

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095573.D
 Acq On : 31 May 2017 20:08
 Operator : SJ/MA
 Sample : I3329-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-8(0-3)

Manual Integrations
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Quant Time: Jun 01 05:35:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 04:09:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	113816	20.00	ng	0.00
21) Naphthalene-d8	9.58	136	476067	20.00	ng	0.00
38) Acenaphthene-d10	12.41	164	197776	20.00	ng	0.00
63) Phenanthrene-d10	14.81	188	387556	20.00	ng	0.00
75) Chrysene-d12	18.51	240	254573	20.00	ng	0.00
86) Perylene-d12	20.18	264	194584	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	708512	103.78	ng	0.00
7) Phenol-d6	7.10	99	908882	110.96	ng	0.00
23) Nitrobenzene-d5	8.47	82	537780	71.23	ng	0.00
41) 2,4,6-Tribromophenol	13.71	330	179447	110.79	ng	0.00
44) 2-Fluorobiphenyl	11.36	172	970149	70.60	ng	0.00
78) Terphenyl-d14	17.16	244	692704	59.93	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	12.05	163	183912	11.33	ng	99
70) Phenanthrene	14.85	178	345213	15.50	ng	97
71) Anthracene	14.94	178	79764	3.51	ng	97
74) Fluoranthene	16.61	202	413494	18.10	ng	98
77) Pyrene	16.91	202	367795	19.32	ng	97
80) Benzo(a)anthracene	18.49	228	128231	8.65	ng	97
82) Chrysene	18.54	228	120884	8.44	ng	97
85) Indeno(1,2,3-cd)pyrene	21.44	276	54627	4.70	ng	97
87) Benzo(b)fluoranthene	19.78	252	116818	9.72	ng	# 97
88) Benzo(k)fluoranthene	19.80	252	36884m	3.18	ng	
89) Benzo(a)pyrene	20.12	252	80631	7.27	ng	97
91) Benzo(a,h,i)perylene	21.79	276	51885	5.77	ng	95

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

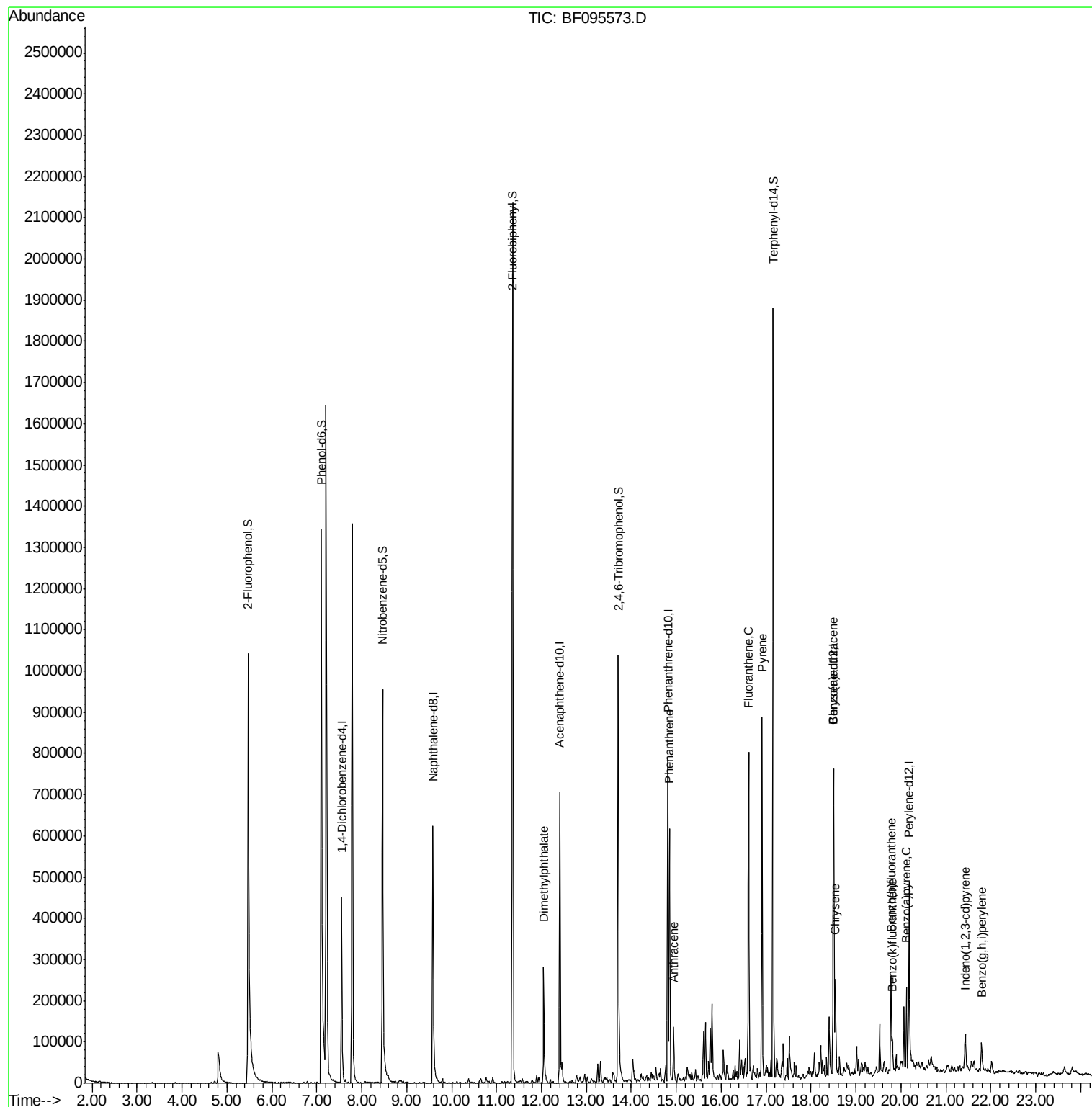
Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
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Operator : SJ/MA
Sample : I3329-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

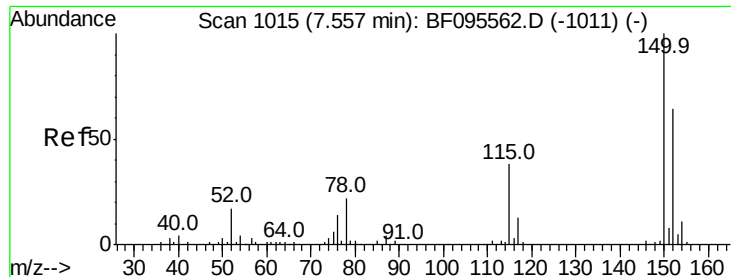
Instrument :
BNA_F
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B-8(0-3)

Manual Integrations
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#1

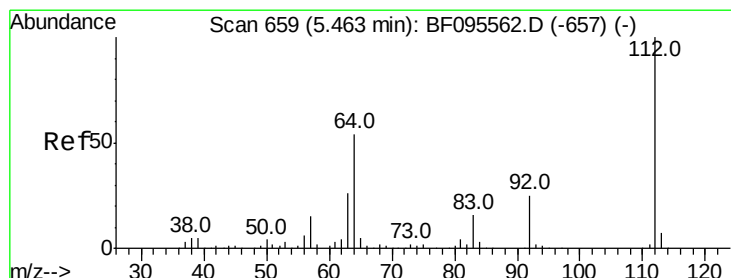
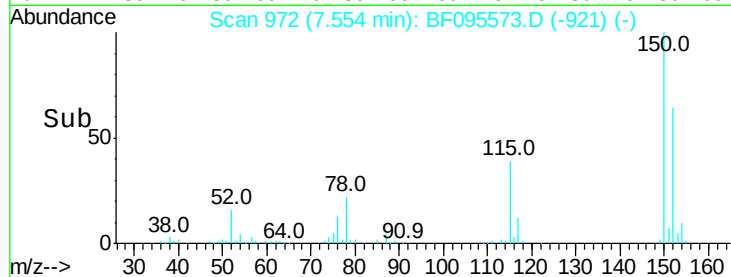
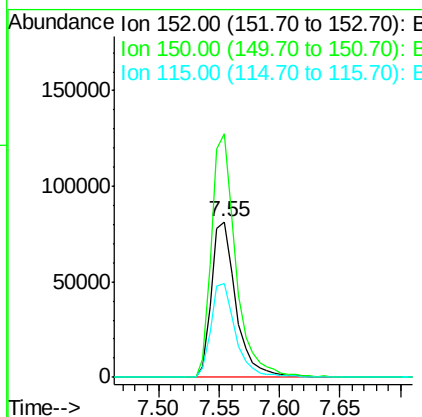
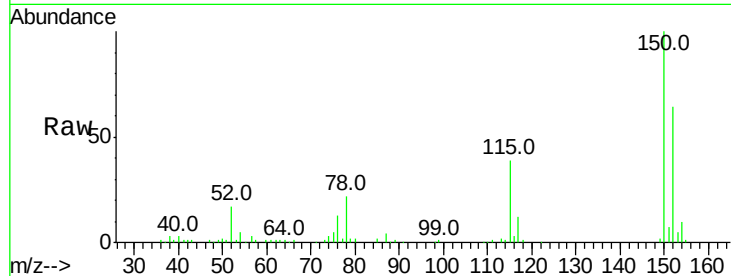
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 972
Delta R.T. -0.00 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Instrument :
BNA_F
ClientSampleId :
B-8(0-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.2	189.2
115	60.3	52.2	78.2

