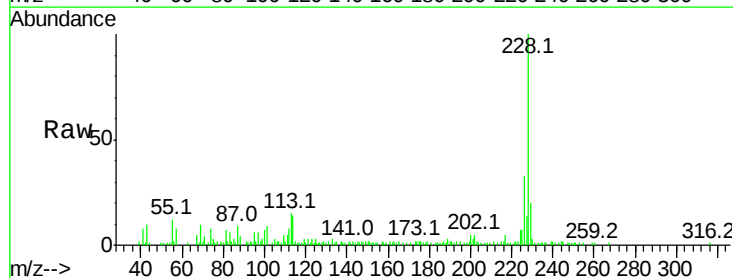
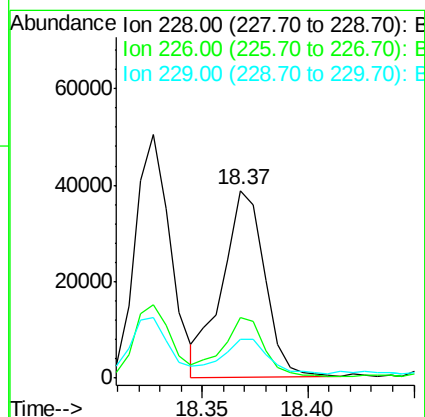
Manual Integrations
APPROVED

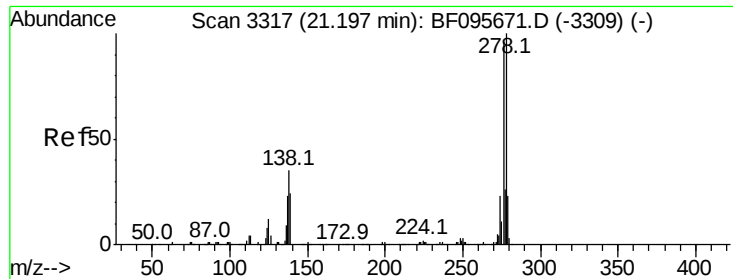
mohammad
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#82
Chrysene
Concen: 6.73 ng
RT: 18.37 min Scan# 2853
Delta R.T. -0.02 min
Lab File: BF095866.D
Acq: 11 Jun 2017 1:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.9	37.3
229	20.4	15.8	23.6





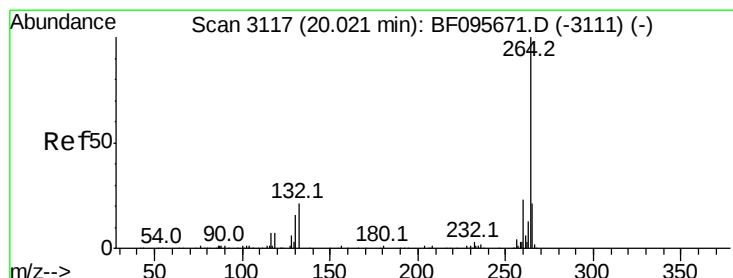
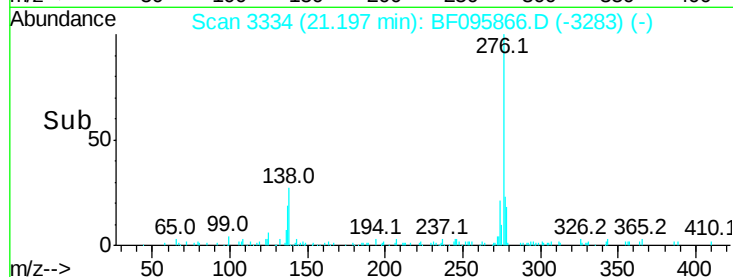
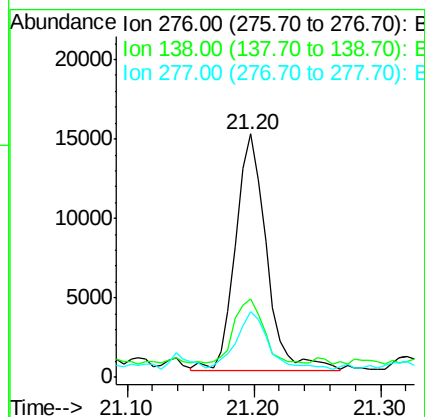
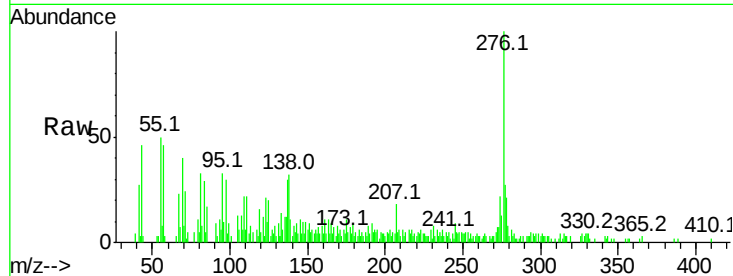
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.67 ng
RT: 21.20 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BF095866.D
Acq: 11 Jun 2017 1:01

