

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
 Data File : BF096801.D
 Acq On : 15 Jul 2017 5:02
 Operator : SJ/JU
 Sample : I4163-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071217

Manual Integrations
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Quant Time: Jul 15 05:30:54 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	103133	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	388728	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	162277	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	250372	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	205956	20.00	ng	-0.01
86) Perylene-d12	15.15	264	142839	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	613193	89.40	ng	0.00
7) Phenol-d6	6.27	99	636437	77.32	ng	0.00
23) Nitrobenzene-d5	7.19	82	364412	58.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	105162	75.92	ng	-0.02
44) 2-Fluorobiphenyl	8.99	172	600699	58.48	ng	-0.01
78) Terphenyl-d14	12.72	244	413534	34.82	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.38	163	88876	7.274	ng	98
57) Fluorene	10.20	166	23299	2.333	ng	# 90
70) Phenanthrene	11.16	178	202893	14.904	ng	98
71) Anthracene	11.20	178	63582	4.619	ng	98
74) Fluoranthene	12.34	202	305086	23.413	ng	99
77) Pyrene	12.57	202	332100	17.767	ng	99
80) Benzo(a)anthracene	13.75	228	148904	11.604	ng	95
82) Chrysene	13.79	228	148728	11.773	ng	96
85) Indeno(1,2,3-cd)pyrene	16.45	276	44884	7.009	ng	96
87) Benzo(b)fluoranthene	14.77	252	125297m	14.544	ng	
88) Benzo(k)fluoranthene	14.79	252	42272m	5.182	ng	
89) Benzo(a)pyrene	15.09	252	95791	12.123	ng	96
91) Benzo(g,h,i)perylene	16.84	276	45743	5.875	ng	92

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

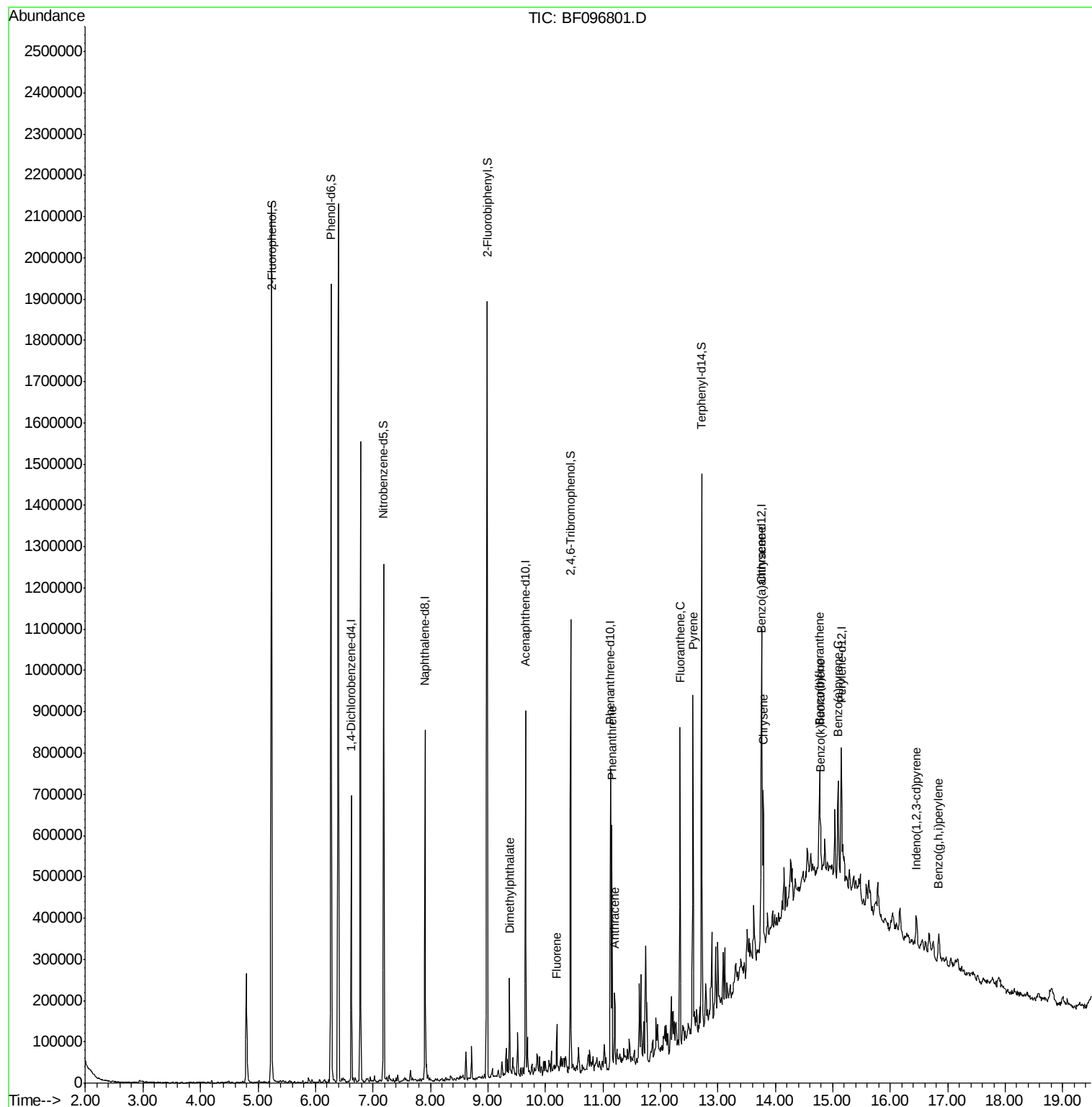
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
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ALS Vial : 24 Sample Multiplier: 1

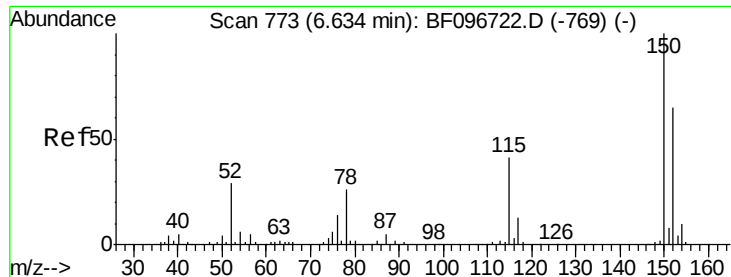
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#1

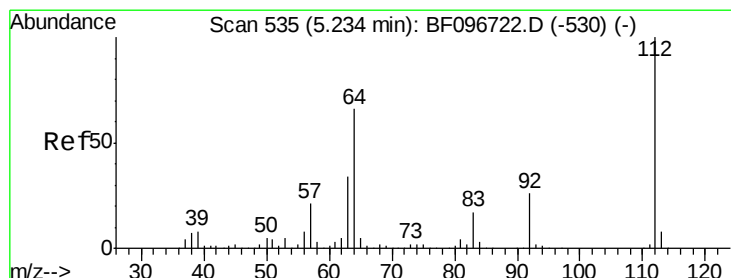
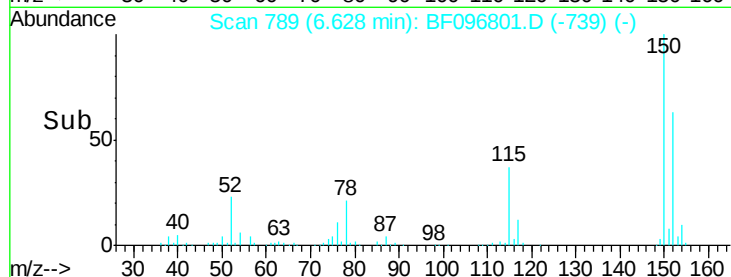
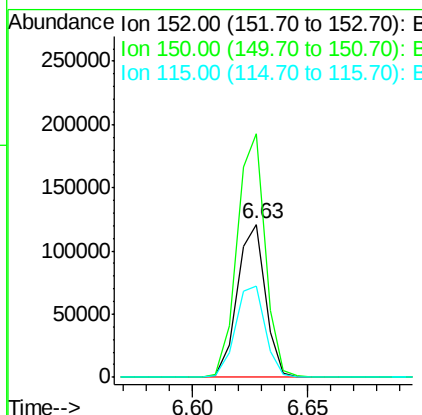
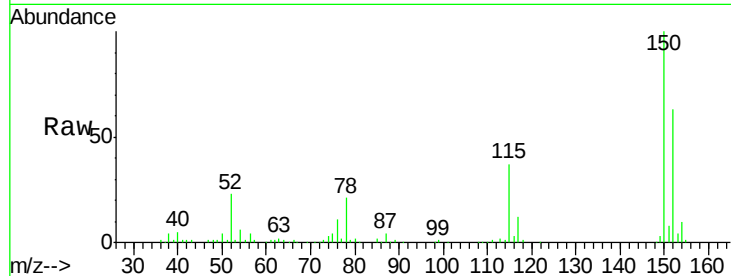
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Instrument :
BNA_F
ClientSampleId :
SU-04-071217