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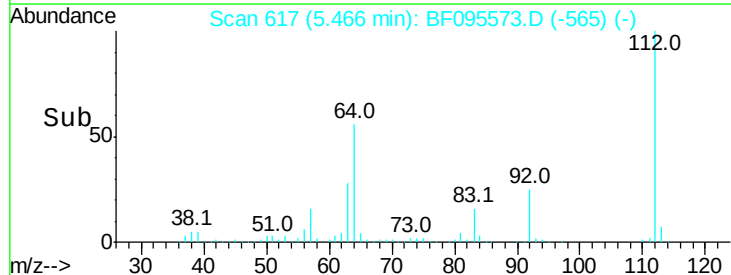
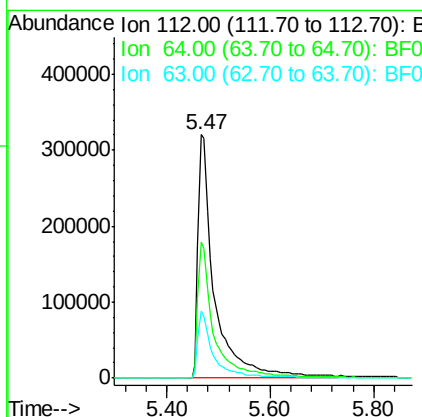
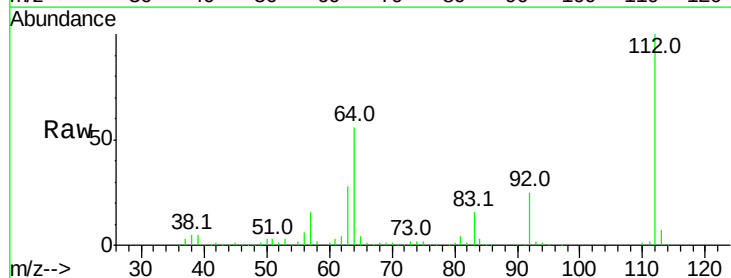
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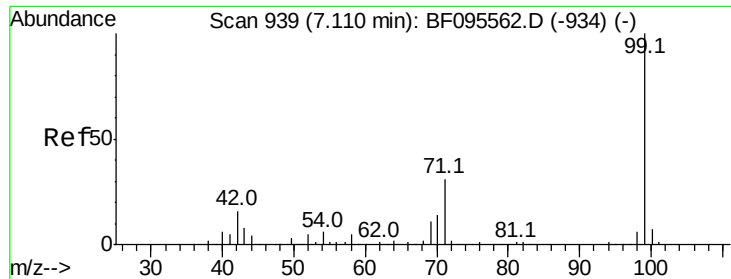


#5

2-Fluorophenol
Concen: 103.78 ng
RT: 5.47 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.0	69.0
63	27.7	23.4	35.0





#7

Phenol-d6

Concen: 110.96 ng

RT: 7.10 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

Instrument :

BNA_F

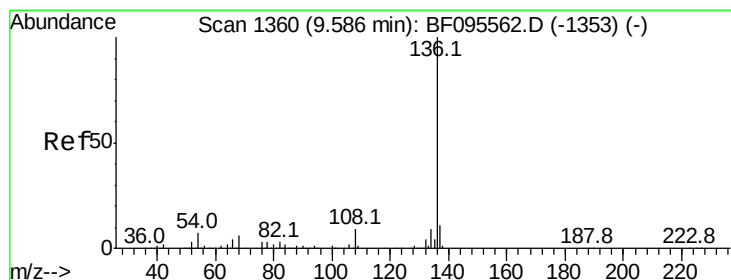
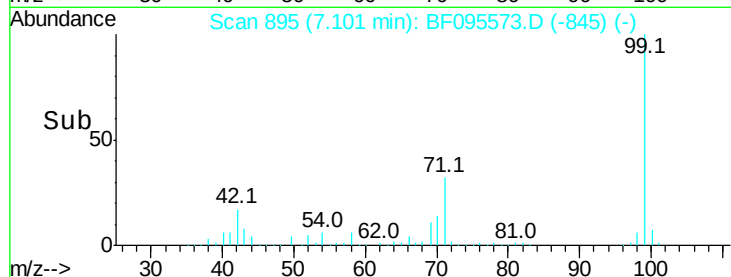
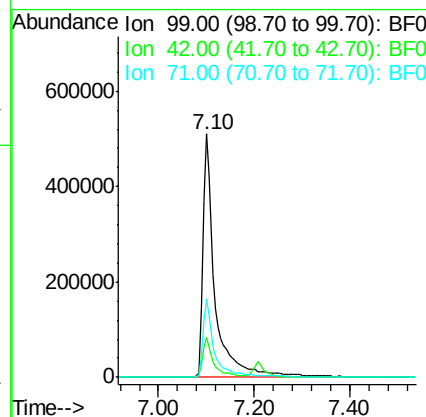
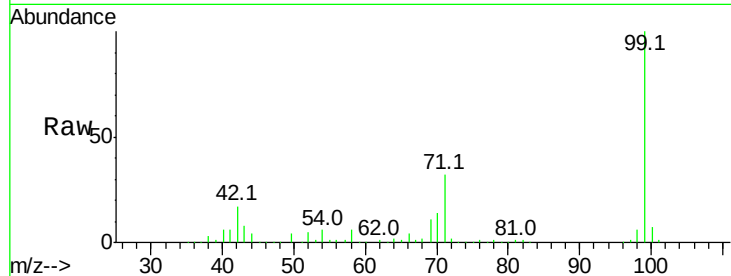
ClientSampleId :

B-8(0-3)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		908882		
42	16.5	13.5	20.3		
71	32.4	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

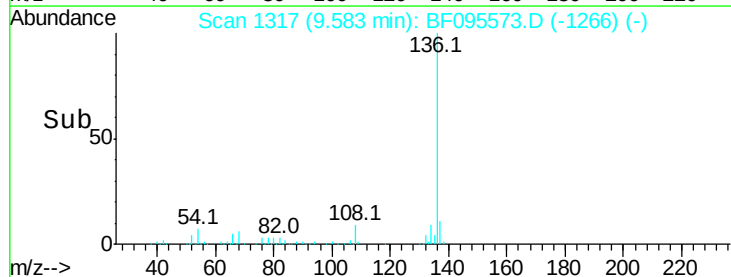
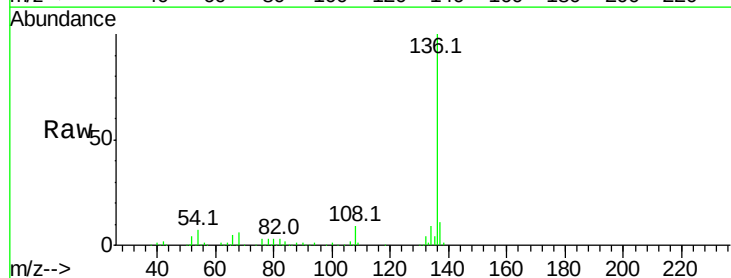
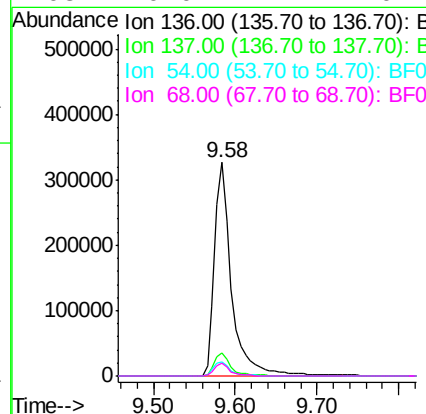
RT: 9.58 min Scan# 1317

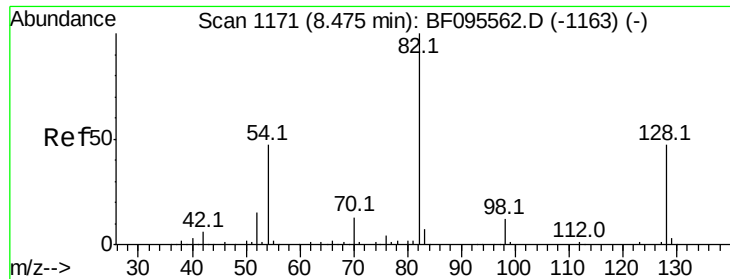
Delta R.T. -0.00 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		476067		
137	11.1	8.5	12.7		
54	6.6	4.9	7.3		
68	6.0	4.1	6.1		





