

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095527.D
 Acq On : 28 May 2017 9:19
 Operator : SJ/MA
 Sample : I3339-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q3-WSW

Manual Integrations
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Quant Time: May 29 04:34:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	91649	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	350122	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	141622	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	202803	20.00	ng	0.00
75) Chrysene-d12	18.67	240	199133	20.00	ng	0.00
86) Perylene-d12	20.35	264	144063	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	599324	109.02	ng	0.00
7) Phenol-d6	7.28	99	711656	107.90	ng	-0.01
23) Nitrobenzene-d5	8.64	82	396927	71.49	ng	-0.01
41) 2,4,6-Tribromophenol	13.90	330	104659	90.24	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	735396	74.74	ng	0.00
78) Terphenyl-d14	17.31	244	420047	46.46	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	12.24	163	268988	23.14	ng	99
70) Phenanthrene	15.04	178	101220	8.69	ng	95
74) Fluoranthene	16.78	202	196531	16.44	ng	98
77) Pyrene	17.08	202	192905	12.95	ng	97
80) Benzo(a)anthracene	18.66	228	100693m	8.69	ng	
82) Chrysene	18.71	228	107183	9.56	ng	98
85) Indeno(1,2,3-cd)pyrene	21.71	276	34635	3.81	ng	94
87) Benzo(b)fluoranthene	19.95	252	99583m	11.19	ng	
88) Benzo(k)fluoranthene	19.98	252	36808m	4.29	ng	
89) Benzo(a)pyrene	20.30	252	69597	8.47	ng	# 93
91) Benzo(g,h,i)perylene	22.09	276	37906	5.69	ng	100

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

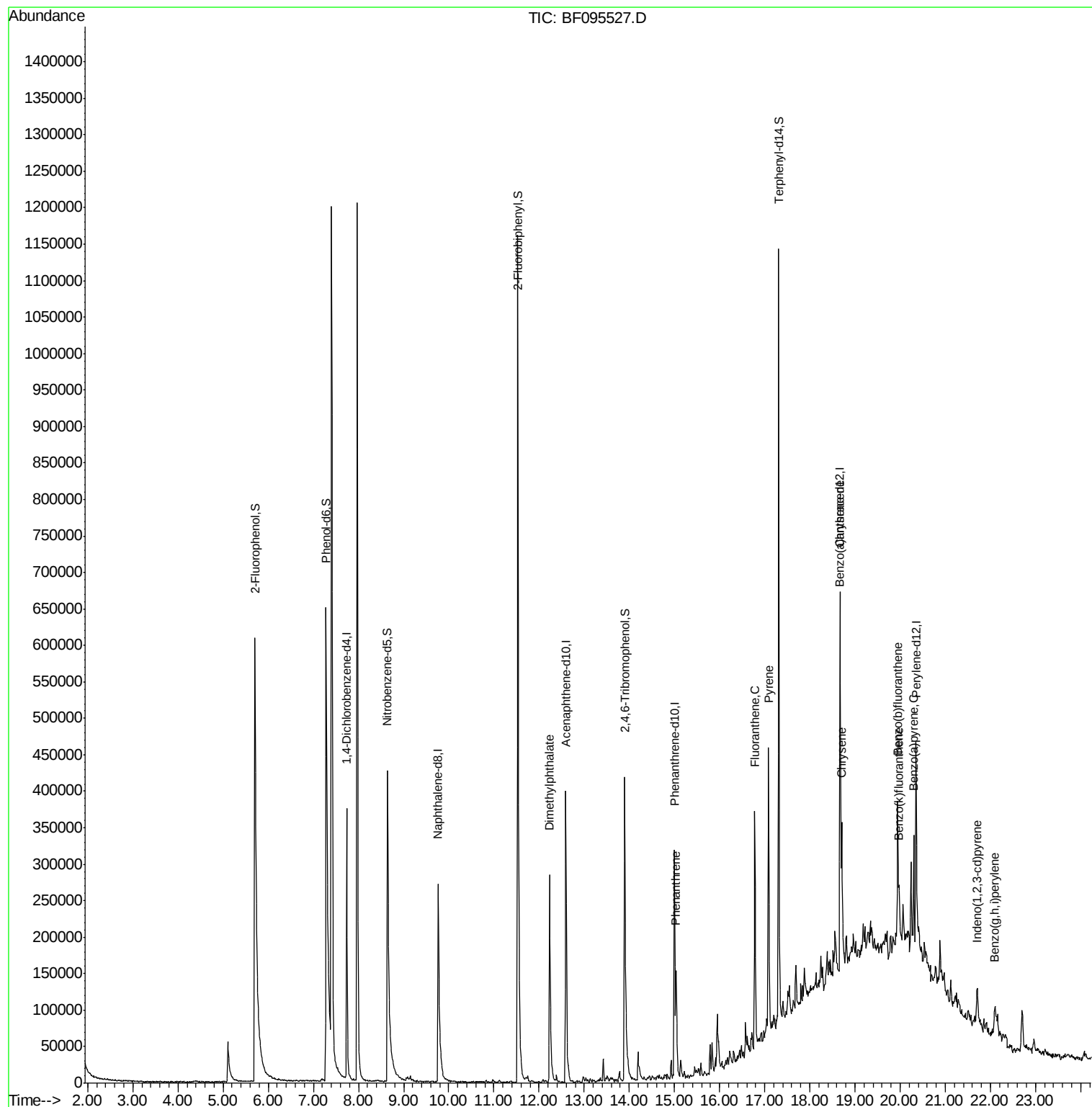
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
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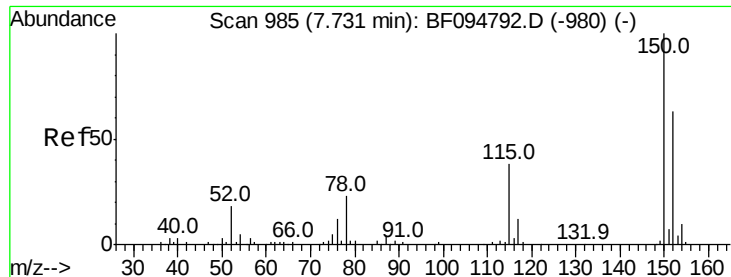
Instrument :
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#1

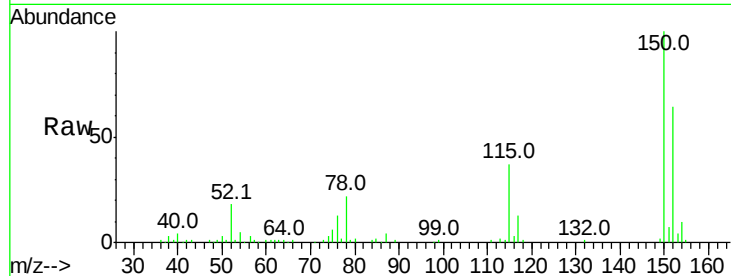
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095527.D
Acq: 28 May 2017 9:19

Instrument :
BNA_F
ClientSampleId :
E2-Q3-WSW

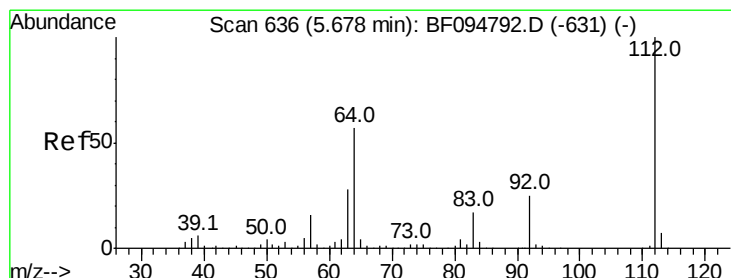
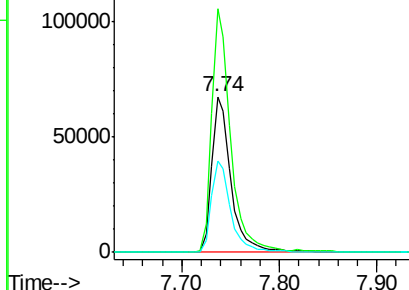
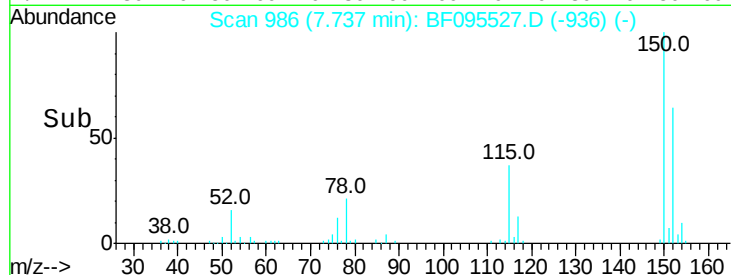
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.2	189.2
115	58.7	52.2	78.2

