

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095747.D
 Acq On : 7 Jun 2017 15:47
 Operator : SJ/MA
 Sample : I3504-01 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VOC-SVOC-005

Manual Integrations
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Quant Time: Jun 07 17:04:16 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	75062	20.00	ng	-0.02
21) Naphthalene-d8	9.41	136	321120	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	155117	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	276122	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	187676	20.00	ng	-0.01
86) Perylene-d12	20.01	264	134572	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	40957	8.69	ng	0.02
7) Phenol-d6	6.97	99	55709	9.88	ng	0.01
23) Nitrobenzene-d5	8.31	82	36055	6.97	ng	-0.01
41) 2,4,6-Tribromophenol	13.53	330	14736	10.74	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	78829	7.07	ng	-0.02
78) Terphenyl-d14	17.00	244	59964	7.93	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	14.67	178	261036	16.38	ng	98
71) Anthracene	14.76	178	52891	3.18	ng	95
74) Fluoranthene	16.44	202	324044	20.55	ng	97
77) Pyrene	16.74	202	316004	22.57	ng	# 95
80) Benzo(a)anthracene	18.33	228	118352	10.85	ng	98
82) Chrysene	18.37	228	112850	10.35	ng	98
85) Indeno(1,2,3-cd)pyrene	21.19	276	48608	5.21	ng	95
87) Benzo(b)fluoranthene	19.61	252	107509m	12.76	ng	
88) Benzo(k)fluoranthene	19.64	252	37326m	4.63	ng	
89) Benzo(a)pyrene	19.96	252	81926	10.58	ng	96
90) Dibenzo(a,h)anthracene	21.19	278	14737	2.24	ng	# 77
91) Benzo(a,h,i)perylene	21.53	276	50949	7.61	ng	96

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

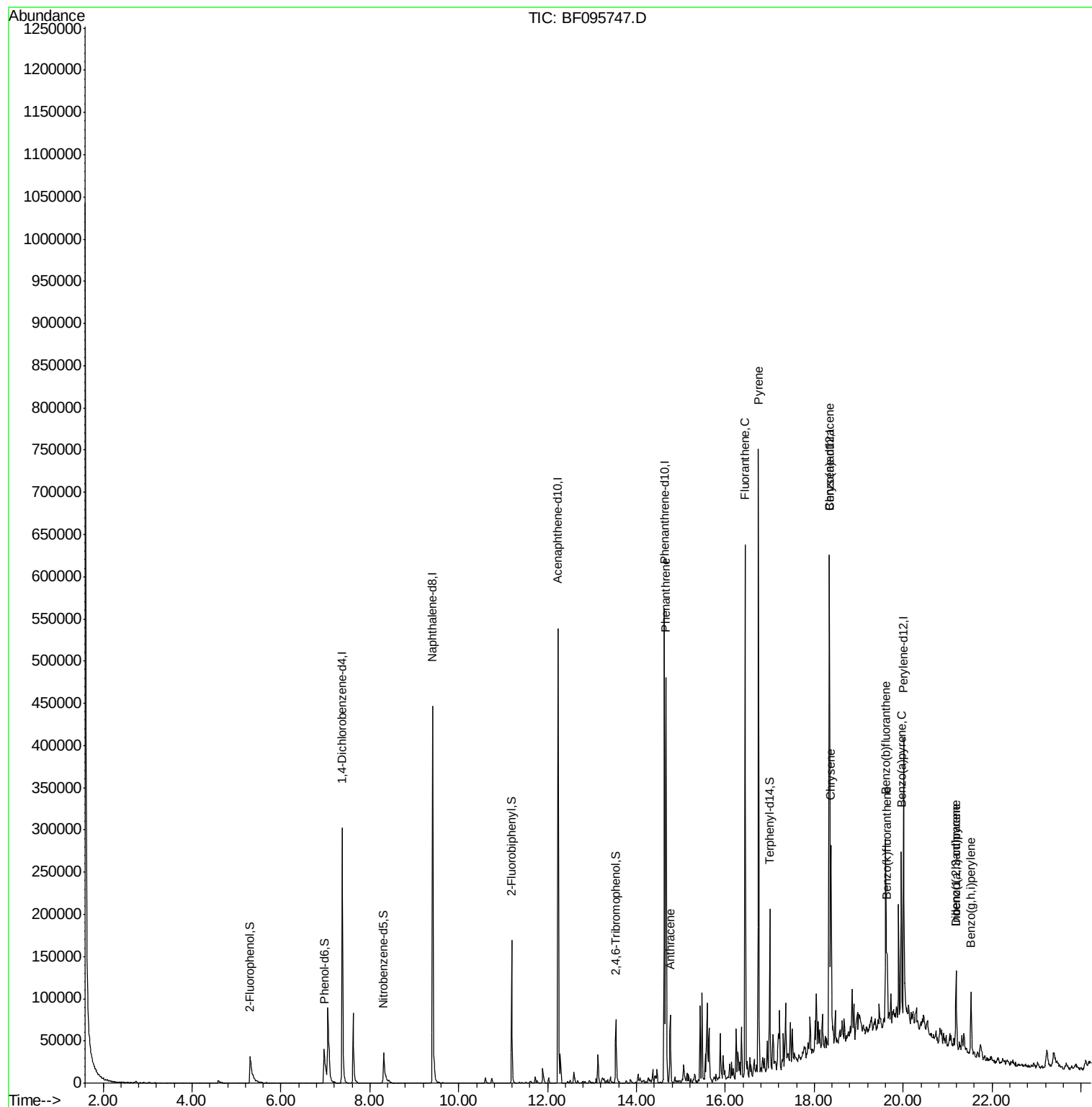
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
Data File : BF095747.D
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Operator : SJ/MA
Sample : I3504-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

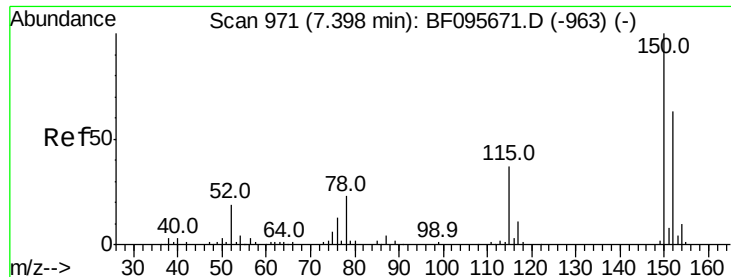
Instrument :
BNA_F
ClientSampleId :
VOC-SVOC-005

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Quant Time: Jun 07 17:04:16 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

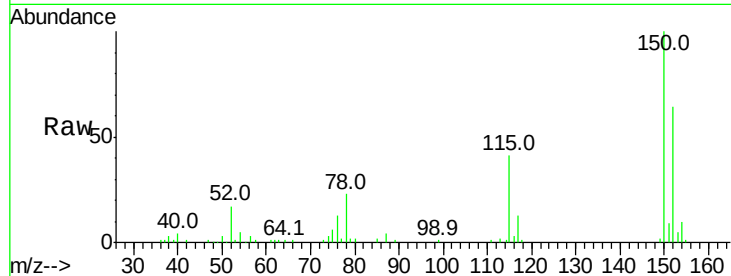
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095747.D
Acq: 7 Jun 2017 15:47

Instrument :
BNA_F
ClientSampleId :
VOC-SVOC-005

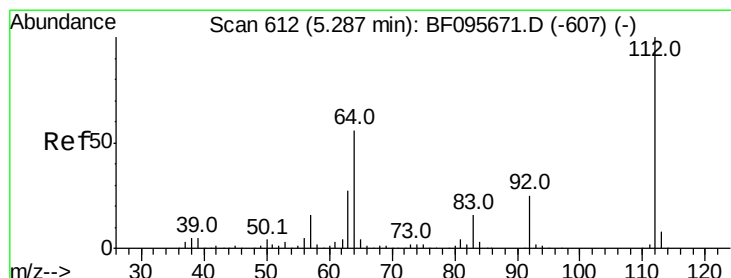
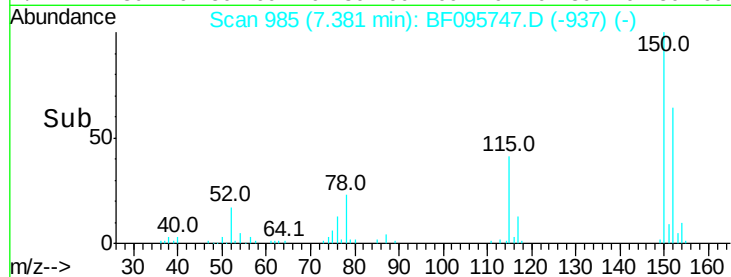
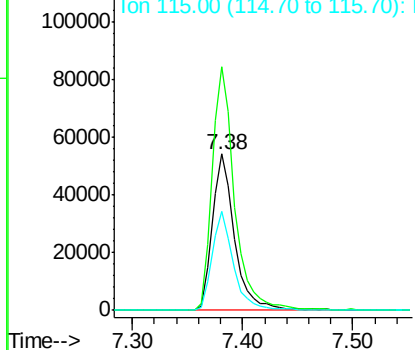
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.2	189.2
115	63.1	52.2	78.2

