

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
 Data File : BF095939.D
 Acq On : 15 Jun 2017 00:05
 Operator : SJ/MA
 Sample : I3660-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-72-11941

Manual Integrations
 APPROVED

mohammad
 6/15/2017 3:55:34 PM

Quant Time: Jun 15 03:02:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	72998	20.00	ng	-0.06
21) Naphthalene-d8	9.36	136	293217	20.00	ng	-0.07
38) Acenaphthene-d10	12.19	164	126803	20.00	ng	-0.07
63) Phenanthrene-d10	14.58	188	198596	20.00	ng	-0.06
75) Chrysene-d12	18.30	240	152485	20.00	ng	-0.06
86) Perylene-d12	19.97	264	121806	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	666159	145.41	ng	-0.05
7) Phenol-d6	6.91	99	785849	143.29	ng	-0.05
23) Nitrobenzene-d5	8.26	82	461871	97.83	ng	-0.06
41) 2,4,6-Tribromophenol	13.48	330	136610	121.77	ng	-0.07
44) 2-Fluorobiphenyl	11.15	172	857359	94.09	ng	-0.07
78) Terphenyl-d14	16.96	244	558560	90.91	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	11.84	163	126637	13.15	ng	99
74) Fluoranthene	16.40	202	93156	8.21	ng	99
77) Pyrene	16.70	202	96794	8.51	ng	96
80) Benzo(a)anthracene	18.29	228	60274	6.80	ng	95
82) Chrysene	18.33	228	58572	6.61	ng	99
85) Indeno(1,2,3-cd)pyrene	21.14	276	42887	5.66	ng	# 90
87) Benzo(b)fluoranthene	19.57	252	90445	11.86	ng	98
88) Benzo(k)fluoranthene	19.60	252	31712m	4.35	ng	
89) Benzo(a)pyrene	19.92	252	62985	8.98	ng	96
91) Benzo(g,h,i)perylene	21.47	276	42722	7.05	ng	96

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

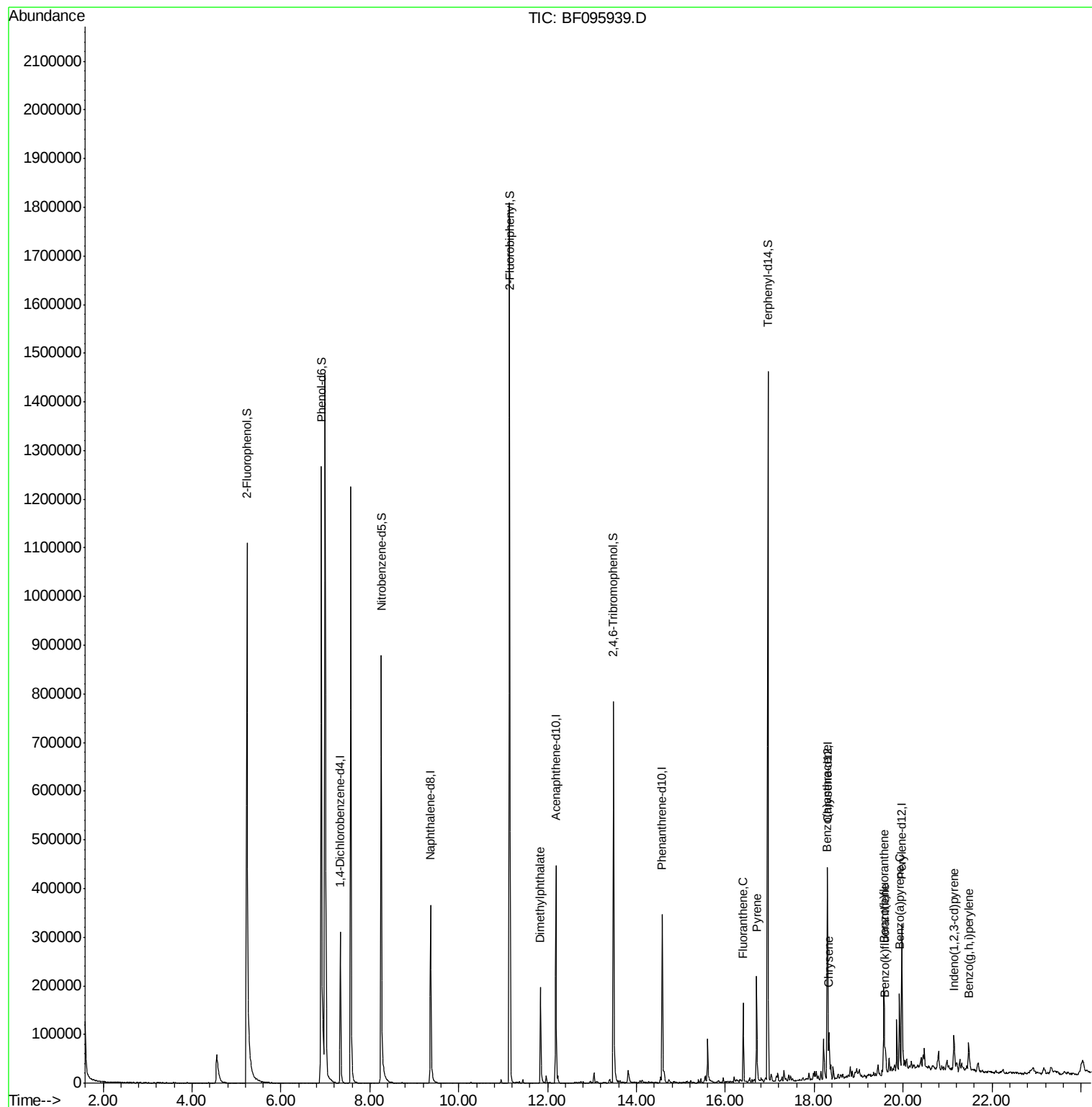
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
Data File : BF095939.D
Acq On : 15 Jun 2017 00:05
Operator : SJ/MA
Sample : I3660-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-72-11941