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.2	189.2
115	59.4	52.2	78.2

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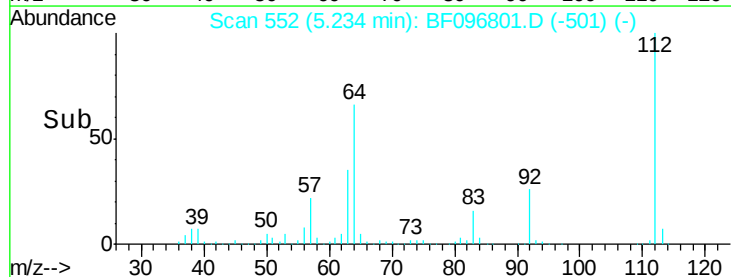
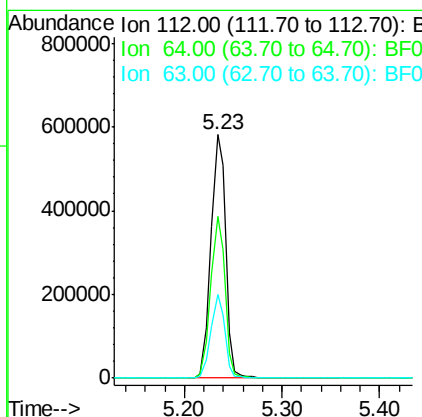
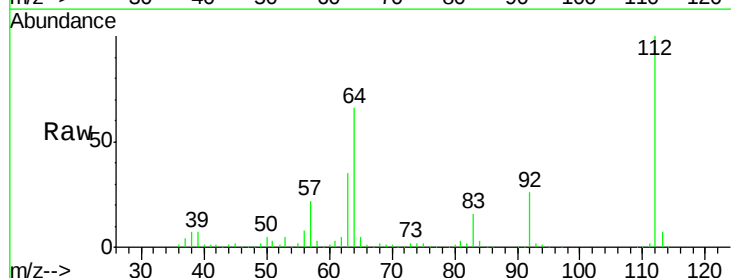
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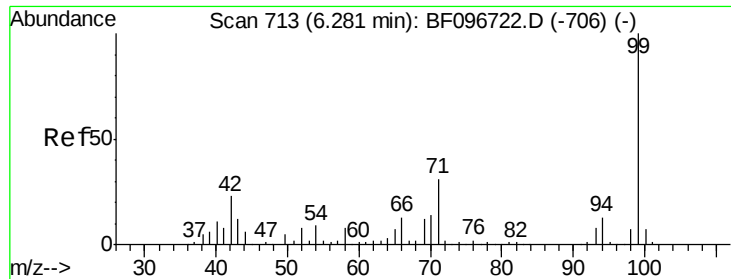


#5

2-Fluorophenol
Concen: 89.398 ng
RT: 5.23 min Scan# 552
Delta R.T. 0.00 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	46.0	69.0
63	34.5	23.4	35.0





#7

Phenol-d6

Concen: 77.320 ng

RT: 6.27 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Instrument :

BNA_F

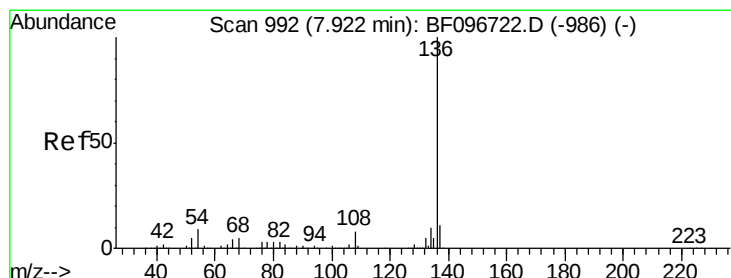
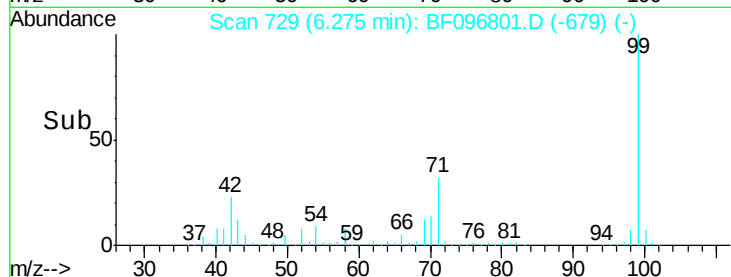
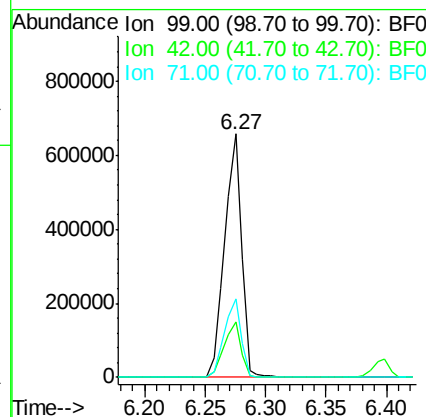
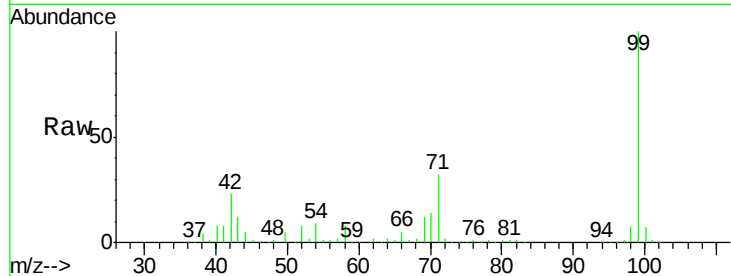
ClientSampleId :

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Tgt Ion:	99	Resp:	636437
Ion Ratio	Lower	Upper	
99	100		
42	22.6	13.5	20.3#
71	32.2	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

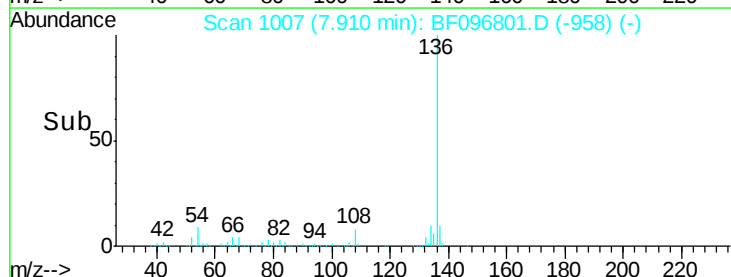
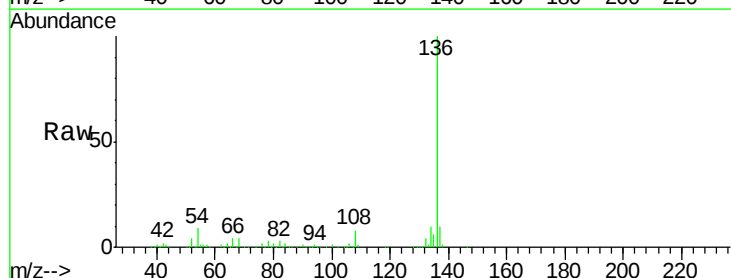
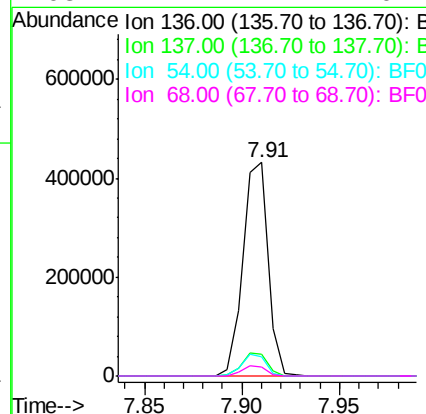
RT: 7.91 min Scan# 1007

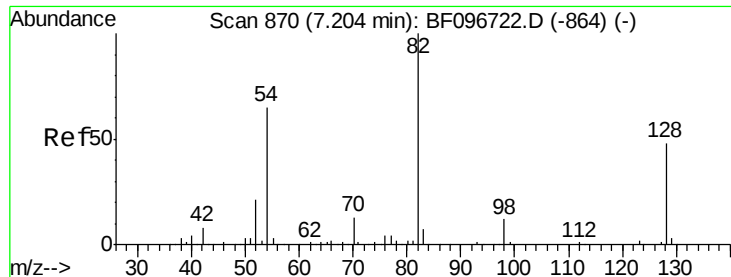
Delta R.T. -0.01 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Tgt Ion:	136	Resp:	388728
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.5	12.7
54	8.9	4.9	7.3#
68	4.1	4.1	6.1#