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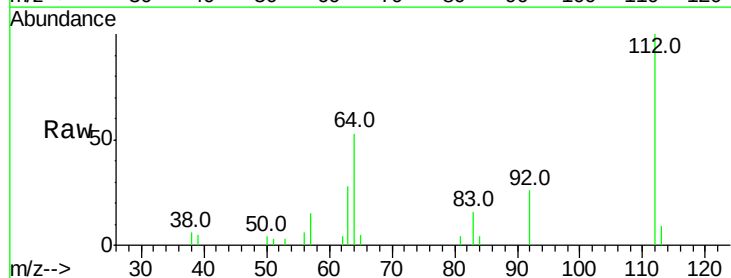
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



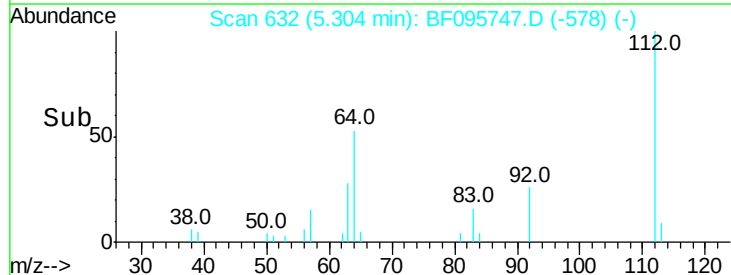
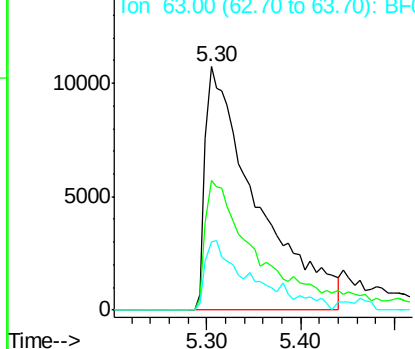
#5

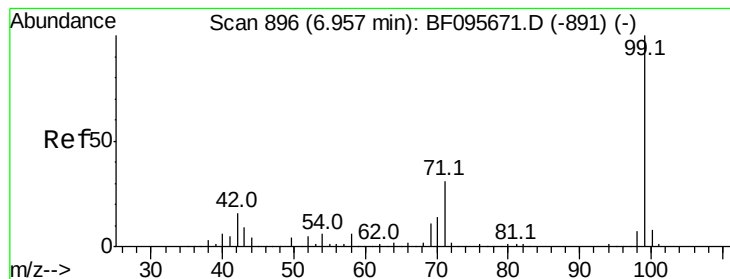
2-Fluorophenol
Concen: 8.69 ng
RT: 5.30 min Scan# 632
Delta R.T. 0.02 min
Lab File: BF095747.D
Acq: 7 Jun 2017 15:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	46.0	69.0
63	28.0	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: 9.88 ng

RT: 6.97 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF095747.D

Acq: 7 Jun 2017 15:47

Instrument :

BNA_F

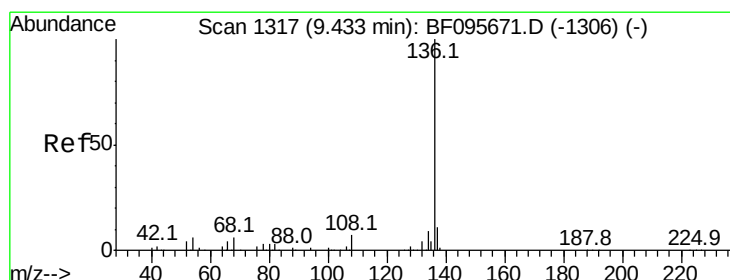
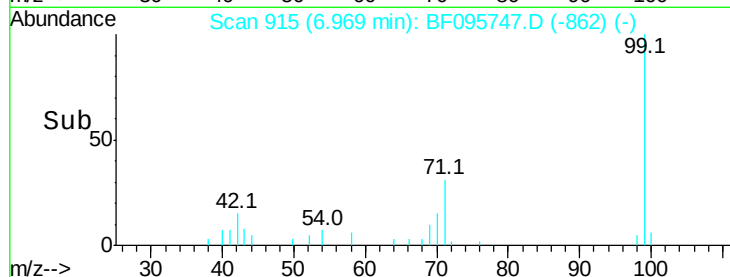
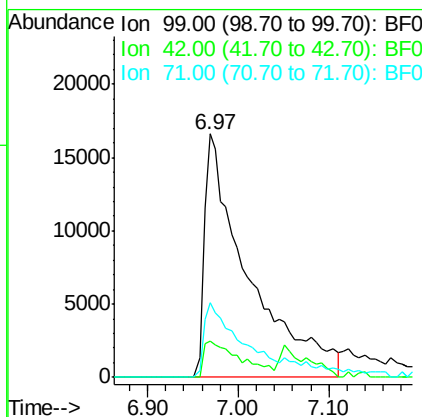
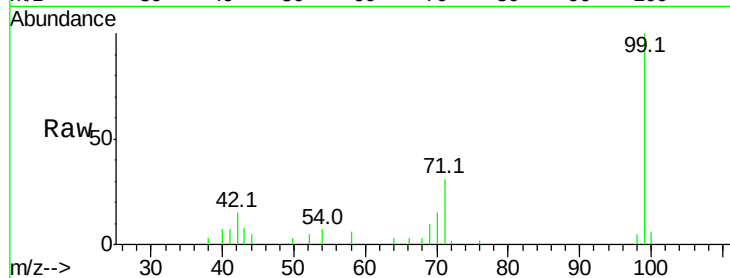
ClientSampleId :

VOC-SVOC-005

Tot Ion:	99	Resp:	55709
Ion	Ratio	Lower	Upper
99	100		
42	14.8	13.5	20.3
71	30.6	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

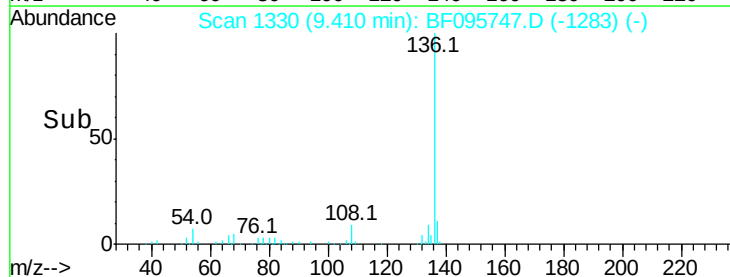
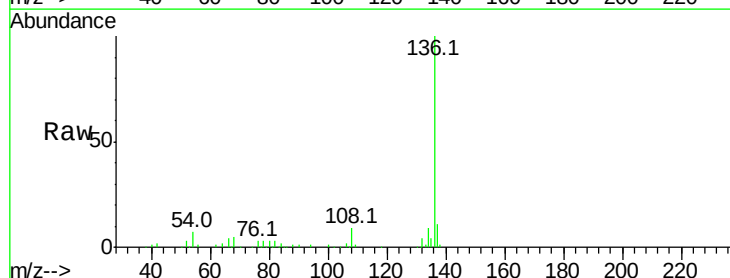
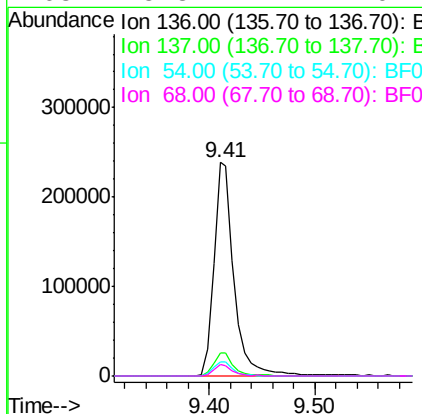
RT: 9.41 min Scan# 1330

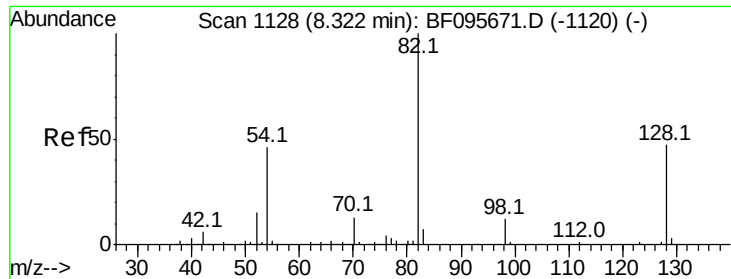
Delta R.T. -0.02 min

Lab File: BF095747.D

Acq: 7 Jun 2017 15:47

Tgt Ion:	136	Resp:	321120
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	6.8	4.9	7.3
68	5.3	4.1	6.1