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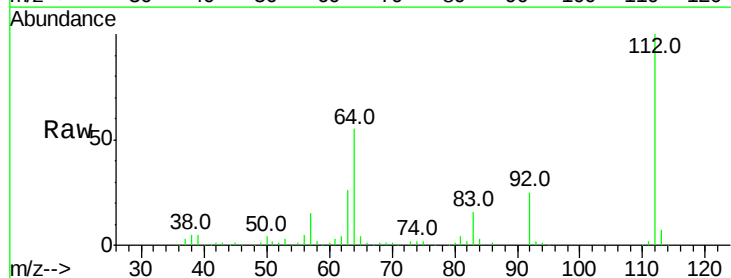
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



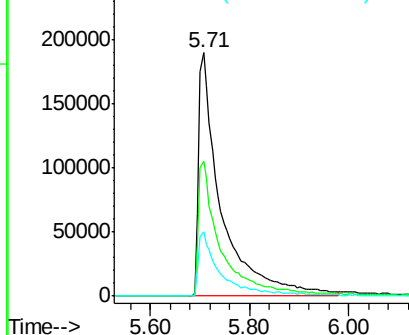
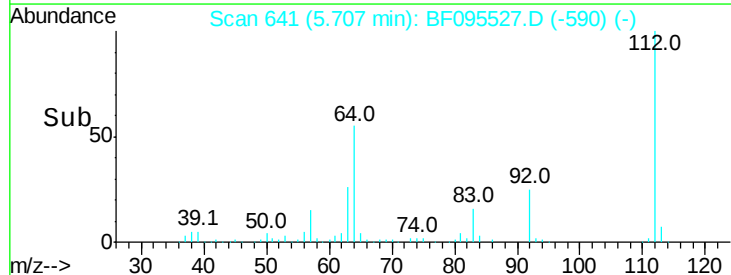
#5

2-Fluorophenol
Concen: 109.02 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF095527.D
Acq: 28 May 2017 9:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	46.0	69.0
63	26.4	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: 107.90 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095527.D

Acq: 28 May 2017 9:19

Instrument :

BNA_F

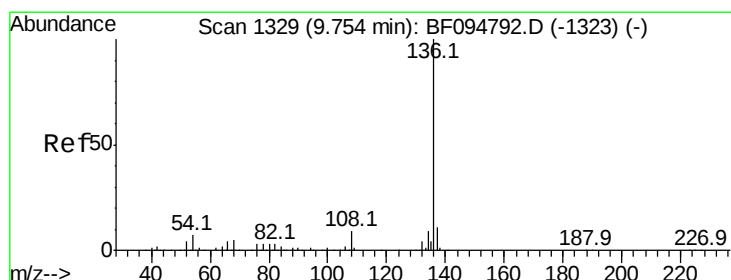
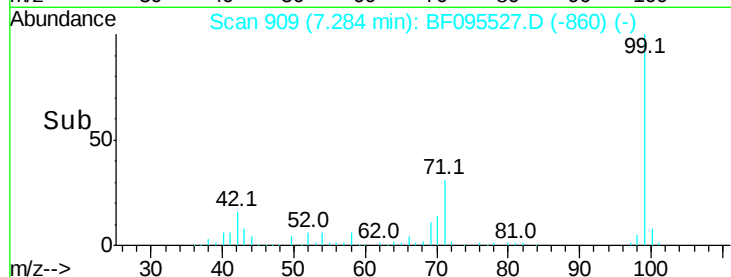
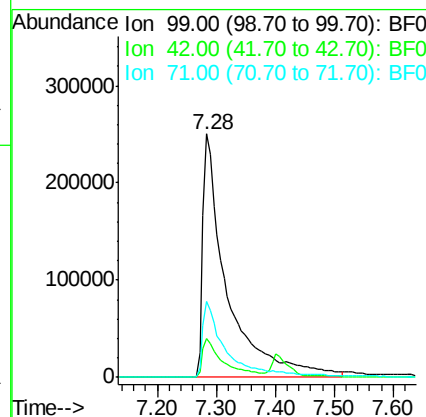
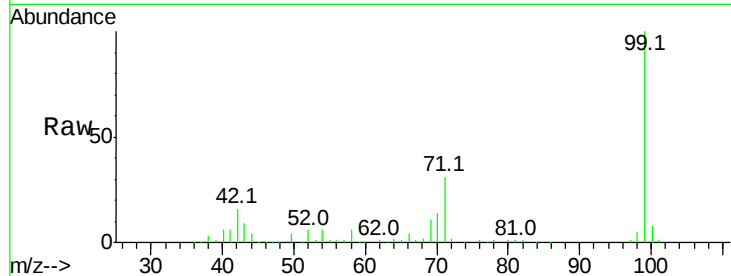
ClientSampleId :

E2-Q3-WSW

Tot Ion:	99	Resp:	711656
Ion Ratio	Lower	Upper	
99	100		
42	15.7	13.5	20.3
71	31.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

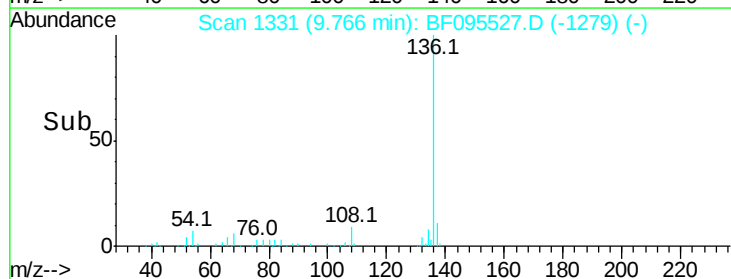
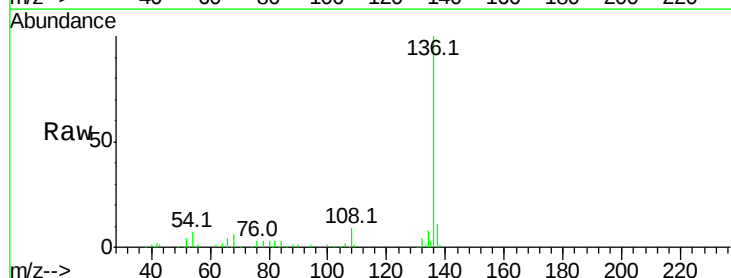
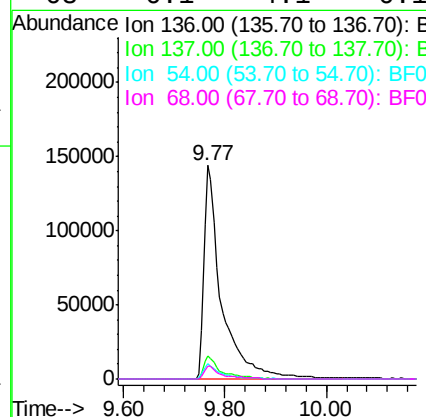
RT: 9.77 min Scan# 1331

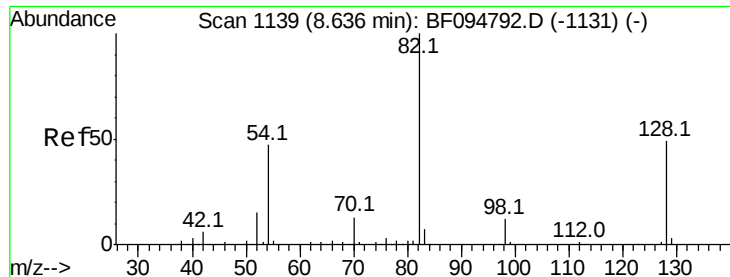
Delta R.T. 0.01 min

Lab File: BF095527.D

Acq: 28 May 2017 9:19

Tgt Ion:	136	Resp:	350122
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	7.0	4.9	7.3
68	6.1	4.1	6.1