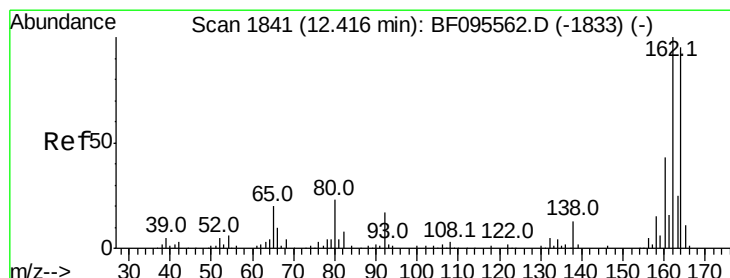
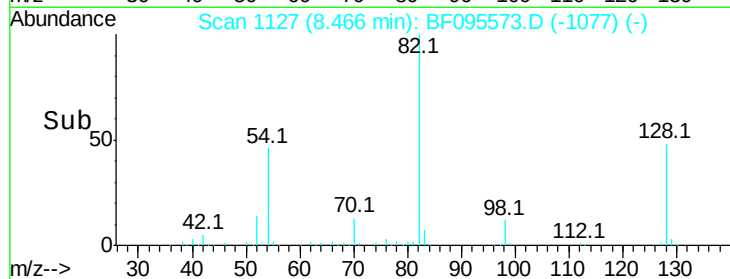
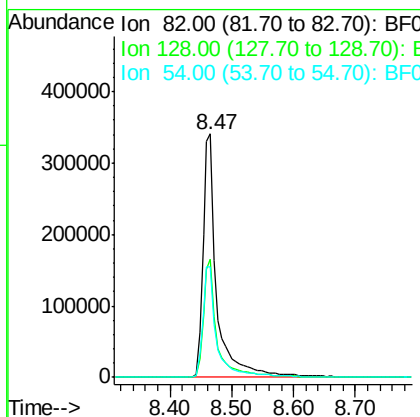
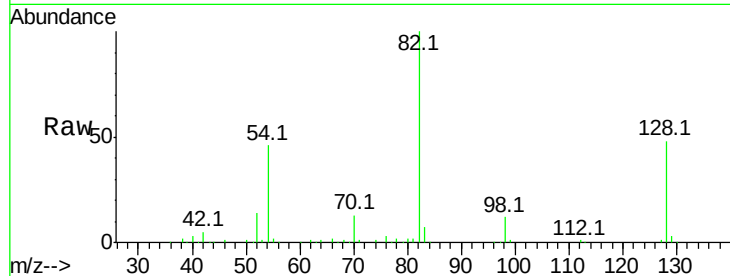
#23
 Nitrobenzene-d5
 Concen: 71.23 ng
 RT: 8.47 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF095573.D
 Acq: 31 May 2017 20:08

Instrument :
 BNA_F
 ClientSampled :
 B-8(0-3)

Tot Ion	82	Resp	537780
Ion Ratio	100	Lower	Upper
82	100		
128	48.4	34.0	51.0
54	45.5	42.2	63.2

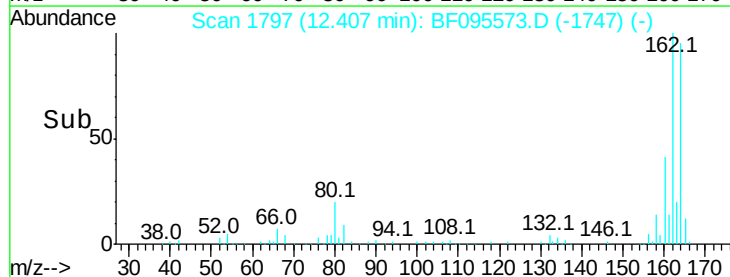
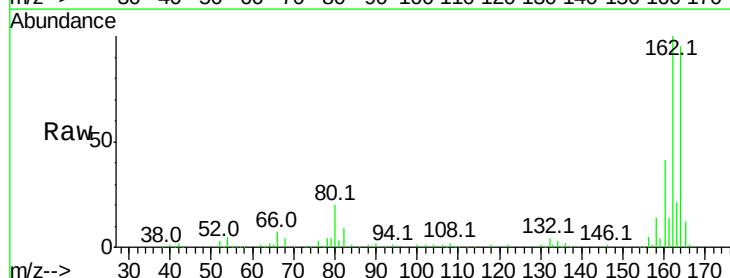
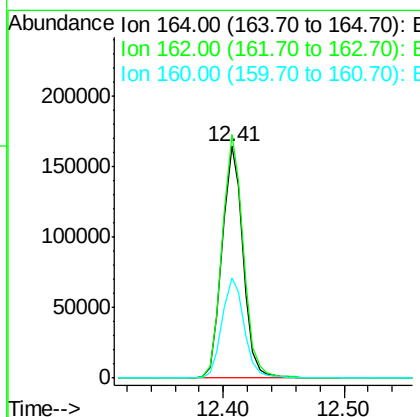
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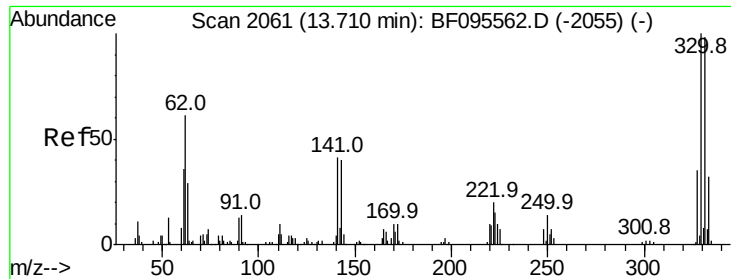
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.41 min Scan# 1797
 Delta R.T. -0.01 min
 Lab File: BF095573.D
 Acq: 31 May 2017 20:08

Tgt Ion	164	Resp	197776
Ion Ratio	100	Lower	Upper
164	100		
162	105.2	82.6	123.8
160	43.4	36.2	54.2





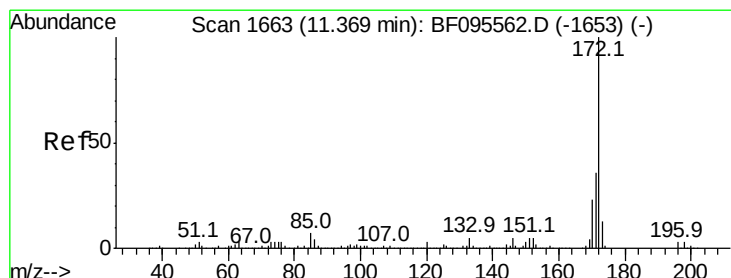
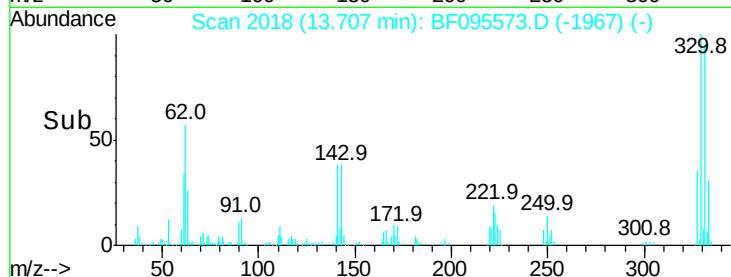
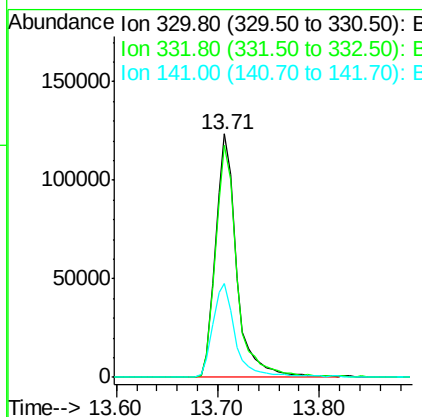
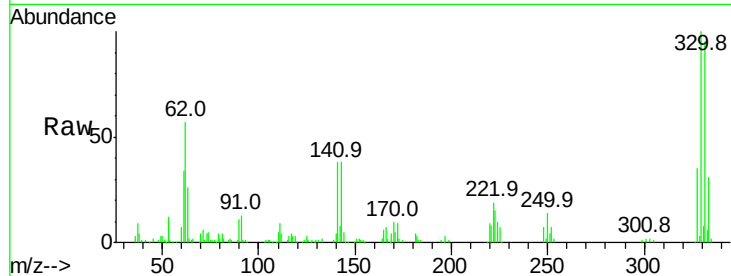
#41
 2,4,6-Tribromophenol
 Concen: 110.79 ng
 RT: 13.71 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: BF095573.D
 Acq: 31 May 2017 20:08

Instrument :
 BNA_F
 ClientSampleId :
 B-8(0-3)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	179447		
332	97.2	76.6	115.0	
141	41.0	31.4	47.2	