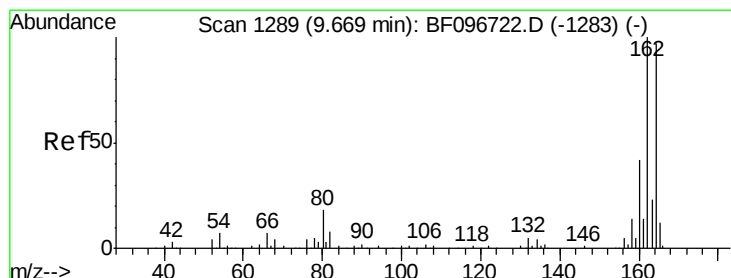
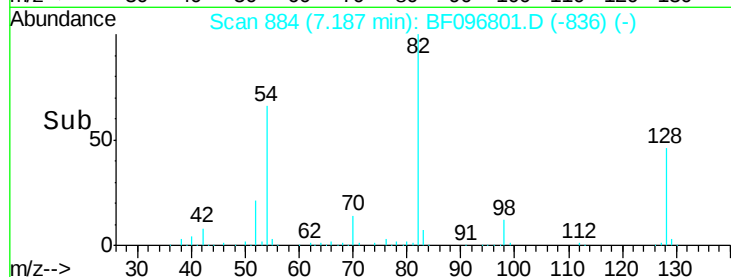
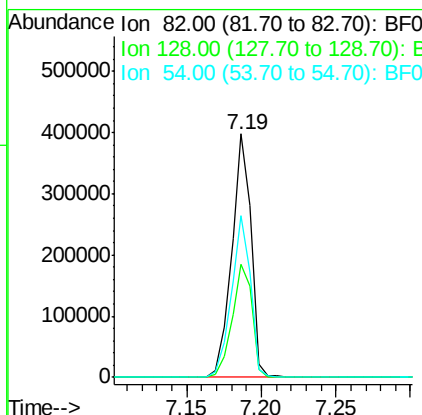
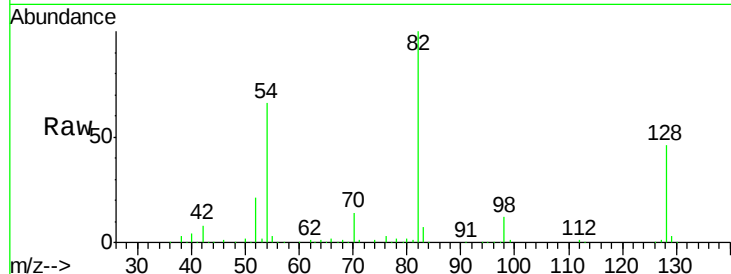
#23
 Nitrobenzene-d5
 Concen: 58.066 ng
 RT: 7.19 min Scan# 884
 Delta R.T. -0.02 min
 Lab File: BF096801.D
 Acq: 15 Jul 2017 5:02

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071217

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	46.4	34.0	51.0
54	66.4	42.2	63.2

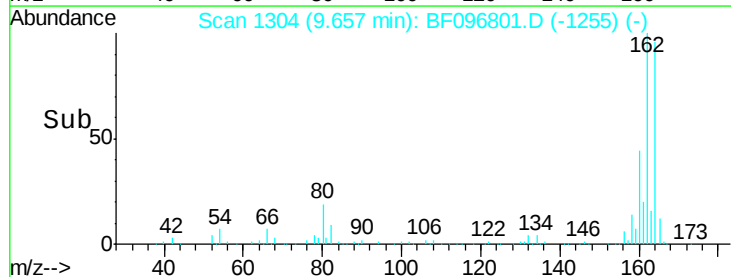
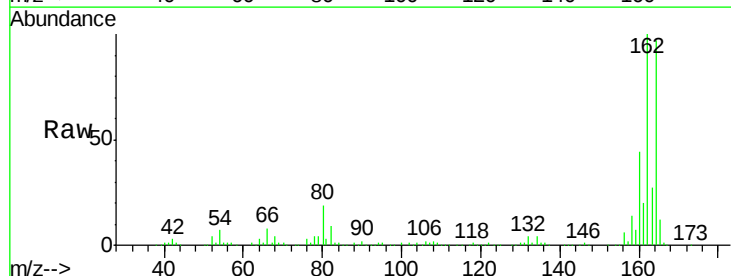
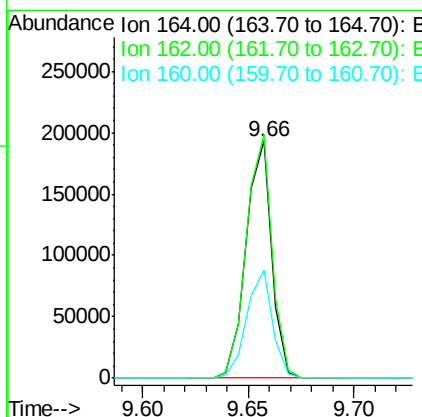
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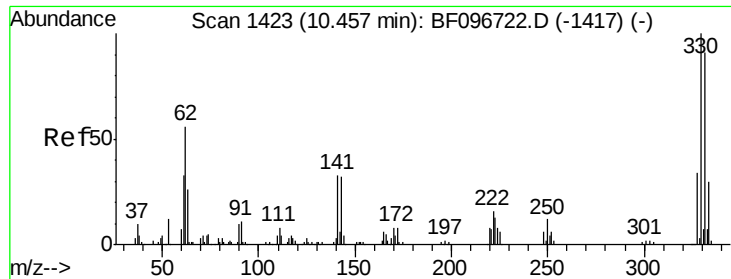
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.66 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF096801.D
 Acq: 15 Jul 2017 5:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	102.9	82.6	123.8
160	45.6	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 75.920 ng

RT: 10.44 min Scan# 1437

Delta R.T. -0.02 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Instrument :

BNA_F

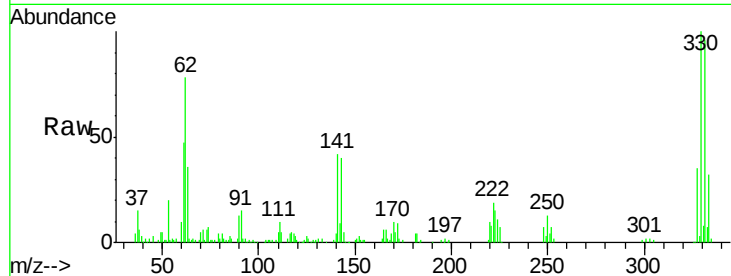
ClientSampleId :

SU-04-071217

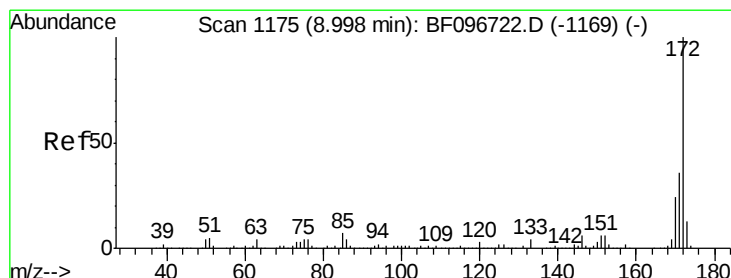
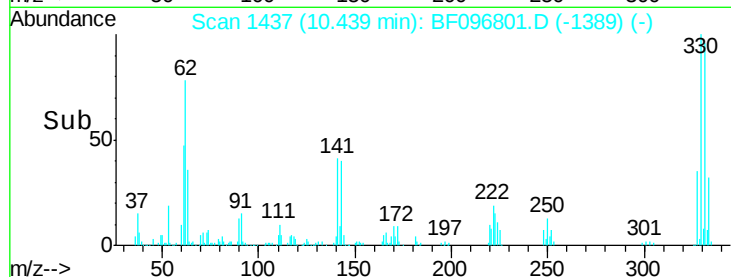
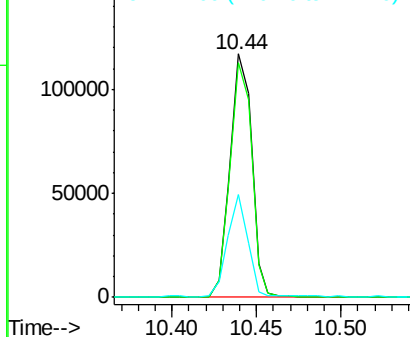
Tgt Ion:	330	Resp:	105162
Ion Ratio	Lower	Upper	
330	100		
332	96.8	76.6	115.0
141	40.5	31.4	47.2

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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: 58.484 ng

RT: 8.99 min Scan# 1190

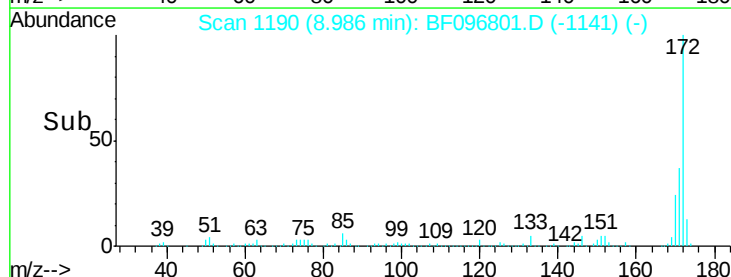
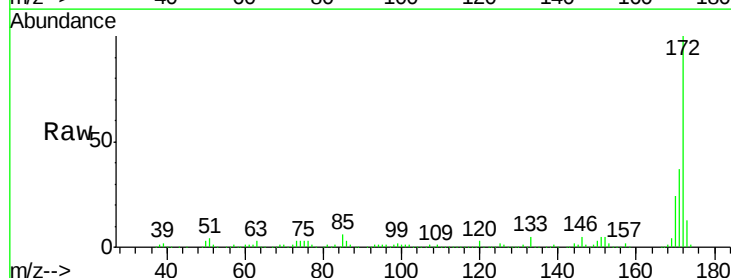
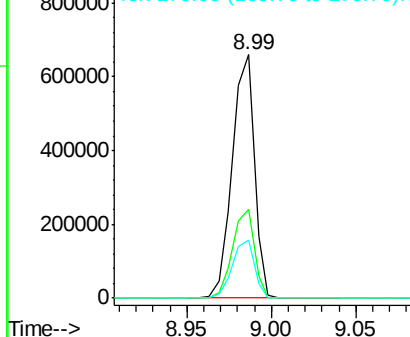
Delta R.T. -0.01 min

