

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
 Data File : BF095738.D
 Acq On : 7 Jun 2017 9:21
 Operator : SJ/MA
 Sample : I3465-02 50X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S8-BASE

Manual Integrations
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Quant Time: Jun 07 11:44:14 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	7.38	152	61253	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	243439	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	93983	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	142576	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	127075	20.00	ng	-0.01
86) Perylene-d12	20.01	264	91341	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	3641m	0.95	ng	0.18
7) Phenol-d6	7.05	99	6180m	1.34	ng	0.09
23) Nitrobenzene-d5	8.38	82	3754	0.96	ng	0.06
41) 2,4,6-Tribromophenol	13.56	330	582	0.70	ng	0.01
44) 2-Fluorobiphenyl	11.20	172	8464	1.25	ng	-0.02
78) Terphenyl-d14	17.00	244	6293	1.23	ng	-0.02
Target Compounds						
70) Phenanthrene	14.67	178	43168	5.247	ng	95
74) Fluoranthene	16.44	202	76377	9.380	ng	98
77) Pyrene	16.75	202	72198	7.614	ng	# 95
80) Benzo(a)anthracene	18.33	228	32463	4.394	ng	97
82) Chrysene	18.38	228	31472	4.263	ng	96
85) Indeno(1,2,3-cd)pyrene	21.20	276	24409	3.864	ng	97
87) Benzo(b)fluoranthene	19.61	252	43381m	7.585	ng	
88) Benzo(k)fluoranthene	19.64	252	15927m	2.913	ng	
89) Benzo(a)pyrene	19.96	252	35936	6.836	ng	95
91) Benzo(g,h,i)perylene	21.53	276	27505	6.050	ng	97

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

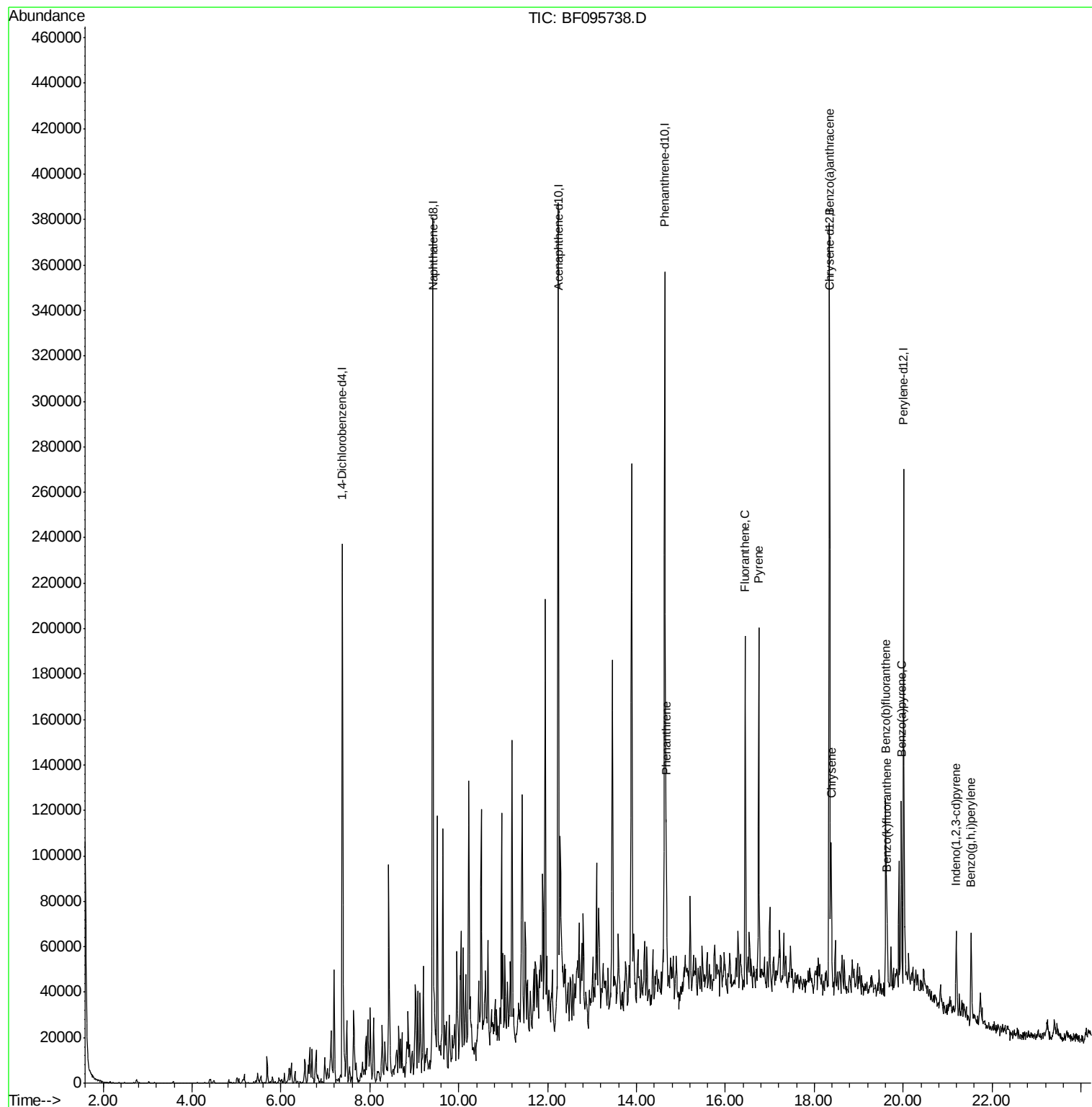
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095738.D
Acq On : 7 Jun 2017 9:21
Operator : SJ/MA
Sample : I3465-02 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

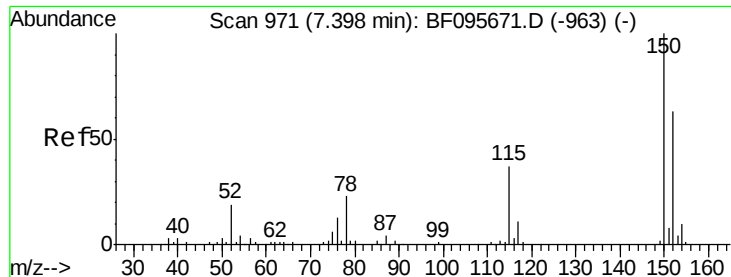
Instrument :
BNA_F
ClientSampleId :
E2-S8-BASE

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Quant Time: Jun 07 11:44:14 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

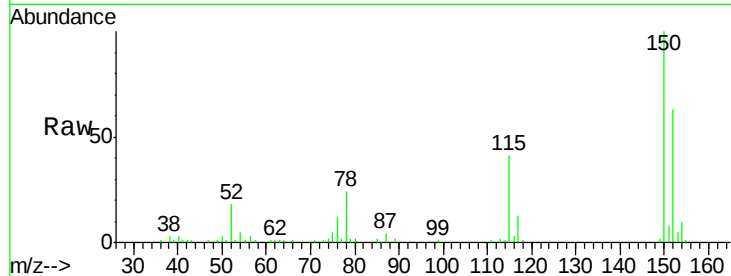
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Instrument :
BNA_F
ClientSampleId :
E2-S8-BASE

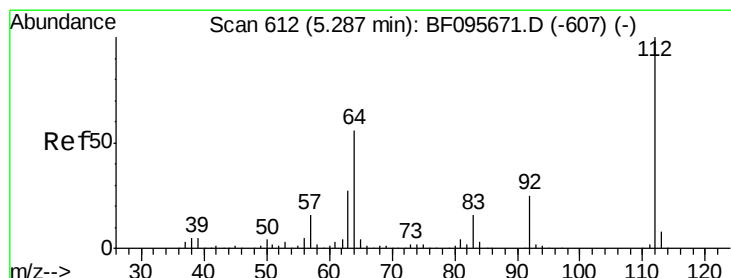
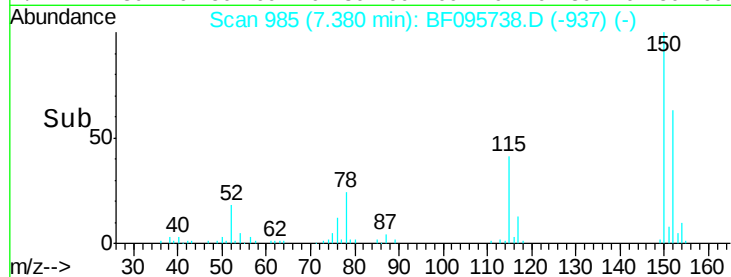
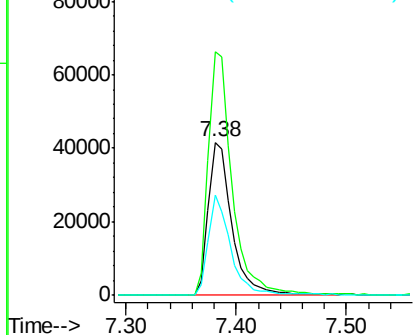
Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.2	189.2
115	65.4	52.2	78.2