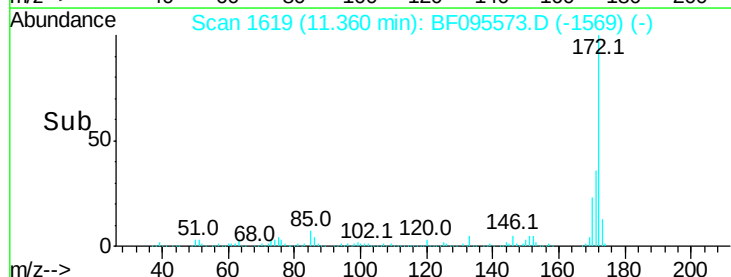
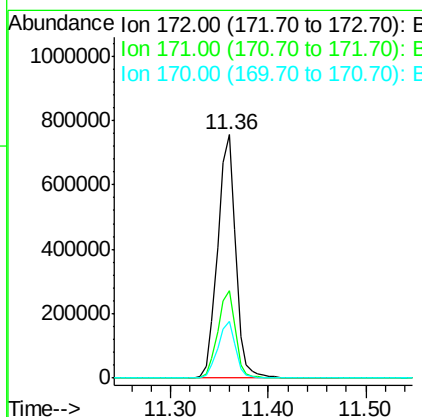
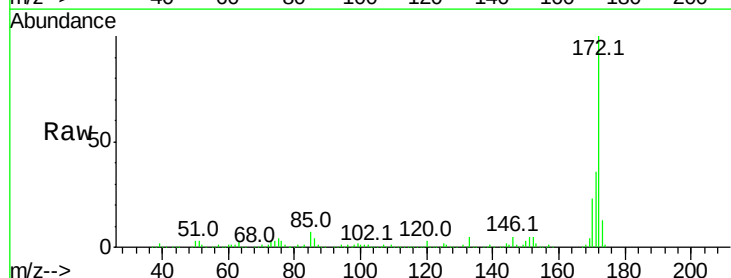
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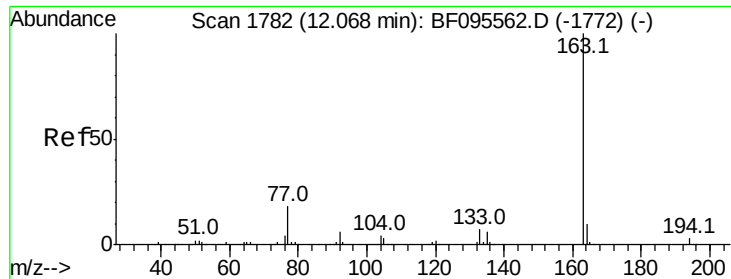
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#44
 2-Fluorobiphenyl
 Concen: 70.60 ng
 RT: 11.36 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF095573.D
 Acq: 31 May 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	970149		
171	35.9	29.6	44.4	
170	23.4	19.8	29.8	





#49

Dimethylphthalate

Concen: 11.33 ng

RT: 12.05 min Scan# 1736

Delta R.T. -0.02 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

Instrument :

BNA_F

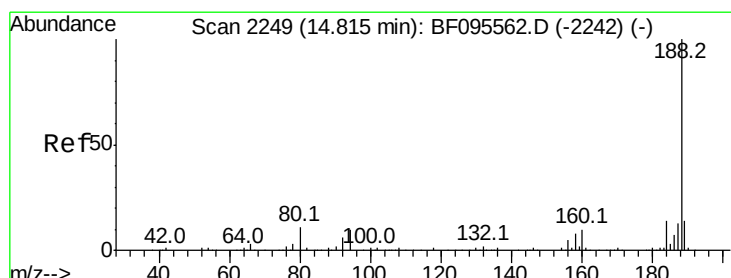
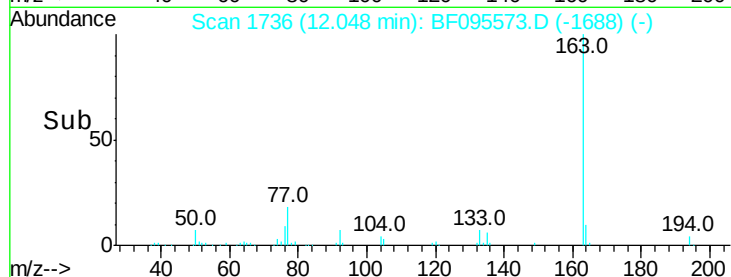
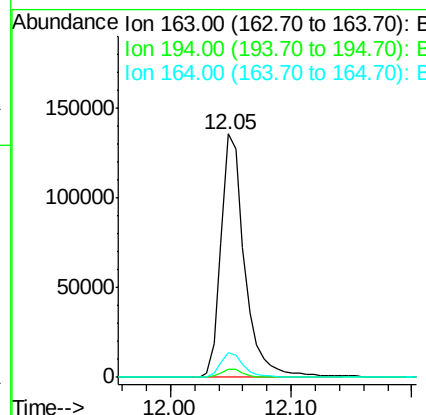
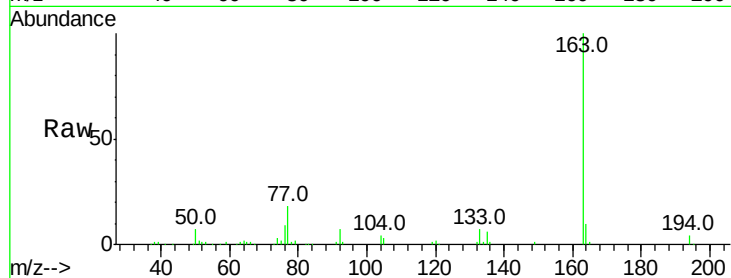
ClientSampleId :

B-8(0-3)

Tot Ion:	163	Resp:	183912
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.6	4.0
164	9.9	8.4	12.6

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#63

Phenanthrene-d10

Concen: 20.00 ng

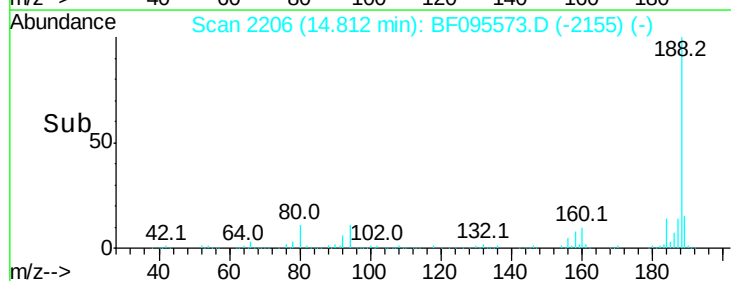
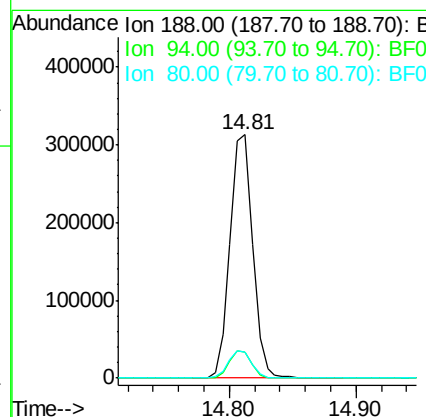
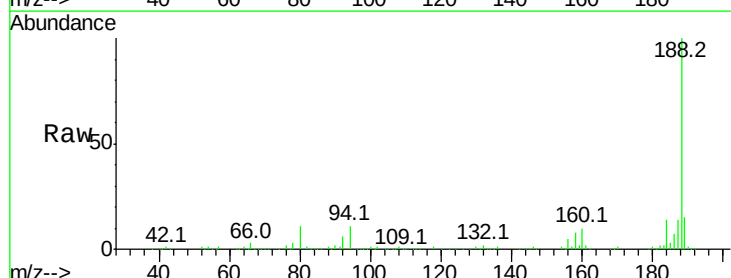
RT: 14.81 min Scan# 2206

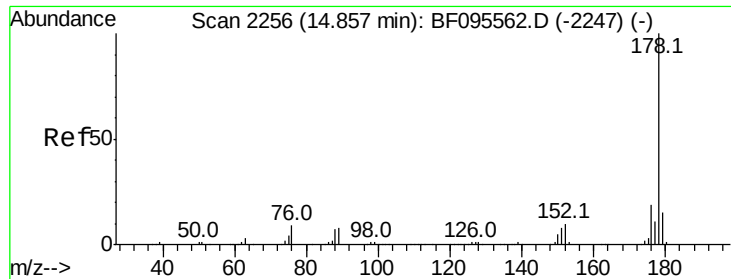
Delta R.T. -0.00 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

Tgt Ion:	188	Resp:	387556
Ion Ratio	Lower	Upper	
188	100		
94	10.9	9.4	14.2
80	10.7	10.2	15.2