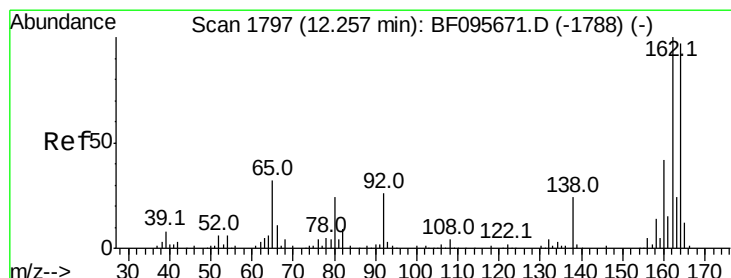
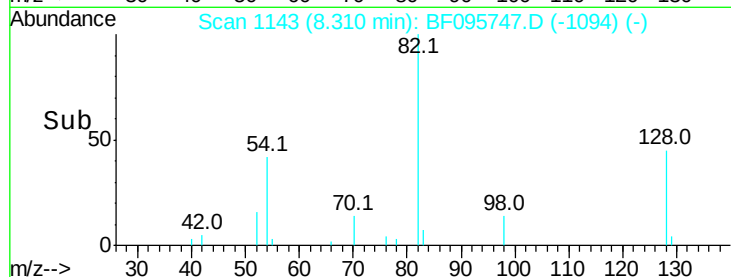
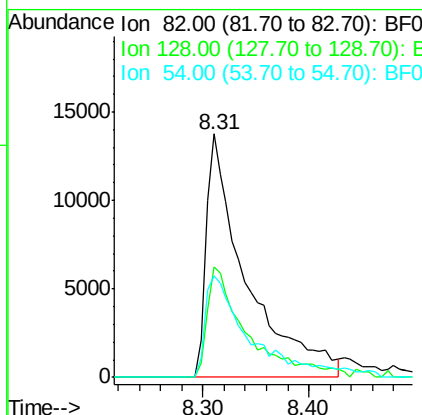
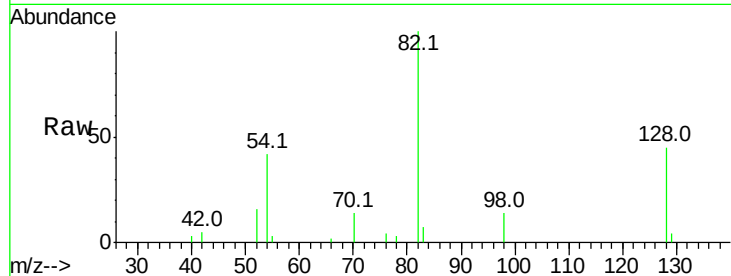
#23
 Nitrobenzene-d5
 Concen: 6.97 ng
 RT: 8.31 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF095747.D
 Acq: 7 Jun 2017 15:47

Instrument :
 BNA_F
 ClientSampleId :
 VOC-SVOC-005

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.0	51.0
54	41.9	42.2	63.2#

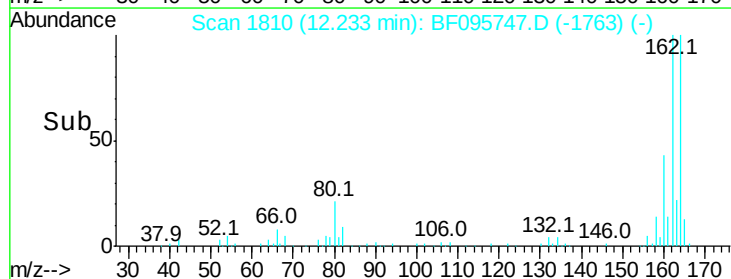
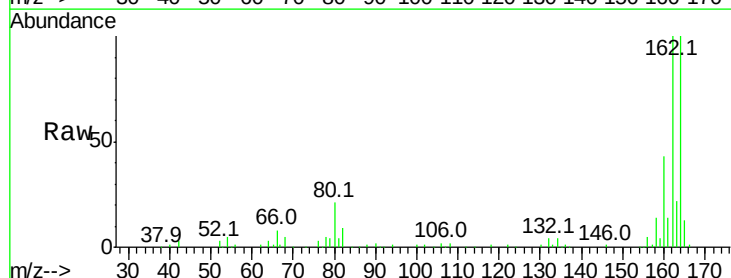
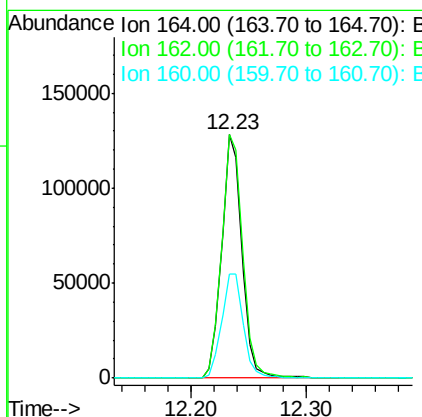
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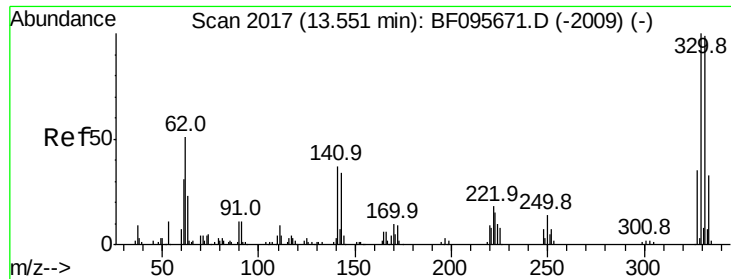
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.23 min Scan# 1810
 Delta R.T. -0.02 min
 Lab File: BF095747.D
 Acq: 7 Jun 2017 15:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.6	123.8
160	42.6	36.2	54.2





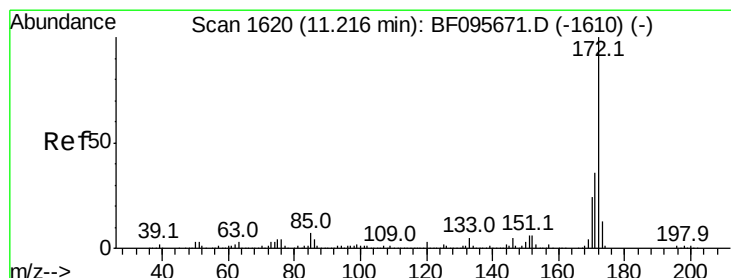
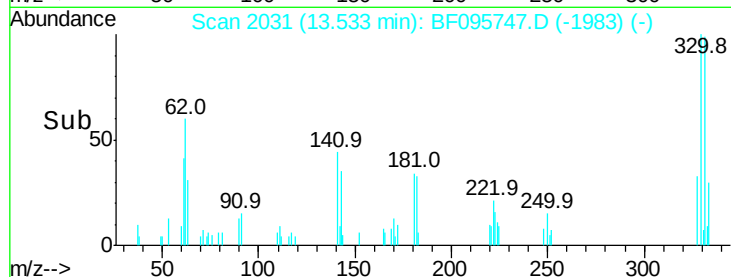
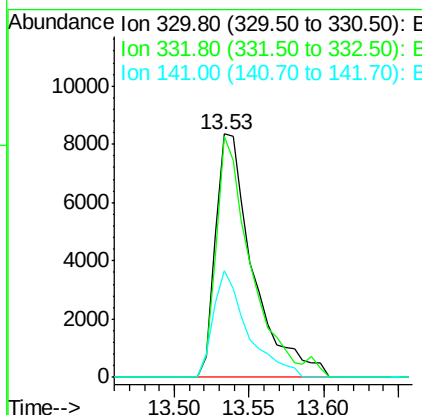
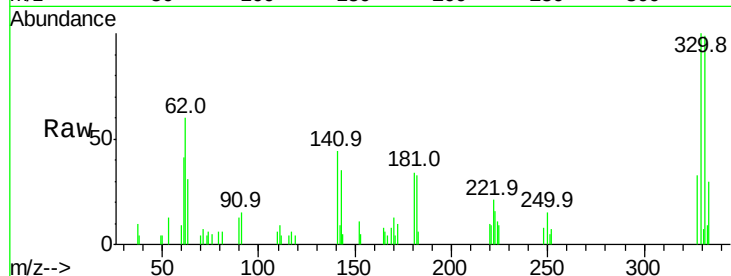
#41
 2,4,6-Tribromophenol
 Concen: 10.74 ng
 RT: 13.53 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF095747.D
 Acq: 7 Jun 2017 15:47

Instrument :
 BNA_F
 ClientSampleId :
 VOC-SVOC-005

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.7	76.6	115.0
141	39.7	31.4	47.2