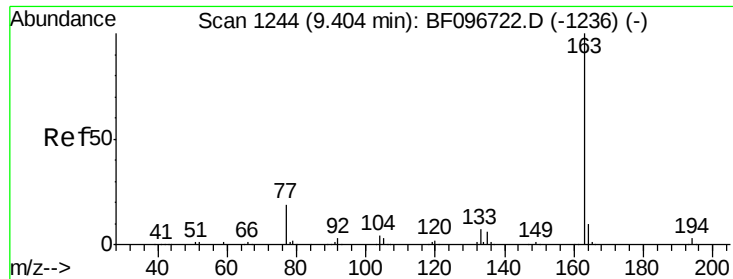
Lab File: BF096801.D

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Tgt Ion:	172	Resp:	600699
Ion Ratio	Lower	Upper	
172	100		
171	36.6	29.6	44.4
170	24.0	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





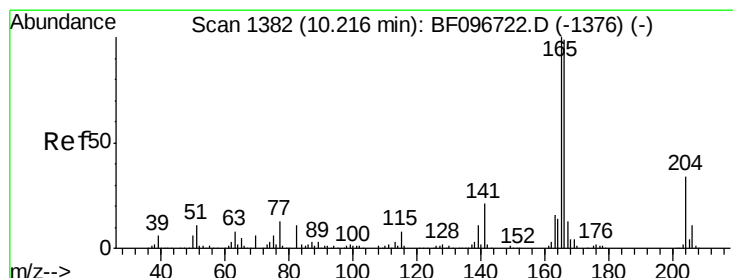
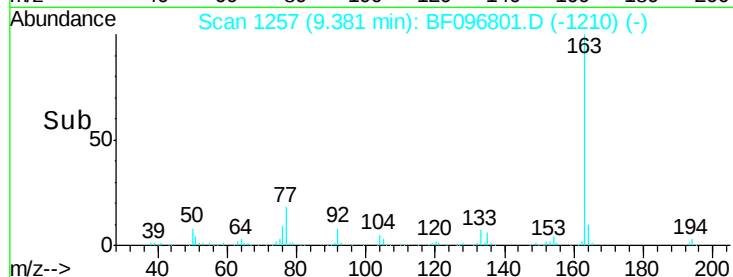
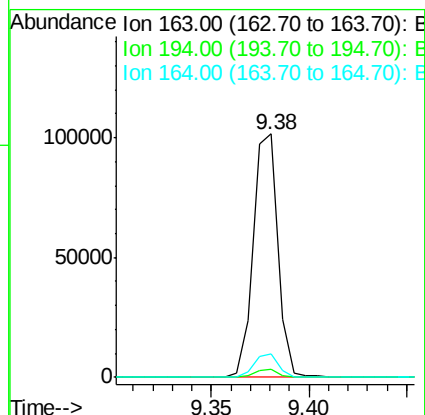
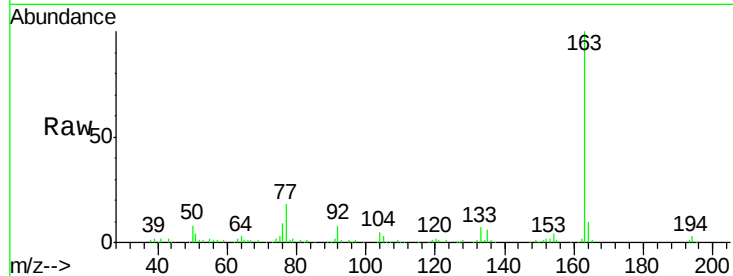
#49
Dimethylphthalate
Concen: 7.274 ng
RT: 9.38 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Instrument :
BNA_F
ClientSampled :
SU-04-071217

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.7	8.4	12.6

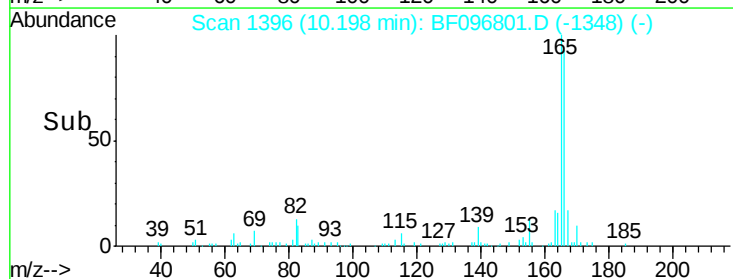
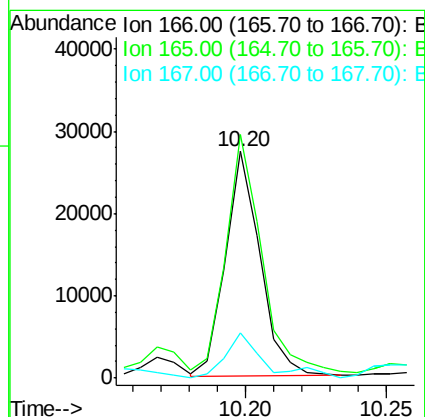
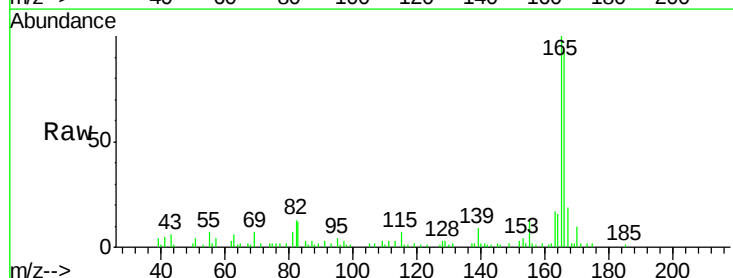
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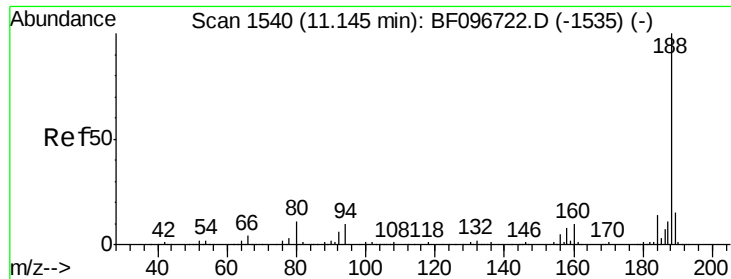
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#57
Fluorene
Concen: 2.333 ng
RT: 10.20 min Scan# 1396
Delta R.T. -0.02 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	107.3	78.8	118.2
167	19.9	10.6	16.0#





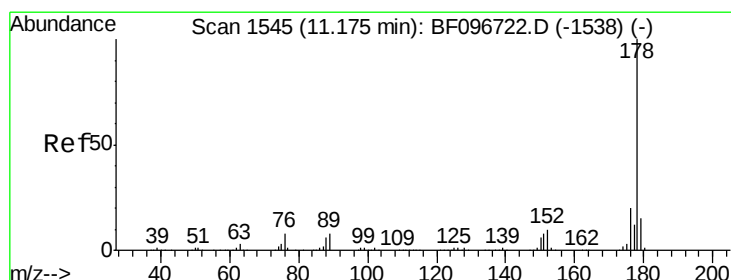
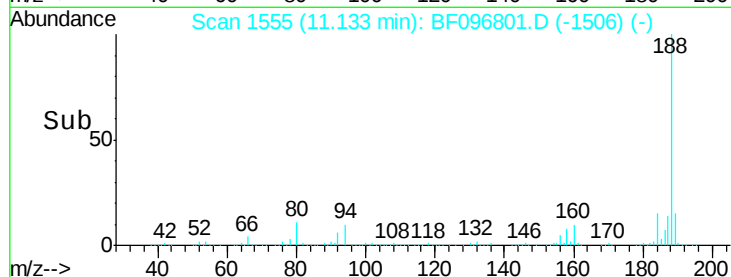
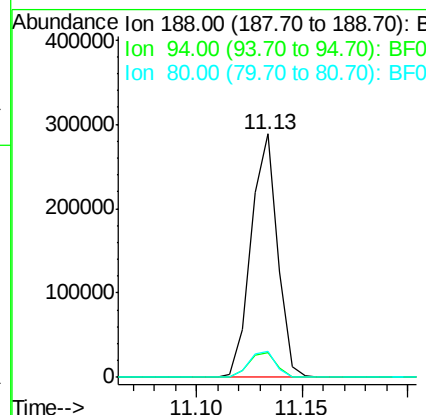
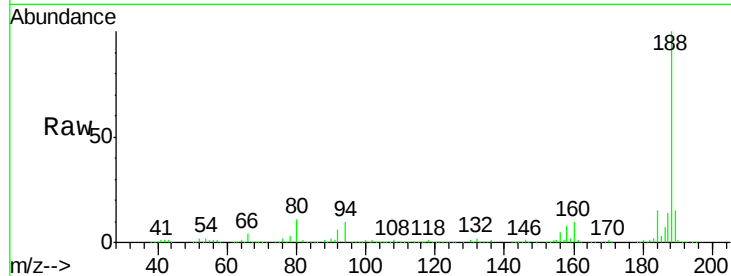
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.13 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Instrument :
BNA_F
ClientSampleId :
SU-04-071217