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration





#1

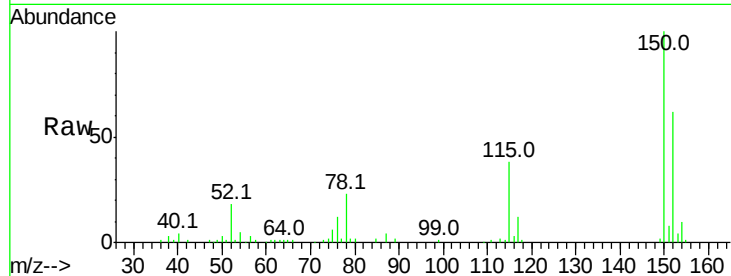
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 977
Delta R.T. -0.06 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Instrument :
BNA_F
ClientSampleId :
RO-72-11941

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	126.2	189.2
115	61.2	52.2	78.2

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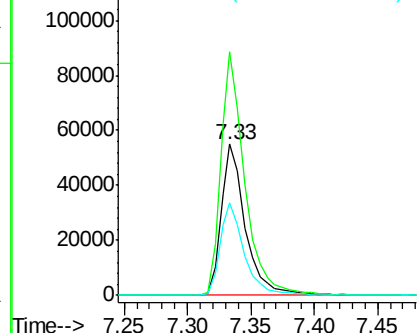
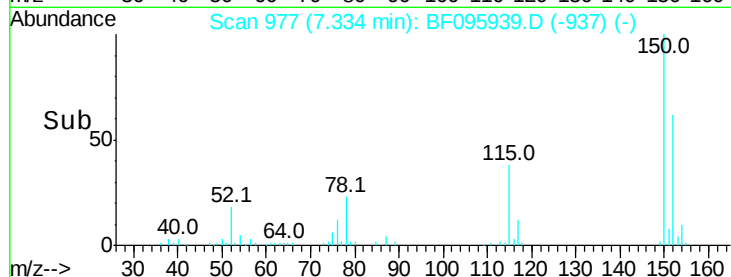


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

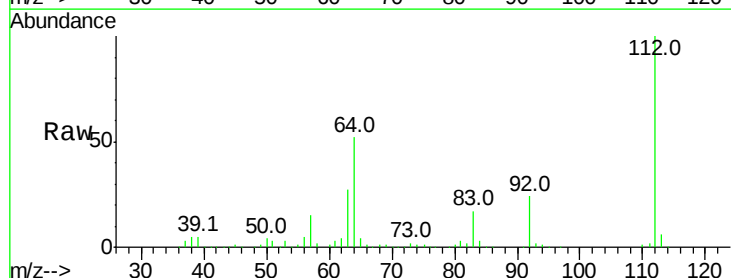
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 145.41 ng
RT: 5.23 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	46.0	69.0
63	26.9	23.4	35.0