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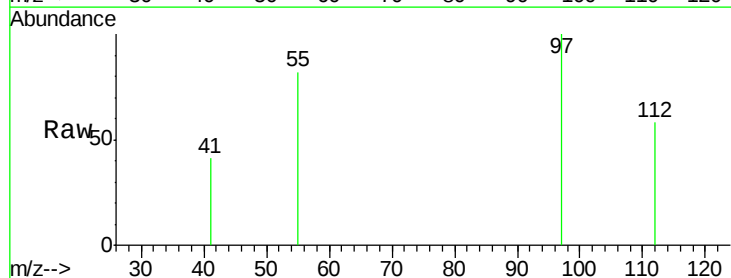
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



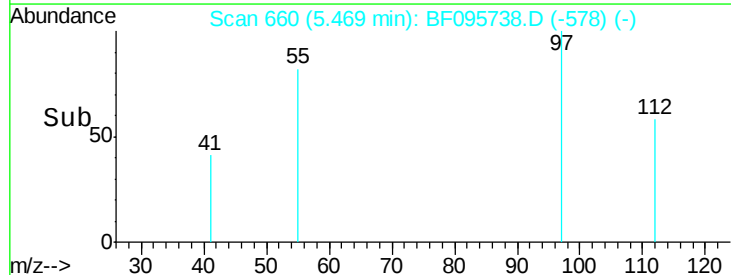
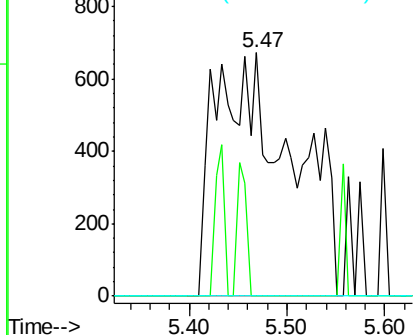
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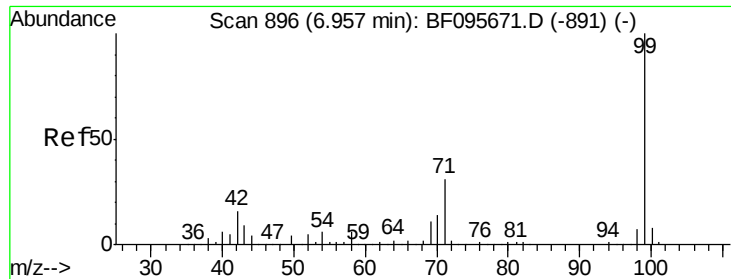
2-Fluorophenol
Concen: 0.947 ng m
RT: 5.47 min Scan# 660
Delta R.T. 0.18 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	46.0	69.0#
63	0.0	23.4	35.0#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

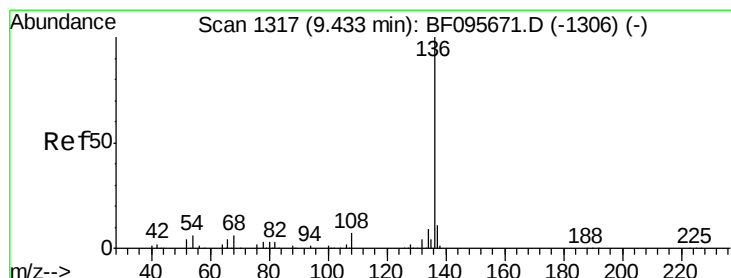
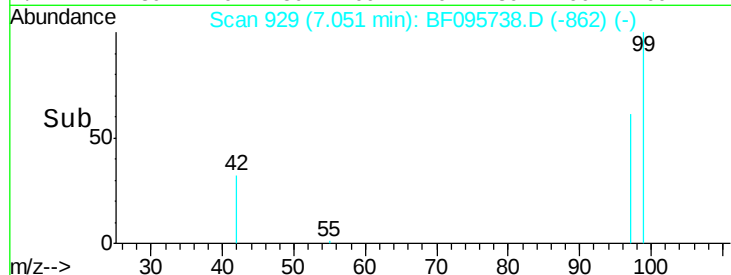
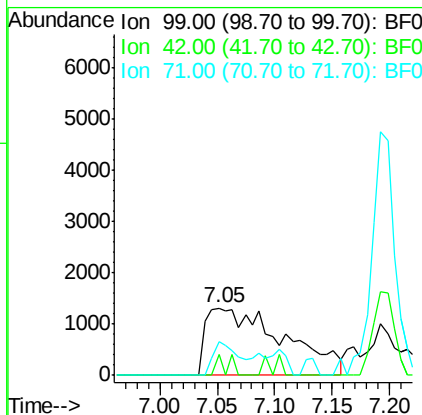
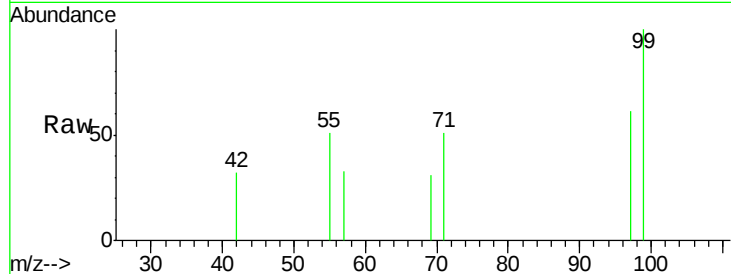
Concen: 1.343 ng m
RT: 7.05 min Scan# 929
Delta R.T. 0.09 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Instrument :
BNA_F
ClientSampleId :
E2-S8-BASE

Tgt Ion	Ratio	Lower	Upper
99	100		
42	31.8	13.5	20.3#
71	50.7	24.5	36.7#

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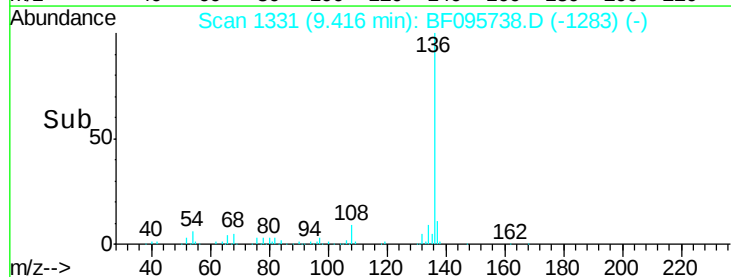
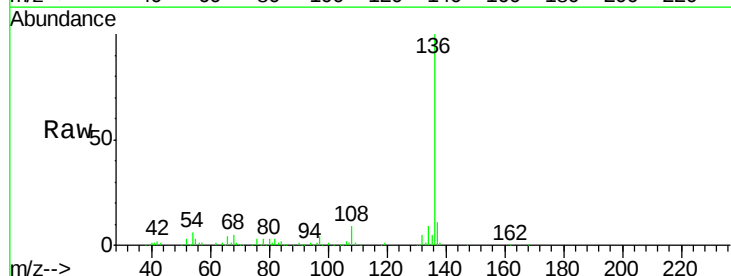
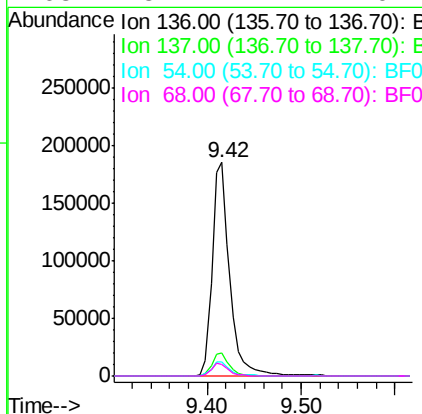