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	9.4	14.2
80	10.7	10.2	15.2

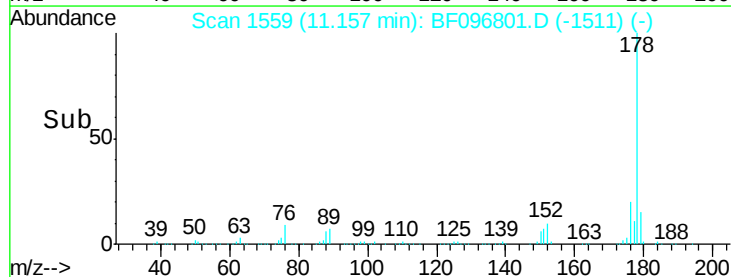
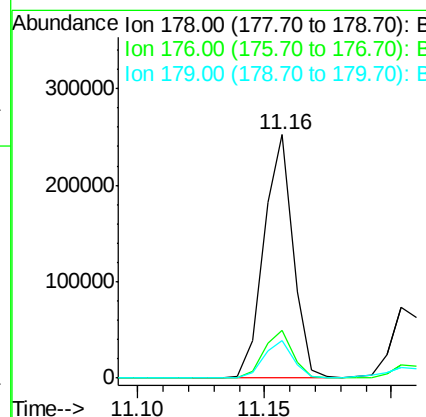
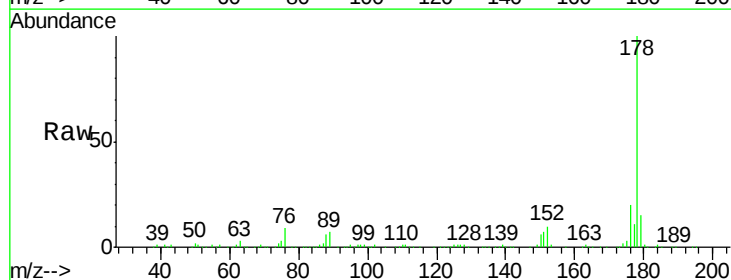
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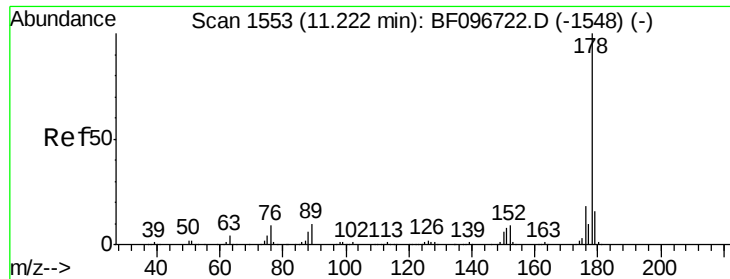
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#70
Phenanthrene
Concen: 14.904 ng
RT: 11.16 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.2	12.6	19.0





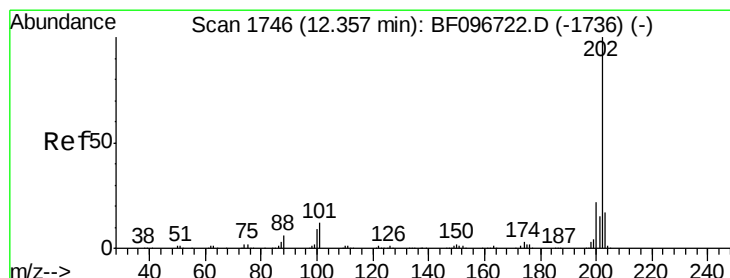
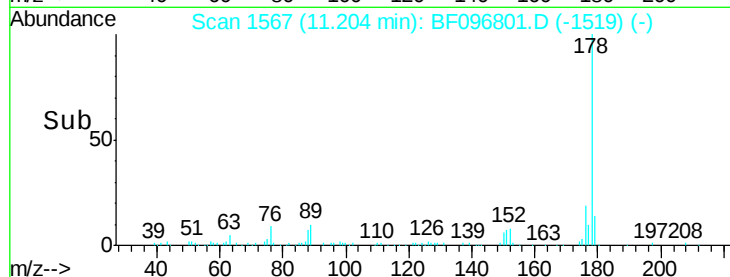
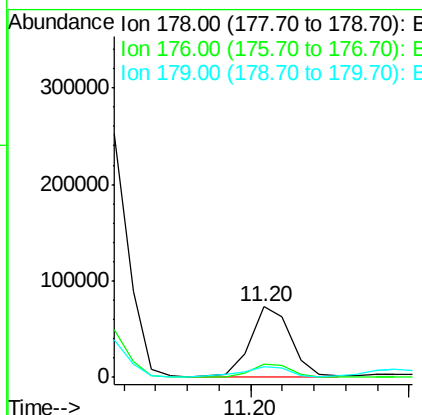
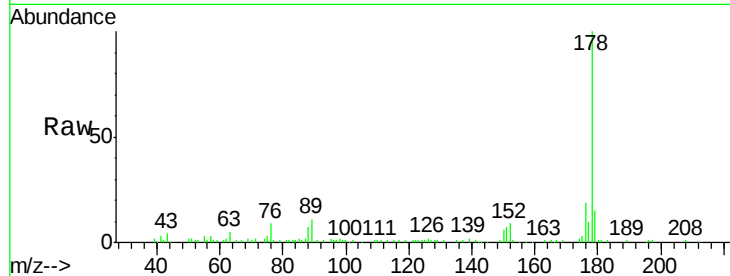
#71
 Anthracene
 Concen: 4.619 ng
 RT: 11.20 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF096801.D
 Acq: 15 Jul 2017 5:02

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071217

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.6	12.7	19.1

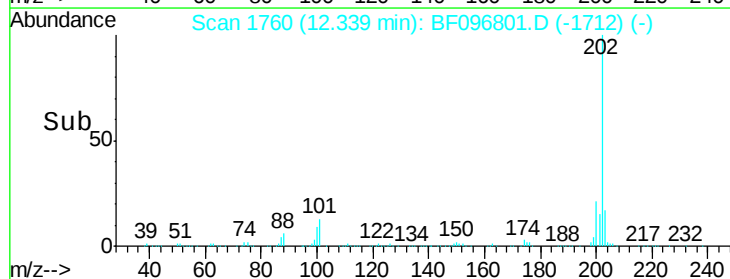
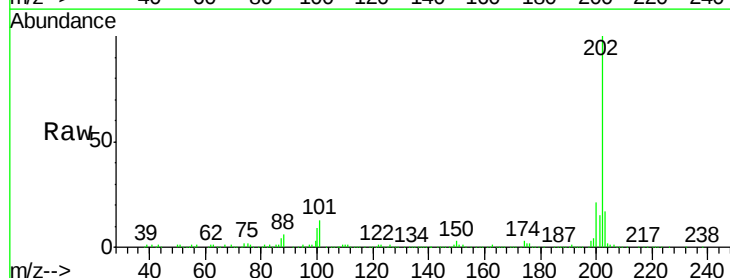
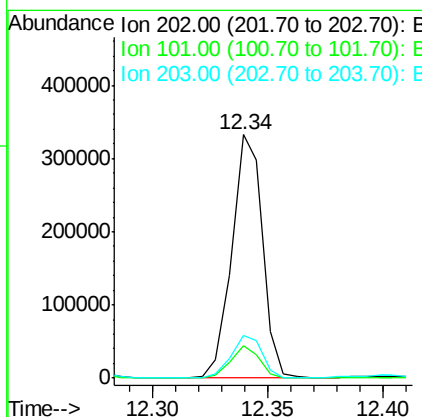
Manual Integrations
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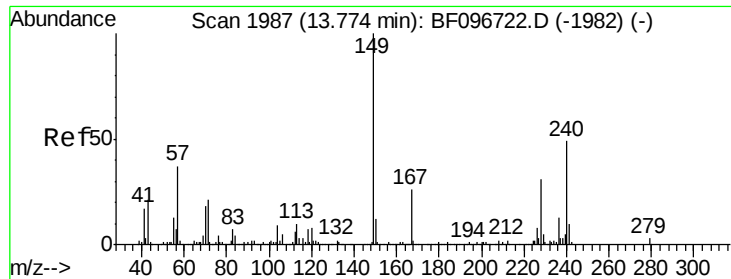
mohammad
 7/17/2017 3:57:43 PM



#74
 Fluoranthene
 Concen: 23.413 ng
 RT: 12.34 min Scan# 1760
 Delta R.T. -0.02 min
 Lab File: BF096801.D
 Acq: 15 Jul 2017 5:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.76 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Instrument :

BNA_F

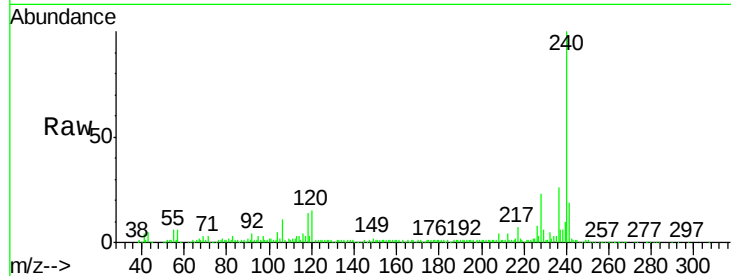
ClientSampleId :