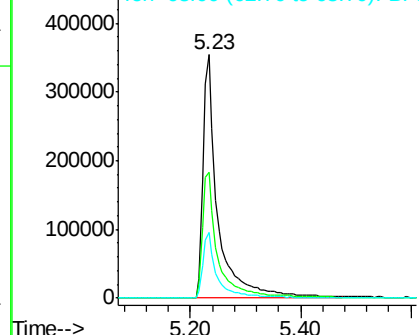
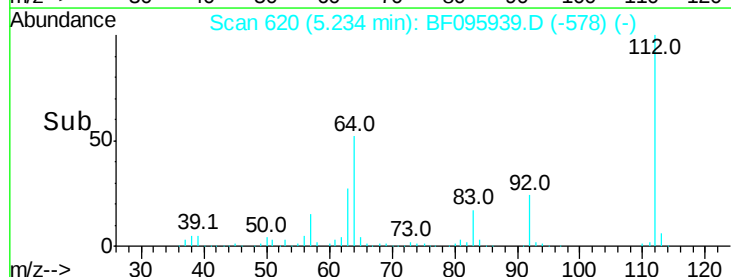


Abundance

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: 143.29 ng

RT: 6.91 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

Instrument :

BNA_F

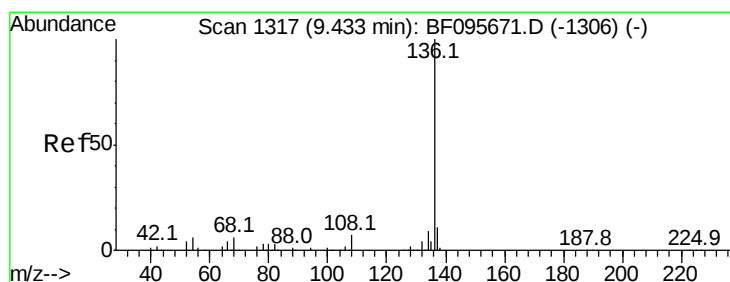
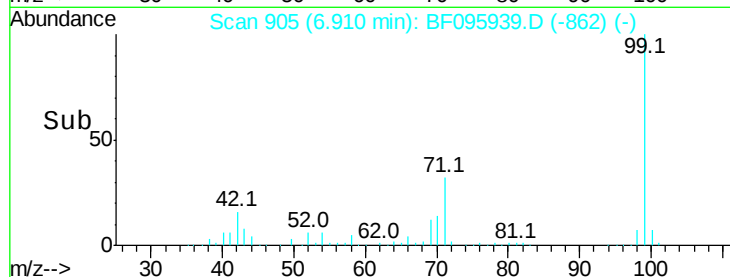
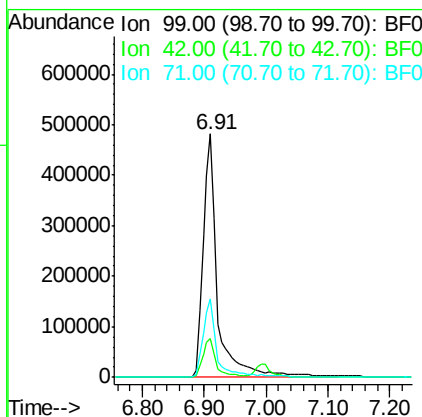
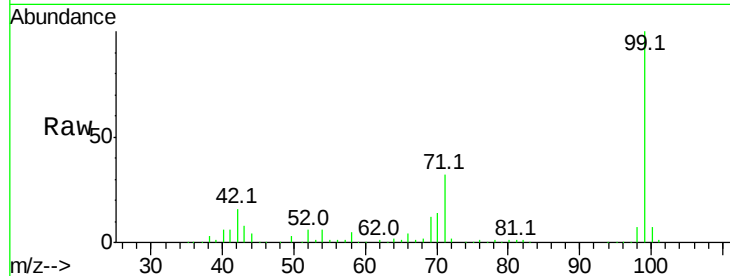
ClientSampleId :