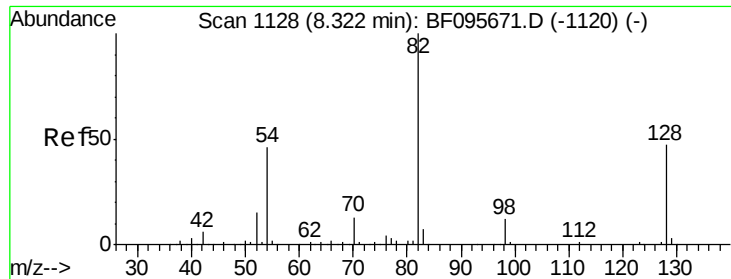
#21

Naphthalene-d8

Concen: 20.000 ng
RT: 9.42 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	6.4	4.9	7.3
68	5.2	4.1	6.1





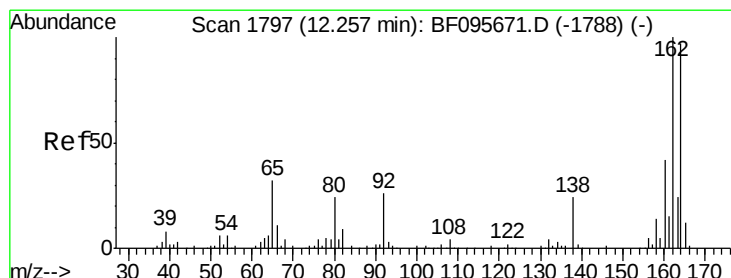
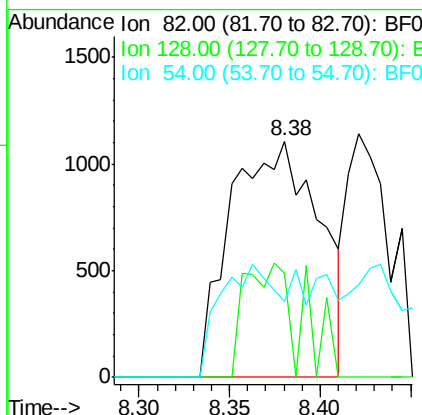
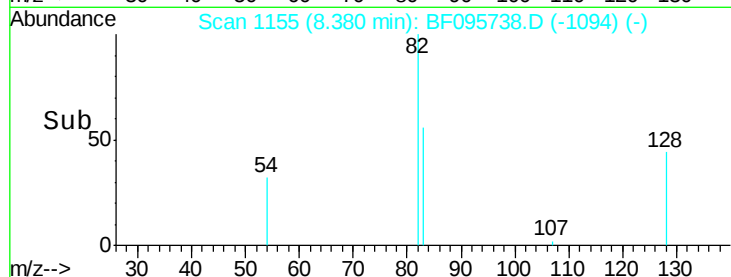
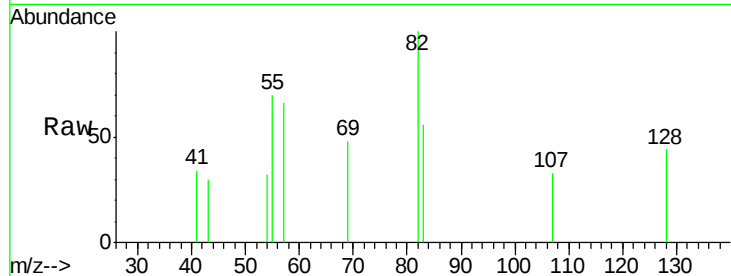
#23
 Nitrobenzene-d5
 Concen: 0.958 ng
 RT: 8.38 min Scan# 1155
 Delta R.T. 0.06 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

Instrument :
 BNA_F
 ClientSampleId :
 E2-S8-BASE

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.0	51.0
54	32.1	42.2	63.2#

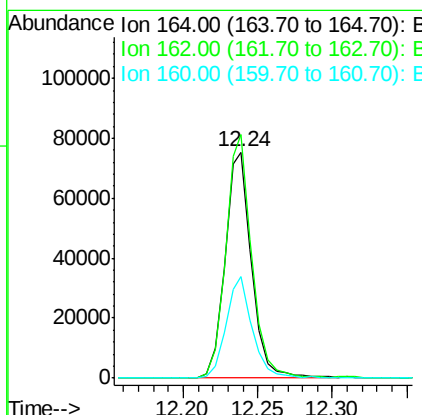
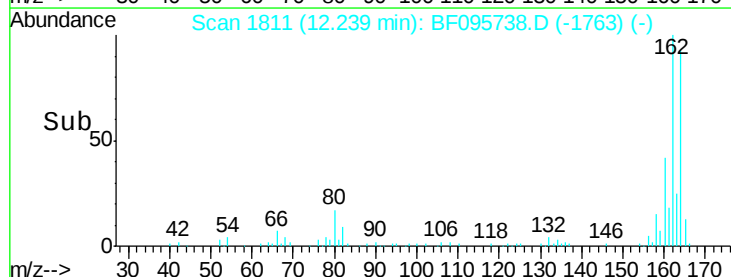
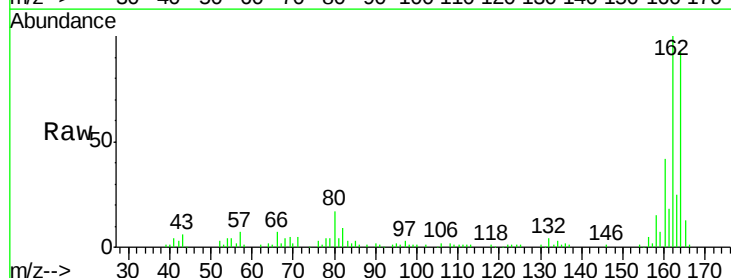
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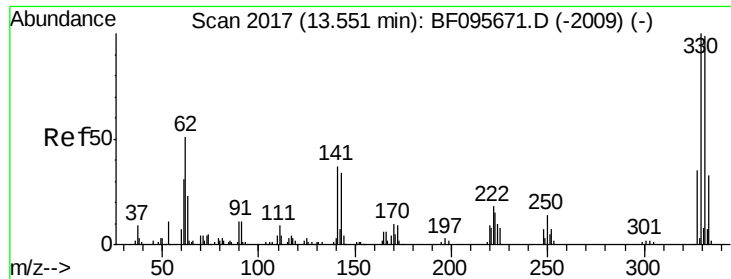
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 12.24 min Scan# 1811
 Delta R.T. -0.02 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.6	82.6	123.8
160	44.9	36.2	54.2





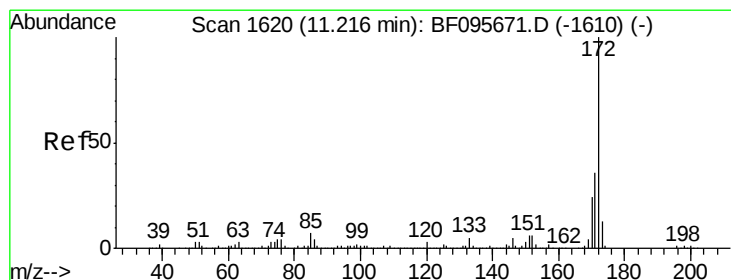
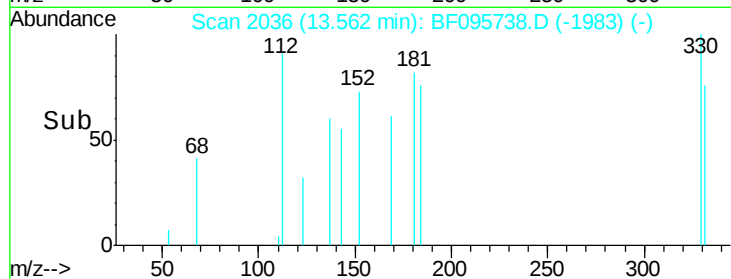
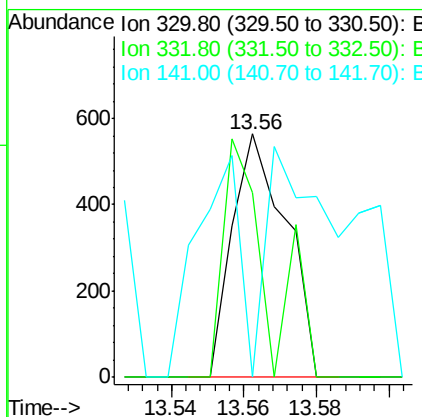
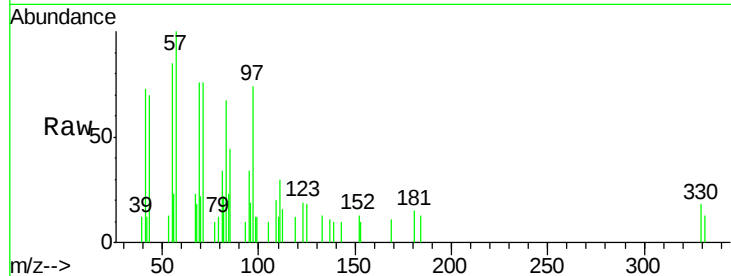
#41
 2,4,6-Tribromophenol
 Concen: 0.700 ng
 RT: 13.56 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