SU-04-071217

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	205956		
120	15.0	5.8	8.8#	
236	26.4	20.5	30.7	

Manual Integrations
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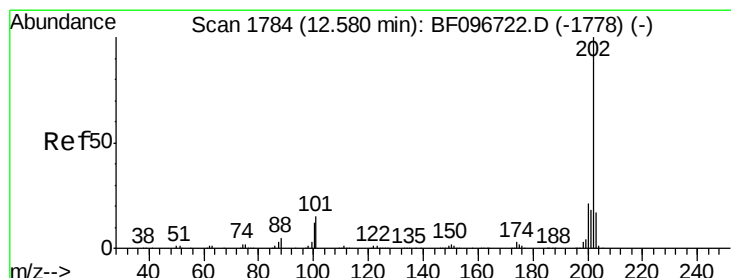
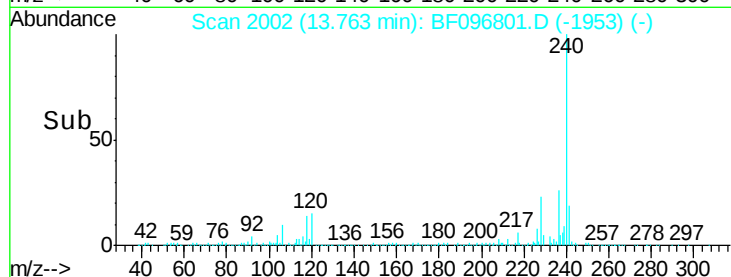
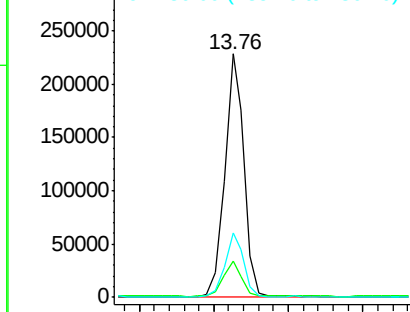
mohammad
7/17/2017 3:57:43 PM



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: 17.767 ng

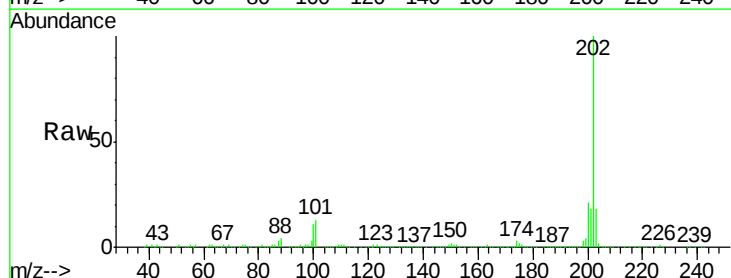
RT: 12.57 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

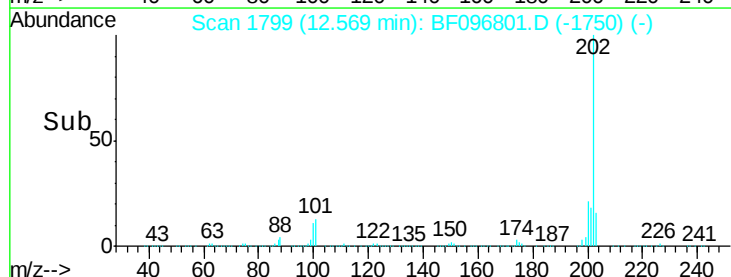
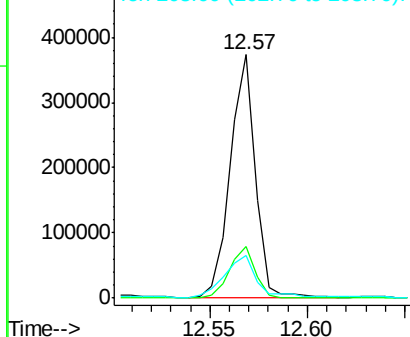
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	332100		
200	21.2	17.6	26.4	
203	17.7	14.4	21.6	

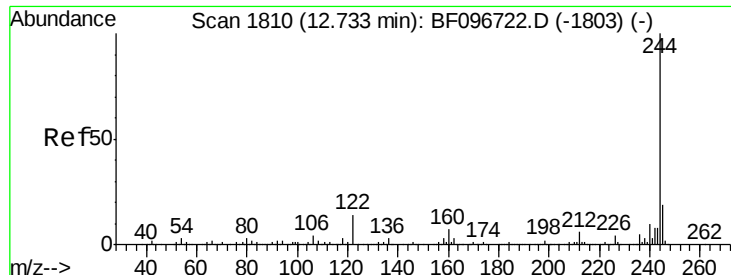


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





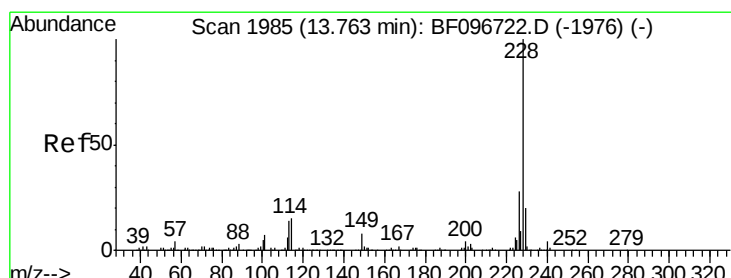
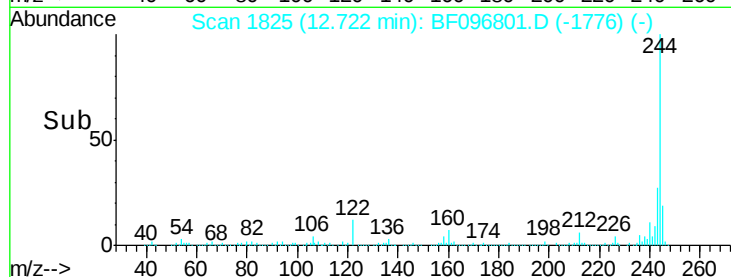
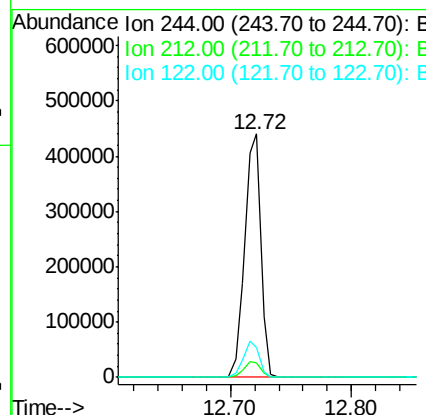
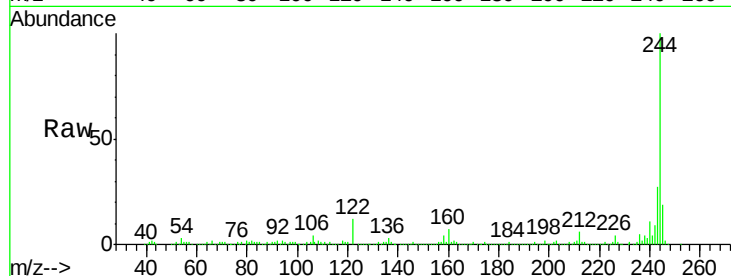
#78
 Terphenyl-d14
 Concen: 34.822 ng
 RT: 12.72 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF096801.D
 Acq: 15 Jul 2017 5:02

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071217

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.0	9.0
122	12.3	10.3	15.5

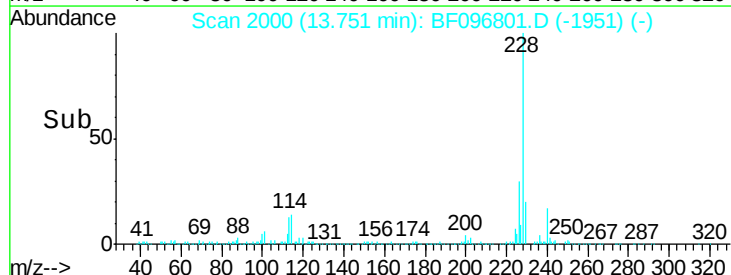
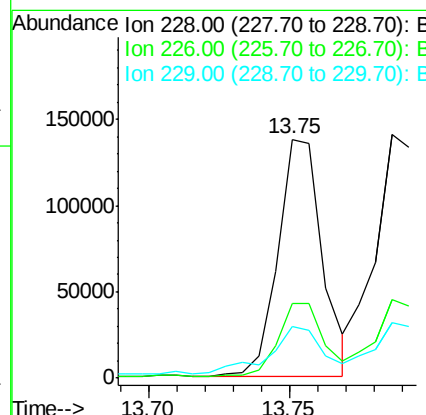
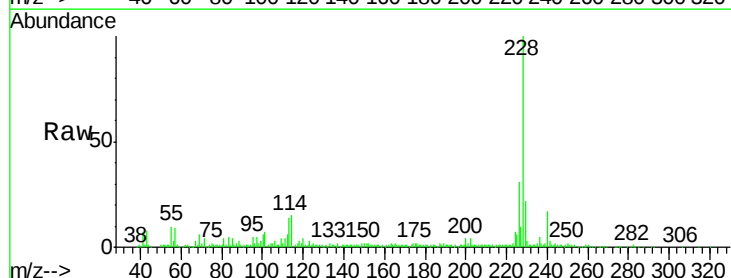
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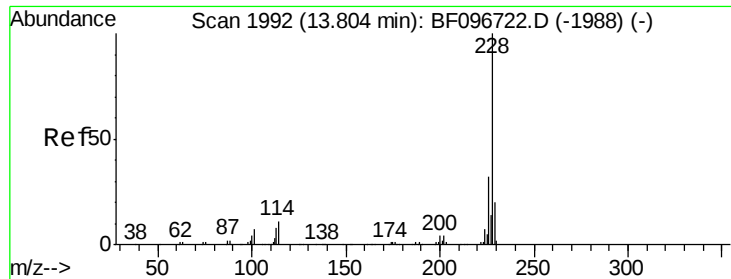
mohammad
 7/17/2017 3:57:43 PM