RO-72-11941

Tot Ion:	99	Resp:	785849
Ion Ratio	Lower	Upper	
99	100		
42	15.9	13.5	20.3
71	32.2	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

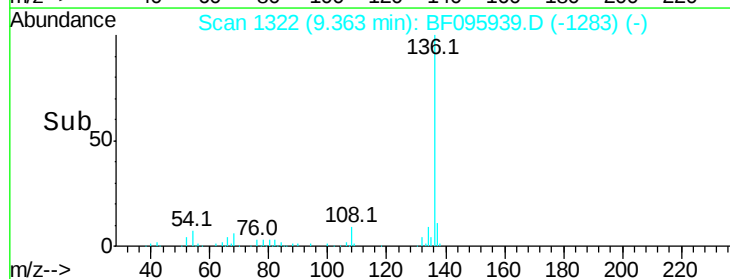
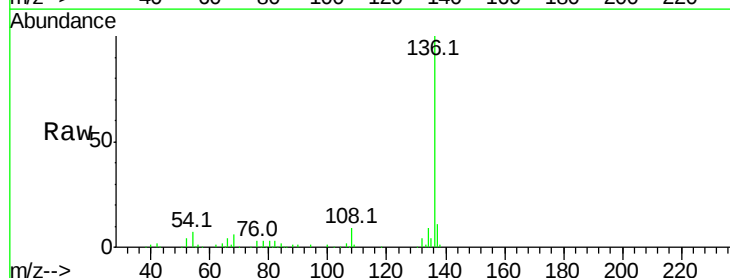
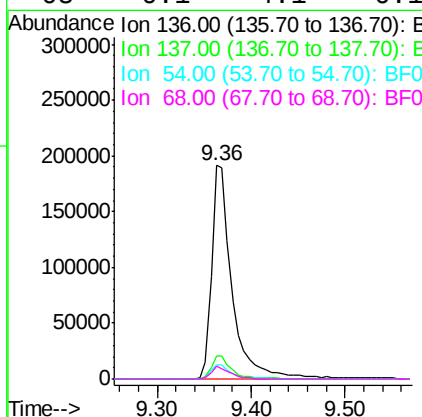
RT: 9.36 min Scan# 1322

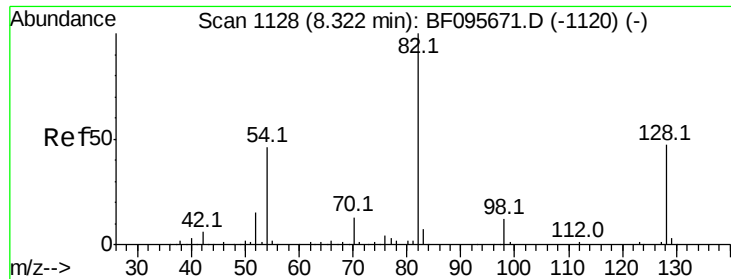
Delta R.T. -0.07 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

Tgt Ion:	136	Resp:	293217
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	6.8	4.9	7.3
68	6.1	4.1	6.1