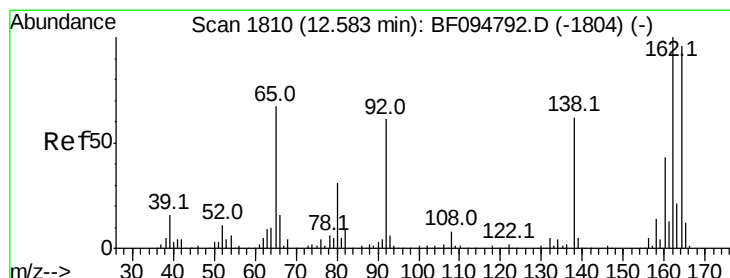
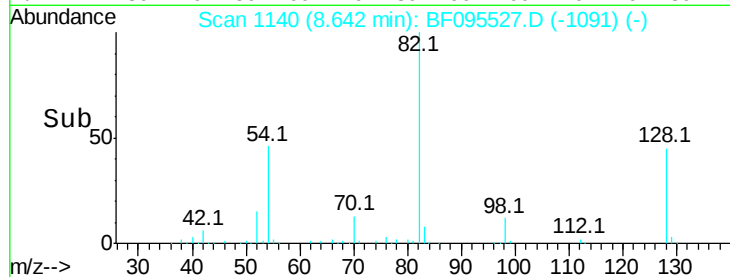
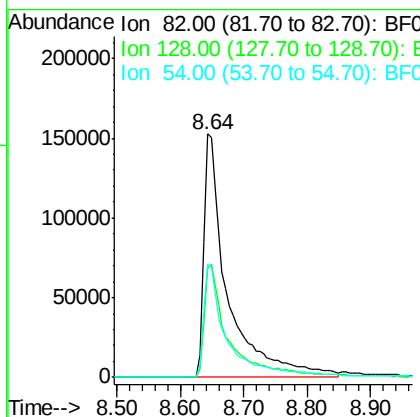
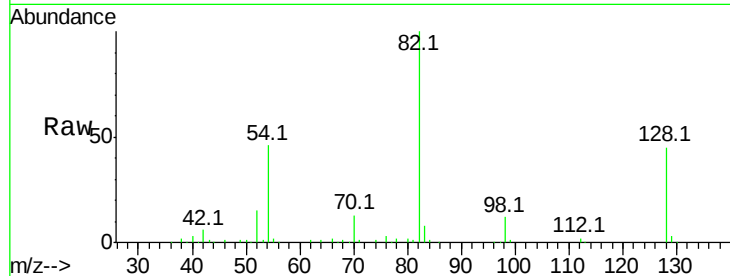
#23
 Nitrobenzene-d5
 Concen: 71.49 ng
 RT: 8.64 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF095527.D
 Acq: 28 May 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q3-WSW

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.0	34.0	51.0	
54	46.5	42.2	63.2	

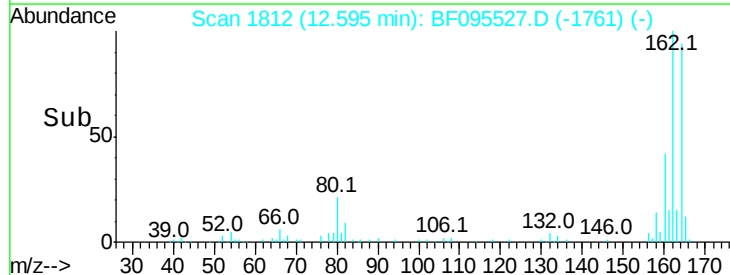
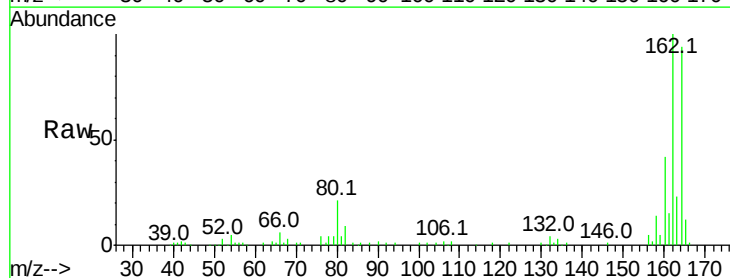
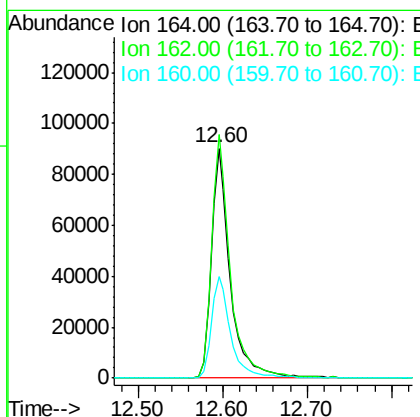
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.60 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: BF095527.D
 Acq: 28 May 2017 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.0	82.6	123.8	
160	44.5	36.2	54.2	





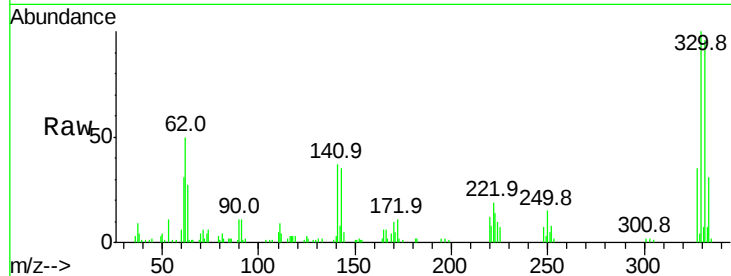
#41
 2,4,6-Tribromophenol
 Concen: 90.24 ng
 RT: 13.90 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF095527.D
 Acq: 28 May 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q3-WSW

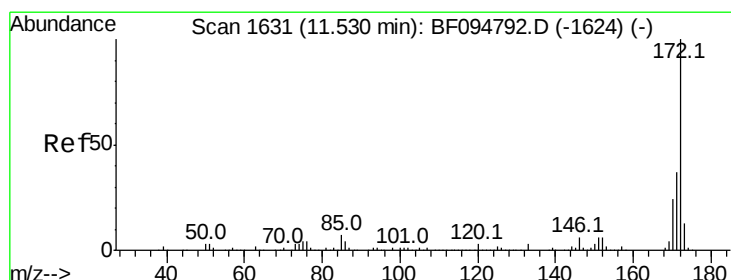
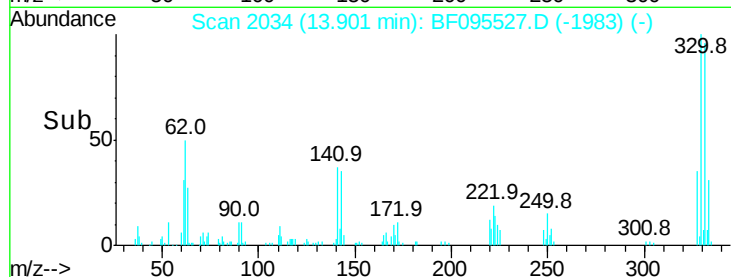
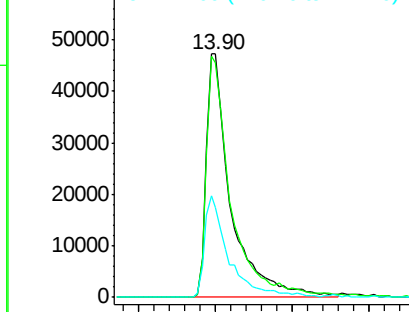
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.2	76.6	115.0	
141	41.1	31.4	47.2	

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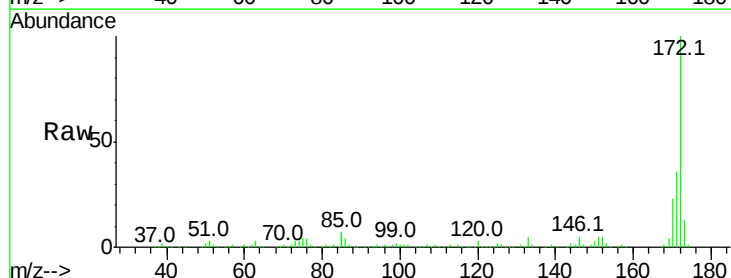