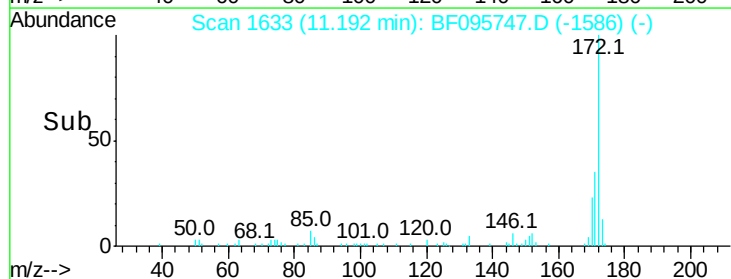
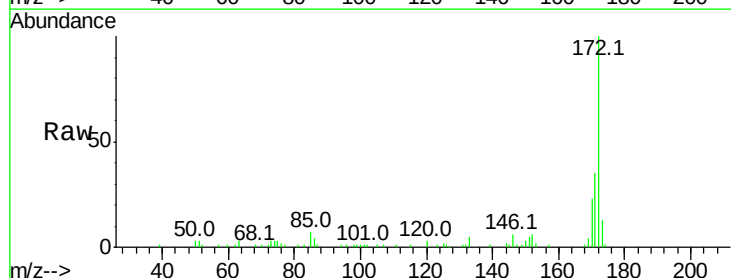
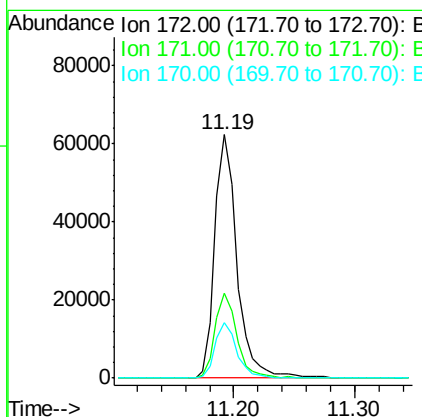
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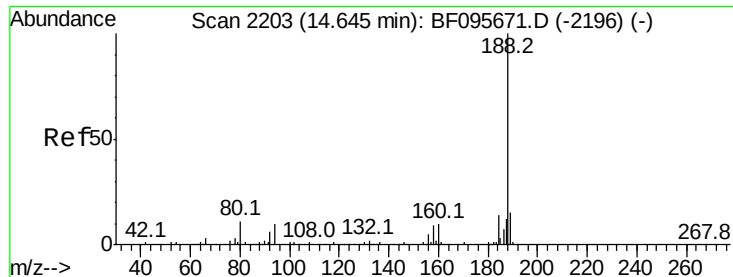
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#44
 2-Fluorobiphenyl
 Concen: 7.07 ng
 RT: 11.19 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095747.D
 Acq: 7 Jun 2017 15:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	22.9	19.8	29.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.63 min Scan# 2217

Delta R.T. -0.02 min

Lab File: BF095747.D

Acq: 7 Jun 2017 15:47

Instrument :

BNA_F

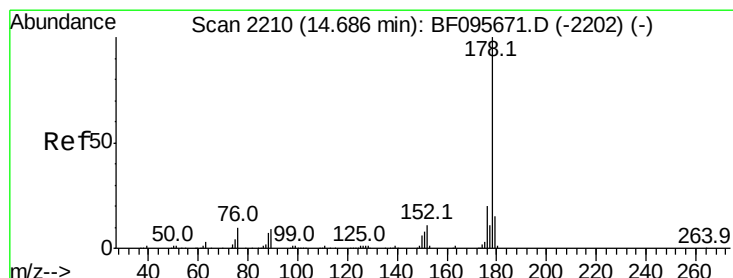
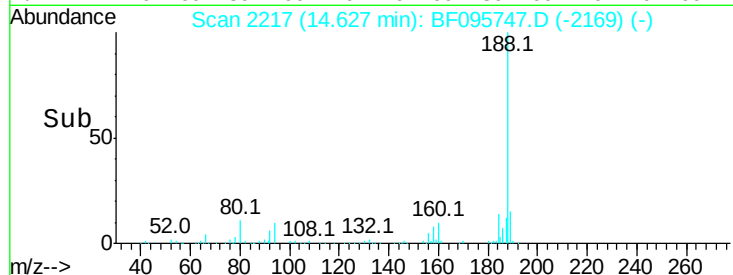
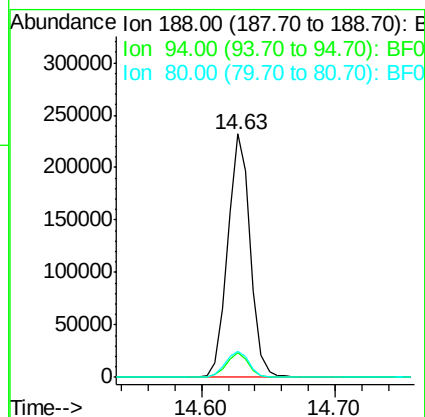
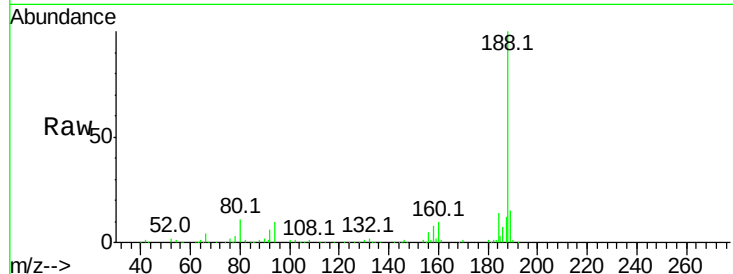
ClientSampleId :

VOC-SVOC-005

Tot Ion:	188	Resp:	276122
Ion Ratio	Lower	Upper	
188	100		
94	10.2	9.4	14.2
80	10.8	10.2	15.2

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#70

Phenanthrene

Concen: 16.38 ng

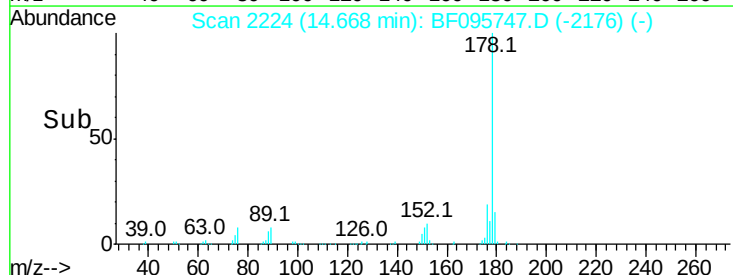
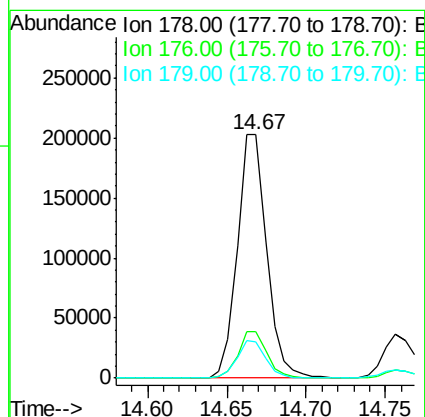
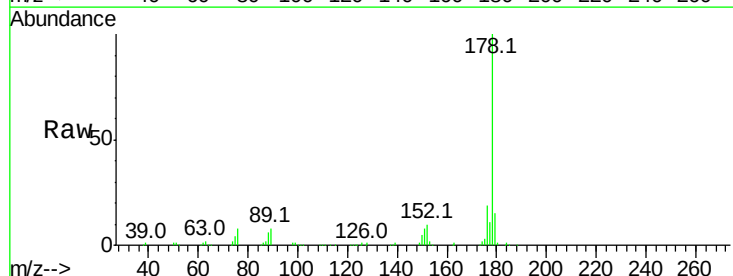
RT: 14.67 min Scan# 2224

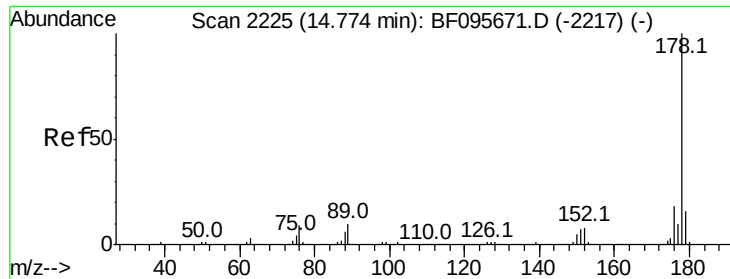
Delta R.T. -0.02 min

Lab File: BF095747.D

Acq: 7 Jun 2017 15:47

Tgt Ion:	178	Resp:	261036
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.2	24.4
179	14.7	12.6	19.0