Instrument :
 BNA_F
 ClientSampleId :
 E2-S8-BASE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.6	115.0#
141	150.0	31.4	47.2#

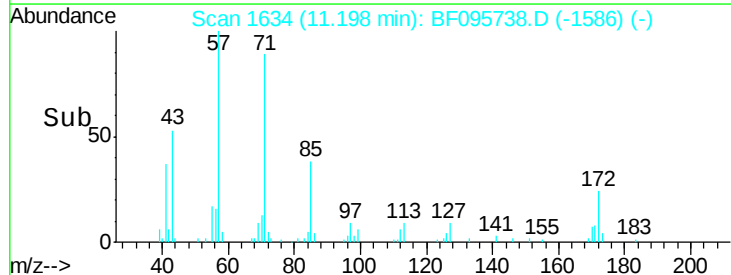
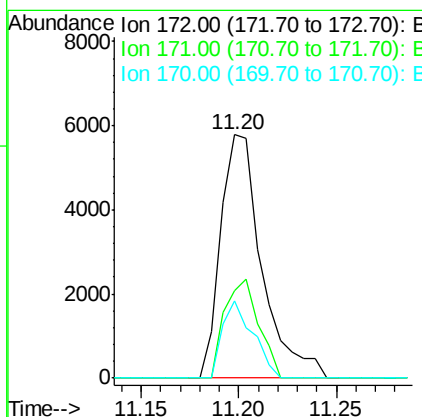
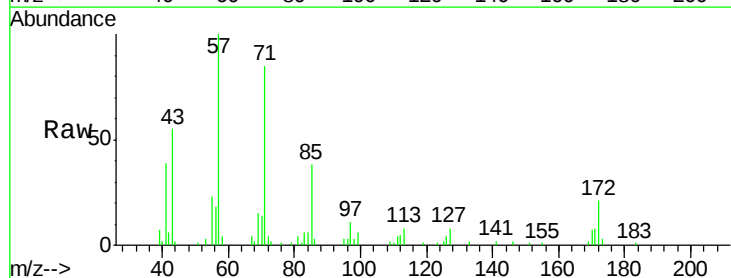
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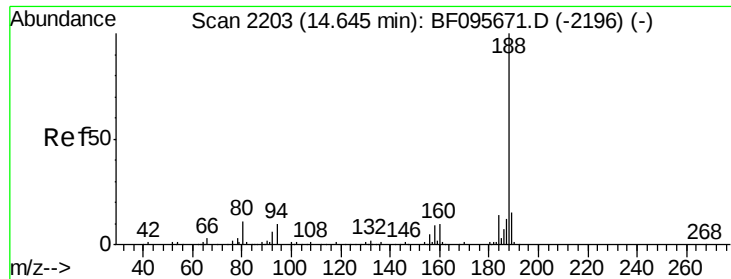
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#44
 2-Fluorobiphenyl
 Concen: 1.253 ng
 RT: 11.20 min Scan# 1634
 Delta R.T. -0.02 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	31.6	19.8	29.8#





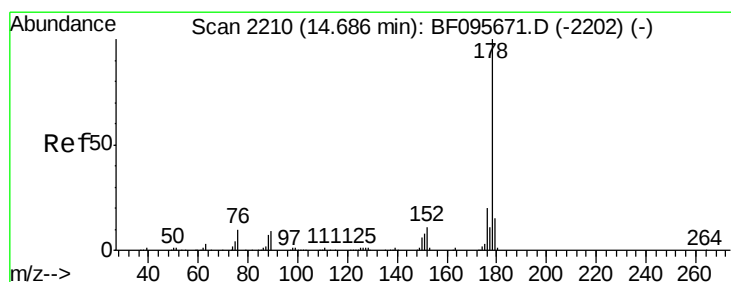
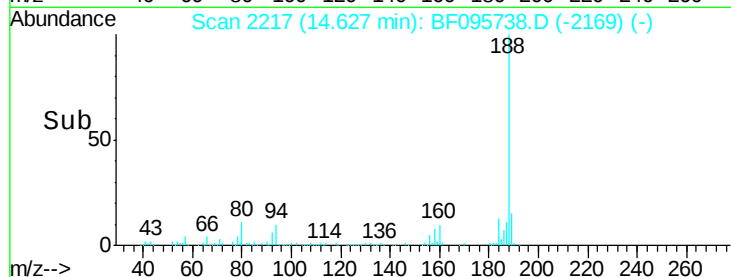
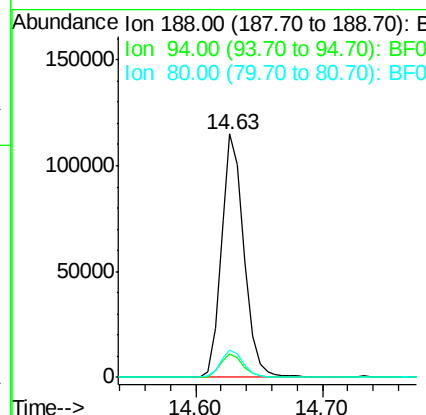
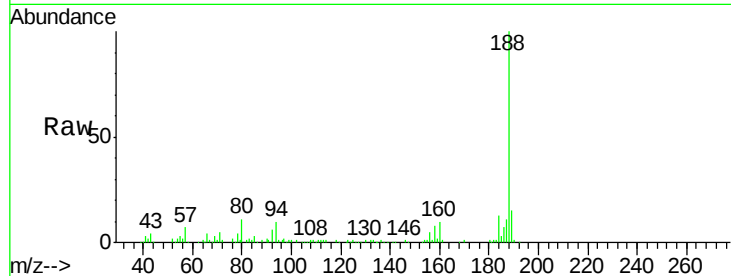
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Instrument :
BNA_F
ClientSampleId :
E2-S8-BASE

