

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051817\
 Data File : BF095264.D
 Acq On : 19 May 2017 14:14
 Operator : SJ/MA
 Sample : I3186-05
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R3-ESW

Manual Integrations
 APPROVED

mohammad
 5/19/2017 3:41:05 PM

Quant Time: May 19 15:24:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	95208	20.00	ng	0.00
21) Naphthalene-d8	9.79	136	405191	20.00	ng	0.00
38) Acenaphthene-d10	12.62	164	178416	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	290613	20.00	ng	0.00
75) Chrysene-d12	18.69	240	182600	20.00	ng	0.00
86) Perylene-d12	20.36	264	174150	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	696416	121.95	ng	0.00
7) Phenol-d6	7.31	99	894421	130.54	ng	0.00
23) Nitrobenzene-d5	8.67	82	533016	82.95	ng	0.00
41) 2,4,6-Tribromophenol	13.91	330	171486	117.36	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	961135	77.54	ng	0.00
78) Terphenyl-d14	17.34	244	635256	76.63	ng	-0.01
Target Compounds						
10) Phenol	7.33	94	20692	2.87	ng	Qvalue # 63
49) Dimethylphthalate	12.25	163	190192	12.99	ng	98
70) Phenanthrene	15.05	178	413086	24.74	ng	98
71) Anthracene	15.15	178	86480m	5.07	ng	
74) Fluoranthene	16.80	202	524413	30.62	ng	98
77) Pyrene	17.10	202	457183	33.48	ng	96
80) Benzo(a)anthracene	18.68	228	154242	14.51	ng	99
82) Chrysene	18.72	228	150331	14.63	ng	97
85) Indeno(1,2,3-cd)pyrene	21.71	276	70713	8.47	ng	94
87) Benzo(b)fluoranthene	19.96	252	157424m	14.63	ng	
88) Benzo(k)fluoranthene	19.99	252	64817m	6.24	ng	
89) Benzo(a)pyrene	20.31	252	124957	12.58	ng	97
90) Dibenzo(a,h)anthracene	21.71	278	16960	2.07	ng	96
91) Benzo(g,h,i)perylene	22.09	276	66815	8.30	ng	97

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

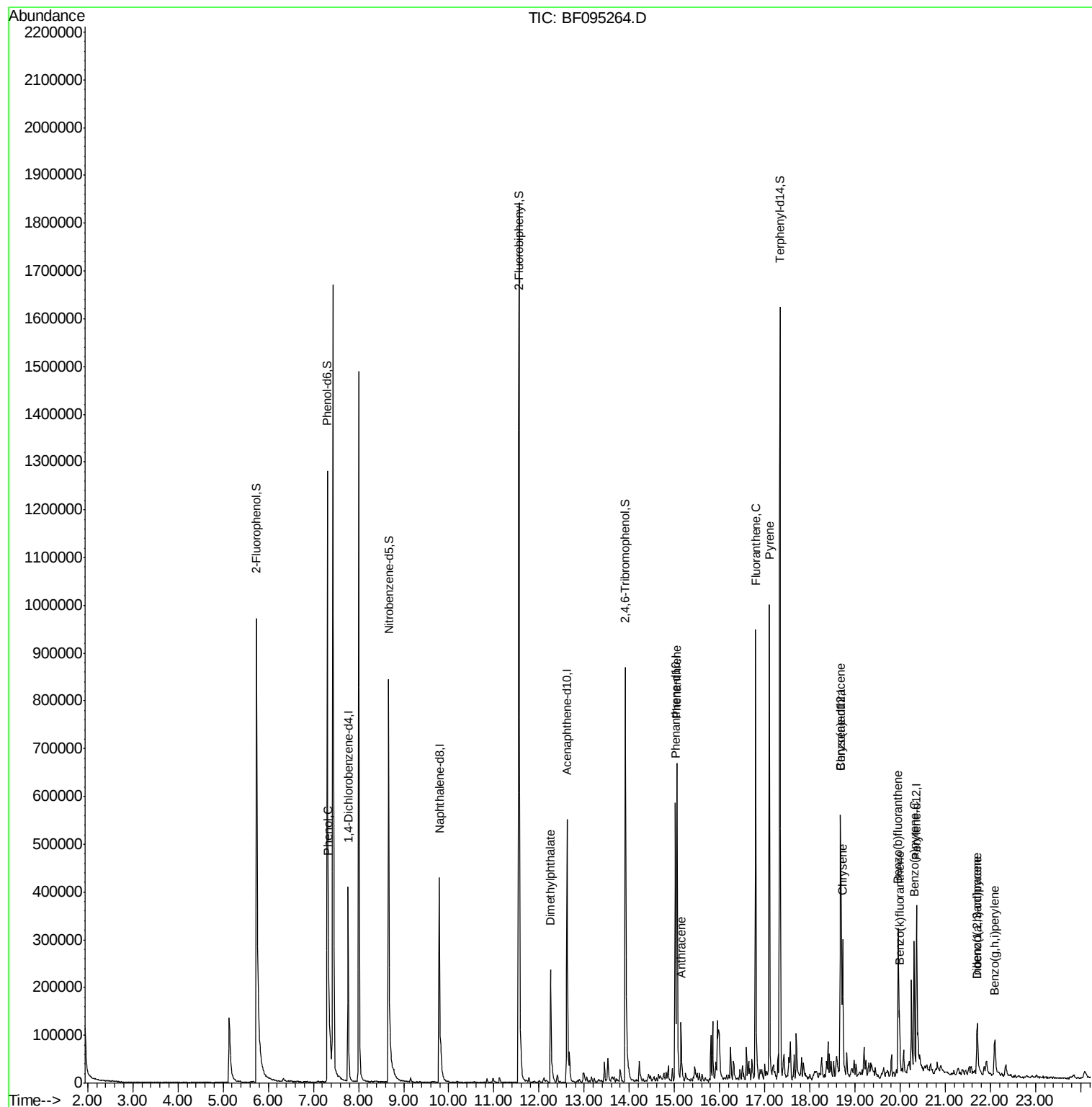
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051817\
Data File : BF095264.D
Acq On : 19 May 2017 14:14
Operator : SJ/MA
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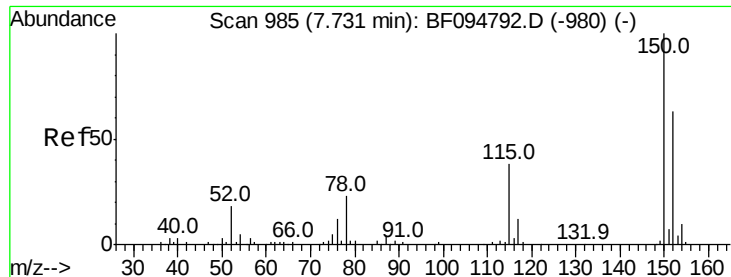
Instrument :
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#1

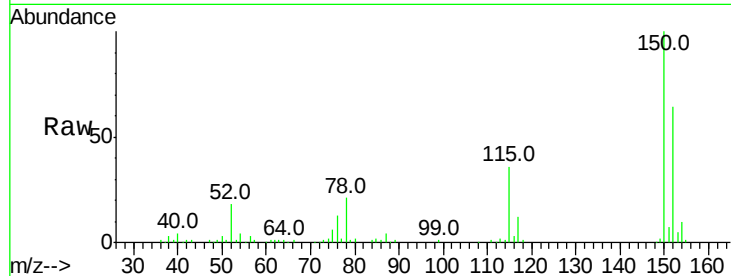
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Instrument :
BNA_F
ClientSampleId :
E2-R3-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.2	189.2
115	56.6	52.2	78.2

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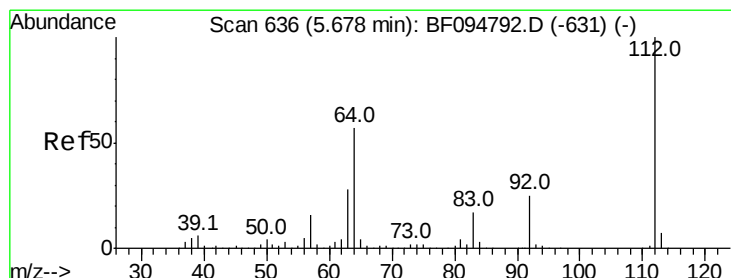
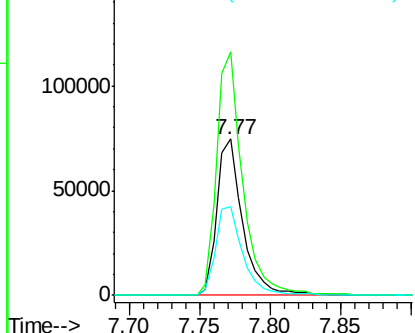
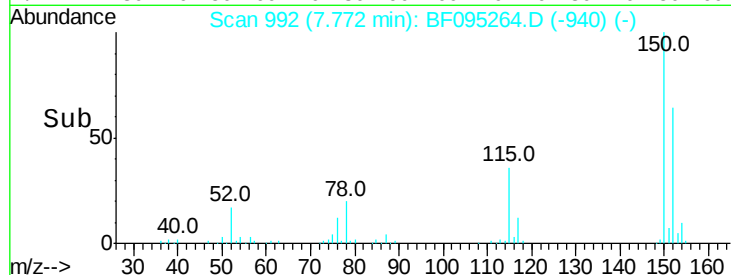