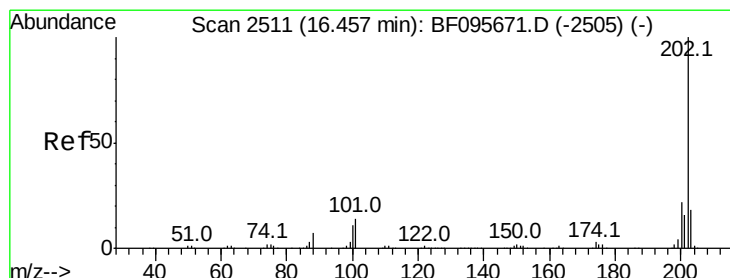
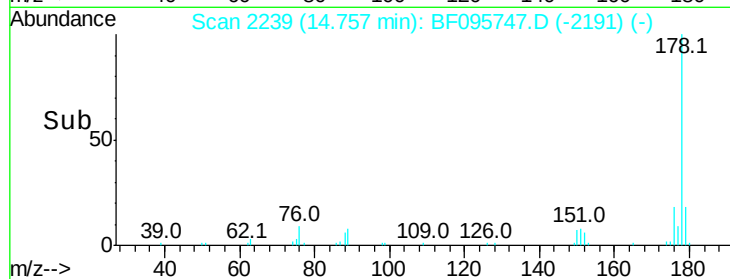
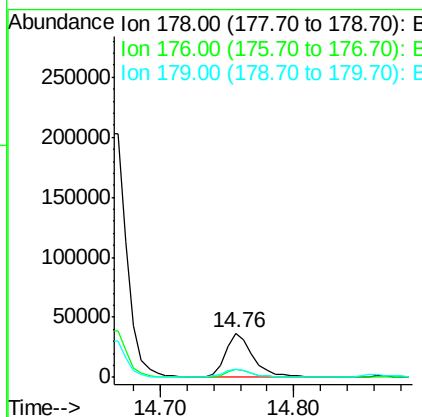
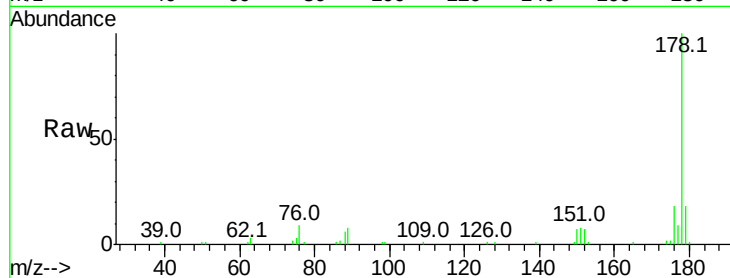
#71
 Anthracene
 Concen: 3.18 ng
 RT: 14.76 min Scan# 2239
 Delta R.T. -0.02 min
 Lab File: BF095747.D
 Acq: 7 Jun 2017 15:47

Instrument :
 BNA_F
 ClientSampleId :
 VOC-SVOC-005

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	18.4	12.7	19.1

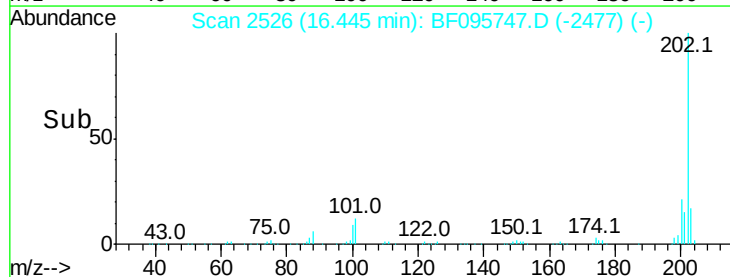
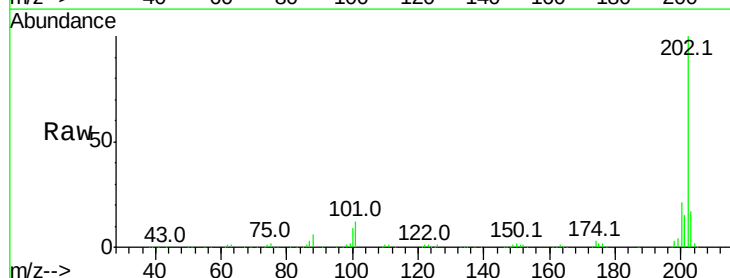
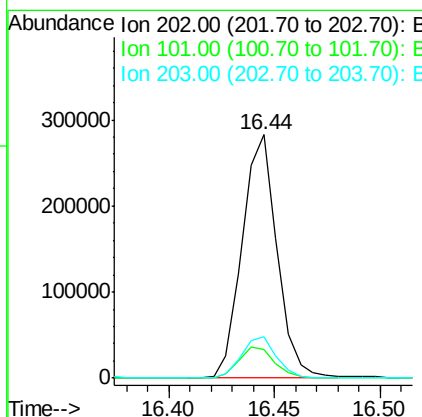
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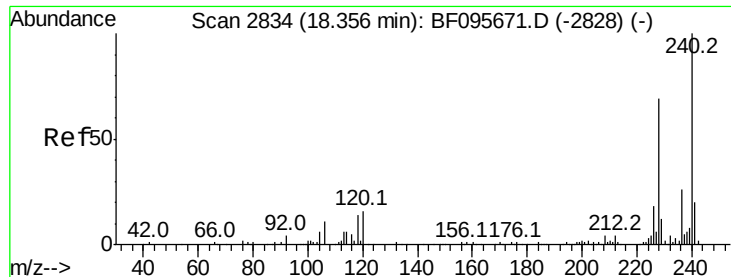
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#74
 Fluoranthene
 Concen: 20.55 ng
 RT: 16.44 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095747.D
 Acq: 7 Jun 2017 15:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.34 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BF095747.D

Acq: 7 Jun 2017 15:47

Instrument :

BNA_F

ClientSampleId :

VOC-SVOC-005

Tot Ion:240 Resp: 187676

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

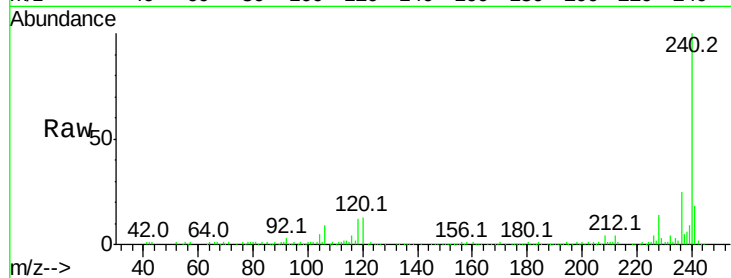
236 24.7 20.5 30.7

Manual Integrations

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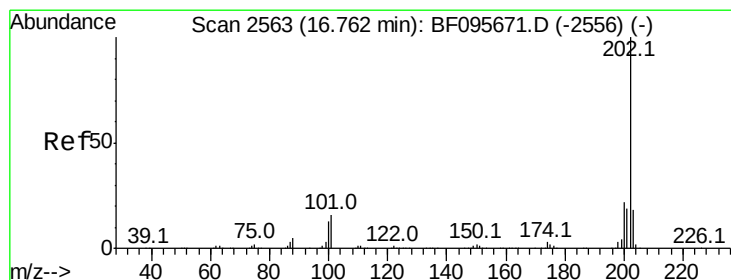
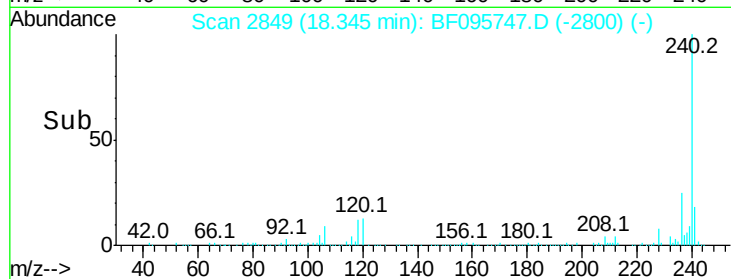
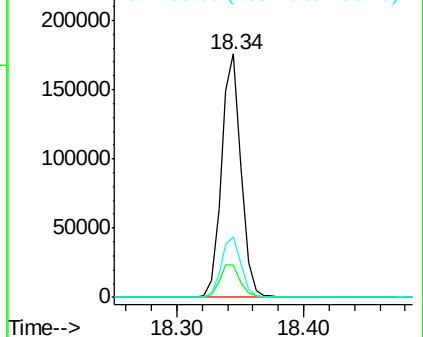
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 22.57 ng

RT: 16.74 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF095747.D

Acq: 7 Jun 2017 15:47

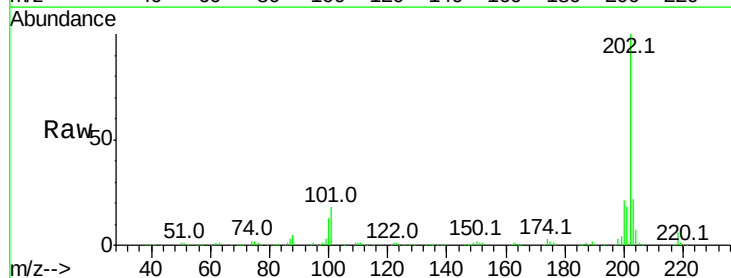
Tgt Ion:202 Resp: 316004

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

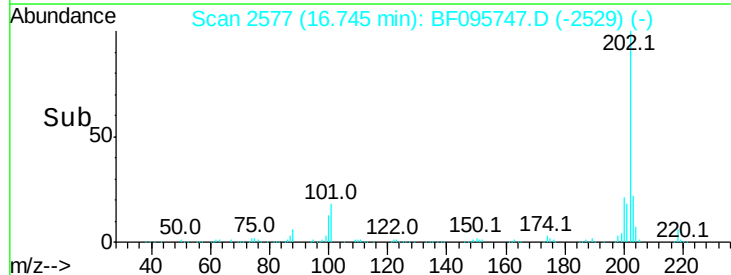
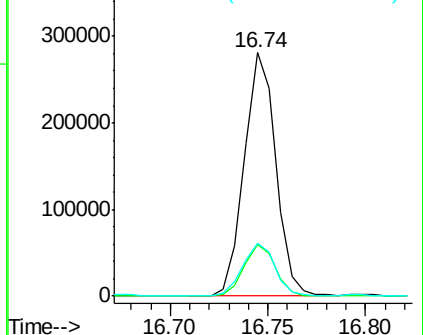
203 21.8 14.4 21.6#