#80
 Benzo(a)anthracene
 Concen: 11.604 ng
 RT: 13.75 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF096801.D
 Acq: 15 Jul 2017 5:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.6	33.8
229	21.8	16.3	24.5





#82

Chrysene

Concen: 11.773 ng

RT: 13.79 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Instrument :

BNA_F

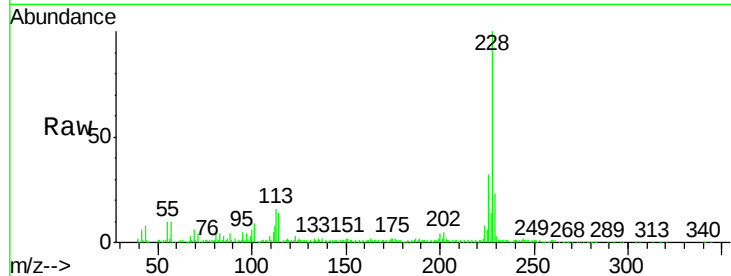
ClientSampleId :

SU-04-071217

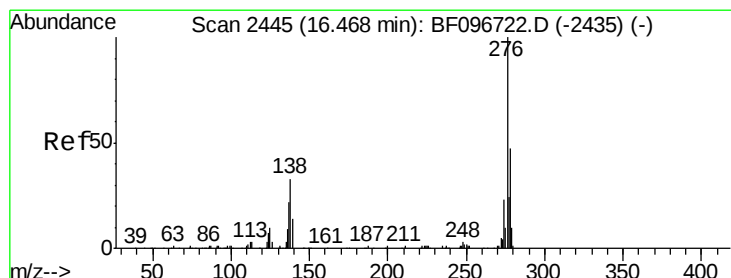
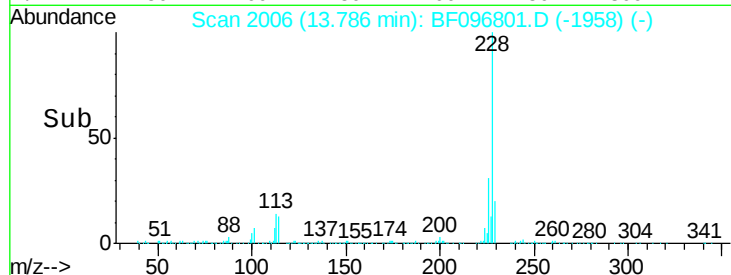
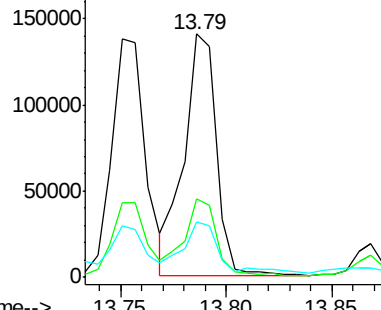
Tgt Ion:	228	Resp:	148728
Ion Ratio	Lower	Upper	
228	100		
226	32.3	24.9	37.3
229	22.9	15.8	23.6

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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: 7.009 ng

RT: 16.45 min Scan# 2459

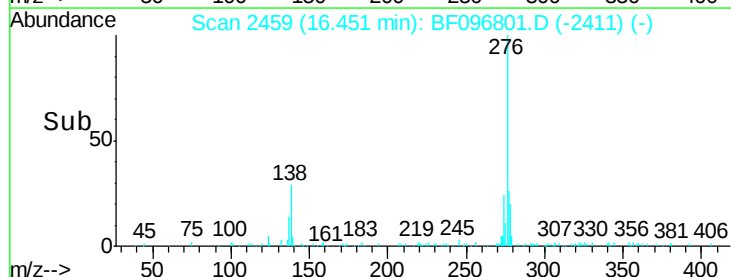
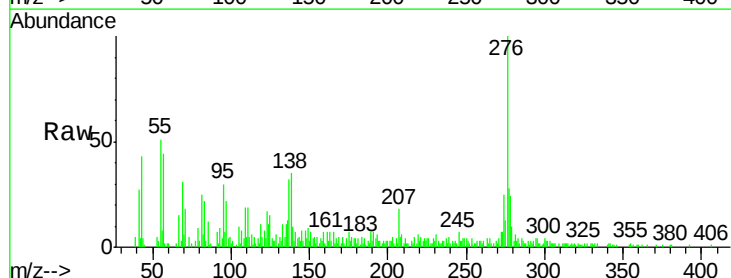
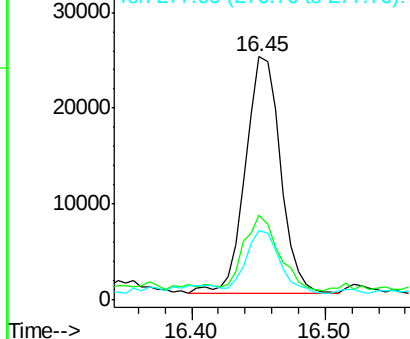
Delta R.T. -0.02 min

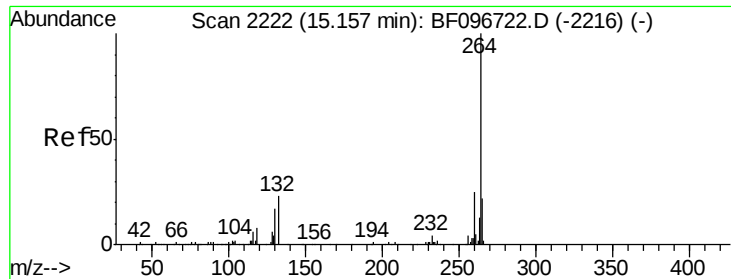
Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Tgt Ion:	276	Resp:	44884
Ion Ratio	Lower	Upper	
276	100		
138	31.3	27.8	41.6
277	26.2	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





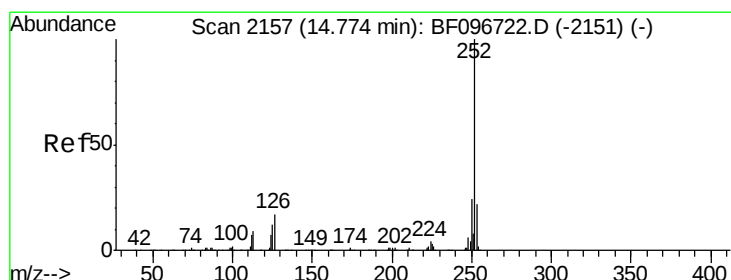
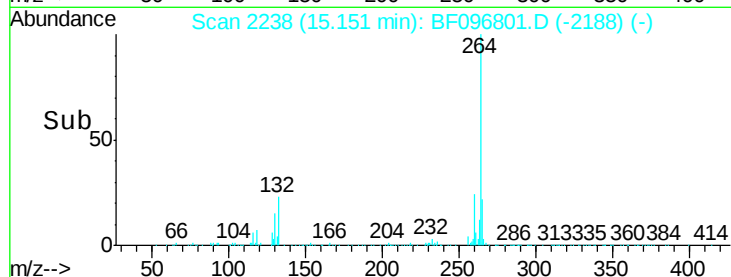
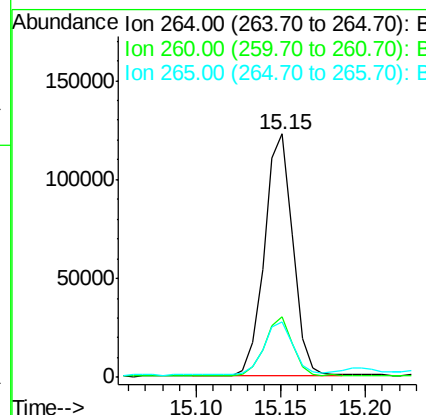
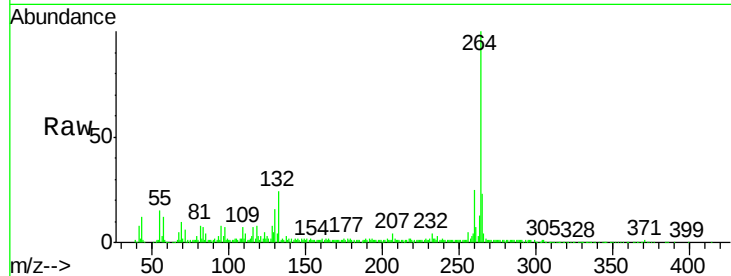
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.15 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Instrument :
BNA_F
ClientSampleId :
SU-04-071217