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

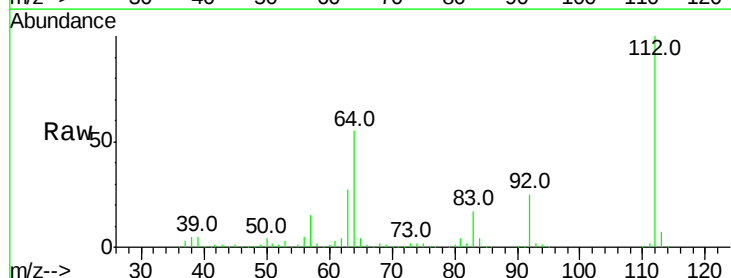
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 121.95 ng
RT: 5.74 min Scan# 646
Delta R.T. -0.00 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	46.0	69.0
63	26.5	23.4	35.0

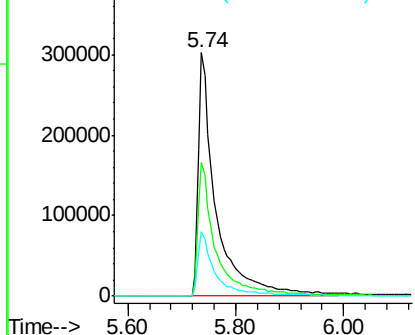
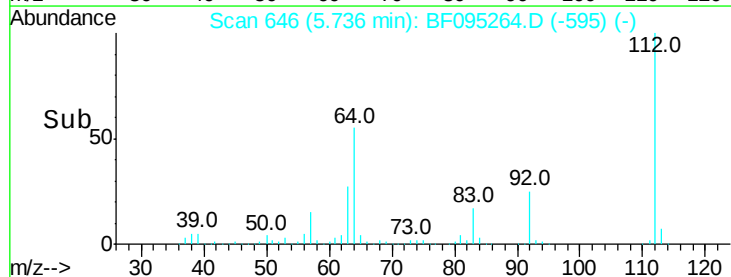


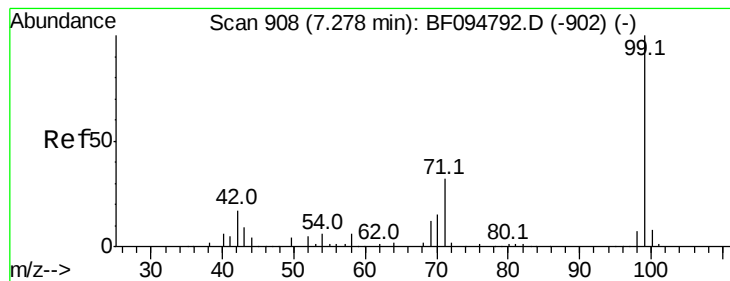
Abundance

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: 130.54 ng

RT: 7.31 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF095264.D

Acq: 19 May 2017 14:14

Instrument :

BNA_F

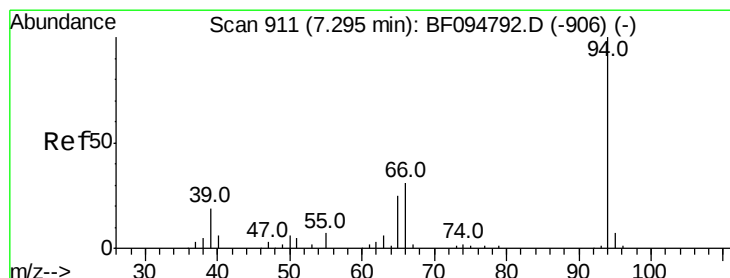
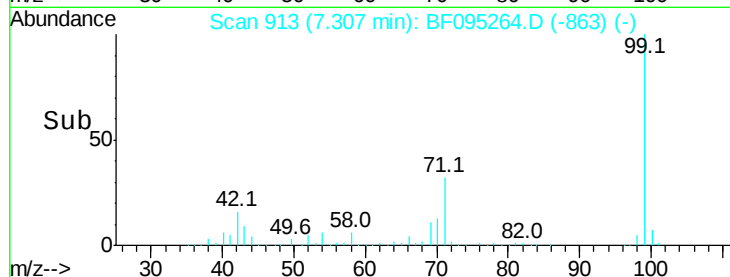
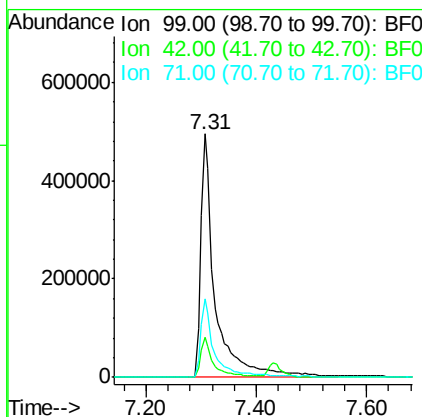
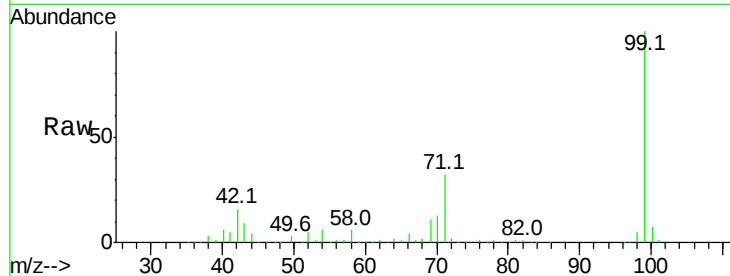
ClientSampleId :

E2-R3-ESW

Tot Ion:	99	Resp:	894421
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.5	20.3
71	32.1	24.5	36.7

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#10

Phenol

Concen: 2.87 ng

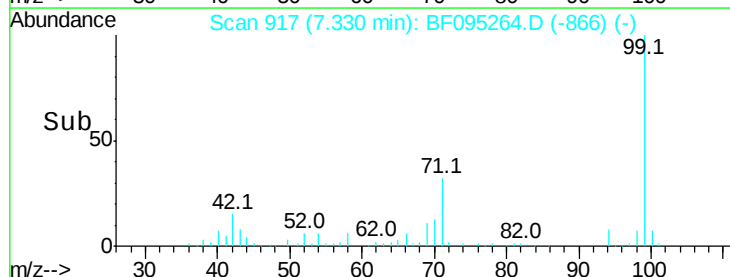
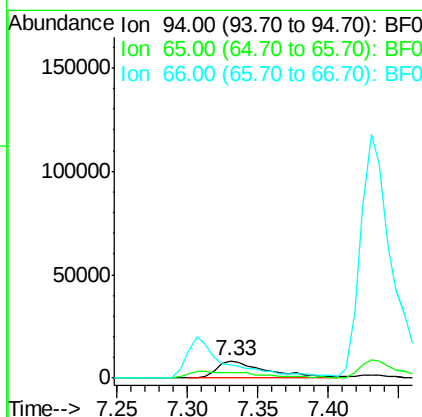
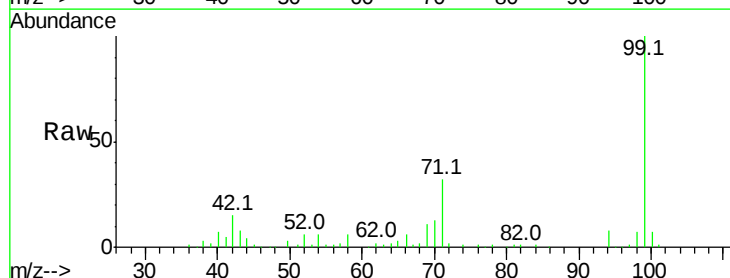
RT: 7.33 min Scan# 917

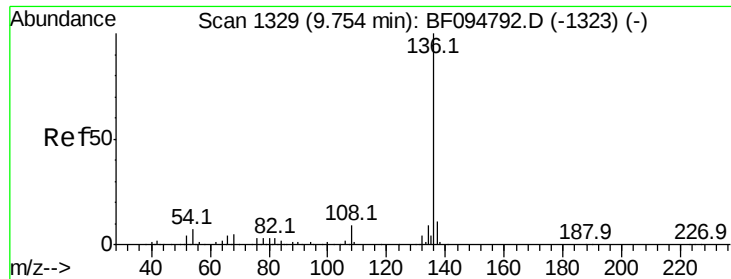
Delta R.T. -0.00 min

Lab File: BF095264.D

Acq: 19 May 2017 14:14

Tgt Ion:	94	Resp:	20692
Ion Ratio	Lower	Upper	
94	100		
65	34.4	9.9	49.9
66	79.1	23.1	63.1#





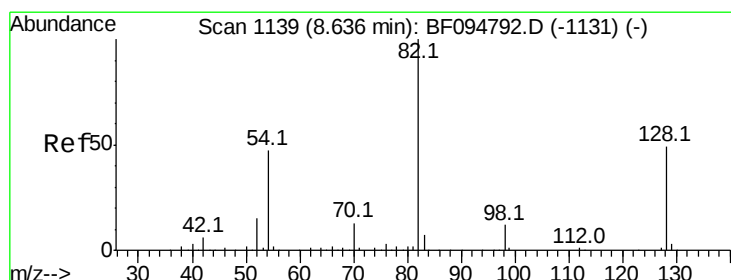
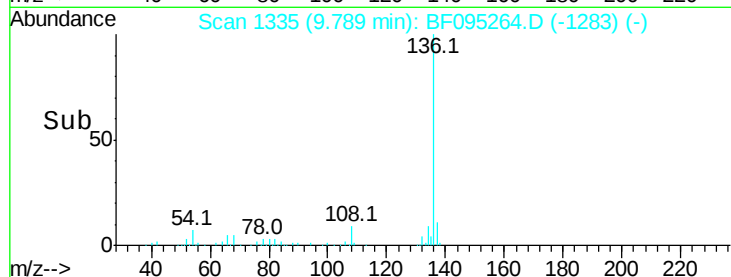
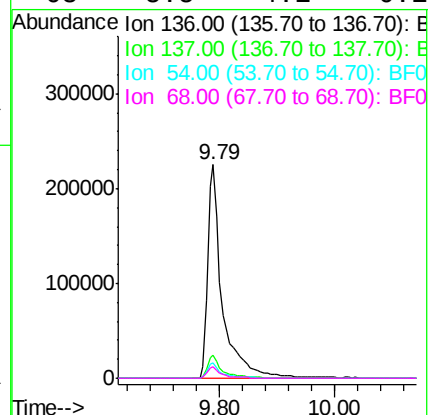
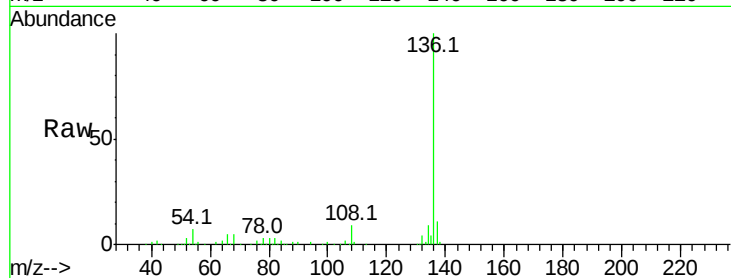
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.79 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Instrument :
BNA_F
ClientSampleId :
E2-R3-ESW