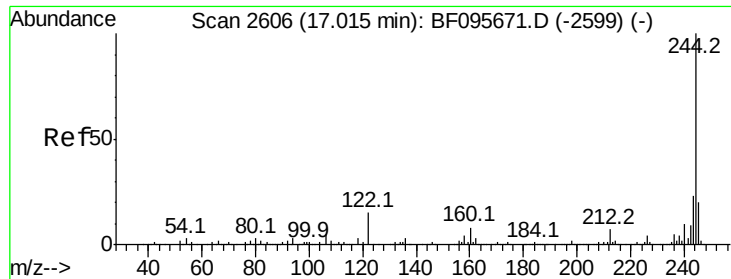


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





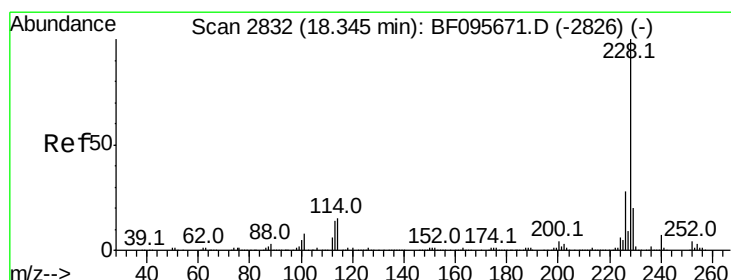
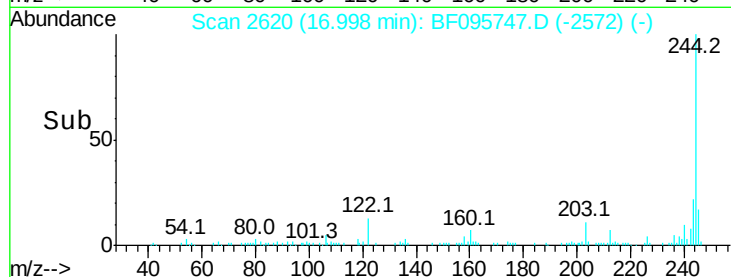
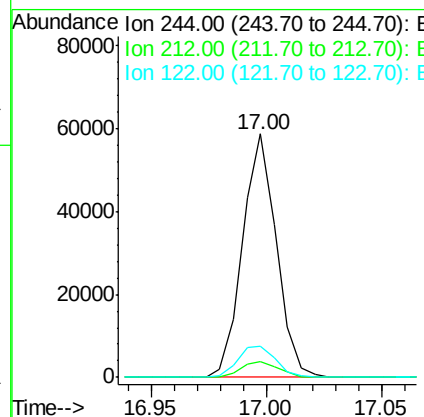
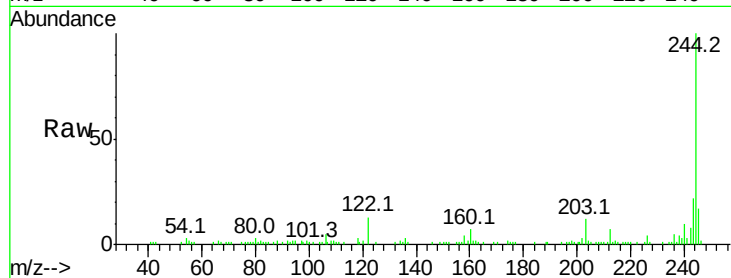
#78
 Terphenyl-d14
 Concen: 7.93 ng
 RT: 17.00 min Scan# 2620
 Delta R.T. -0.02 min
 Lab File: BF095747.D
 Acq: 7 Jun 2017 15:47

Instrument :
 BNA_F
 ClientSampleId :
 VOC-SVOC-005

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	12.9	10.3	15.5

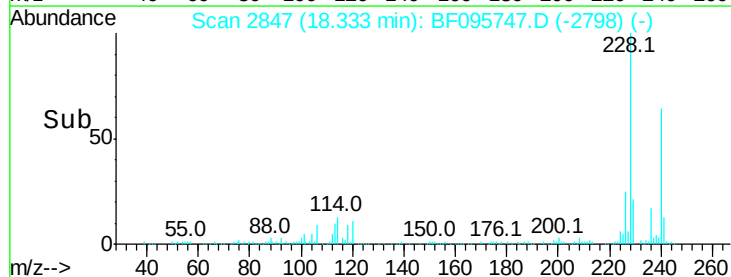
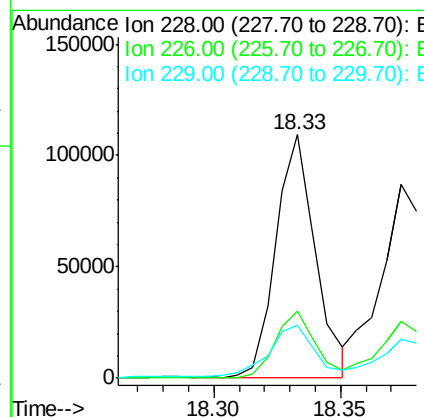
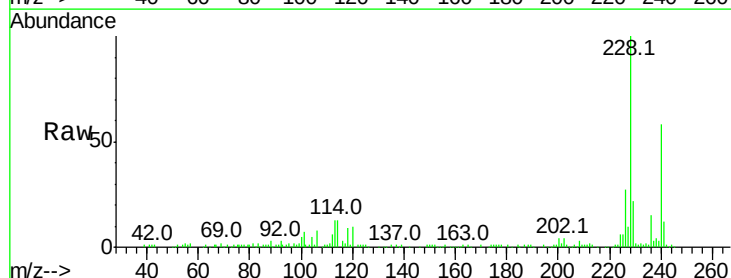
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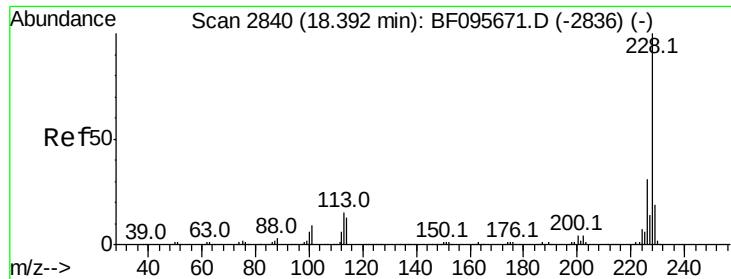
mohammad
 6/8/2017 12:18:39 PM



#80
 Benzo(a)anthracene
 Concen: 10.85 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095747.D
 Acq: 7 Jun 2017 15:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	22.0	16.3	24.5





#82

Chrysene

Concen: 10.35 ng

RT: 18.37 min Scan# 2854

Delta R.T. -0.02 min

Lab File: BF095747.D

Acq: 7 Jun 2017 15:47

Instrument :

BNA_F

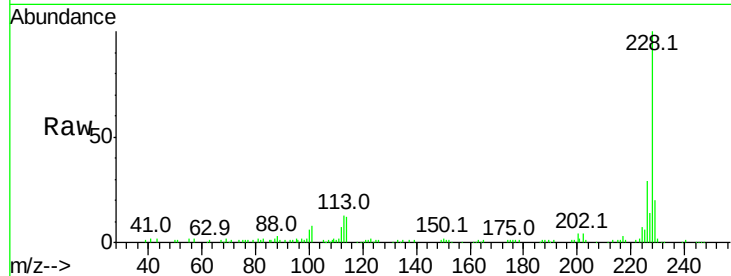
ClientSampleId :

VOC-SVOC-005

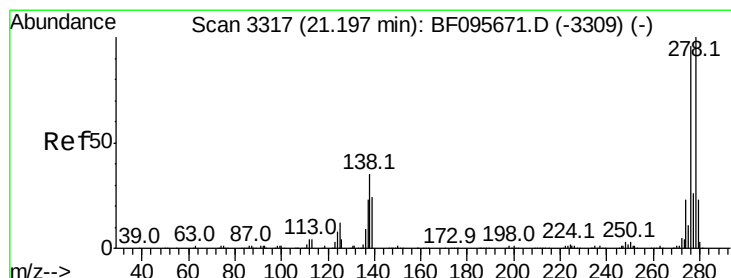
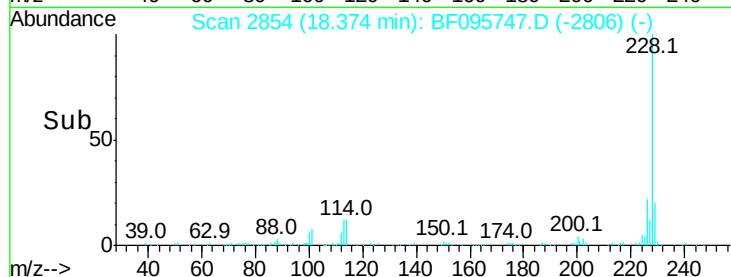
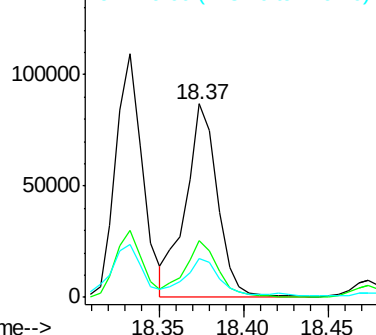
Tot Ion:	228	Resp:	112850
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.9	37.3
229	20.2	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.21 ng