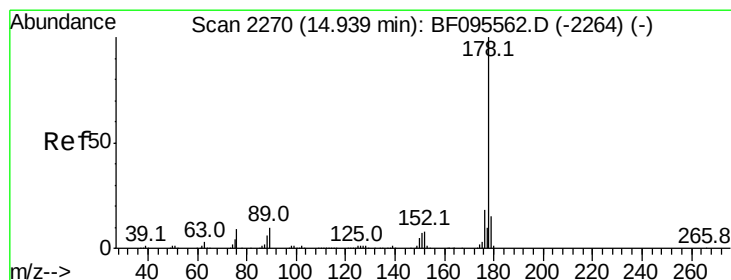
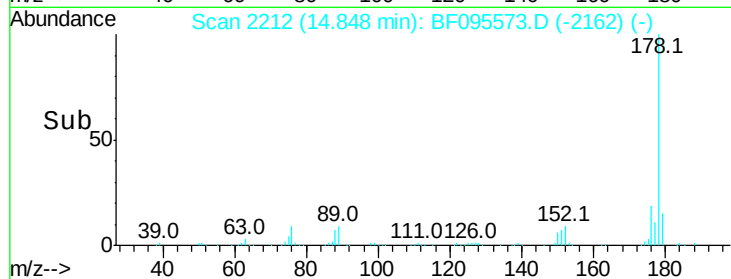
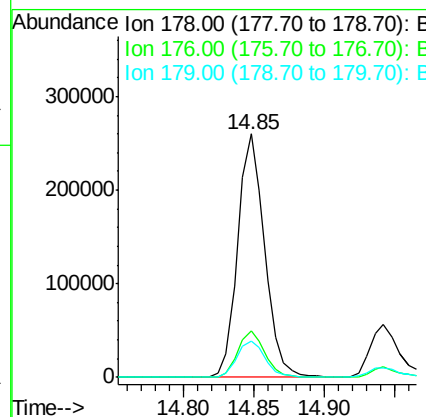
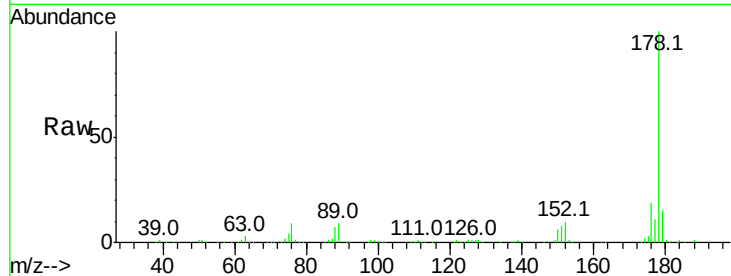
#70
Phenanthrene
Concen: 15.50 ng
RT: 14.85 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Instrument :
BNA_F
ClientSampleId :
B-8(0-3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	15.0	12.6	19.0

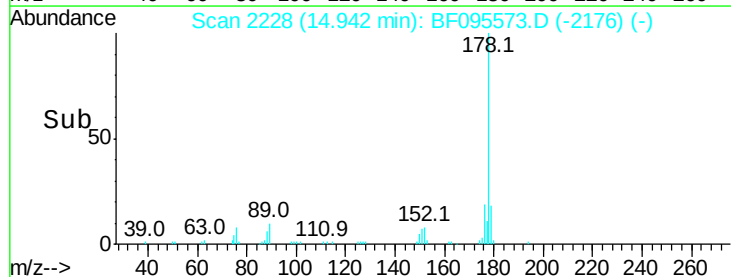
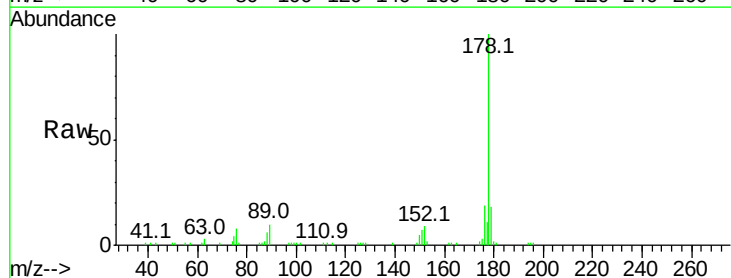
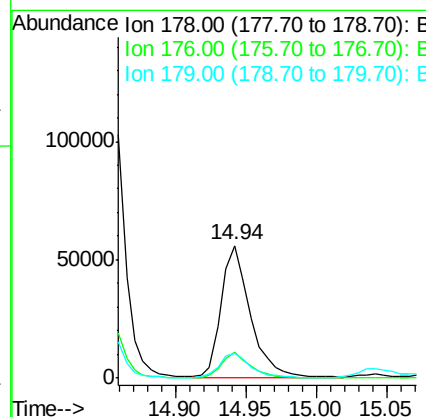
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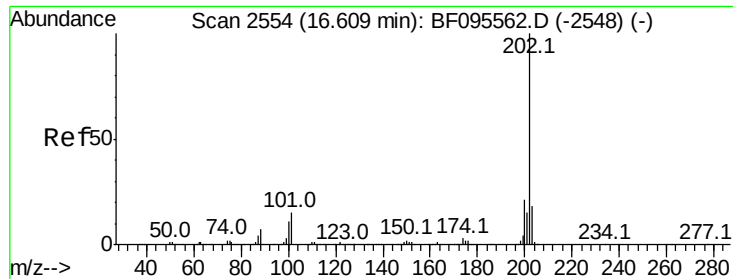
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#71
Anthracene
Concen: 3.51 ng
RT: 14.94 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	18.5	12.7	19.1





#74

Fluoranthene

Concen: 18.10 ng

RT: 16.61 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

Instrument :

BNA_F

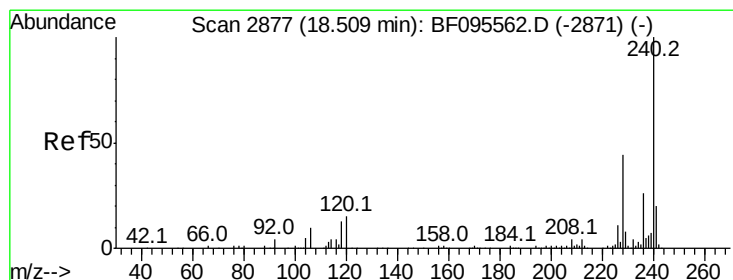
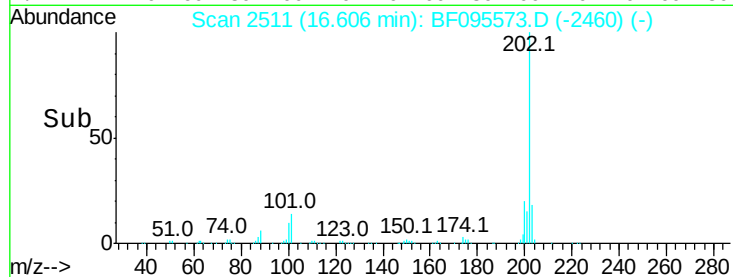
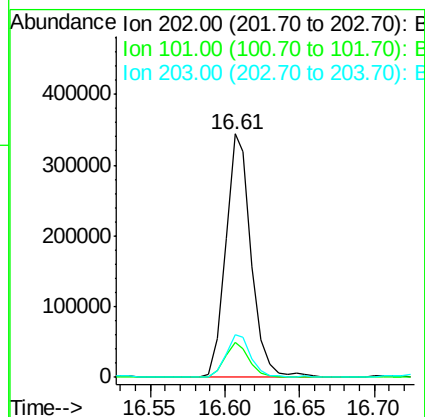
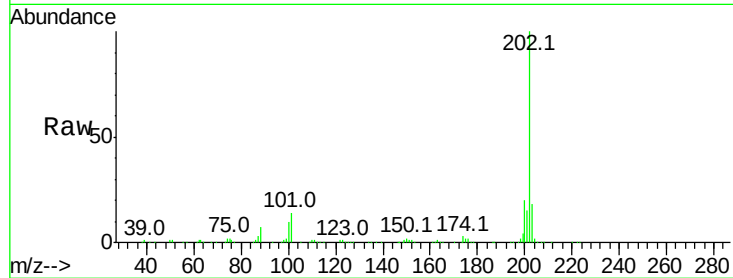
ClientSampleId :

B-8(0-3)

Tot Ion:	202	Resp:	413494
Ion Ratio		Lower	Upper
202	100		
101	14.5	0.0	33.2
203	17.6	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

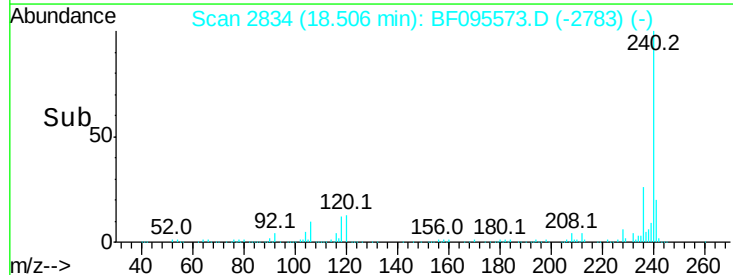
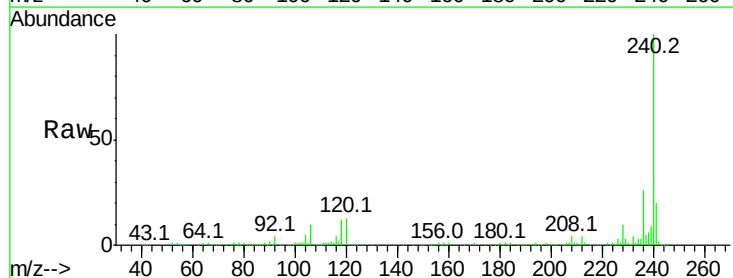
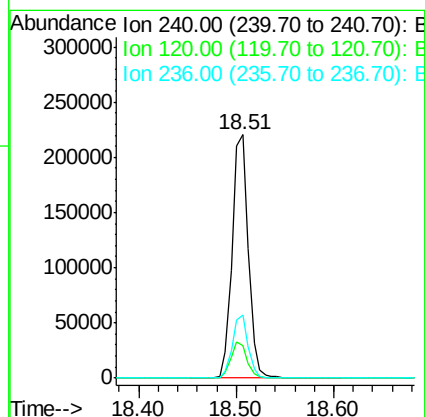
RT: 18.51 min Scan# 2834