Tot Ion	Ratio	Resp	Lower	Upper
136	100	405191		
137	10.9		8.5	12.7
54	7.0		4.9	7.3
68	5.5		4.1	6.1

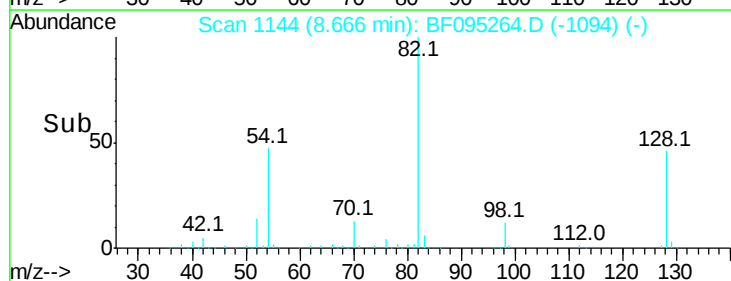
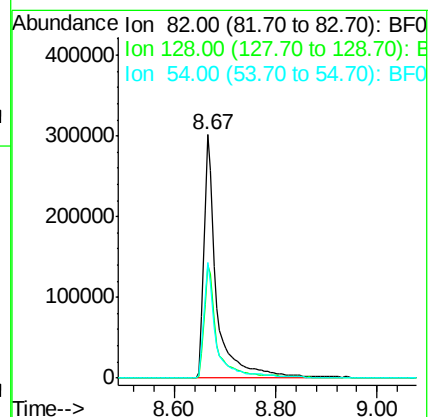
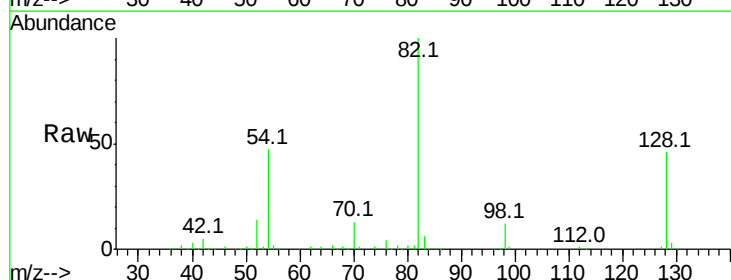
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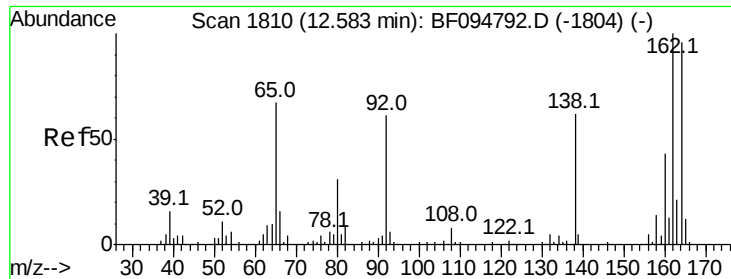
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#23
Nitrobenzene-d5
Concen: 82.95 ng
RT: 8.67 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	533016		
128	46.3		34.0	51.0
54	47.4		42.2	63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.62 min Scan# 1816

Delta R.T. -0.00 min

Lab File: BF095264.D

Acq: 19 May 2017 14:14

Instrument :

BNA_F

ClientSampleId :

E2-R3-ESW

Tot Ion:164 Resp: 178416

Ion Ratio Lower Upper

164 100

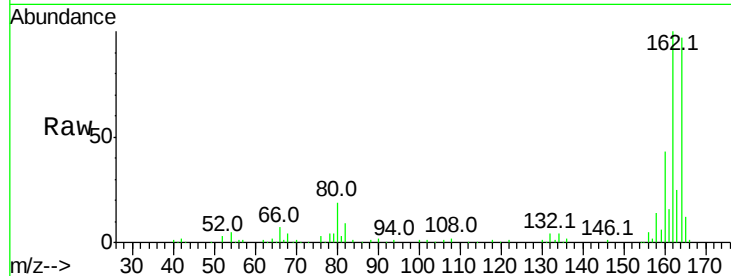
162 103.6 82.6 123.8

160 44.3 36.2 54.2

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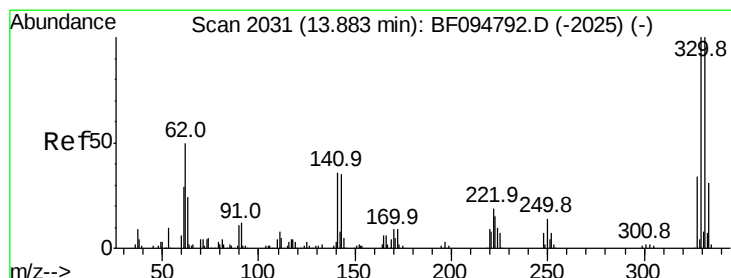
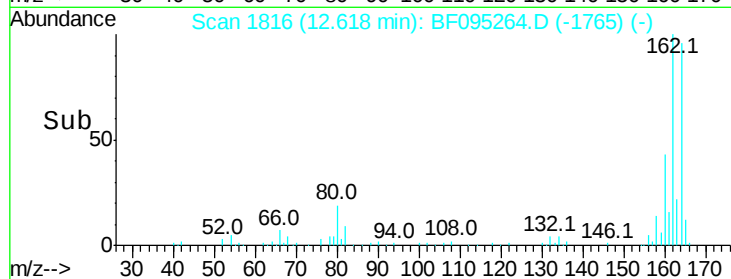
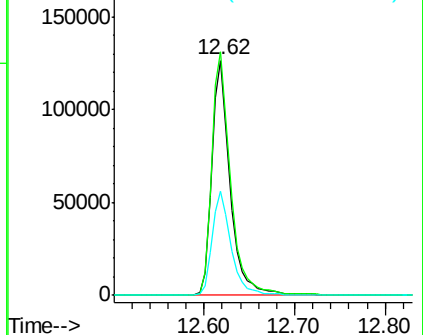
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 117.36 ng

RT: 13.91 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF095264.D

Acq: 19 May 2017 14:14

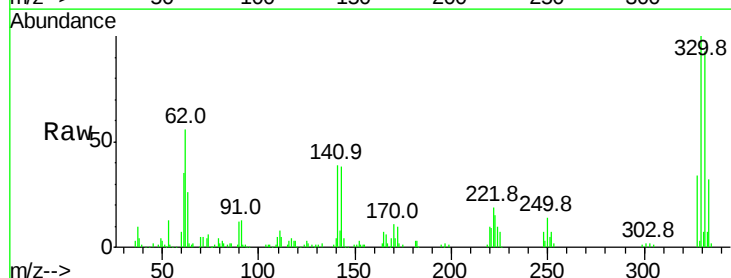
Tgt Ion:330 Resp: 171486

Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

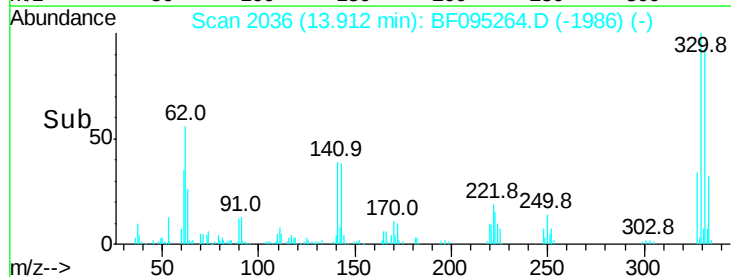
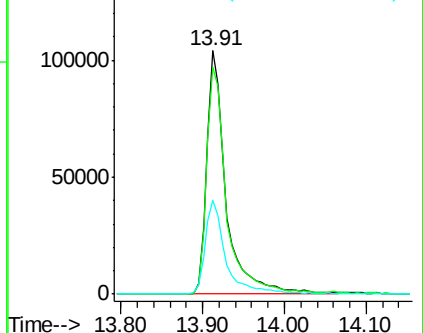
141 40.8 31.4 47.2