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

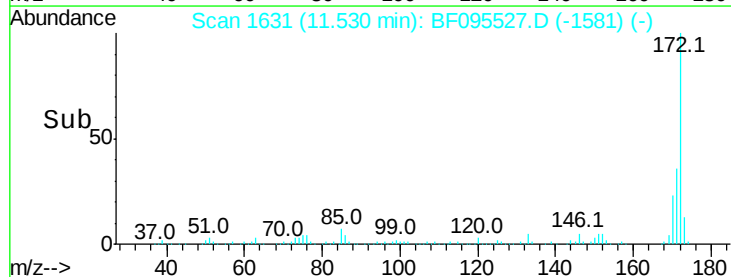
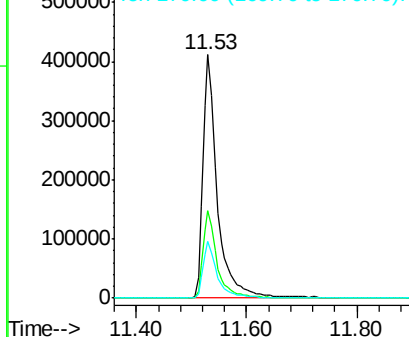


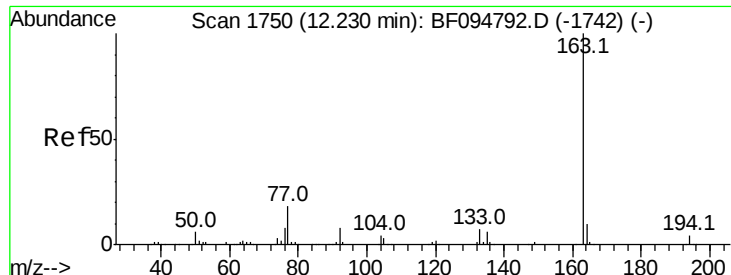
#44
 2-Fluorobiphenyl
 Concen: 74.74 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095527.D
 Acq: 28 May 2017 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.6	44.4	
170	23.3	19.8	29.8	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 23.14 ng

RT: 12.24 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF095527.D

Acq: 28 May 2017 9:19

Instrument :

BNA_F

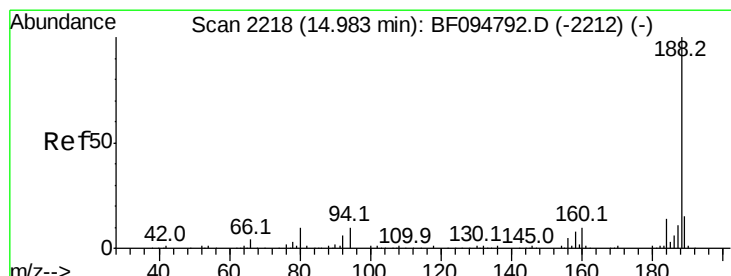
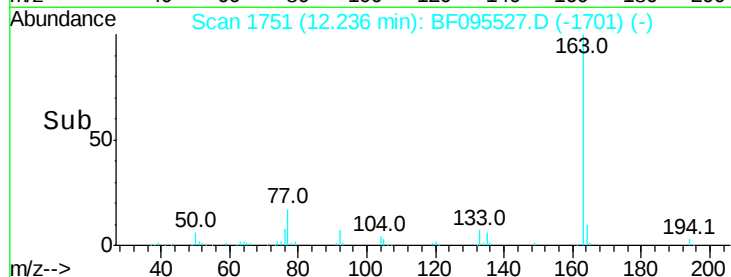
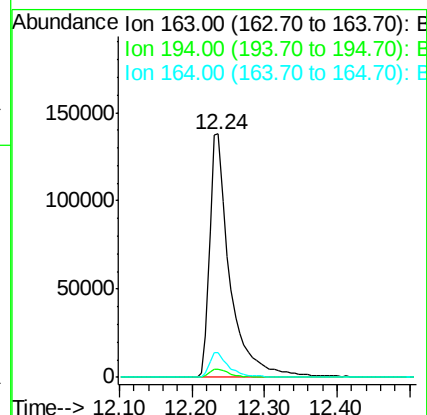
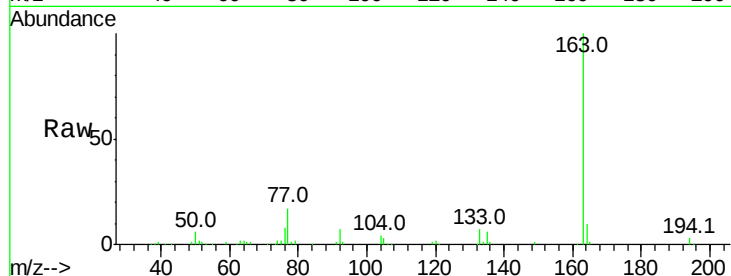
ClientSampleId :

E2-Q3-WSW

Tot Ion:	163	Resp:	268988
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.6	4.0
164	10.1	8.4	12.6

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#63

Phenanthrene-d10

Concen: 20.00 ng

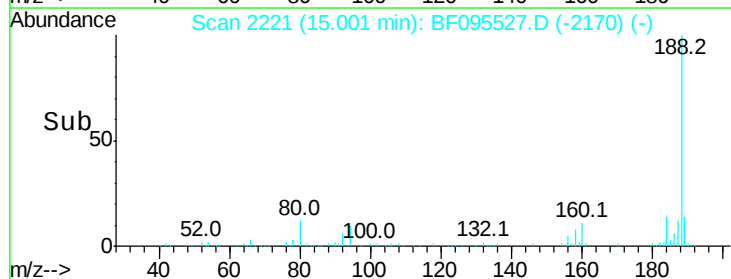
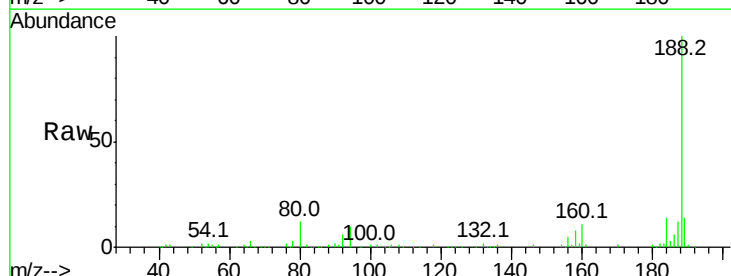
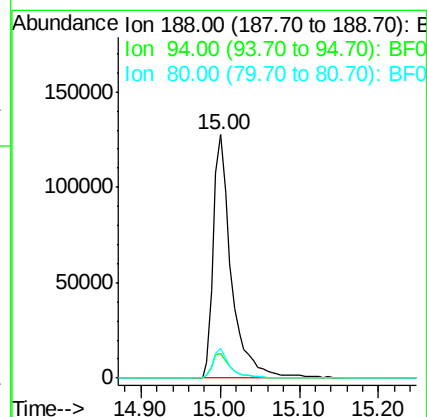
RT: 15.00 min Scan# 2221

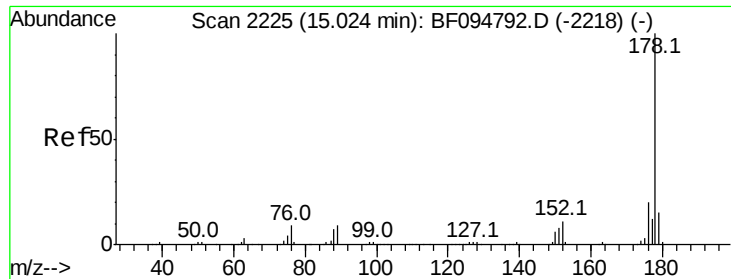
Delta R.T. 0.00 min

Lab File: BF095527.D

Acq: 28 May 2017 9:19

Tgt Ion:	188	Resp:	202803
Ion Ratio	Lower	Upper	
188	100		
94	10.0	9.4	14.2
80	12.1	10.2	15.2