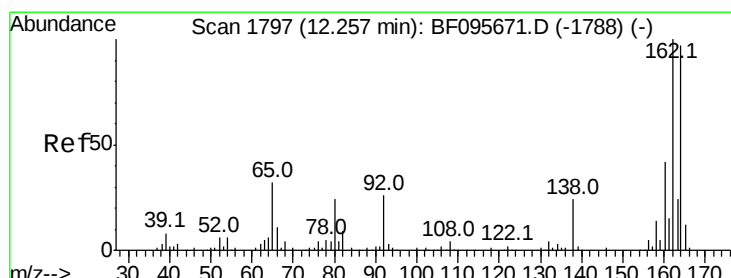
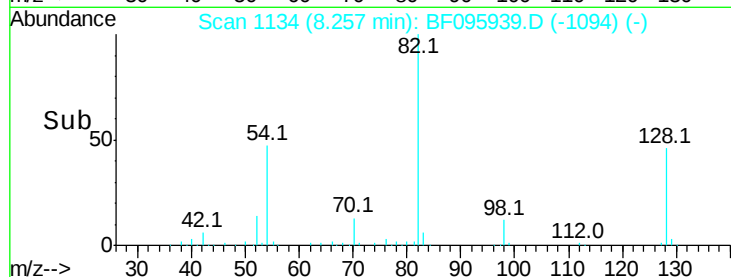
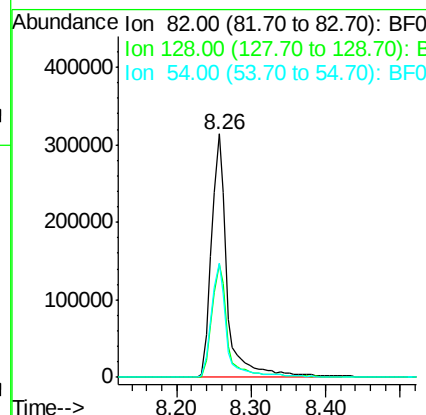
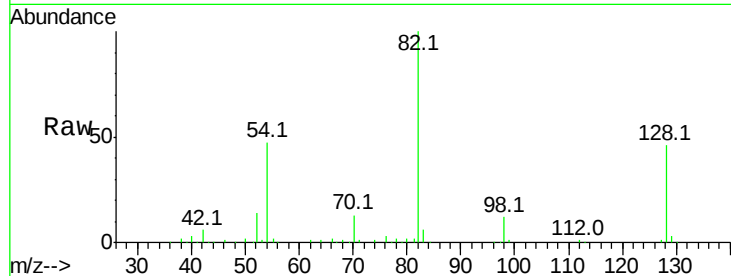
#23
Nitrobenzene-d5
Concen: 97.83 ng
RT: 8.26 min Scan# 1134
Delta R.T. -0.06 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Instrument :
BNA_F
ClientSampleId :
RO-72-11941

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.0	51.0
54	46.7	42.2	63.2

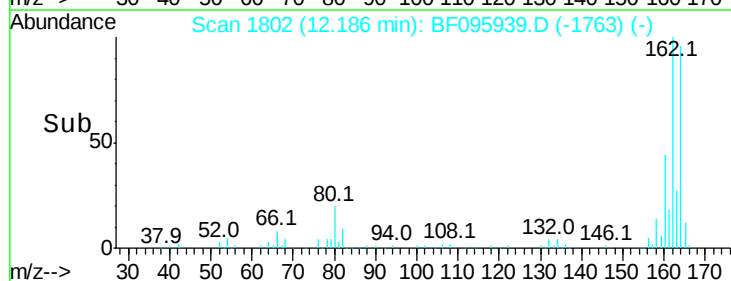
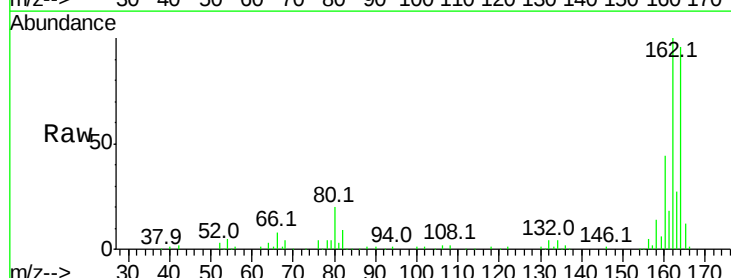
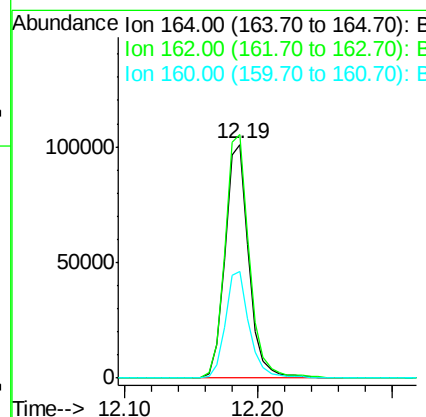
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.19 min Scan# 1802
Delta R.T. -0.07 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.6	123.8
160	45.7	36.2	54.2





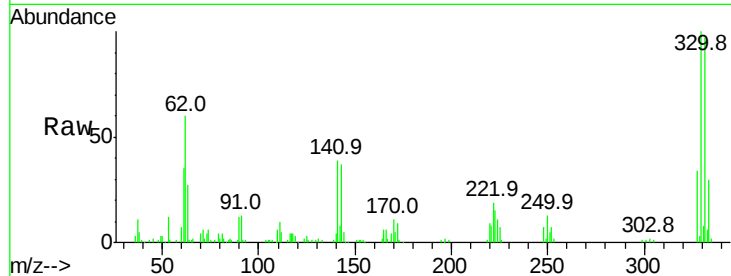
#41
2,4,6-Tribromophenol
Concen: 121.77 ng
RT: 13.48 min Scan# 2022
Delta R.T. -0.07 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Instrument :
BNA_F
ClientSampleId :
RO-72-11941