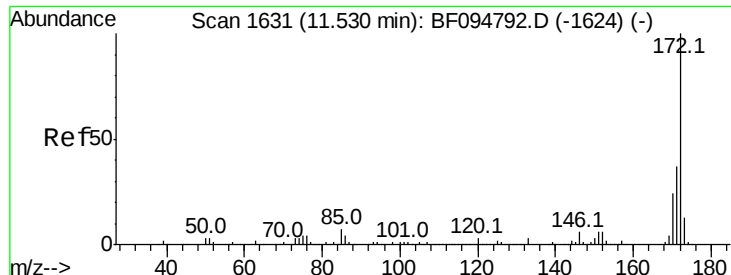


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





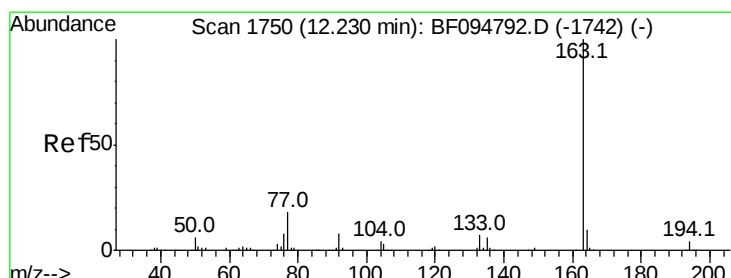
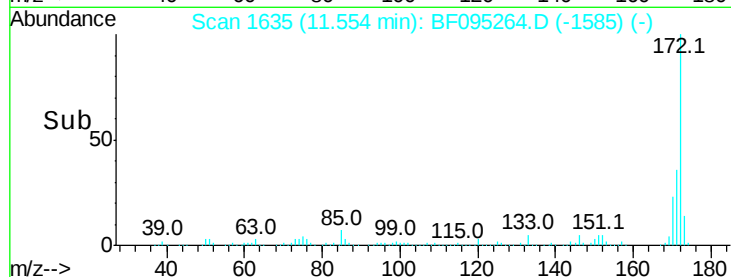
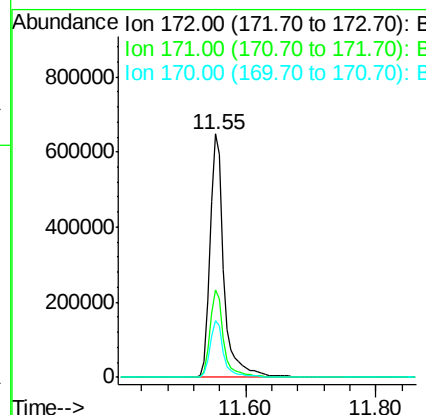
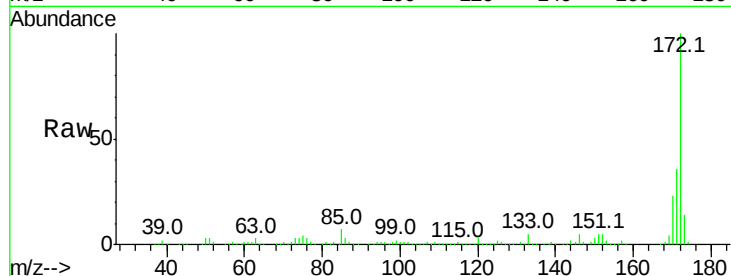
#44
2-Fluorobiphenyl
Concen: 77.54 ng
RT: 11.55 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Instrument :
BNA_F
ClientSampleId :
E2-R3-ESW

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.6	44.4	
170	23.1	19.8	29.8	

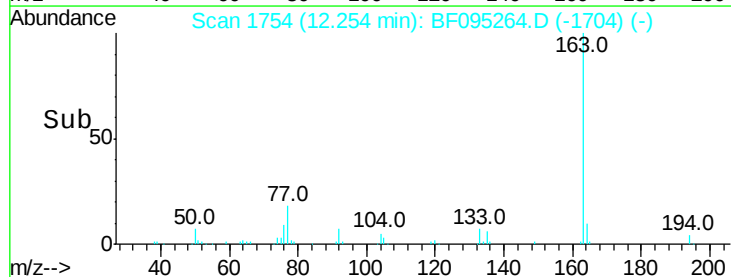
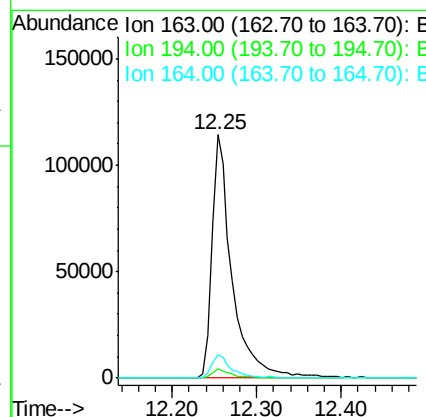
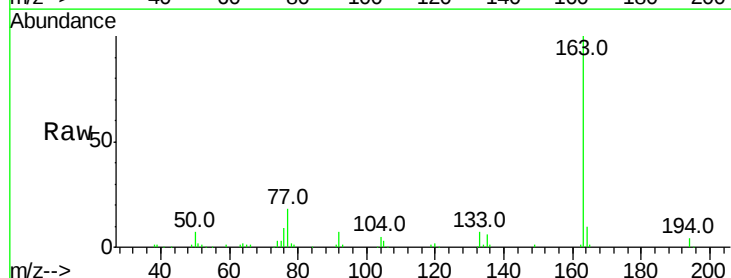
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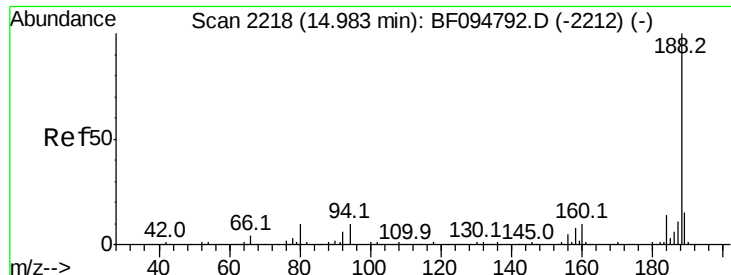
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#49
Dimethylphthalate
Concen: 12.99 ng
RT: 12.25 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.7	2.6	4.0	
164	9.9	8.4	12.6	





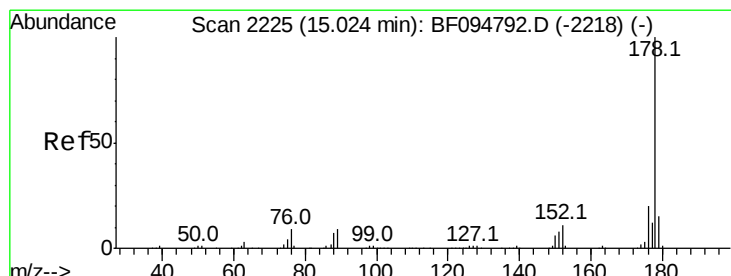
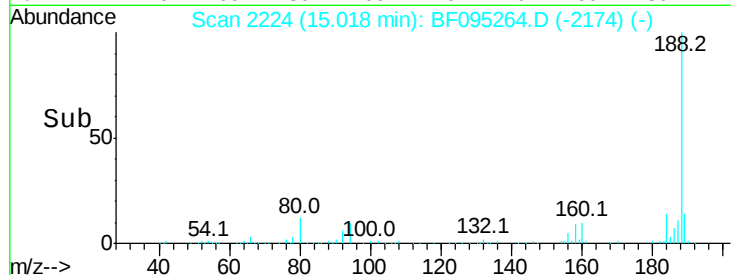
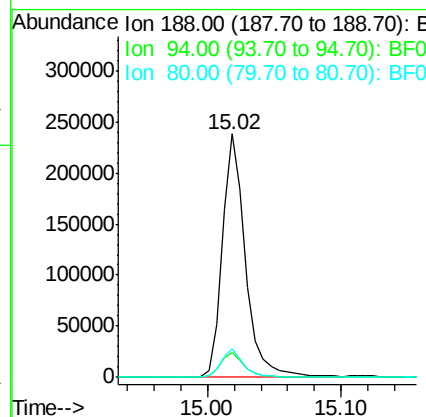
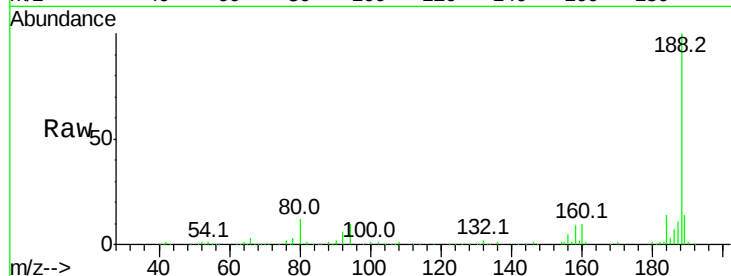
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Instrument :
BNA_F
ClientSampleId :
E2-R3-ESW

Tot Ion	Ratio	Resp	Lower	Upper
188	100	290613		
94	10.4		9.4	14.2
80	11.5		10.2	15.2