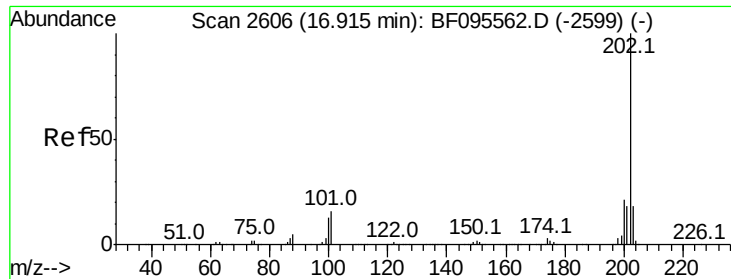
Delta R.T. -0.00 min

Lab File: BF095573.D

Acq: 31 May 2017 20:08

Tgt Ion:	240	Resp:	254573
Ion Ratio		Lower	Upper
240	100		
120	13.3	5.8	8.8#
236	26.0	20.5	30.7





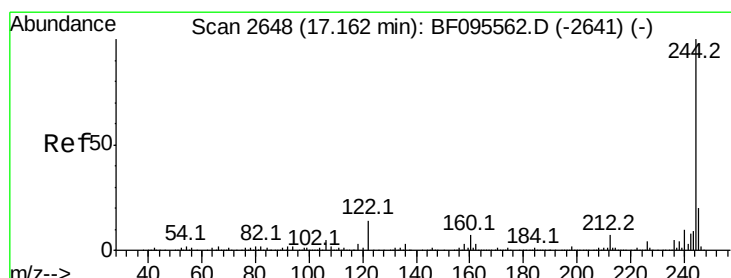
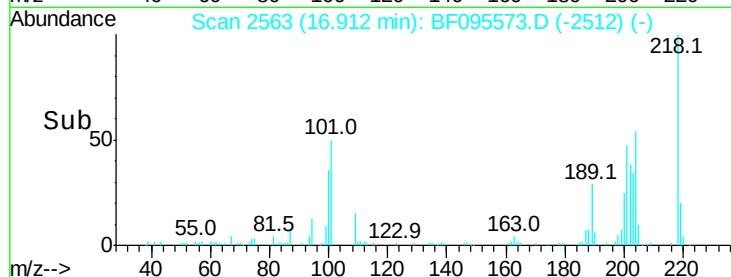
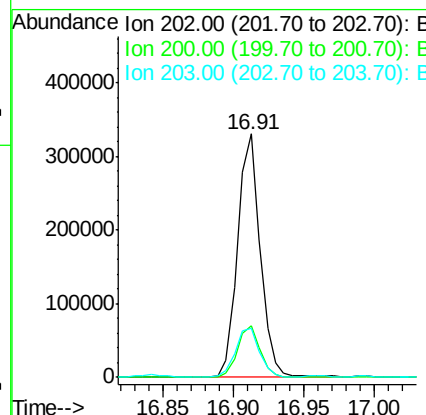
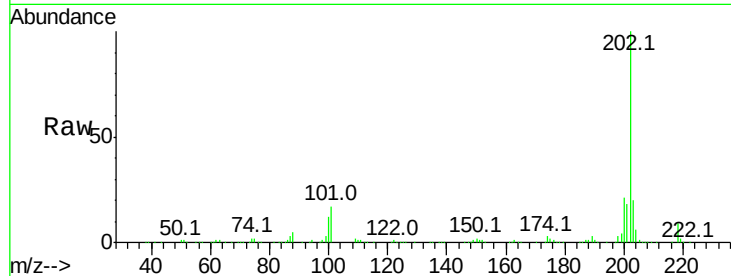
#77
Pvrene
Concen: 19.32 ng
RT: 16.91 min Scan# 2563
Delta R.T. -0.00 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Instrument :
BNA_F
ClientSampled :
B-8(0-3)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	367795		
200	21.2		17.6	26.4
203	20.4		14.4	21.6

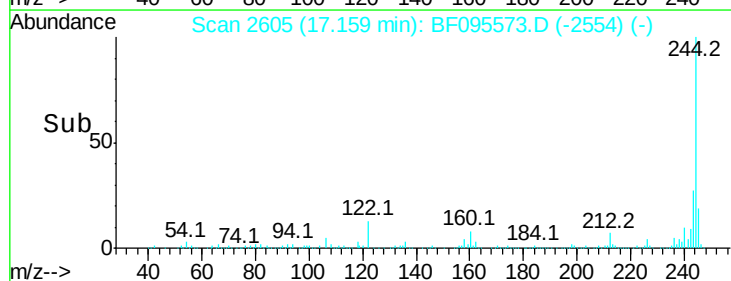
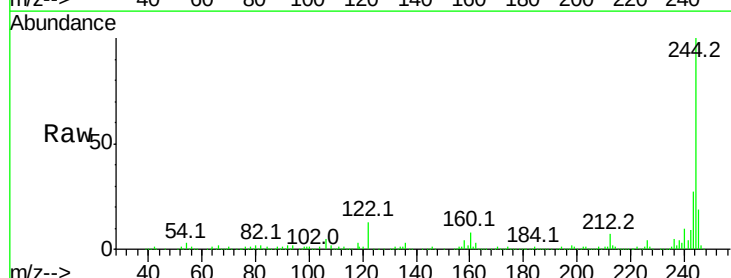
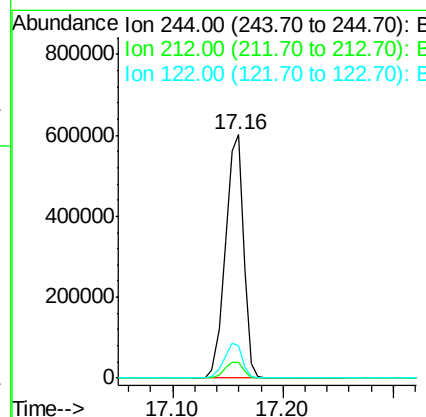
Manual Integrations
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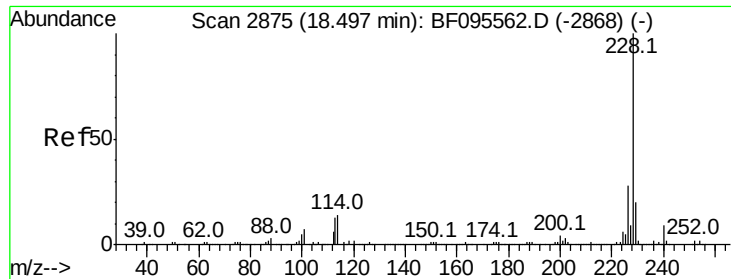
mohammad
6/1/2017 2:20:11 PM



#78
Terphenyl-d14
Concen: 59.93 ng
RT: 17.16 min Scan# 2605
Delta R.T. -0.00 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	692704		
212	6.6		6.0	9.0
122	13.3		10.3	15.5





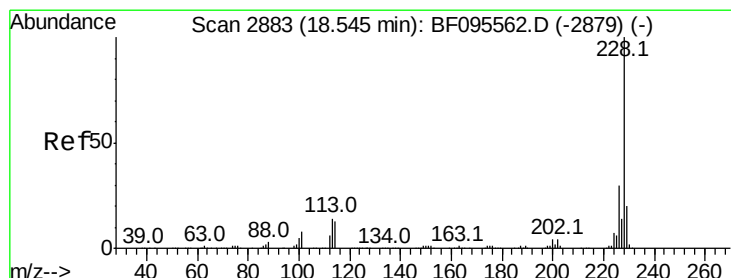
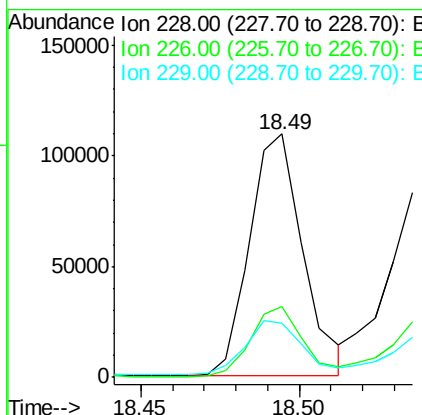
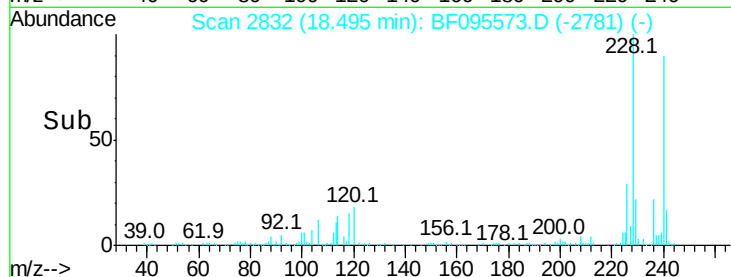
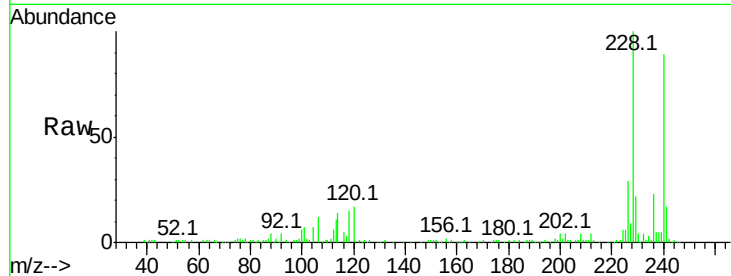
#80
Benzo(a)anthracene
Concen: 8.65 ng
RT: 18.49 min Scan# 2832
Delta R.T. -0.00 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Instrument :
BNA_F
ClientSampleId :
B-8(0-3)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	22.5	16.3	24.5