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	9.4	14.2
80	11.1	10.2	15.2

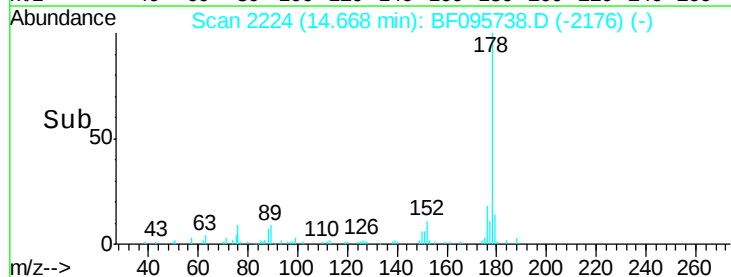
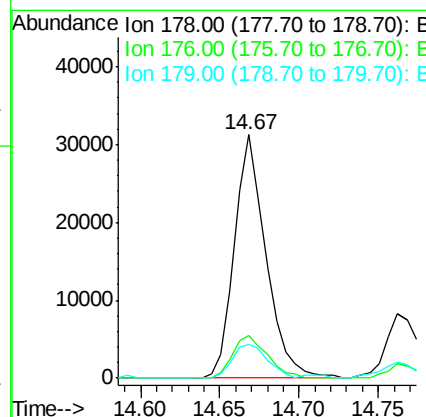
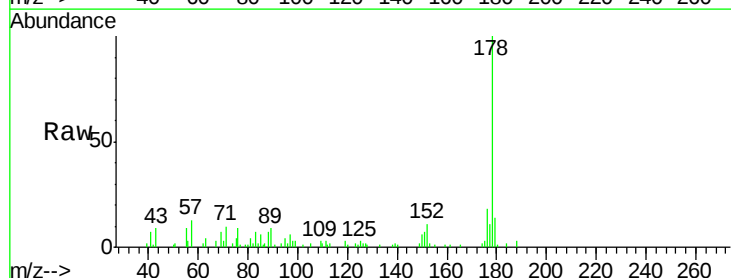
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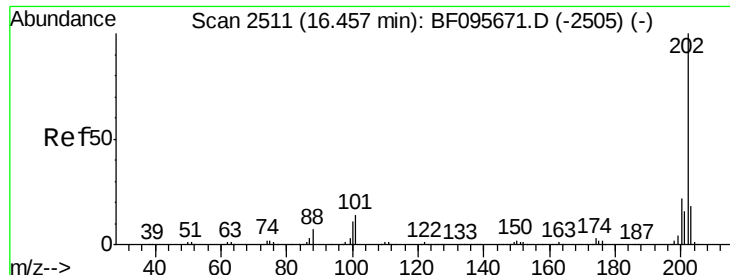
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#70
Phenanthrene
Concen: 5.247 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	17.6	16.2	24.4
179	13.8	12.6	19.0





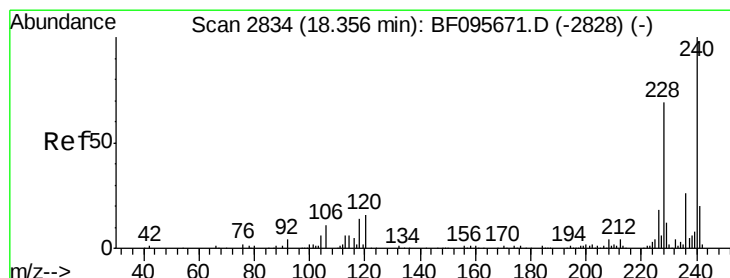
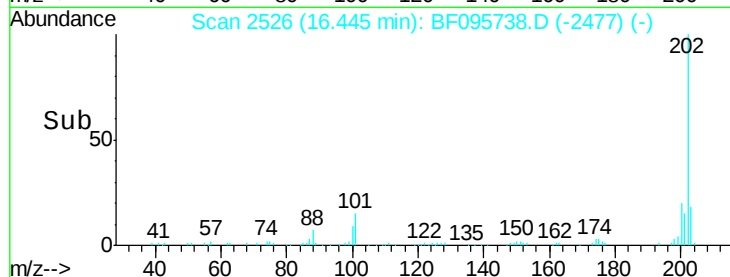
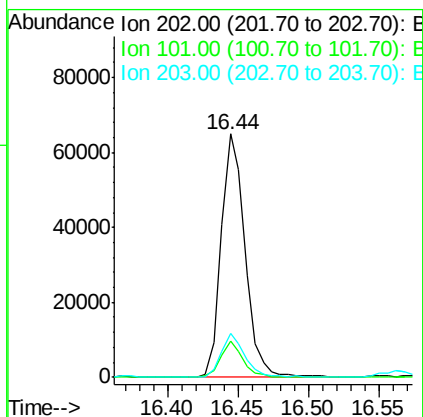
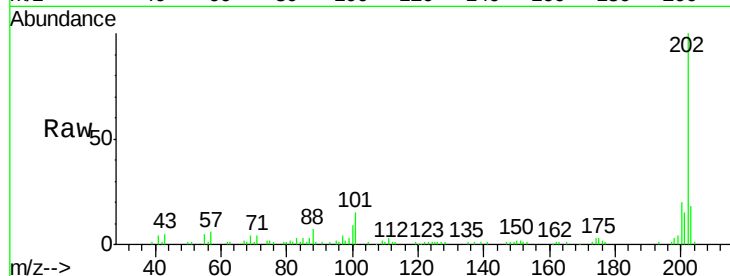
#74
Fluoranthene
 Concen: 9.380 ng
 RT: 16.44 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

Instrument :
 BNA_F
 ClientSampleId :
 E2-S8-BASE

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.8	0.0	33.2
203	17.8	0.0	38.1

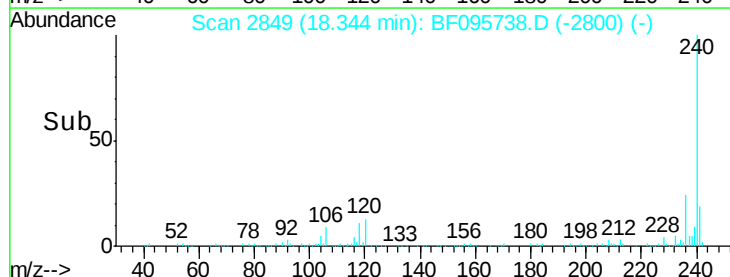
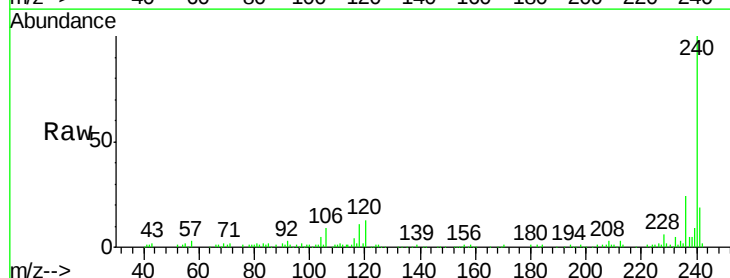
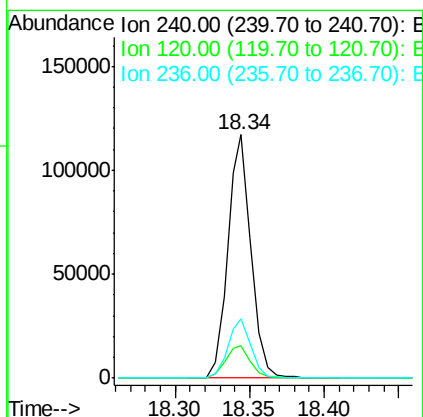
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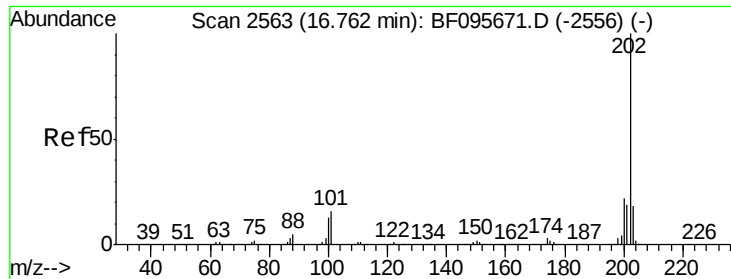
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#75
Chrysene-d12
 Concen: 20.000 ng
 RT: 18.34 min Scan# 2849
 Delta R.T. -0.01 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.3	5.8	8.8#
236	24.1	20.5	30.7