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.6	17.2	25.8

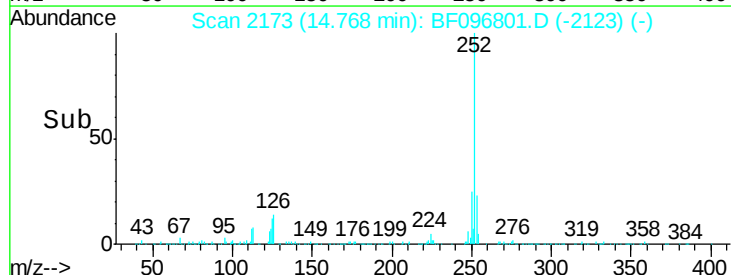
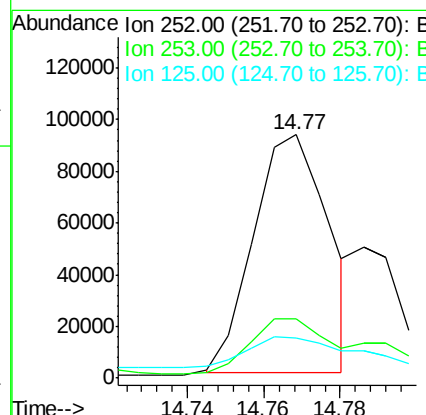
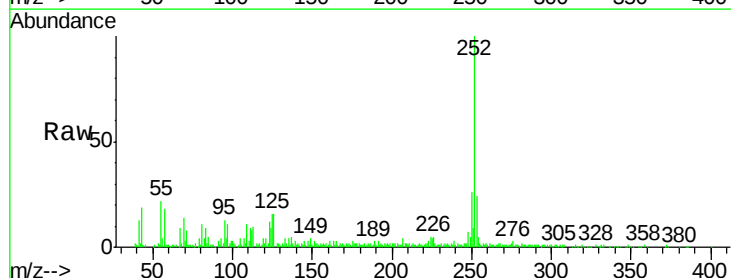
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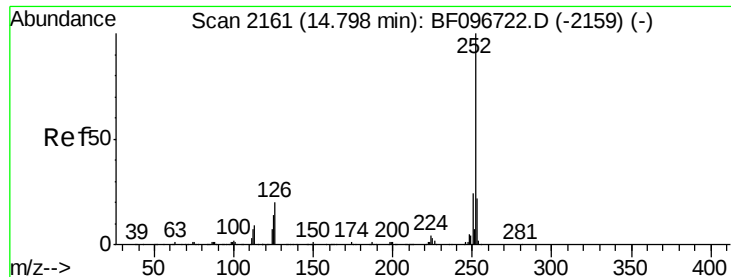
mohammad
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#87
Benzo(b)fluoranthene
Concen: 14.544 ng m
RT: 14.77 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	16.5	9.8	14.8





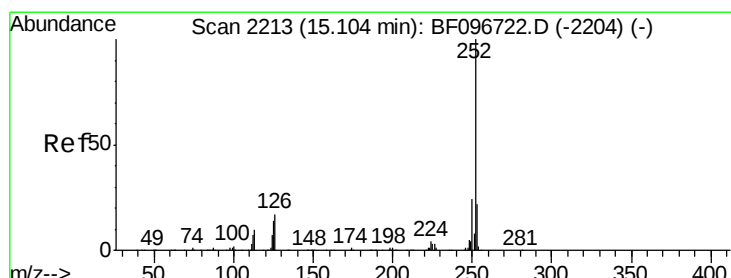
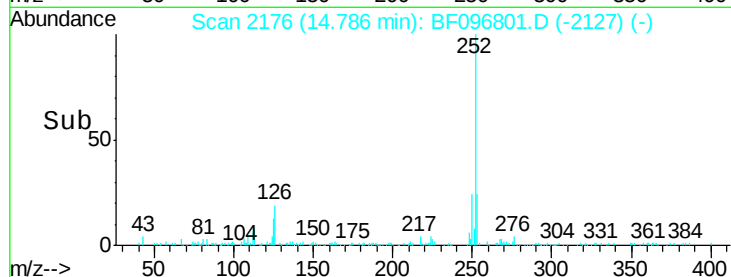
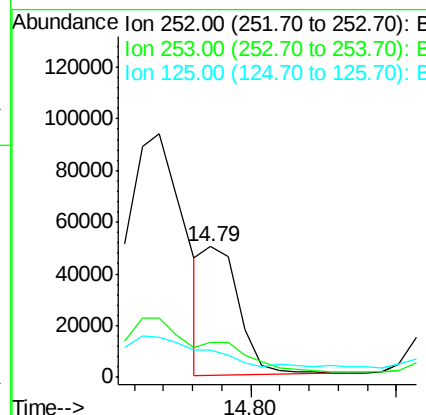
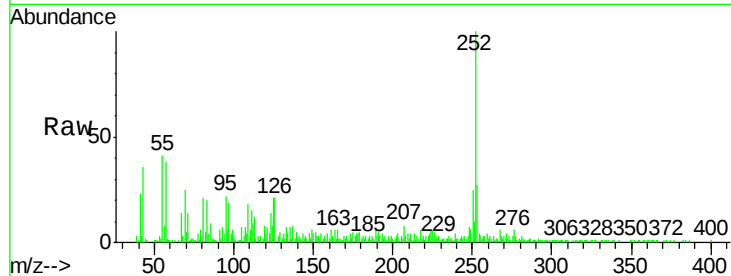
#88
Benzo(k)fluoranthene
Concen: 5.182 ng m
RT: 14.79 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Instrument :
BNA_F
ClientSampleId :
SU-04-071217

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.4	27.6
125	20.7	13.1	19.7

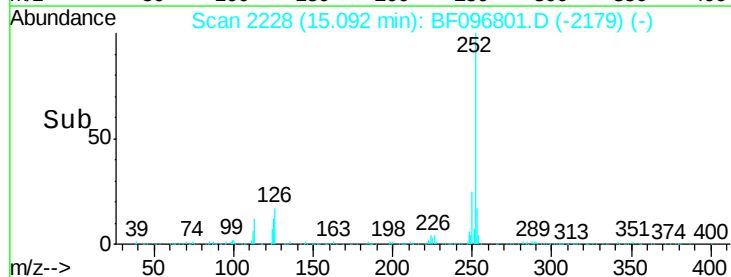
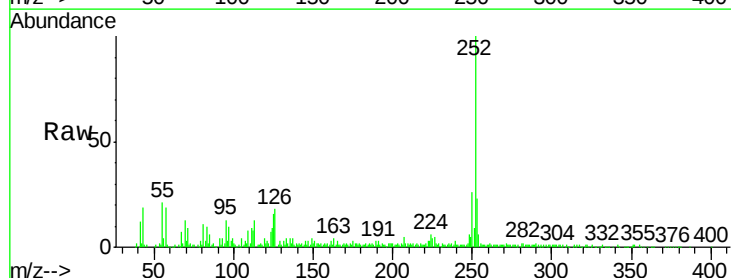
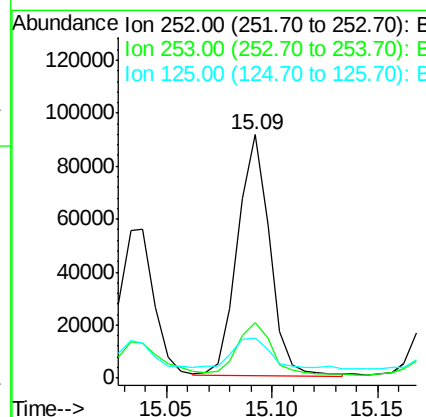
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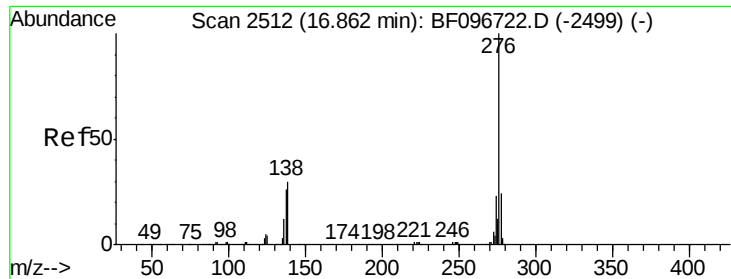
mohammad
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#89
Benzo(a)pyrene
Concen: 12.123 ng
RT: 15.09 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	16.4	11.0	16.4





#91
 Benzo(g,h,i)perylene
 Concen: 5.875 ng
 RT: 16.84 min Scan# 2526
 Delta R.T. -0.02 min
 Lab File: BF096801.D
 Acq: 15 Jul 2017 5:02

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071217

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.6	28.0
138	37.1	25.4	38.0

Manual Integrations
 APPROVED

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