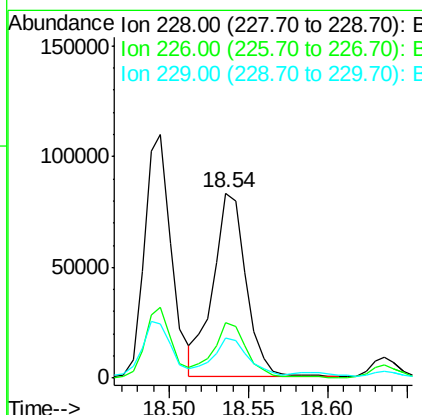
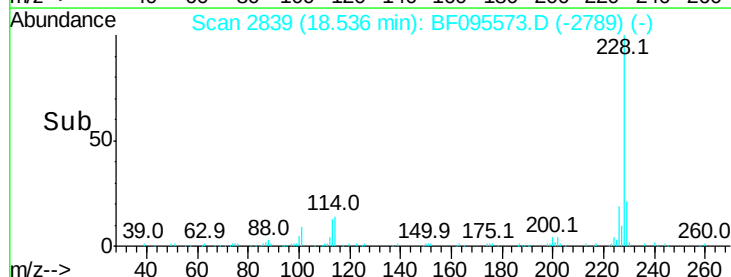
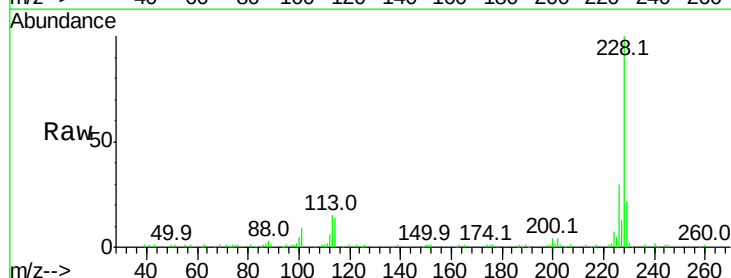
Manual Integrations
APPROVED

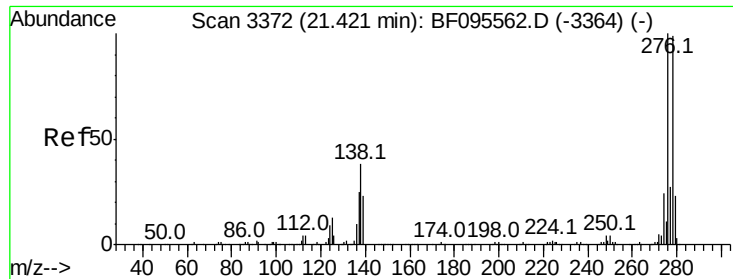
mohammad
6/1/2017 2:20:11 PM



#82
Chrysene
Concen: 8.44 ng
RT: 18.54 min Scan# 2839
Delta R.T. -0.01 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	21.7	15.8	23.6





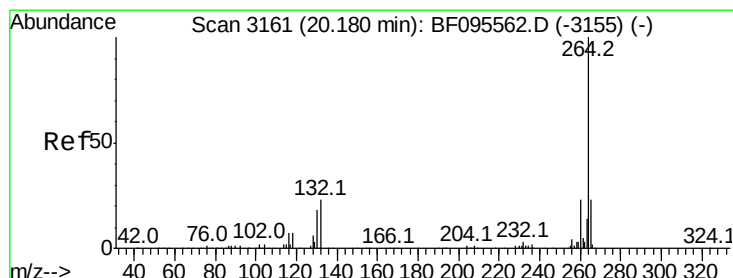
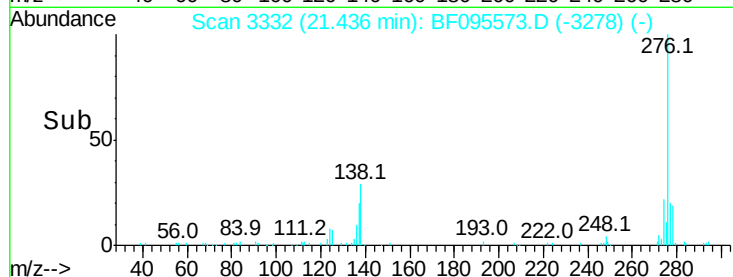
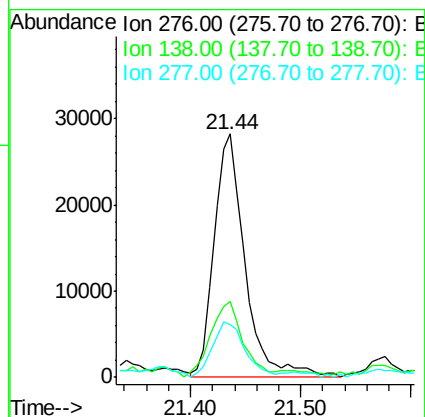
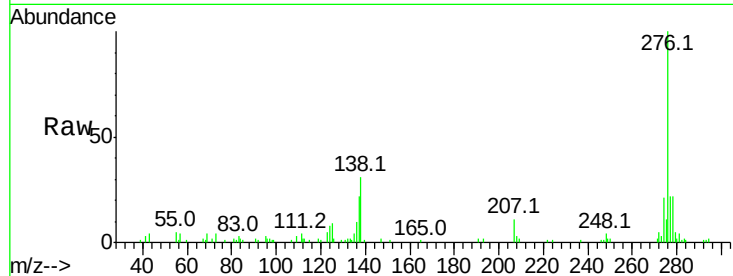
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.70 ng
RT: 21.44 min Scan# 3332
Delta R.T. 0.01 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Instrument :
BNA_F
ClientSampleId :
B-8(0-3)

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.8	27.8	41.6
277	24.2	20.2	30.4

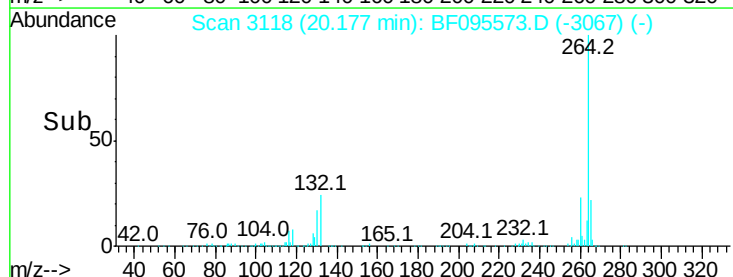
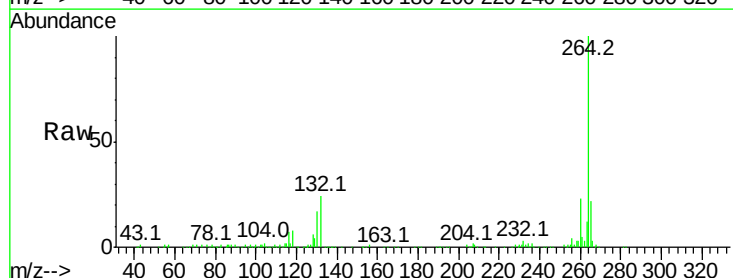
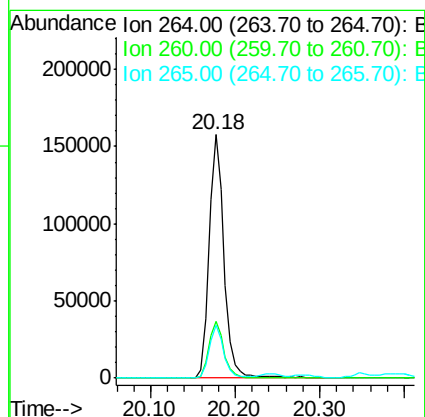
Manual Integrations
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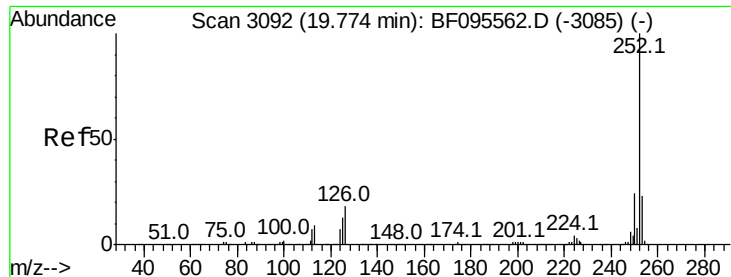
mohammad
6/1/2017 2:20:11 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.18 min Scan# 3118
Delta R.T. -0.00 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.7	17.2	25.8