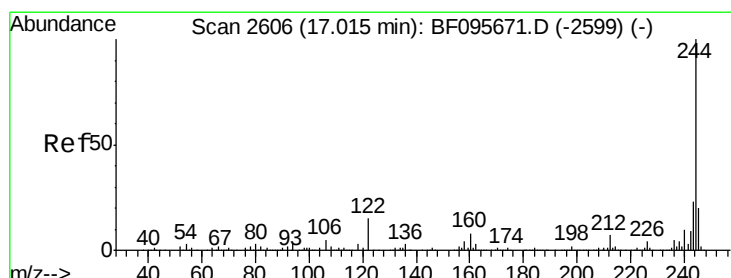
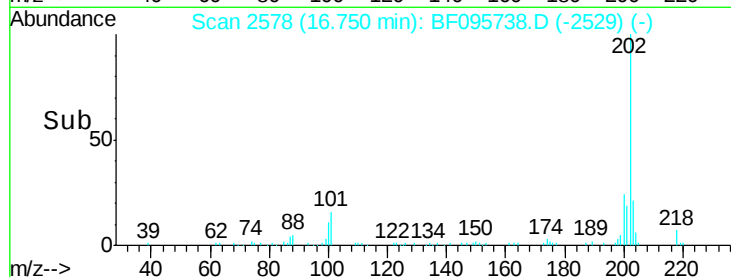
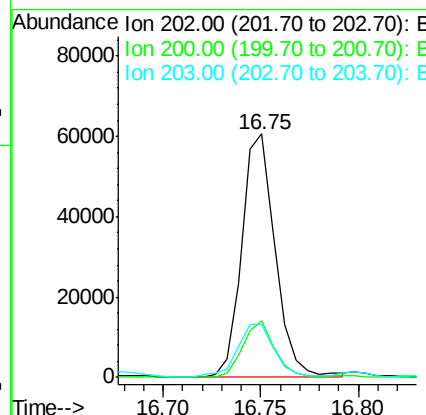
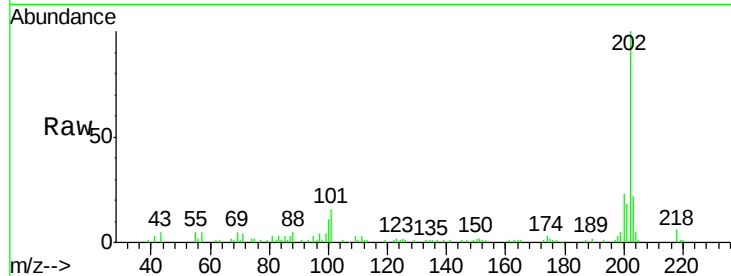
#77
Pyrene
Concen: 7.614 ng
RT: 16.75 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Instrument :
BNA_F
ClientSampleId :
E2-S8-BASE

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	23.3	17.6	26.4
203	21.6	14.4	21.6#

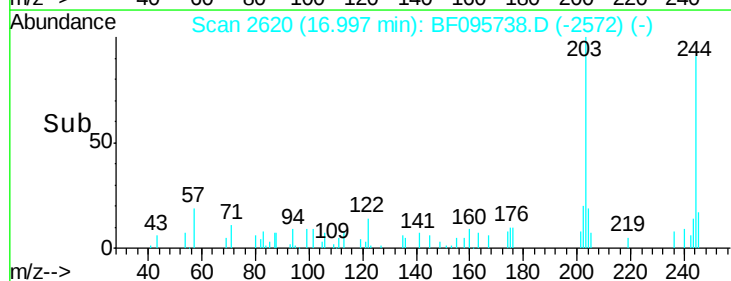
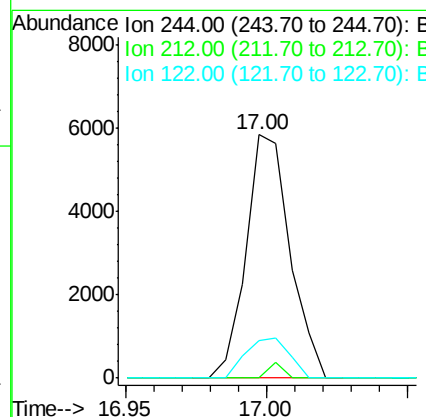
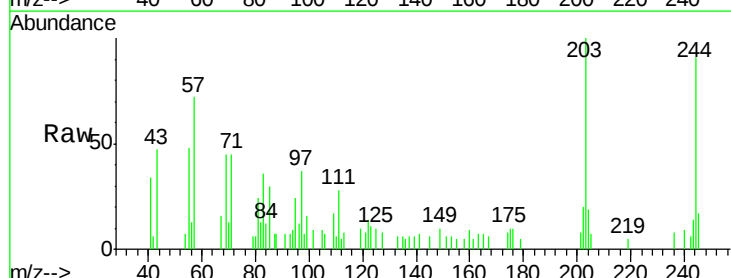
Manual Integrations
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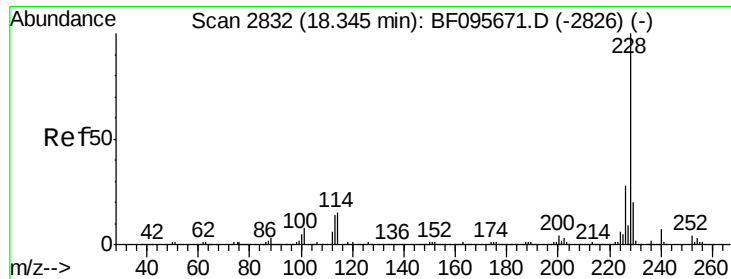
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#78
Terphenyl-d14
Concen: 1.229 ng
RT: 17.00 min Scan# 2620
Delta R.T. -0.02 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	0.0	6.0	9.0#
122	15.3	10.3	15.5





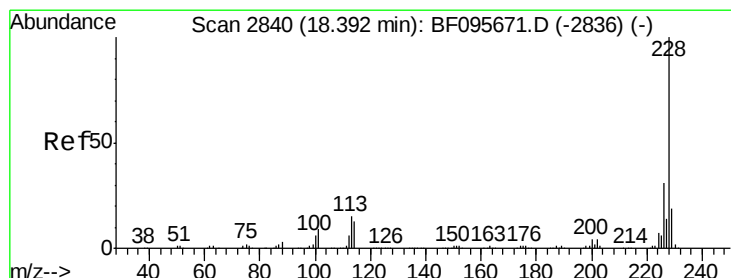
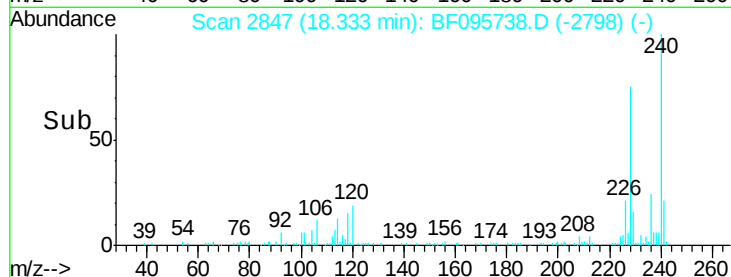
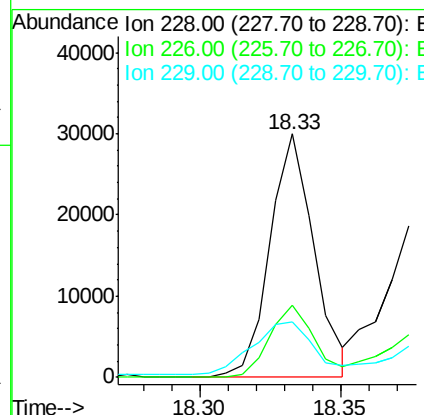
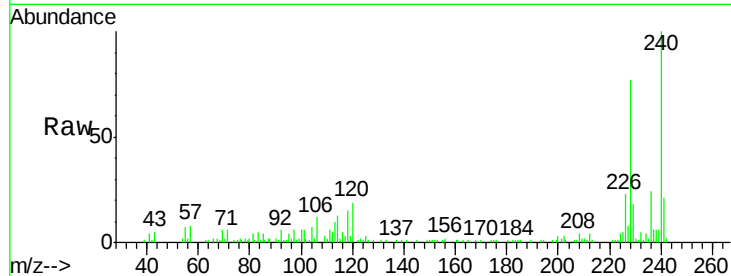
#80
Benzo(a)anthracene
Concen: 4.394 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Instrument :
BNA_F
ClientSampleId :
E2-S8-BASE

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	32463		
226	29.4	22.6	33.8	
229	22.7	16.3	24.5	