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.8	76.6	115.0	
141	37.0	31.4	47.2	

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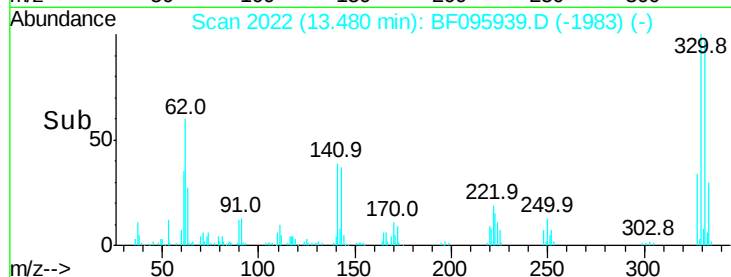
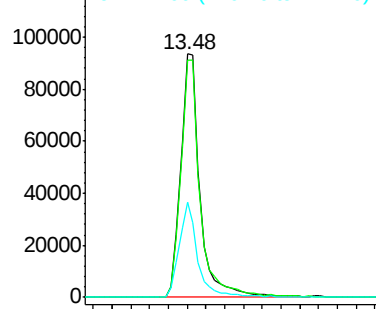


Abundance

Ion 329.80 (329.50 to 330.50): E

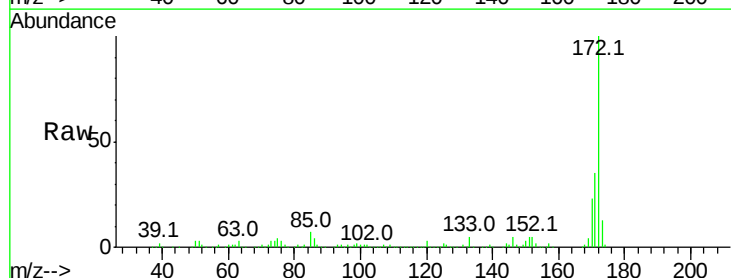
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
2-Fluorobiphenyl
Concen: 94.09 ng
RT: 11.15 min Scan# 1625
Delta R.T. -0.07 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	29.6	44.4	
170	23.4	19.8	29.8	

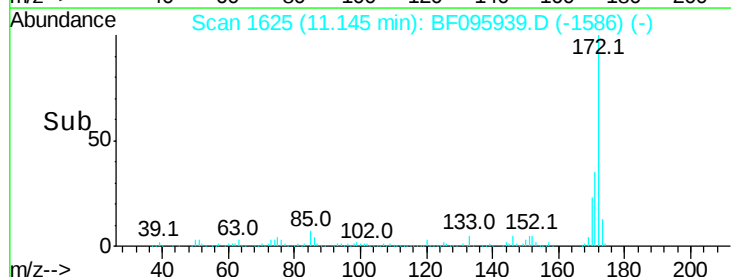
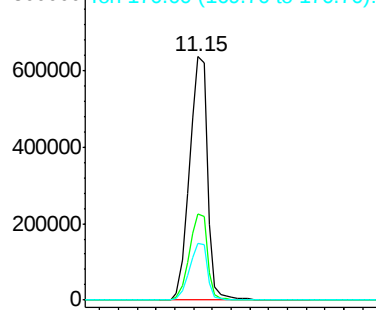