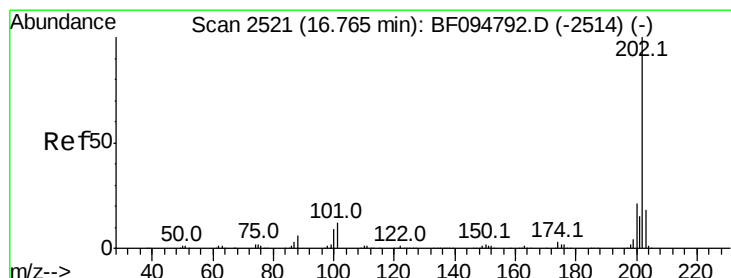
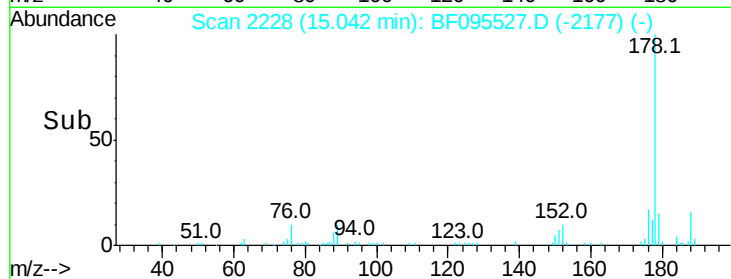
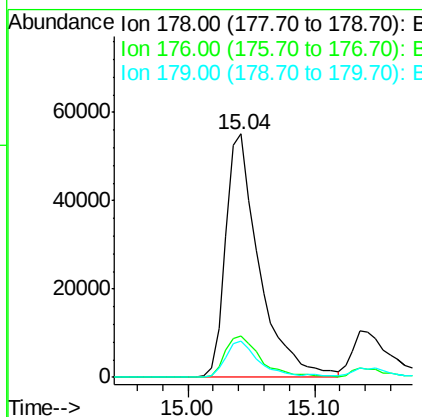
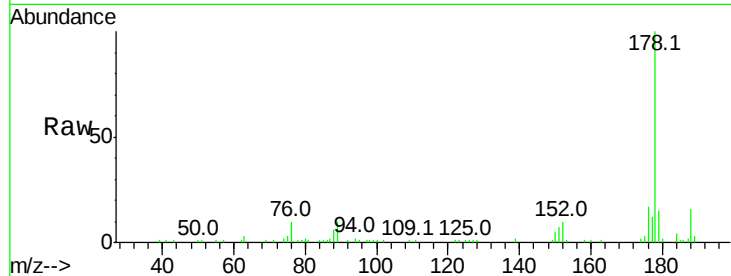
#70
Phenanthrene
Concen: 8.69 ng
RT: 15.04 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BF095527.D
Acq: 28 May 2017 9:19

Instrument :
BNA_F
ClientSampleId :
E2-Q3-WSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.0	16.2	24.4
179	14.6	12.6	19.0

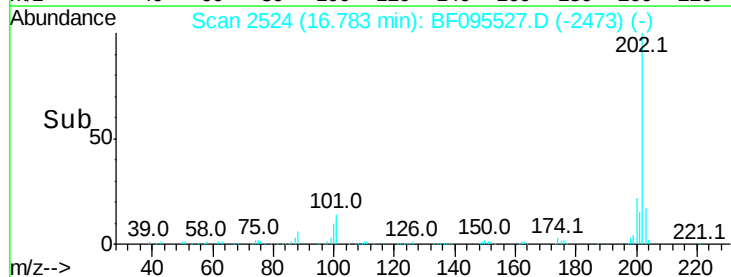
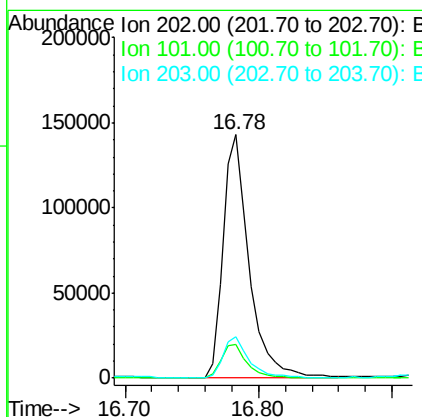
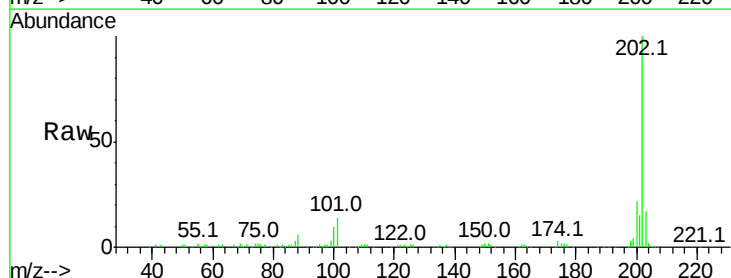
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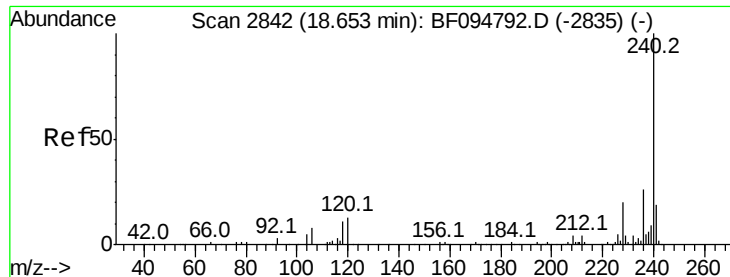
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#74
Fluoranthene
Concen: 16.44 ng
RT: 16.78 min Scan# 2524
Delta R.T. 0.00 min
Lab File: BF095527.D
Acq: 28 May 2017 9:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	16.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095527.D

Acq: 28 May 2017 9:19

Instrument :

BNA_F

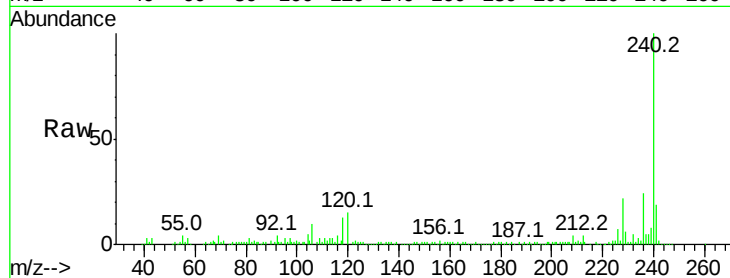
ClientSampleId :

E2-Q3-WSW

Tot Ion	Ratio	Resp	Lower	Upper
240	100	199133		
120	15.3	5.8	8.8#	
236	24.5	20.5	30.7	

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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

18.67

150000

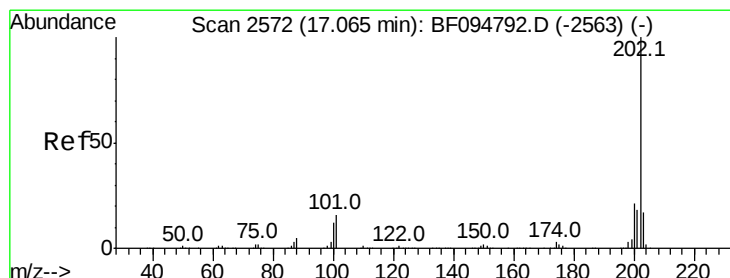
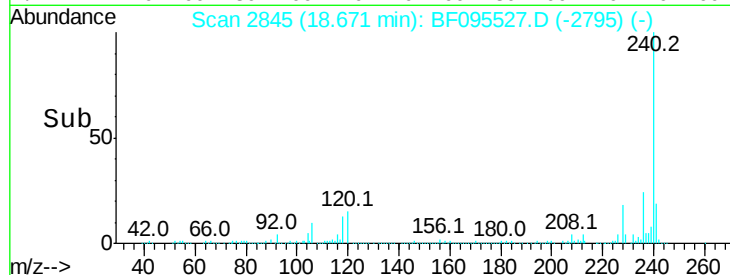
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50000

0

18.60 18.70 18.80

Time-->



#77

Pyrene

Concen: 12.95 ng

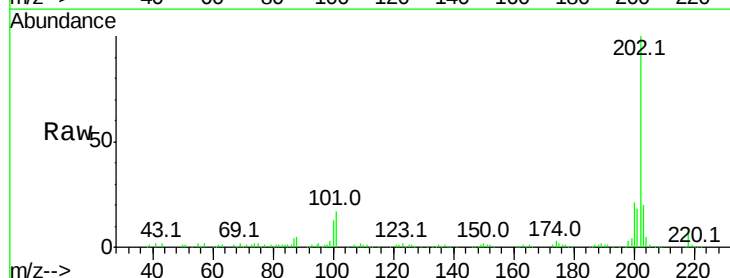
RT: 17.08 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF095527.D

Acq: 28 May 2017 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	192905		
200	21.4	17.6	26.4	
203	20.4	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