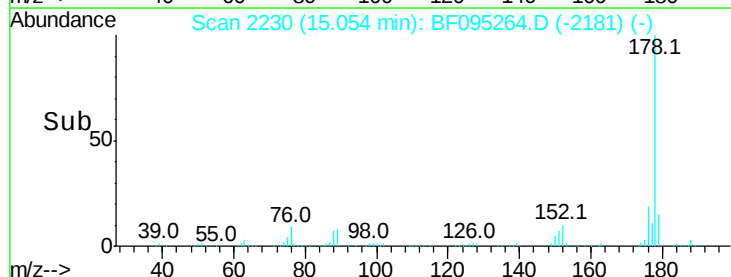
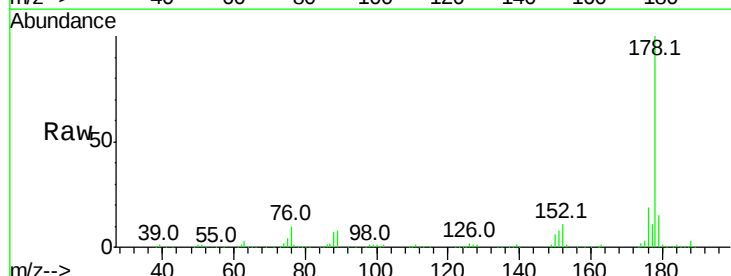
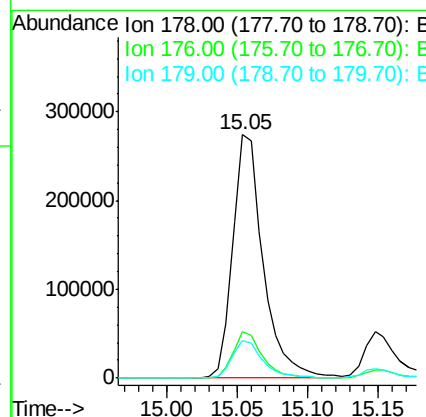
Manual Integrations
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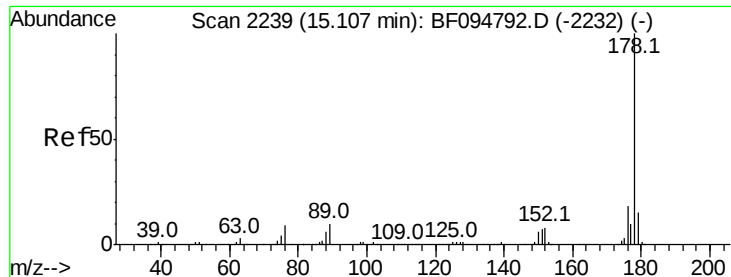
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#70
Phenanthrene
Concen: 24.74 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	413086		
176	19.2		16.2	24.4
179	15.4		12.6	19.0





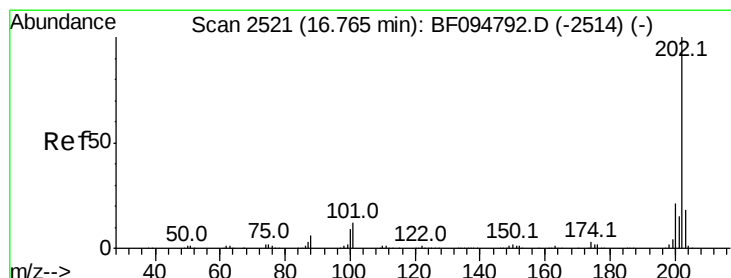
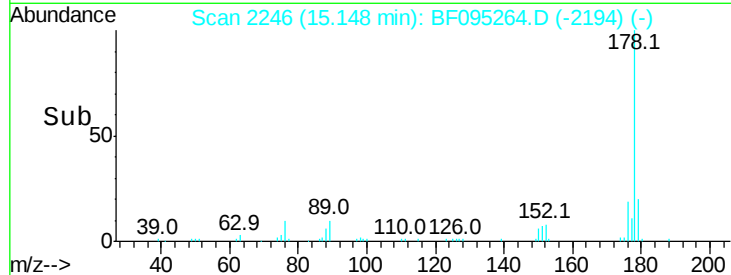
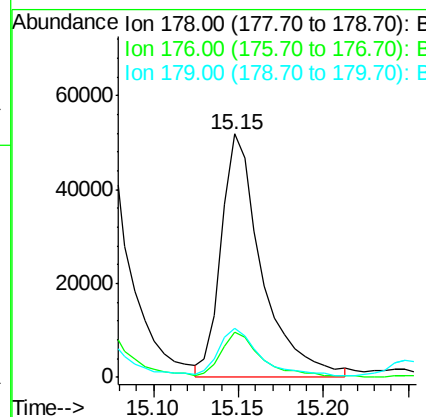
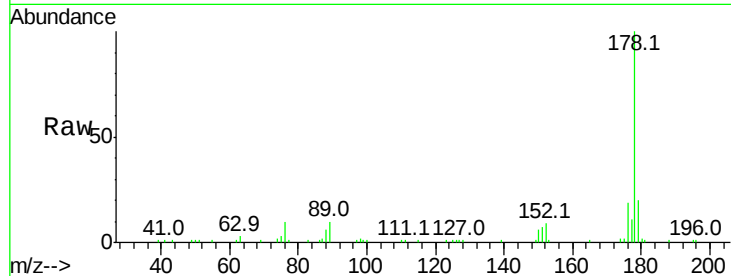
#71
 Anthracene
 Concen: 5.07 ng/mL
 RT: 15.15 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF095264.D
 Acq: 19 May 2017 14:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-R3-ESW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	20.4	12.7	19.1

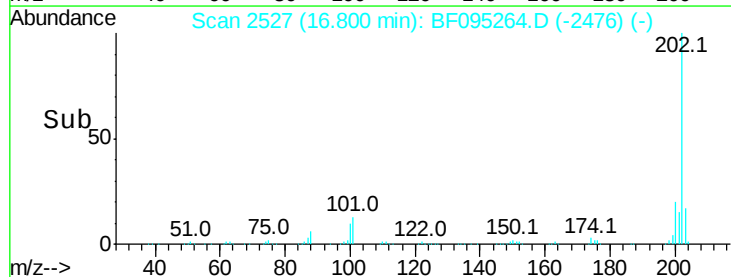
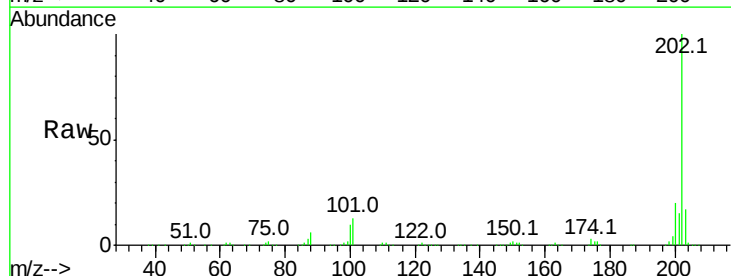
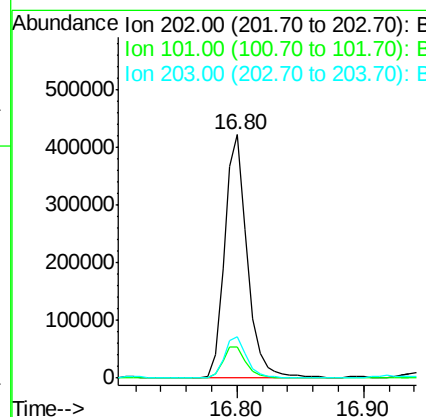
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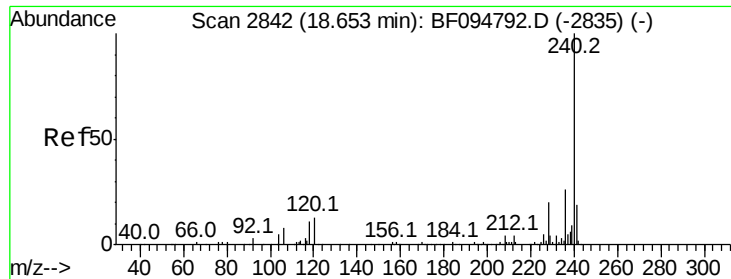
mohammad
 5/19/2017 3:41:05 PM



#74
 Fluoranthene
 Concen: 30.62 ng/mL
 RT: 16.80 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: BF095264.D
 Acq: 19 May 2017 14:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BF095264.D

Acq: 19 May 2017 14:14

Instrument :

BNA_F

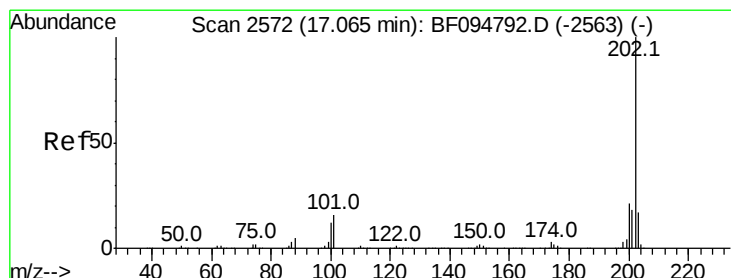
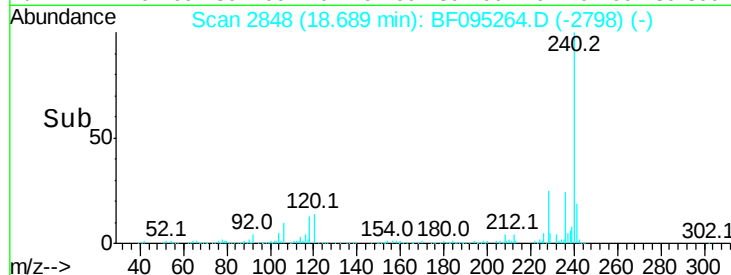
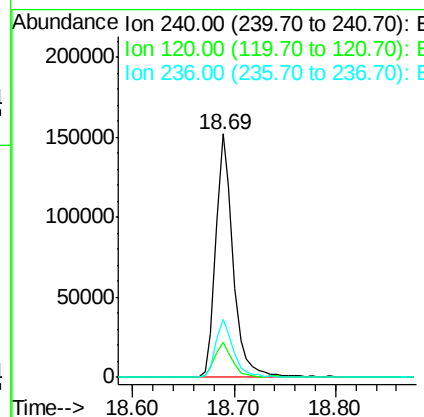
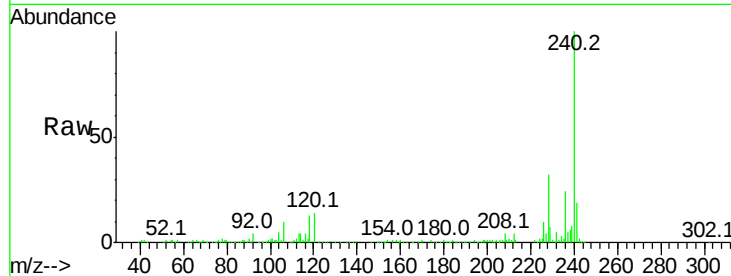
ClientSampleId :