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.6	27.8	41.6#
277	25.1	20.2	30.4

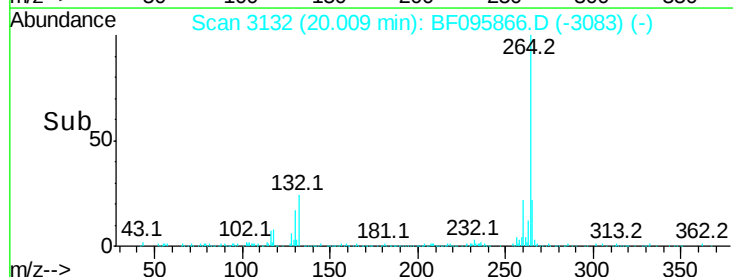
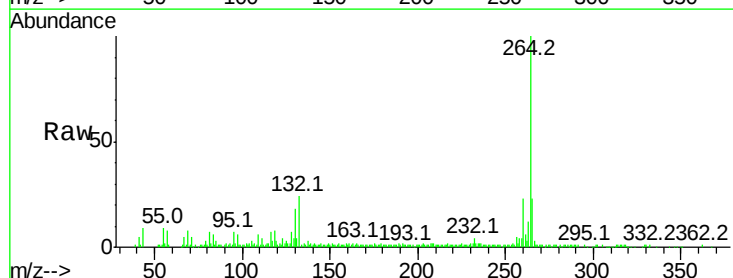
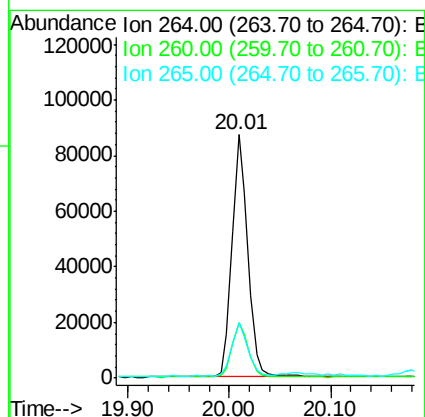
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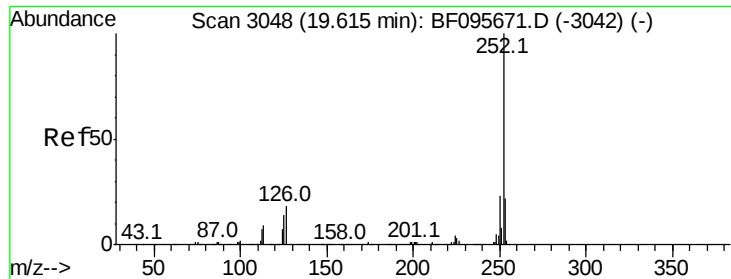
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095866.D
Acq: 11 Jun 2017 1:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	22.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 10.65 ng m

RT: 19.61 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BF095866.D

Acq: 11 Jun 2017 1:01

Instrument :