17.08

200000

150000

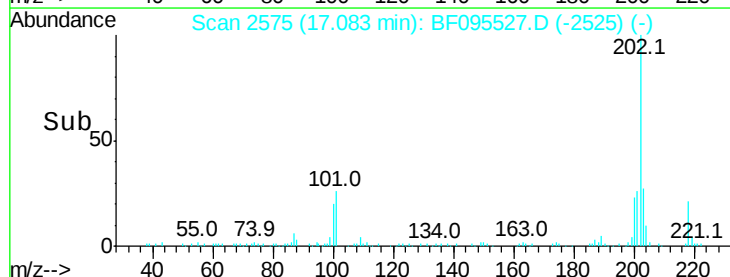
100000

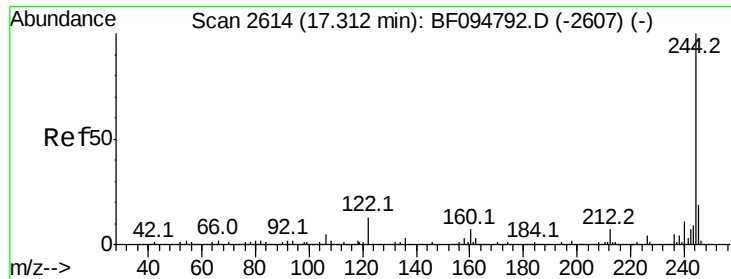
50000

0

17.00 17.10 17.20

Time-->





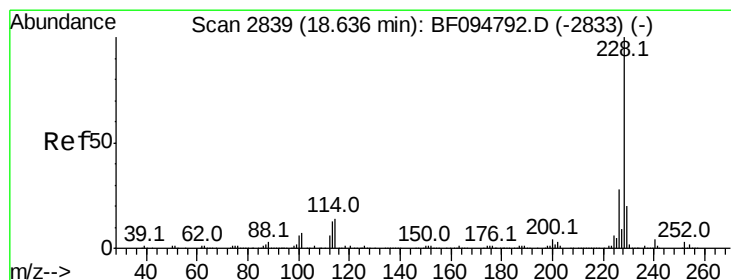
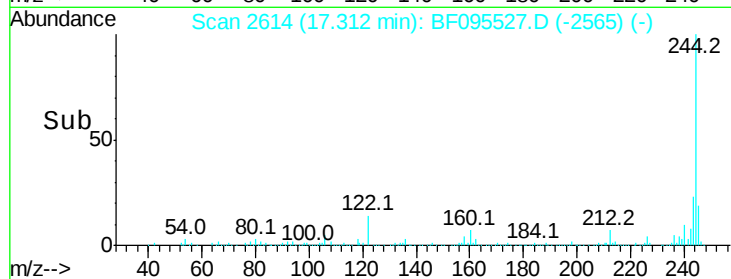
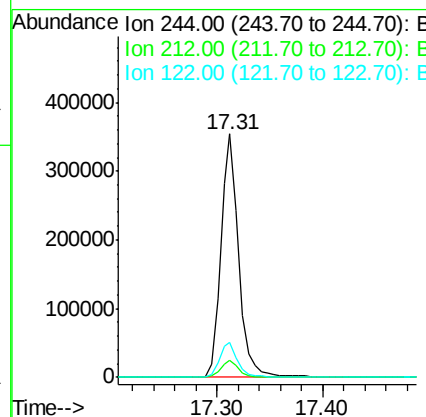
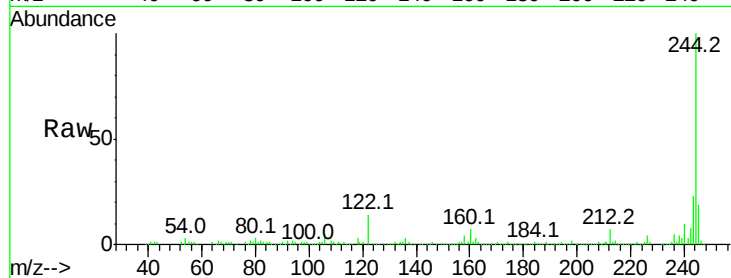
#78
 Terphenyl-d14
 Concen: 46.46 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095527.D
 Acq: 28 May 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q3-WSW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	14.2	10.3	15.5

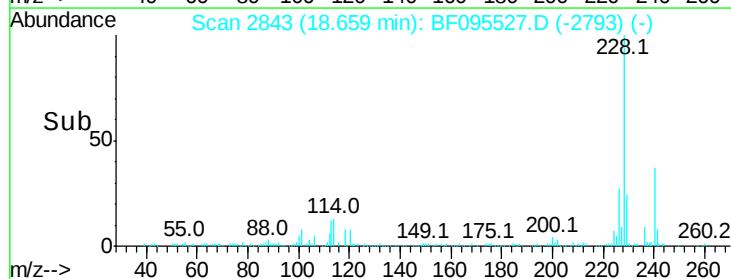
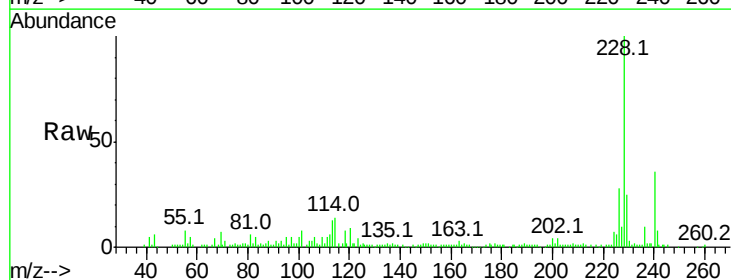
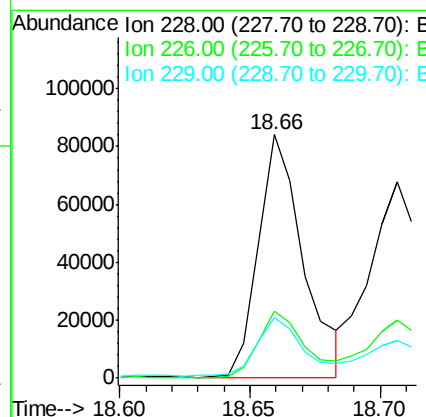
Manual Integrations
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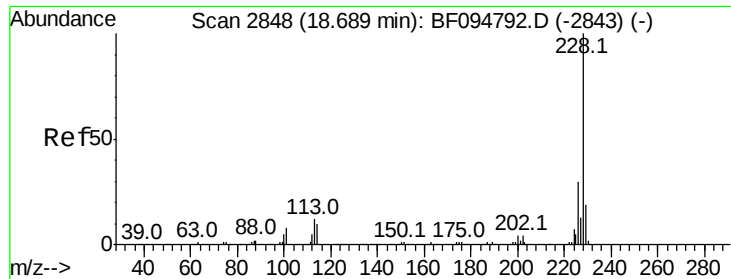
mohammad
 5/31/2017 1:05:15 PM



#80
 Benzo(a)anthracene
 Concen: 8.69 ng m
 RT: 18.66 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BF095527.D
 Acq: 28 May 2017 9:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	24.7	16.3	24.5





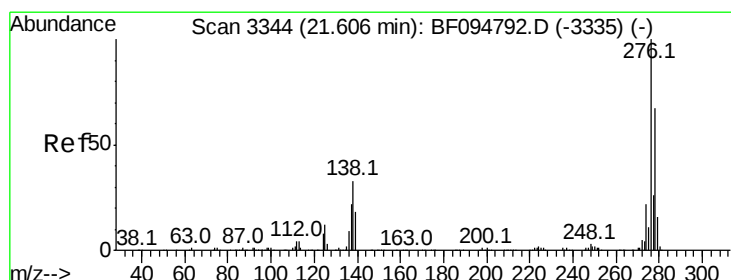
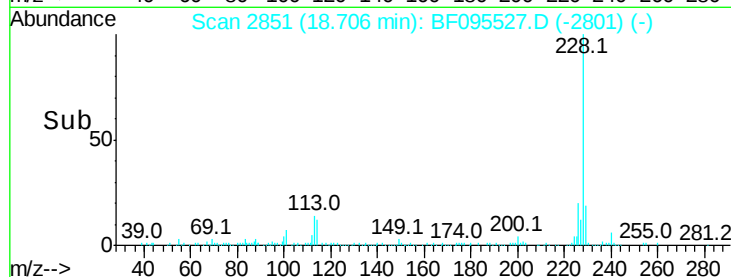
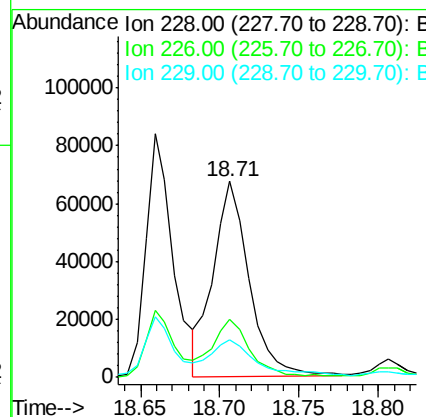
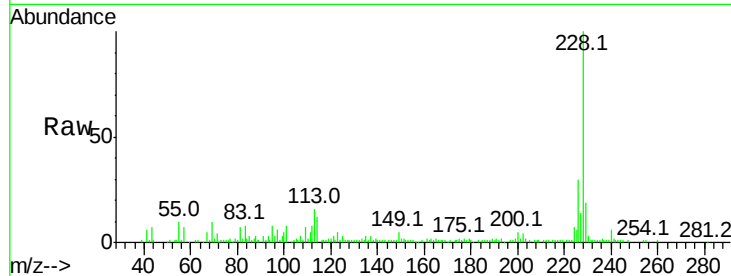
#82
Chrysene
Concen: 9.56 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095527.D
Acq: 28 May 2017 9:19