E2-R3-ESW

Tot Ion:	240	Resp:	182600
Ion Ratio	Lower	Upper	
240	100		
120	14.2	5.8	8.8#
236	23.9	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 33.48 ng

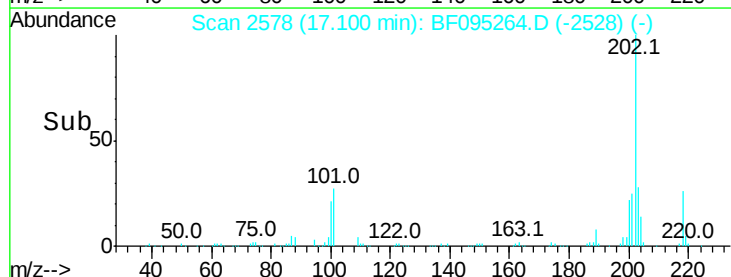
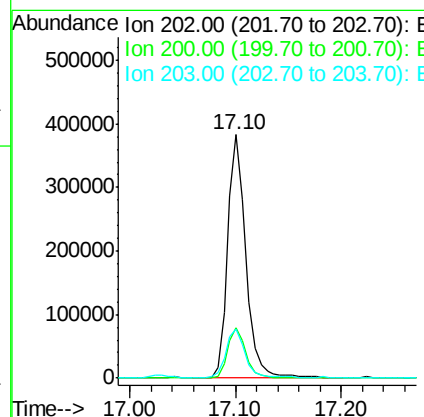
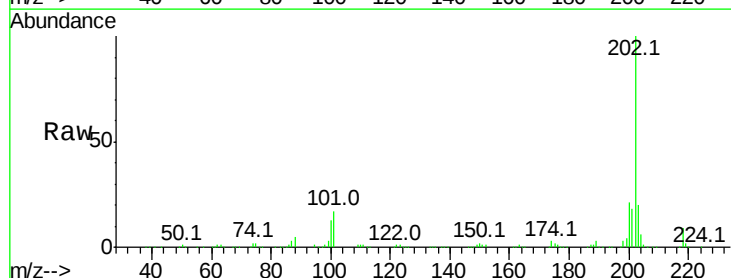
RT: 17.10 min Scan# 2578

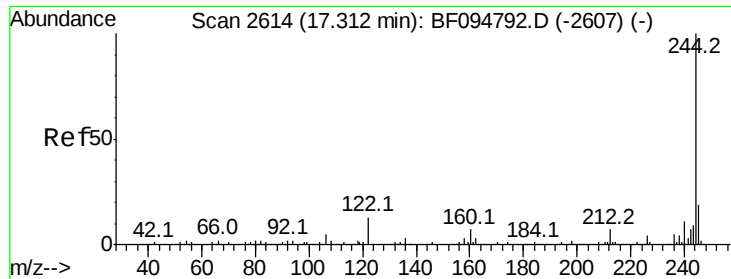
Delta R.T. -0.01 min

Lab File: BF095264.D

Acq: 19 May 2017 14:14

Tgt Ion:	202	Resp:	457183
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.6	26.4
203	20.3	14.4	21.6





#78

Terphenyl-d14

Concen: 76.63 ng

RT: 17.34 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BF095264.D

Acq: 19 May 2017 14:14

Instrument :

BNA_F

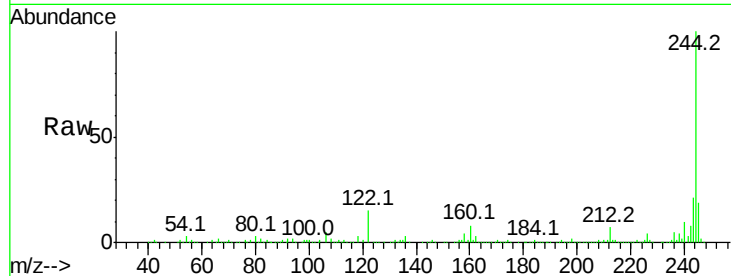
ClientSampleId :

E2-R3-ESW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	14.5	10.3	15.5

Manual Integrations
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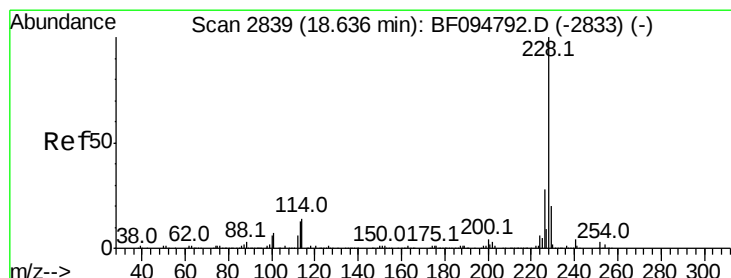
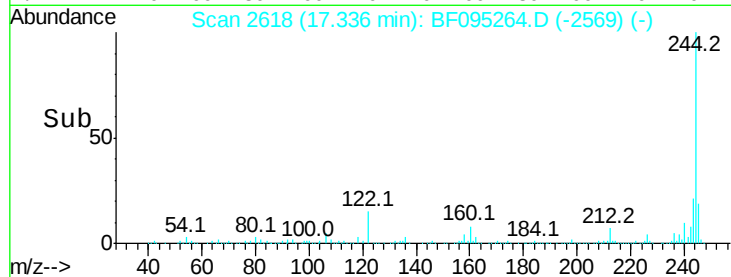
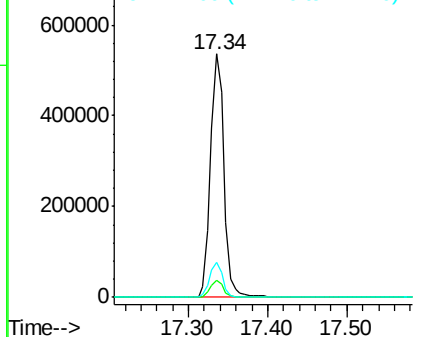
mohammad
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 14.51 ng

RT: 18.68 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BF095264.D

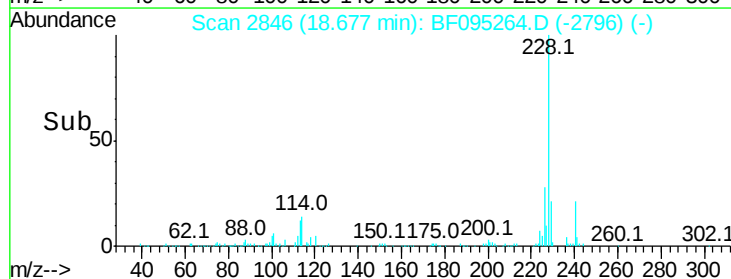
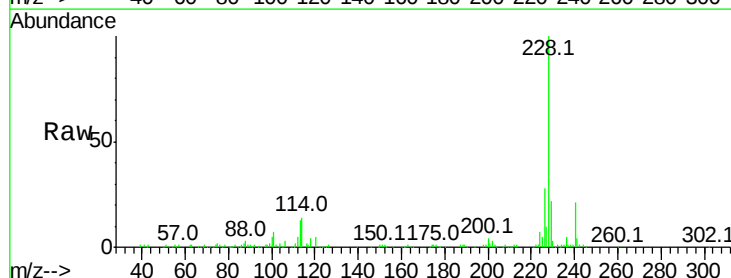
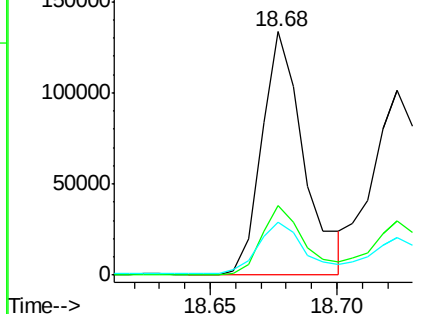
Acq: 19 May 2017 14:14

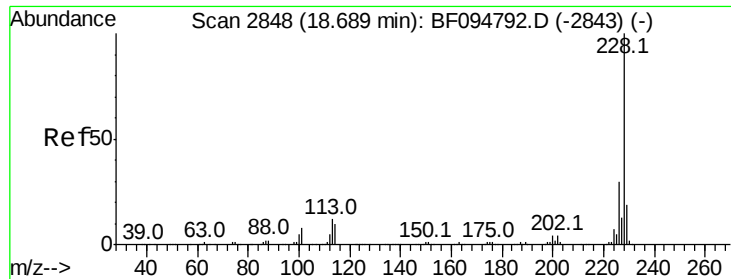
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	21.8	16.3	24.5