RT: 21.19 min Scan# 3333

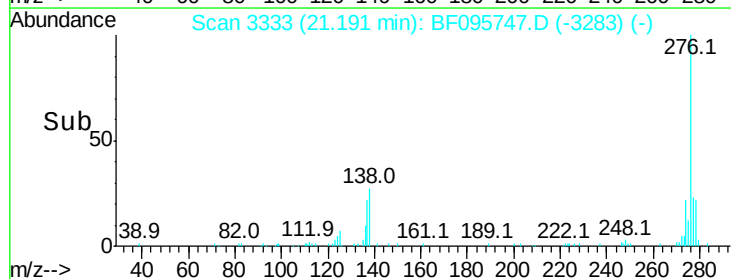
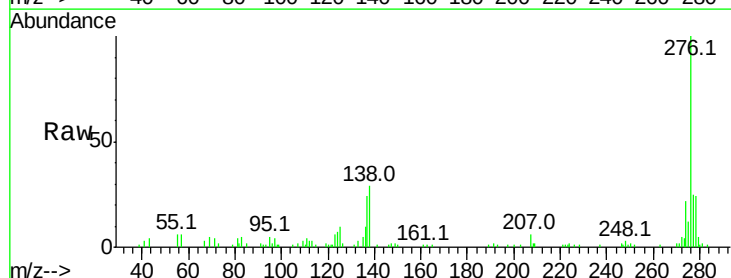
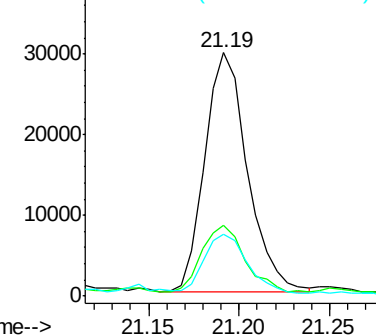
Delta R.T. -0.01 min

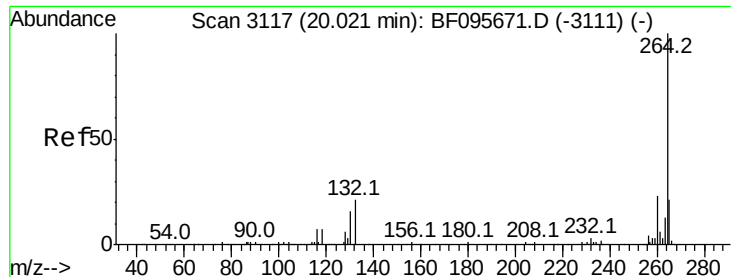
Lab File: BF095747.D

Acq: 7 Jun 2017 15:47

Tgt Ion:	276	Resp:	48608
Ion Ratio	Lower	Upper	
276	100		
138	30.3	27.8	41.6
277	24.6	20.2	30.4

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

Pervlene-d12

Concen: 20.00 ng

RT: 20.01 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BF095747.D

Acq: 7 Jun 2017 15:47

Instrument :

BNA_F

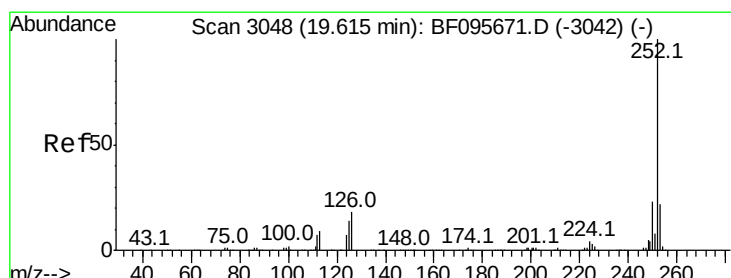
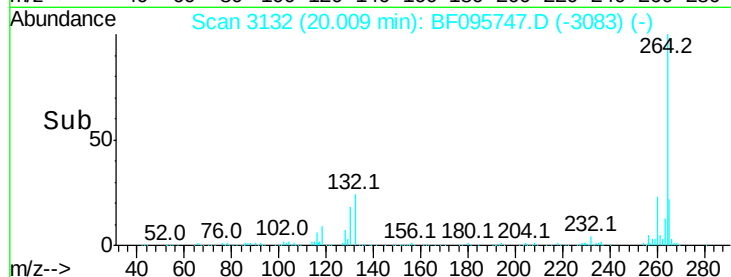
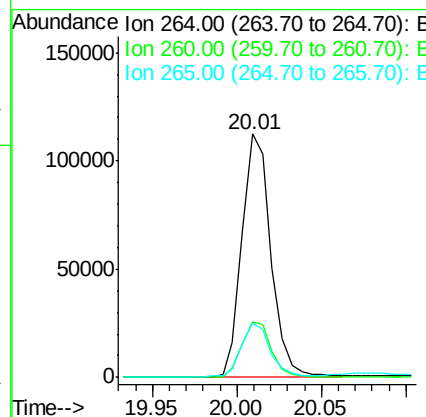
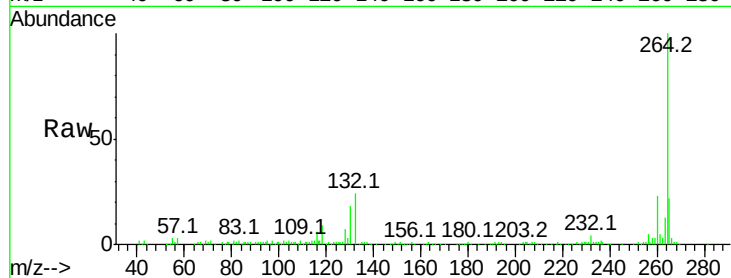
ClientSampleId :

VOC-SVOC-005

Tot Ion:	264	Resp:	134572
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.5	29.3
265	22.2	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 12.76 ng m

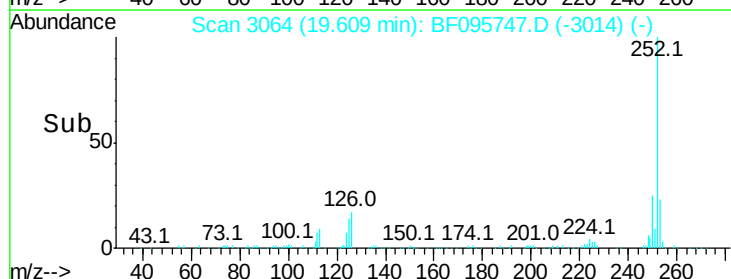
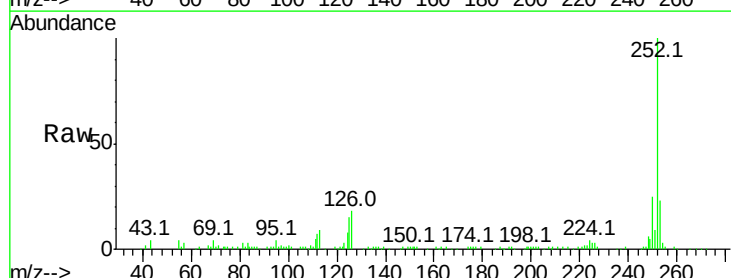
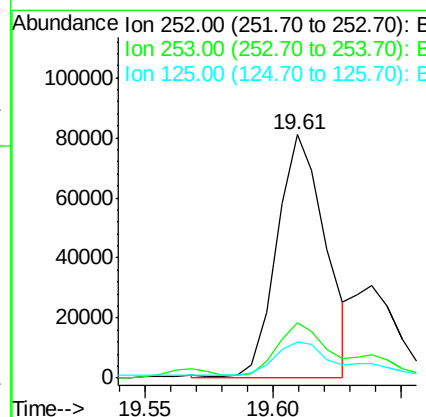
RT: 19.61 min Scan# 3064

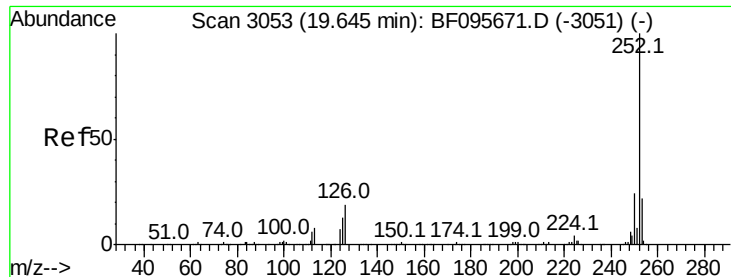
Delta R.T. -0.01 min

Lab File: BF095747.D

Acq: 7 Jun 2017 15:47

Tgt Ion:	252	Resp:	107509
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	14.9	9.8	14.8#