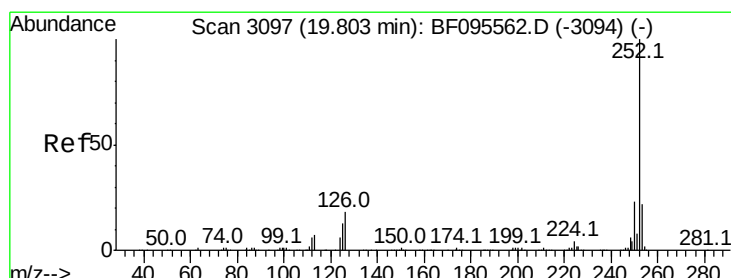
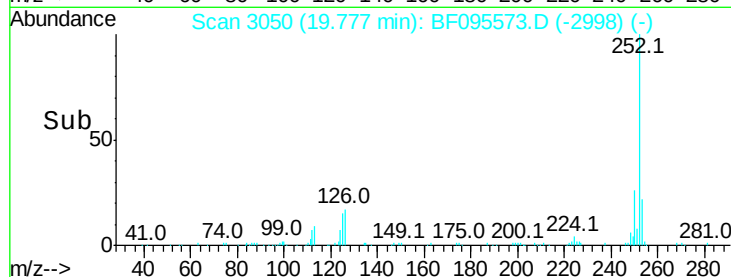
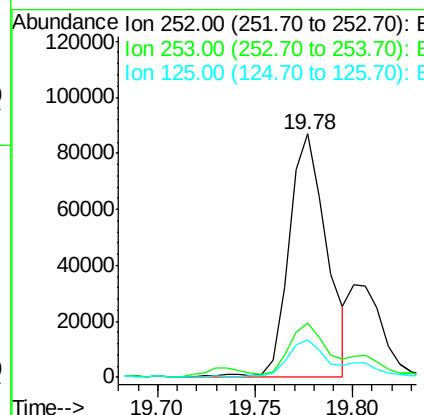
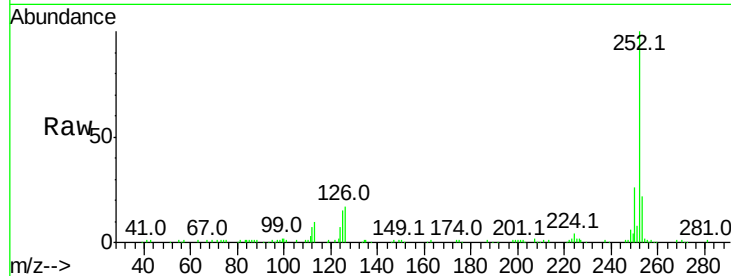
#87
Benzo(b)fluoranthene
Concen: 9.72 ng
RT: 19.78 min Scan# 3050
Delta R.T. 0.00 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Instrument :
BNA_F
ClientSampleId :
B-8(0-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	15.4	9.8	14.8

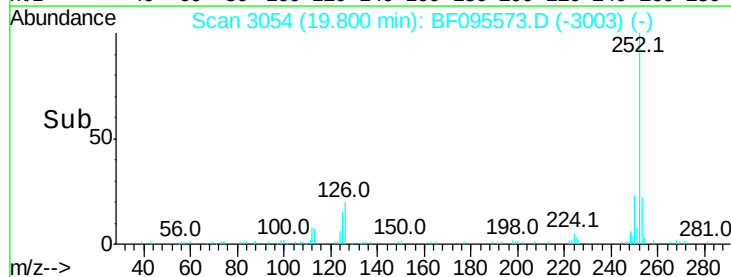
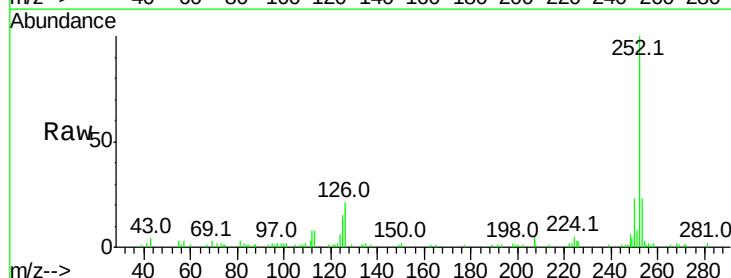
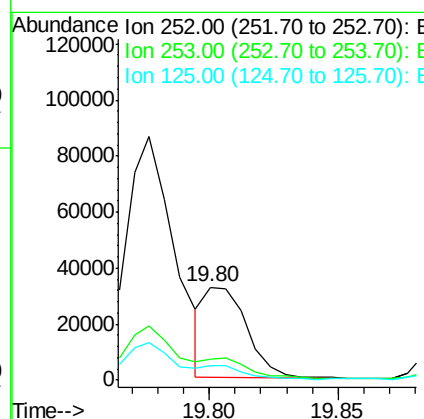
Manual Integrations
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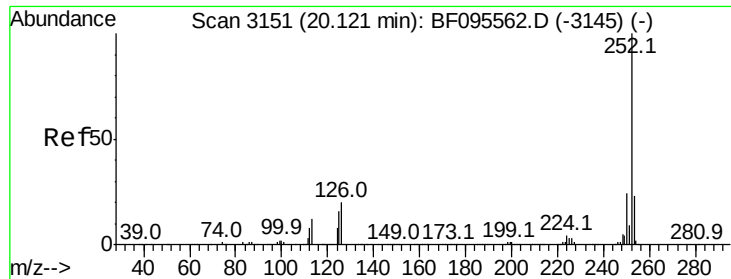
mohammad
6/1/2017 2:20:11 PM



#88
Benzo(k)fluoranthene
Concen: 3.18 ng m
RT: 19.80 min Scan# 3054
Delta R.T. -0.00 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	15.0	13.1	19.7





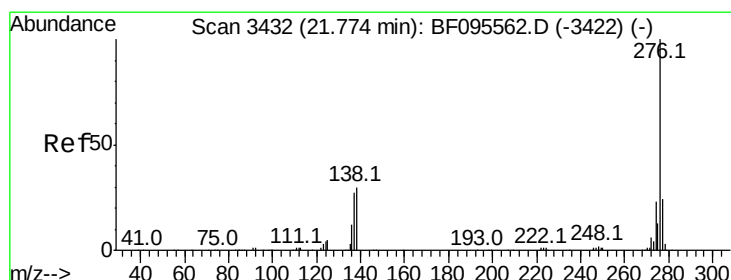
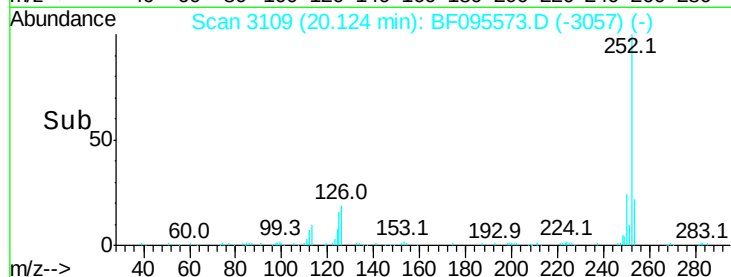
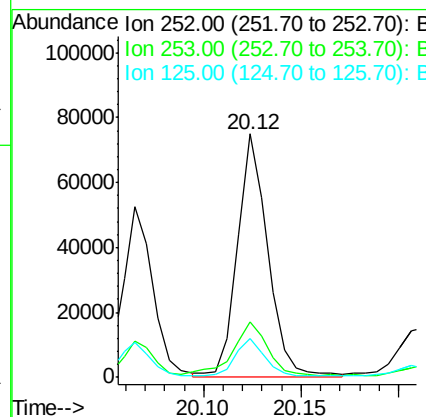
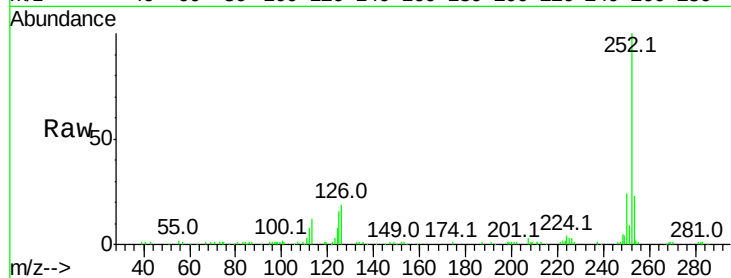
#89
Benzo(a)pyrene
Concen: 7.27 ng
RT: 20.12 min Scan# 3109
Delta R.T. 0.00 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Instrument :
BNA_F
ClientSampled :
B-8(0-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	15.9	11.0	16.4

Manual Integrations
APPROVED

mohammad
6/1/2017 2:20:11 PM



#91
Benzo(g,h,i)perylene
Concen: 5.77 ng
RT: 21.79 min Scan# 3393
Delta R.T. 0.02 min
Lab File: BF095573.D
Acq: 31 May 2017 20:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	28.6	25.4	38.0