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





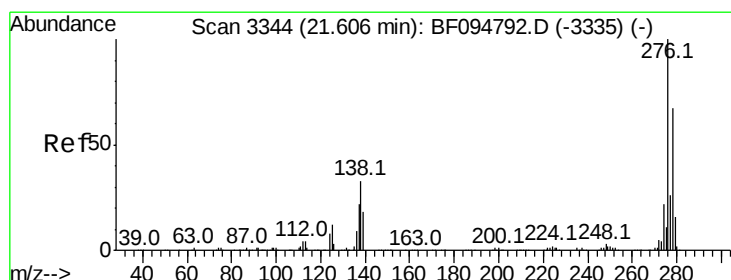
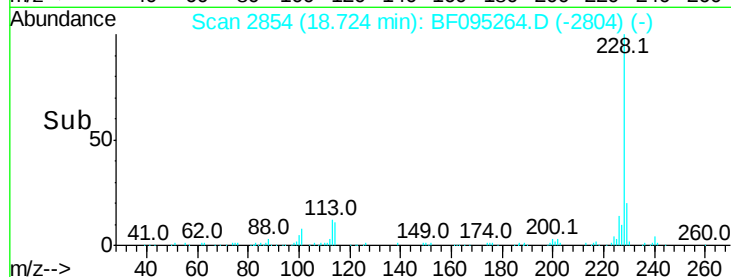
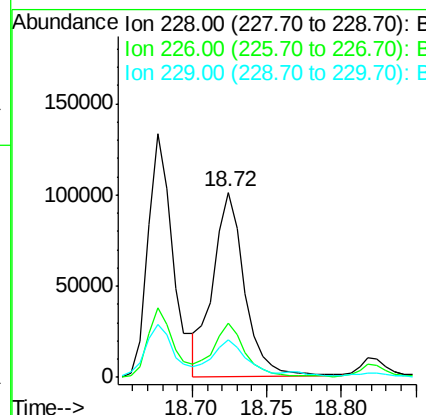
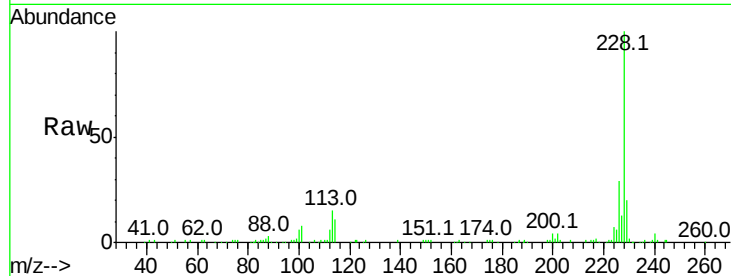
#82
Chrysene
Concen: 14.63 ng
RT: 18.72 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Instrument :
BNA_F
ClientSampleId :
E2-R3-ESW

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.9	37.3
229	20.0	15.8	23.6

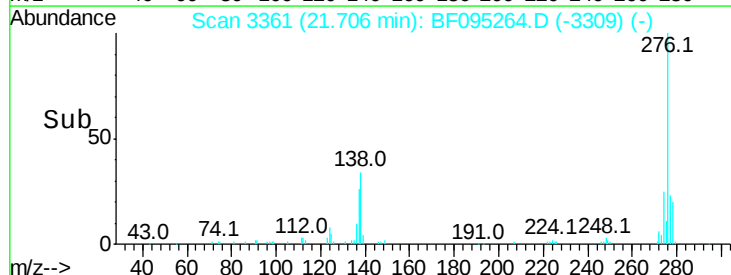
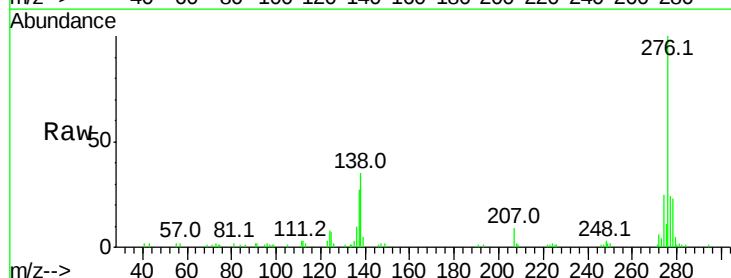
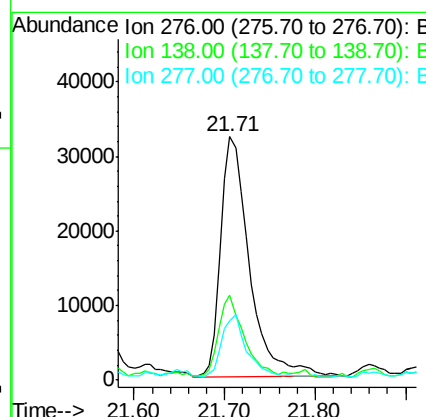
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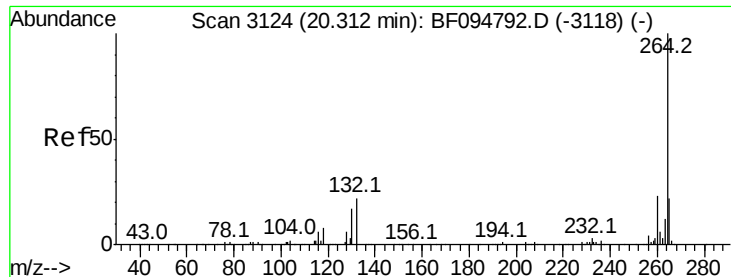
mohammad
5/19/2017 3:41:05 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 8.47 ng
RT: 21.71 min Scan# 3361
Delta R.T. 0.01 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.7	27.8	41.6
277	21.9	20.2	30.4





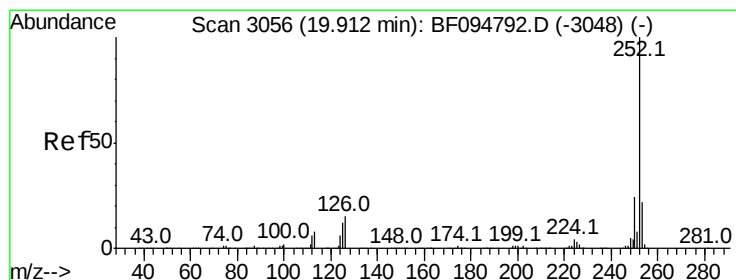
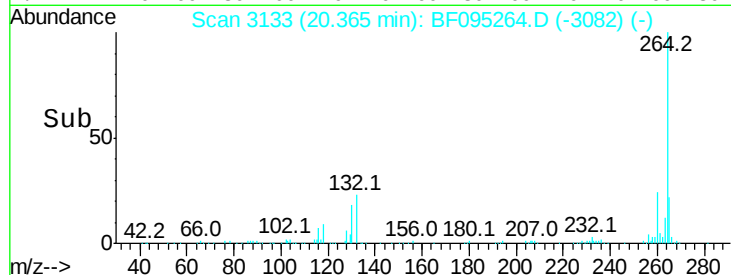
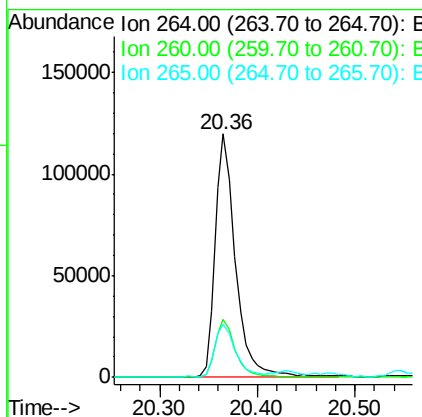
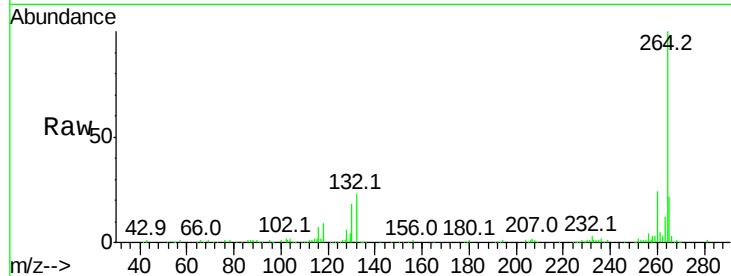
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3133
Delta R.T. -0.00 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Instrument :
BNA_F
ClientSampleId :
E2-R3-ESW

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.8	17.2	25.8

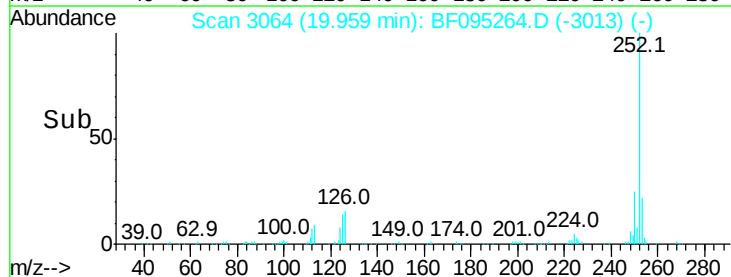
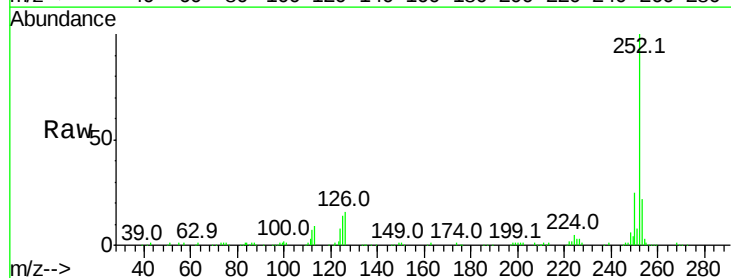
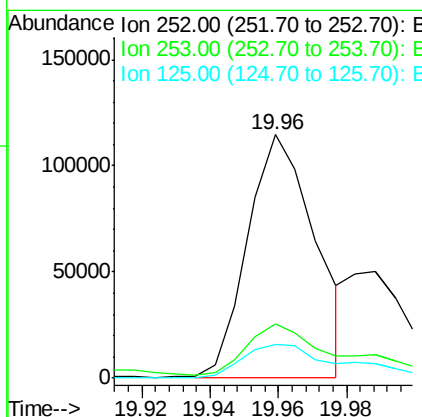
Manual Integrations
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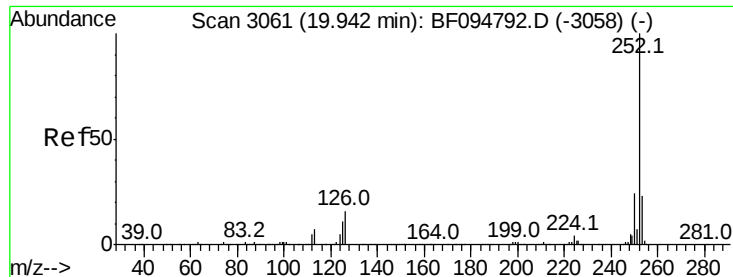
mohammad
5/19/2017 3:41:05 PM