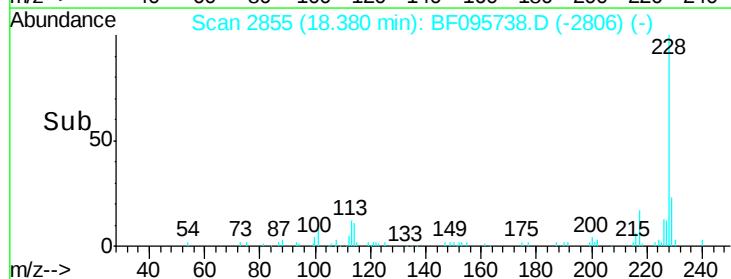
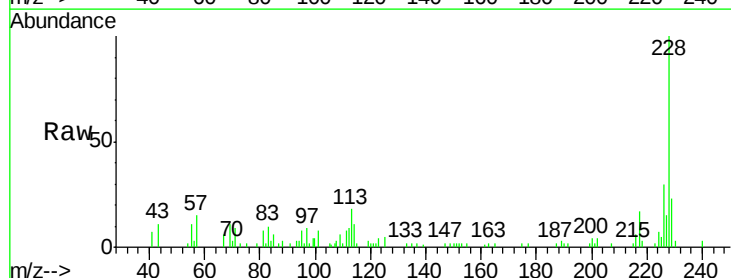
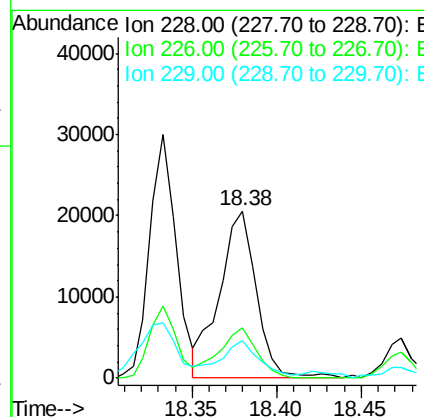
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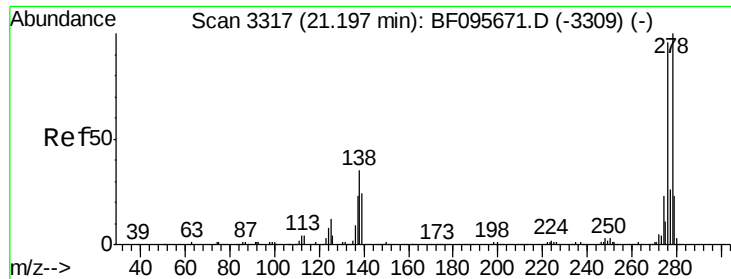
mohammad
6/7/2017 2:19:27 PM



#82
Chrysene
Concen: 4.263 ng
RT: 18.38 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	31472		
226	30.0	24.9	37.3	
229	22.7	15.8	23.6	





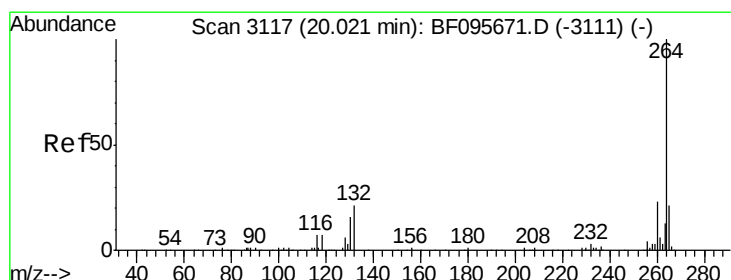
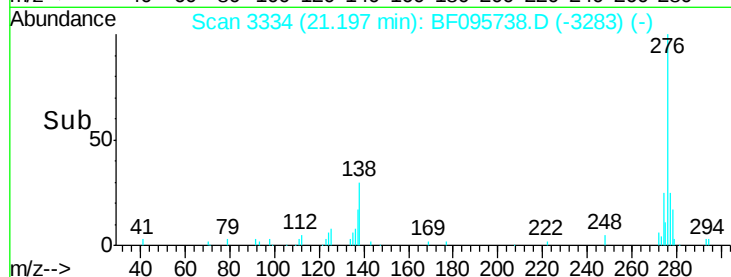
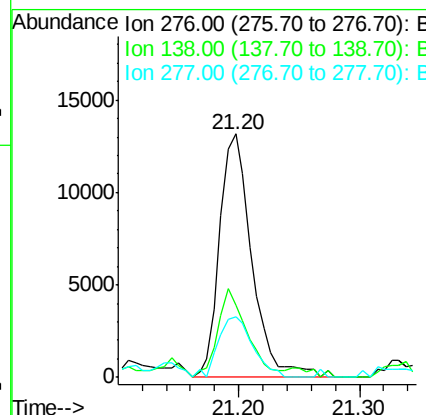
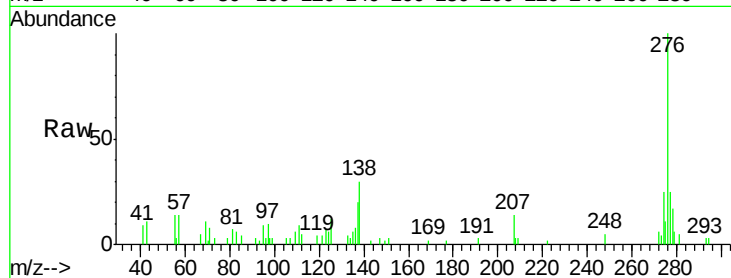
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.864 ng
RT: 21.20 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Instrument :
BNA_F
ClientSampleId :
E2-S8-BASE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.1	27.8	41.6
277	26.4	20.2	30.4

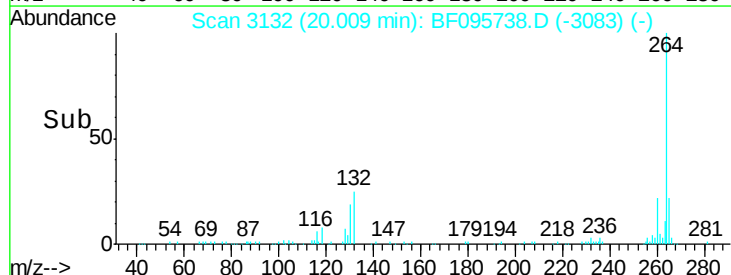
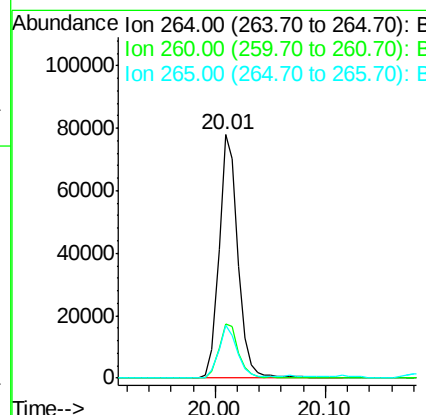
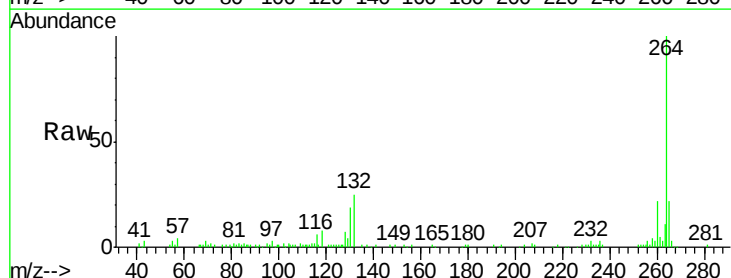
Manual Integrations
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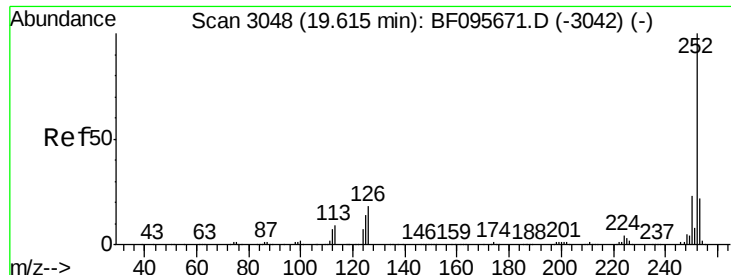
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.5	29.3
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.585 ng m

RT: 19.61 min Scan# 3065

Delta R.T. -0.00 min

Lab File: BF095738.D

Acq: 7 Jun 2017 9:21

Instrument :