Instrument :
BNA_F
ClientSampleId :
E2-Q3-WSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	19.5	15.8	23.6

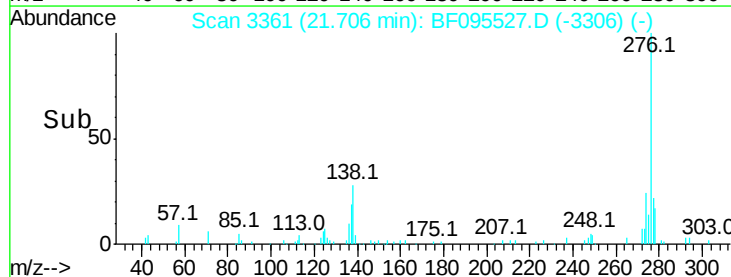
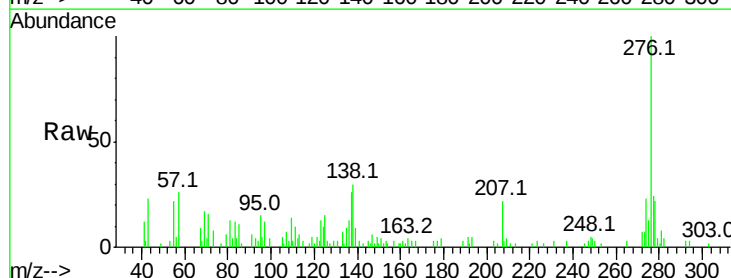
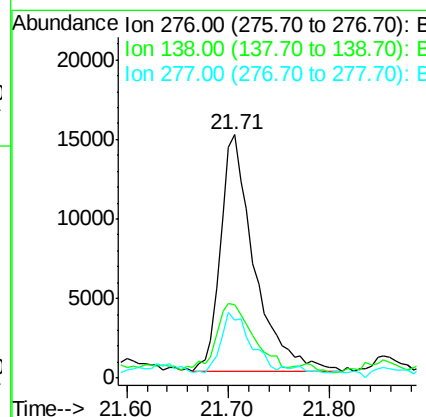
Manual Integrations
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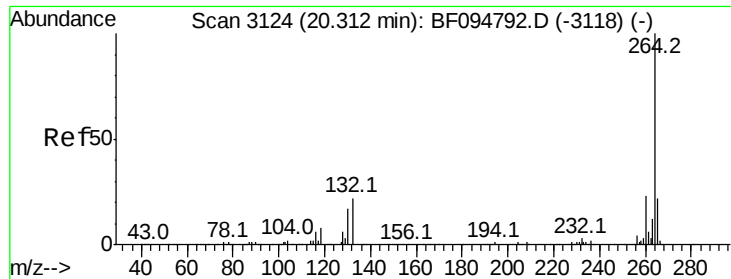
mohammad
5/31/2017 1:05:15 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.81 ng
RT: 21.71 min Scan# 3361
Delta R.T. 0.02 min
Lab File: BF095527.D
Acq: 28 May 2017 9:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.2	27.8	41.6
277	22.2	20.2	30.4





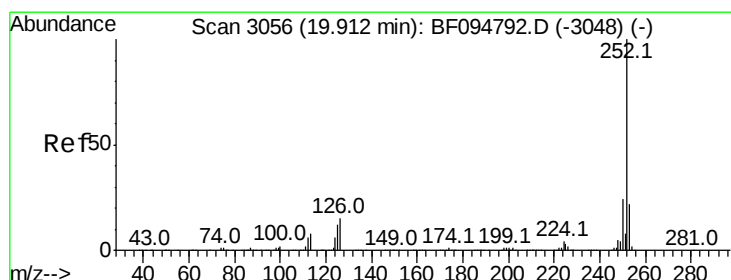
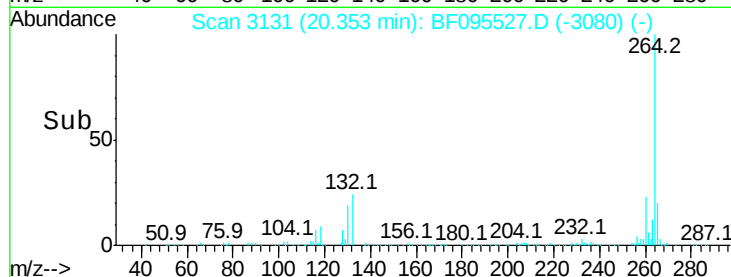
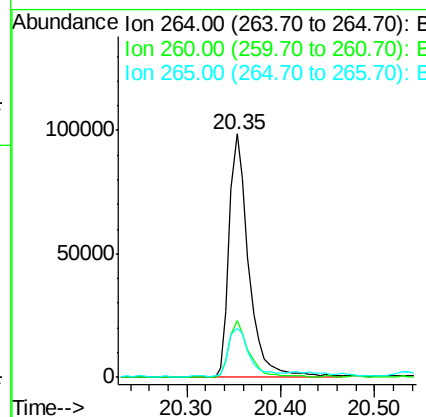
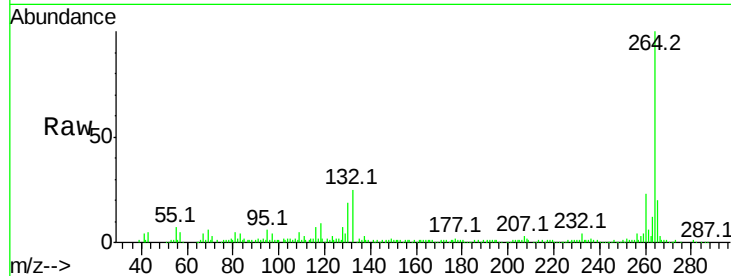
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095527.D
Acq: 28 May 2017 9:19

Instrument :
BNA_F
ClientSampleId :
E2-Q3-WSW

Tot Ion	Ratio	Resp	Lower	Upper
264	100	144063		
260	23.4		19.5	29.3
265	20.2		17.2	25.8

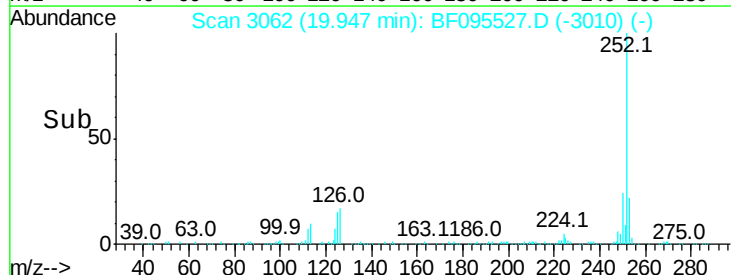
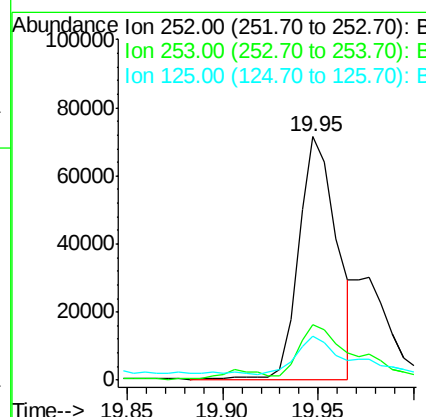
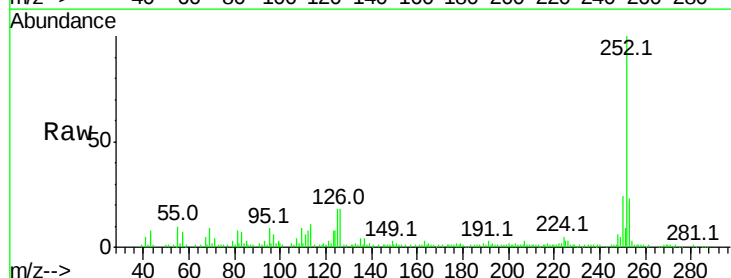
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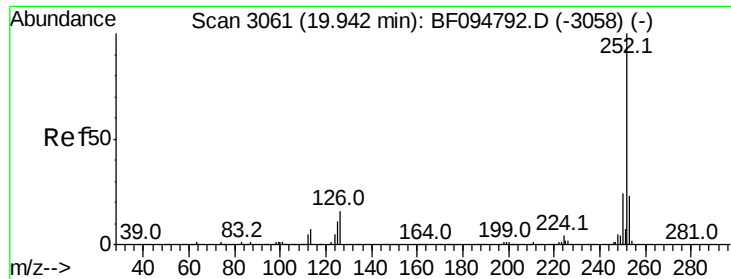
mohammad
5/31/2017 1:05:15 PM