#87
Benzo(b)fluoranthene
Concen: 14.63 ng m
RT: 19.96 min Scan# 3064
Delta R.T. -0.00 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	13.8	9.8	14.8





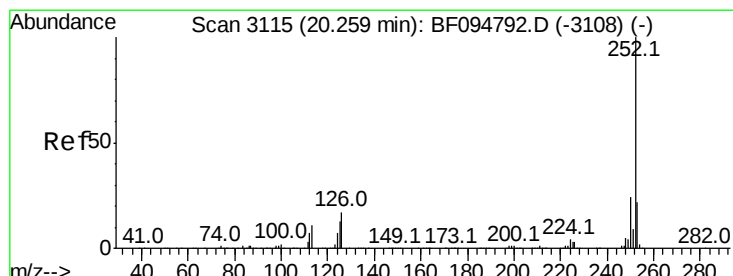
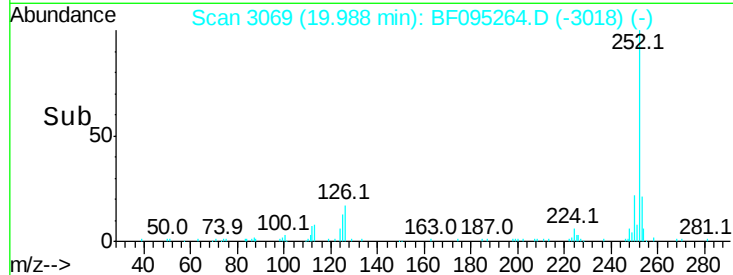
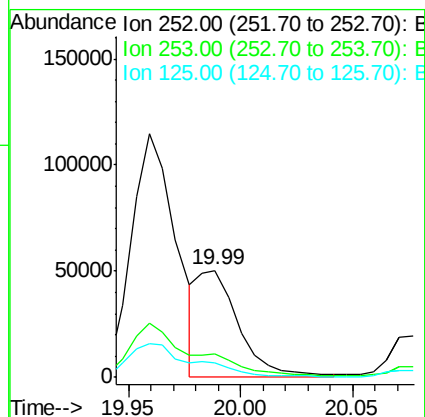
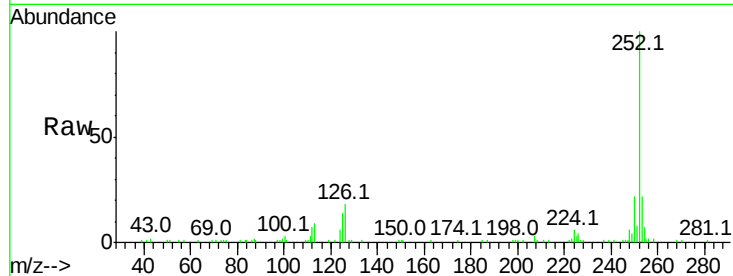
#88
Benzo(k)fluoranthene
Concen: 6.24 ng m
RT: 19.99 min Scan# 3069
Delta R.T. -0.00 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Instrument :
BNA_F
ClientSampleId :
E2-R3-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.4	27.6
125	13.8	13.1	19.7

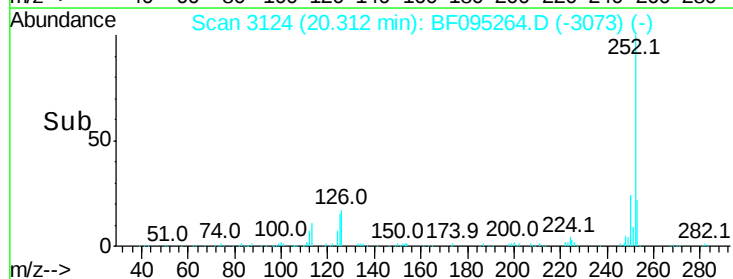
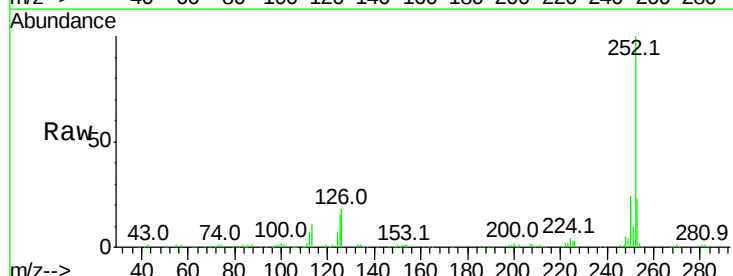
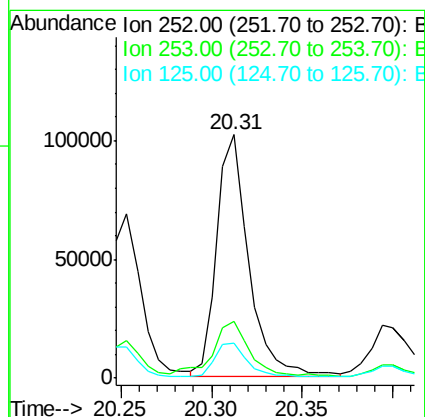
Manual Integrations
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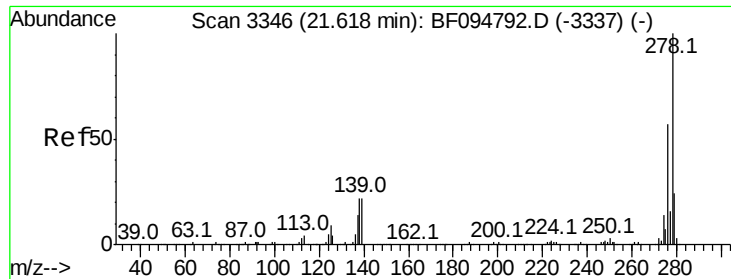
mohammad
5/19/2017 3:41:05 PM



#89
Benzo(a)pyrene
Concen: 12.58 ng
RT: 20.31 min Scan# 3124
Delta R.T. -0.00 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	14.6	11.0	16.4





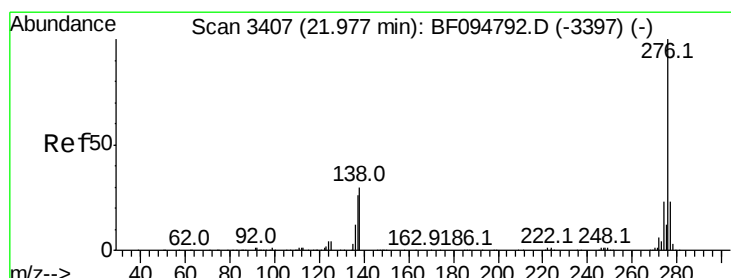
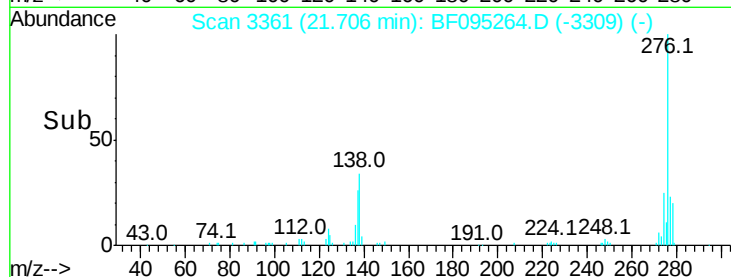
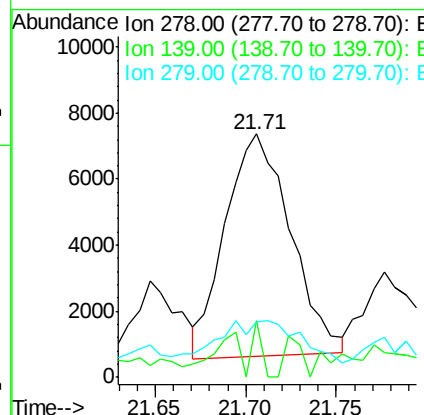
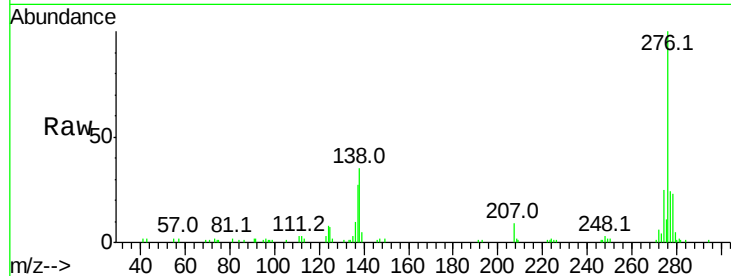
#90
Dibenzo(a,h)anthracene
Concen: 2.07 ng
RT: 21.71 min Scan# 3361
Delta R.T. 0.01 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Instrument :
BNA_F
ClientSampleId :
E2-R3-ESW

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.5	16.6	24.8
279	23.0	19.3	28.9

Manual Integrations
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5/19/2017 3:41:05 PM



#91
Benzo(g,h,i)perylene
Concen: 8.30 ng
RT: 22.09 min Scan# 3427
Delta R.T. 0.01 min
Lab File: BF095264.D
Acq: 19 May 2017 14:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	28.0
138	30.1	25.4	38.0