BNA_F

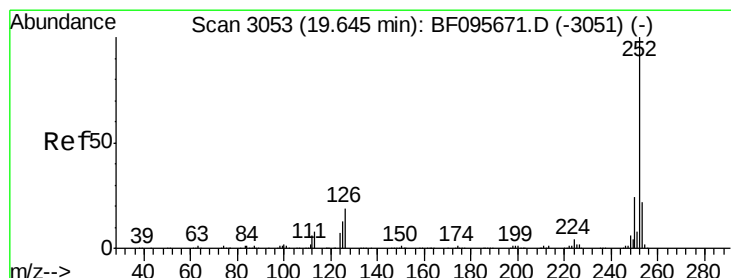
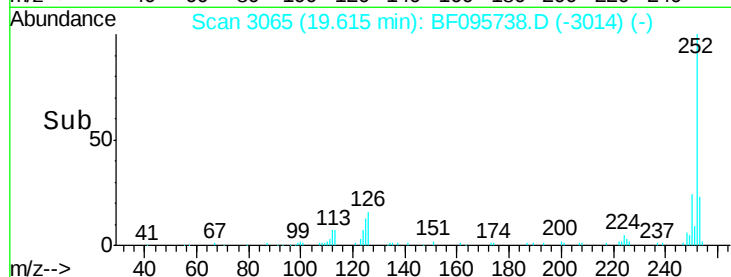
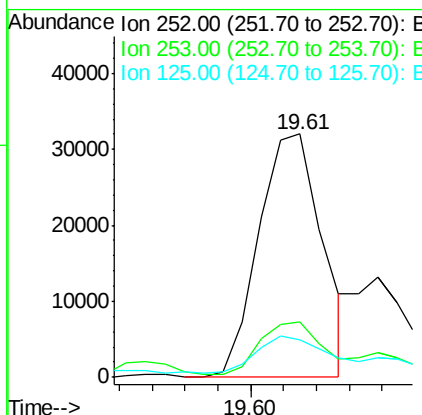
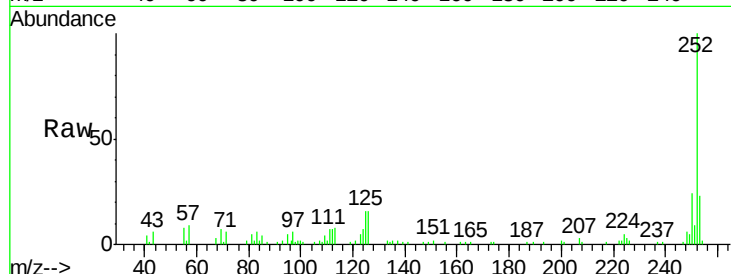
ClientSampleId :

E2-S8-BASE

Tgt Ion:	252	Resp:	43381
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.1	27.1
125	15.6	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 2.913 ng m

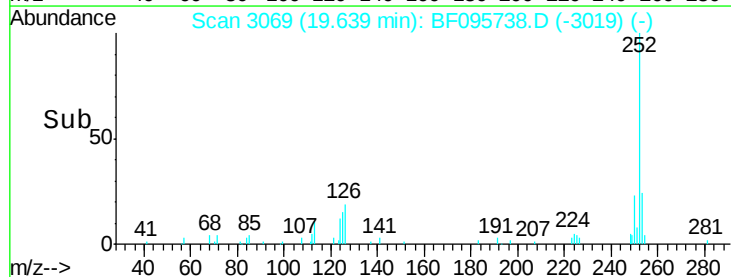
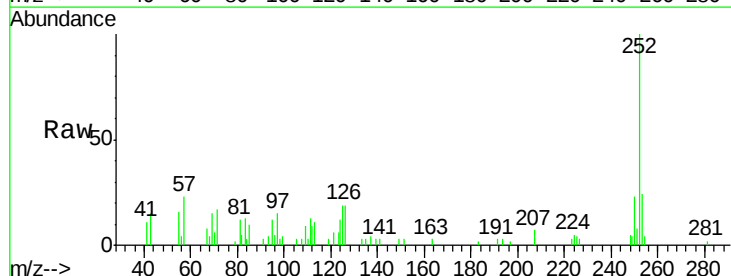
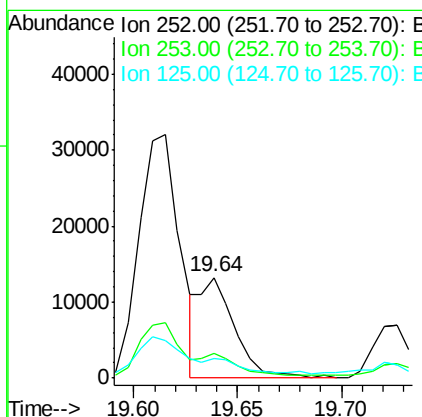
RT: 19.64 min Scan# 3069

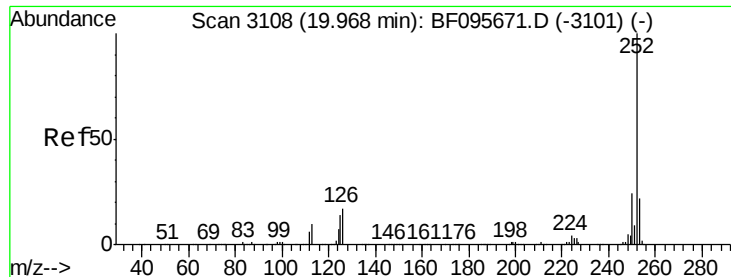
Delta R.T. -0.01 min

Lab File: BF095738.D

Acq: 7 Jun 2017 9:21

Tgt Ion:	252	Resp:	15927
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.4	27.6
125	19.2	13.1	19.7





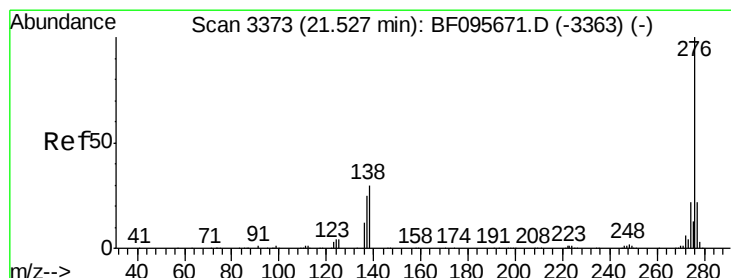
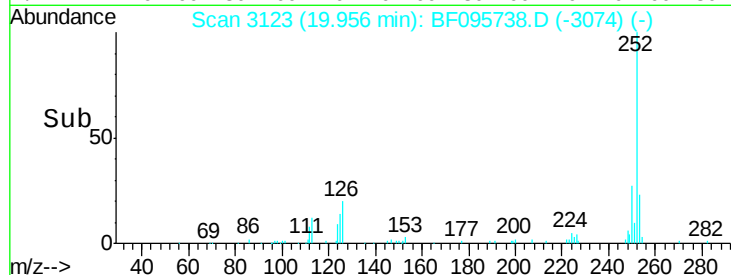
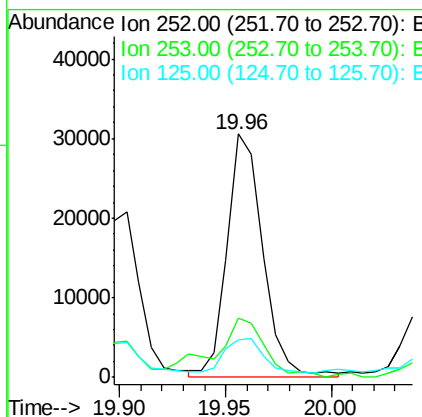
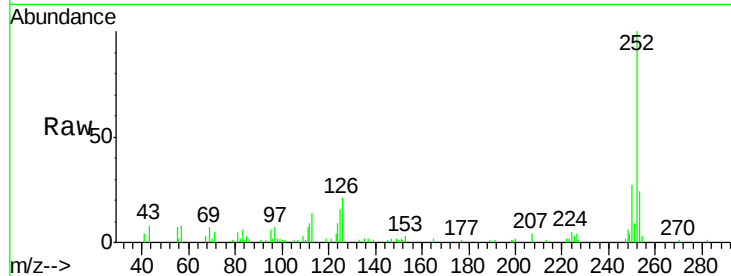
#89
Benzo(a)pyrene
Concen: 6.836 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Instrument :
BNA_F
ClientSampleId :
E2-S8-BASE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	15.6	11.0	16.4

Manual Integrations
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6/7/2017 2:19:27 PM



#91
Benzo(g,h,i)perylene
Concen: 6.050 ng
RT: 21.53 min Scan# 3390
Delta R.T. -0.00 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.6	28.0
138	31.5	25.4	38.0