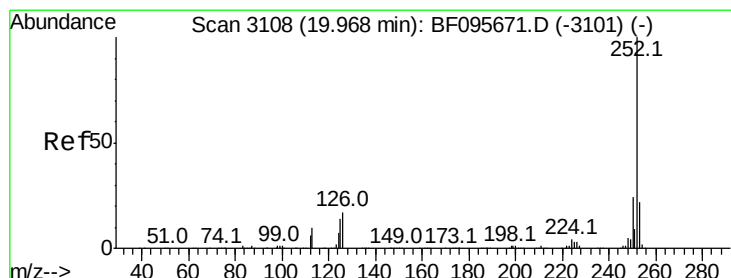
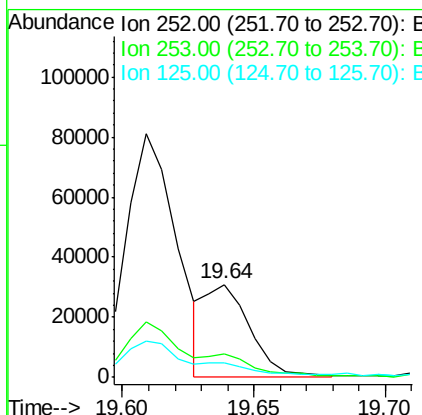
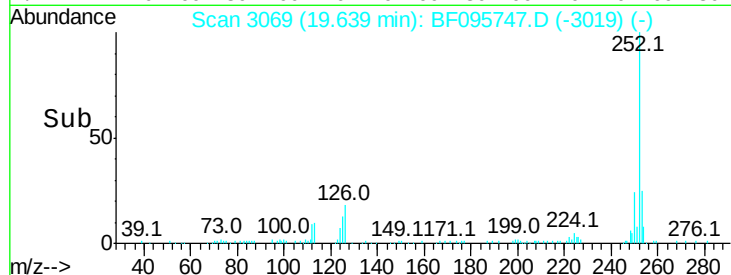
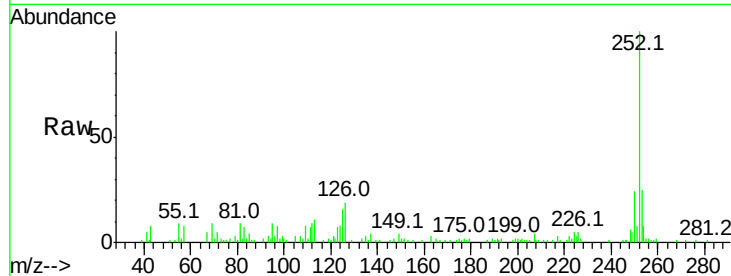
#88
Benzo(k)fluoranthene
Concen: 4.63 ng m
RT: 19.64 min Scan# 3069
Delta R.T. -0.01 min
Lab File: BF095747.D
Acq: 7 Jun 2017 15:47

Instrument :
BNA_F
ClientSampleId :
VOC-SVOC-005

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.4	27.6
125	16.3	13.1	19.7

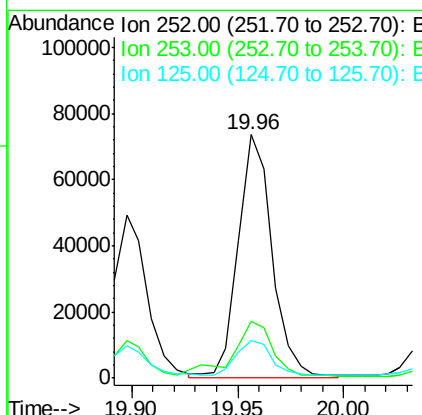
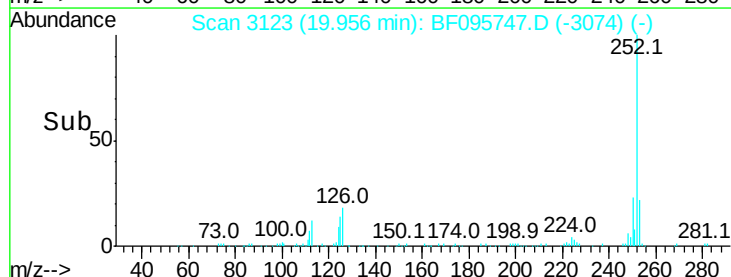
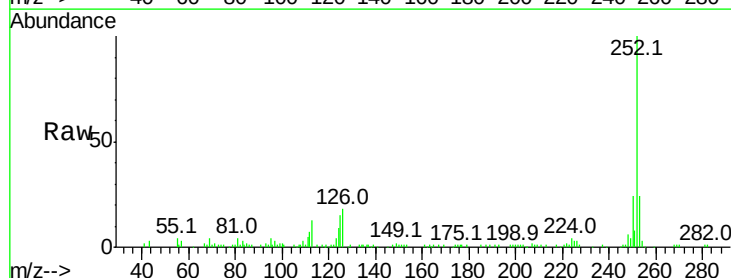
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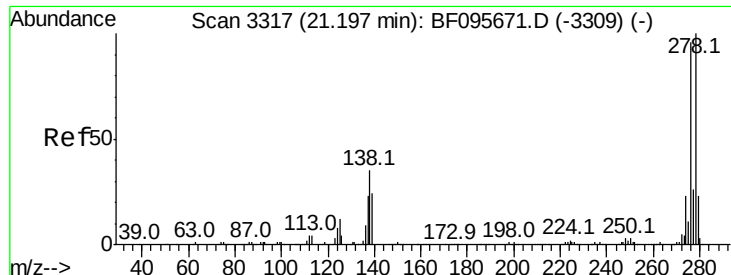
mohammad
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#89
Benzo(a)pyrene
Concen: 10.58 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095747.D
Acq: 7 Jun 2017 15:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	15.5	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.24 ng

RT: 21.19 min Scan# 3333

Delta R.T. -0.01 min

Lab File: BF095747.D

Acq: 7 Jun 2017 15:47

Instrument :

BNA_F

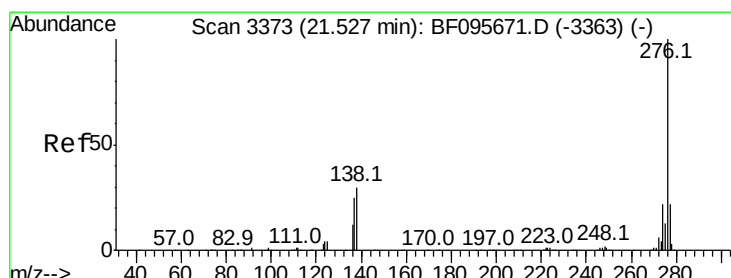
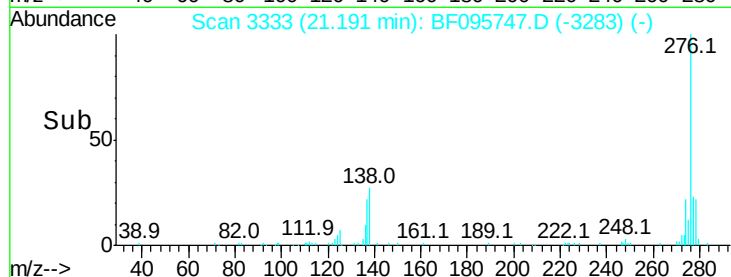
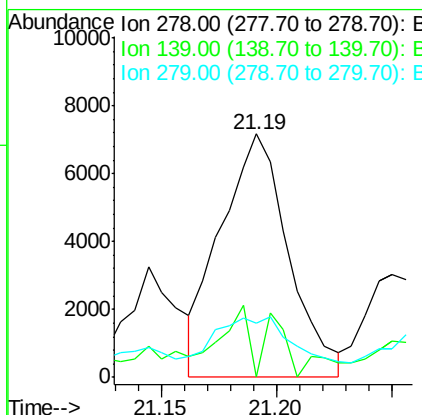
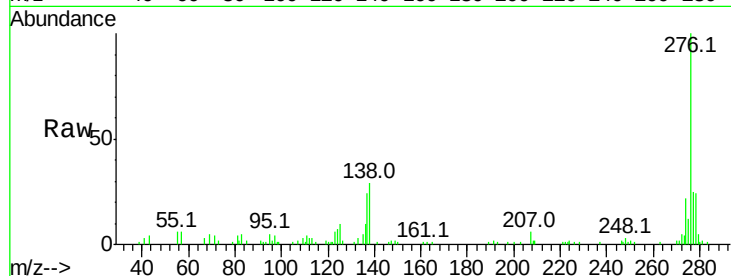
ClientSampleId :

VOC-SVOC-005

Tot Ion:	278	Resp:	14737
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.6	24.8#
279	22.2	19.3	28.9

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#91

Benzo(g,h,i)perylene

Concen: 7.61 ng

RT: 21.53 min Scan# 3390

Delta R.T. -0.00 min

Lab File: BF095747.D

Acq: 7 Jun 2017 15:47

Tgt Ion:	276	Resp:	50949
Ion Ratio	Lower	Upper	
276	100		
277	27.3	18.6	28.0
138	31.5	25.4	38.0