BNA_F

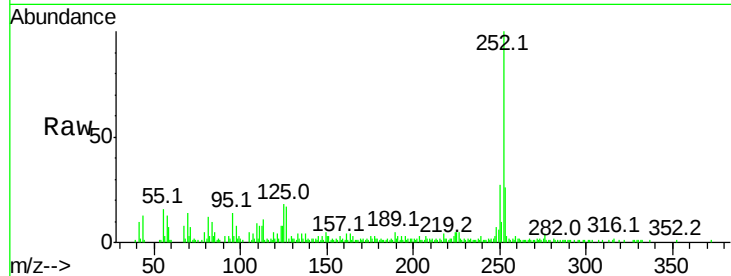
ClientSampleId :

EO-01-060917-C

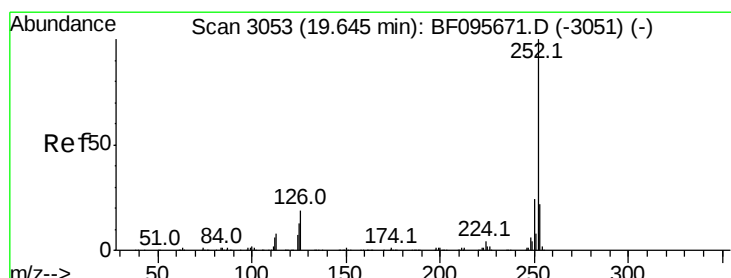
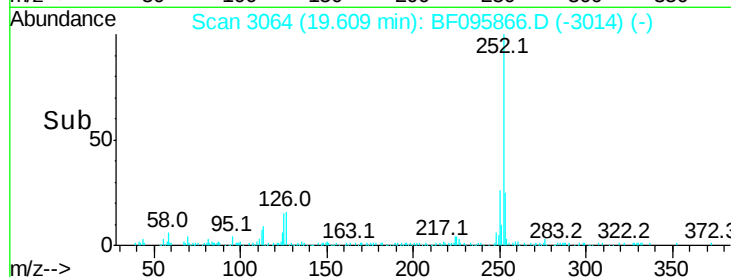
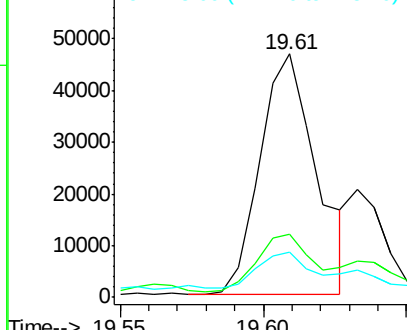
Tot Ion:	252	Resp:	63498
Ion Ratio	Lower	Upper	
252	100		
253	25.9	18.1	27.1
125	18.5	9.8	14.8#

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.15 ng m

RT: 19.63 min Scan# 3068

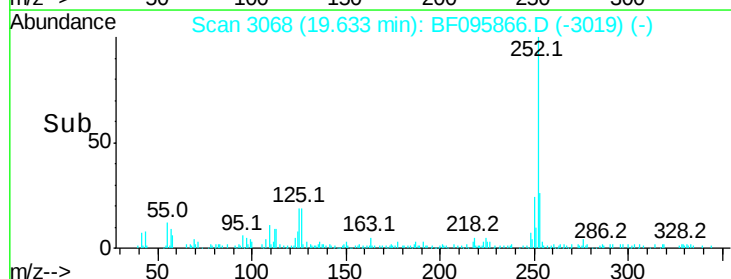
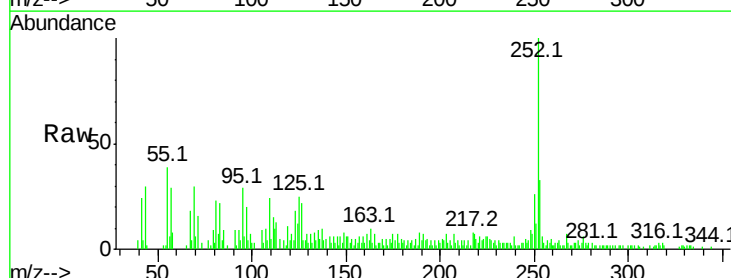
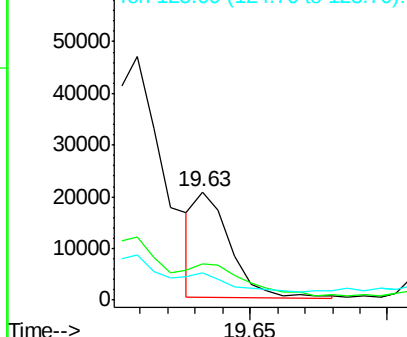
Delta R.T. -0.01 min