#87
Benzo(b)fluoranthene
Concen: 11.19 ng m
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095527.D
Acq: 28 May 2017 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	99583		
253	22.7		18.1	27.1
125	18.1		9.8	14.8#





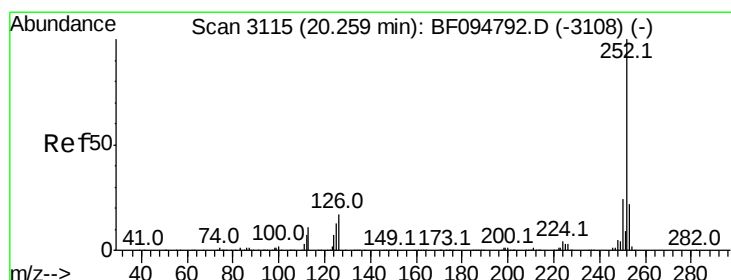
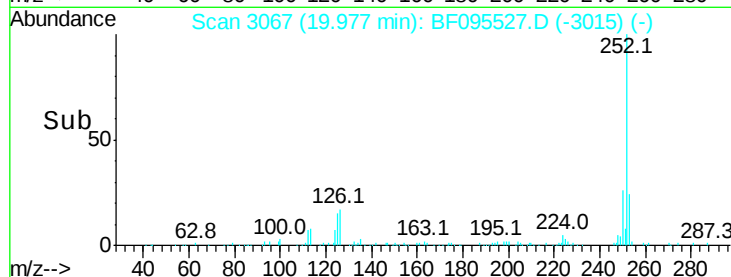
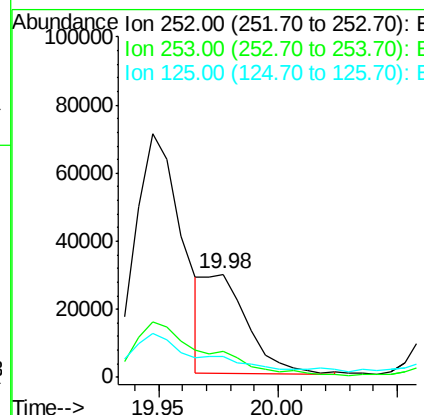
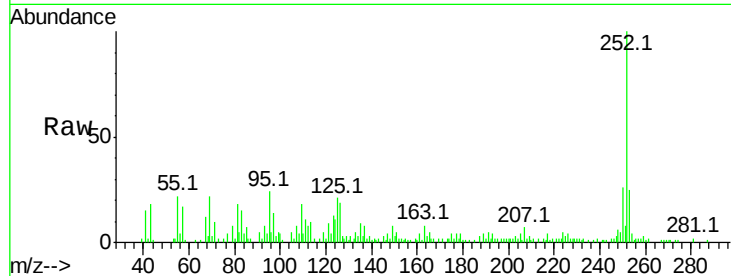
#88
Benzo(k)fluoranthene
Concen: 4.29 ng m
RT: 19.98 min Scan# 3067
Delta R.T. 0.01 min
Lab File: BF095527.D
Acq: 28 May 2017 9:19

Instrument :
BNA_F
ClientSampleId :
E2-Q3-WSW

Tot Ion	Ratio	Resp	Lower	Upper
252	100	36808		
253	25.5	18.4	27.6	
125	20.5	13.1	19.7	

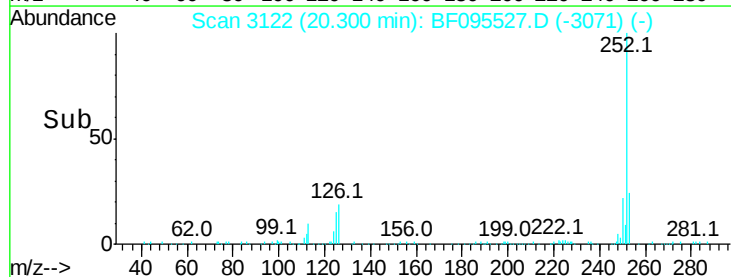
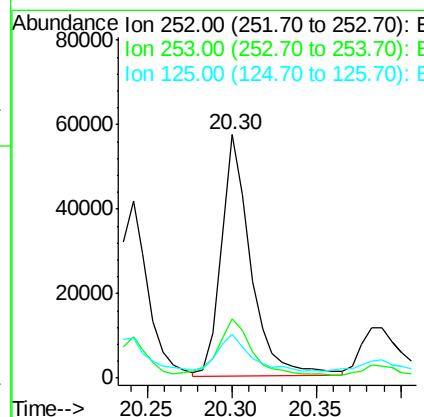
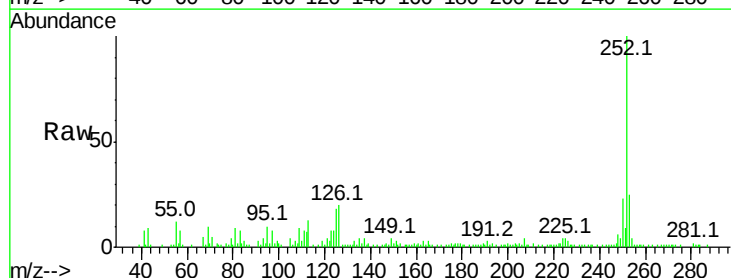
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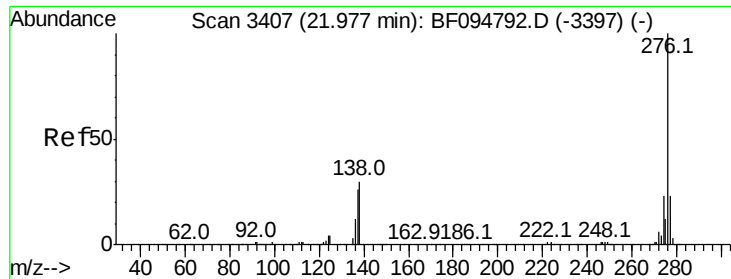
mohammad
5/31/2017 1:05:15 PM



#89
Benzo(a)pyrene
Concen: 8.47 ng
RT: 20.30 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BF095527.D
Acq: 28 May 2017 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	69597		
253	24.6	17.5	26.3	
125	17.9	11.0	16.4	





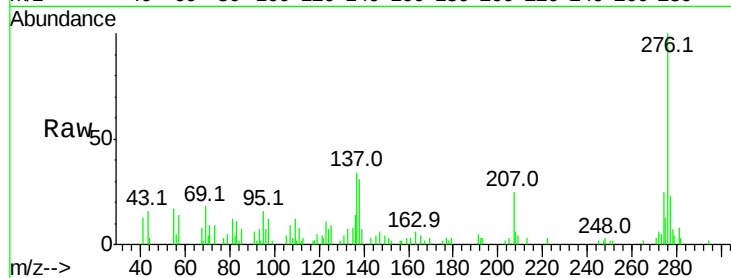
#91
 Benzo(a,h,i)perylene
 Concen: 5.69 ng
 RT: 22.09 min Scan# 3427
 Delta R.T. 0.02 min
 Lab File: BF095527.D
 Acq: 28 May 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q3-WSW

Tot Ion:	276	Resp:	37906
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.6	28.0
138	31.5	25.4	38.0

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