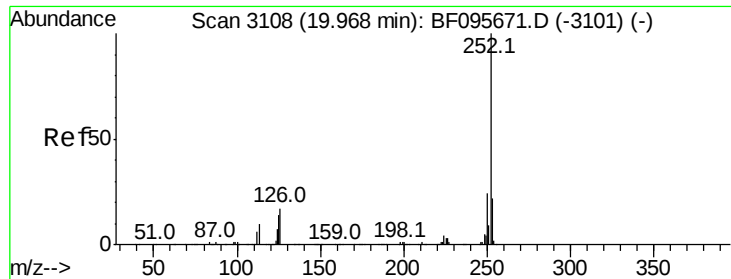
Lab File: BF095866.D

Acq: 11 Jun 2017 1:01

Tgt Ion:	252	Resp:	17921
Ion Ratio	Lower	Upper	
252	100		
253	33.0	18.4	27.6#
125	25.2	13.1	19.7#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





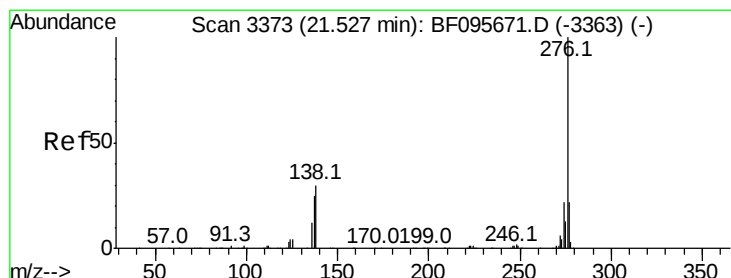
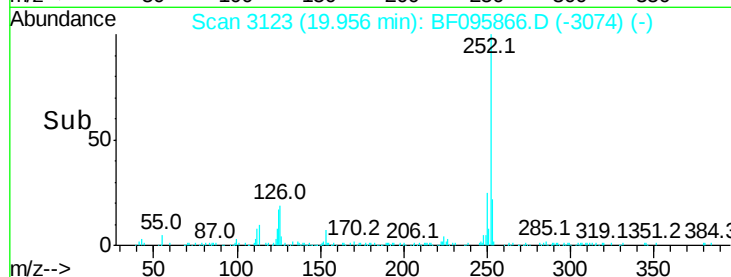
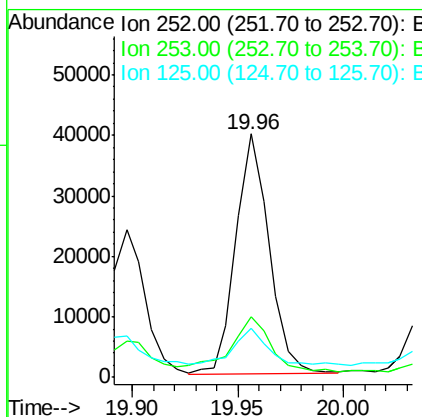
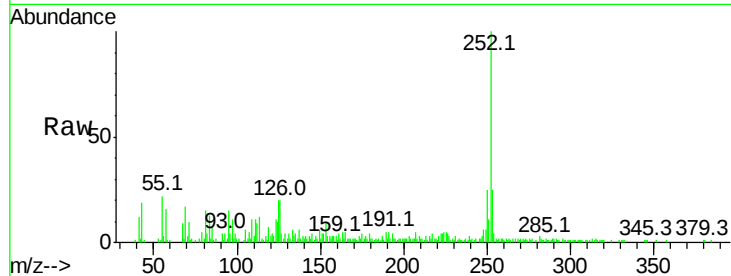
#89
Benzo(a)pyrene
Concen: 7.92 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095866.D
Acq: 11 Jun 2017 1:01

Instrument :
BNA_F
ClientSampled :
EO-01-060917-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	20.3	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.89 ng
RT: 21.53 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF095866.D
Acq: 11 Jun 2017 1:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.6	28.0
138	37.0	25.4	38.0