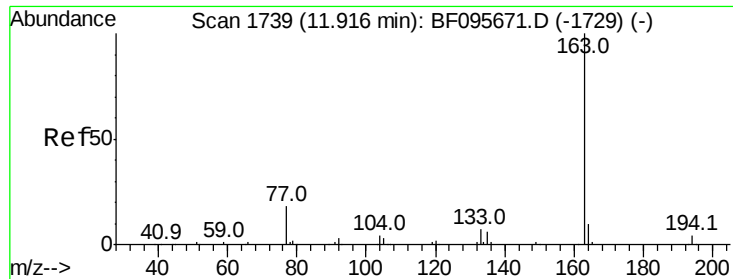
Abundance

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





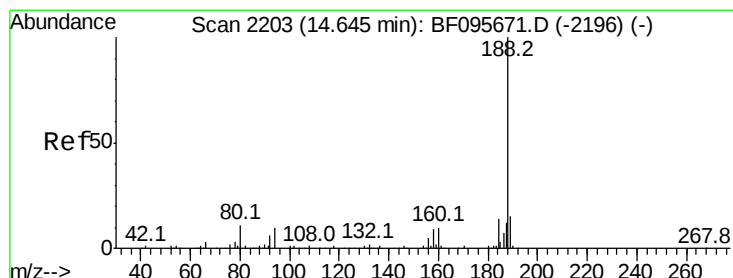
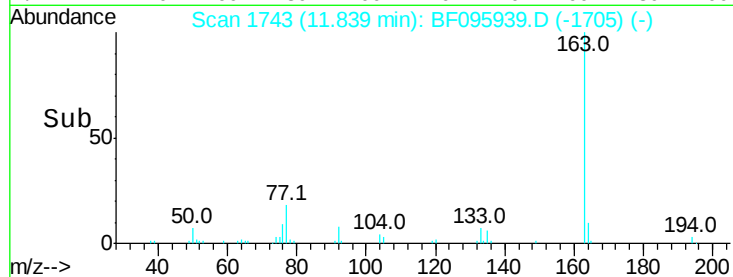
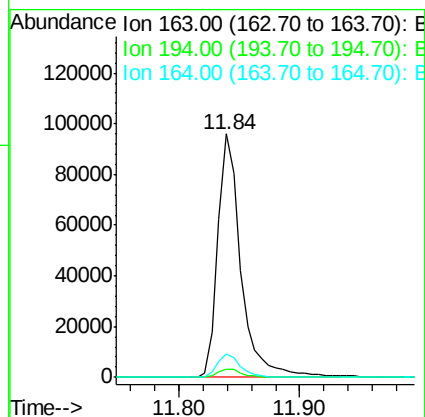
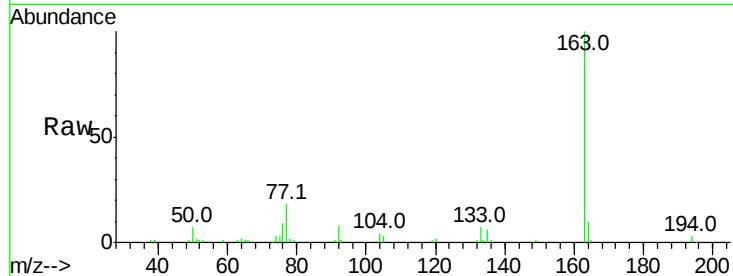
#49
Dimethylphthalate
Concen: 13.15 ng
RT: 11.84 min Scan# 1743
Delta R.T. -0.08 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Instrument :
BNA_F
ClientSampleId :
RO-72-11941

Tot Ion	Ratio	Resp	Lower	Upper
163	100	126637		
194	3.4		2.6	4.0
164	9.8		8.4	12.6

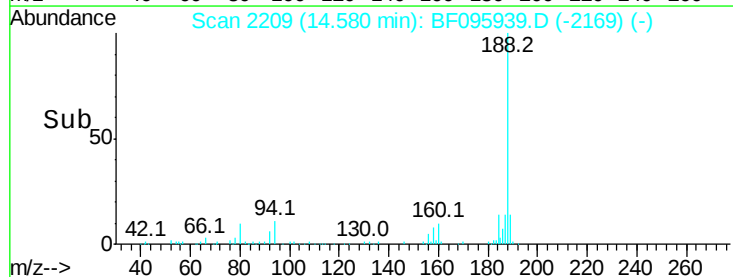
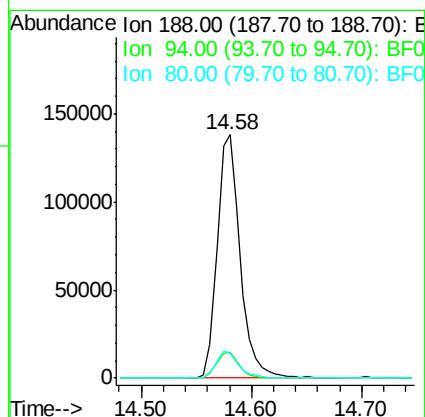
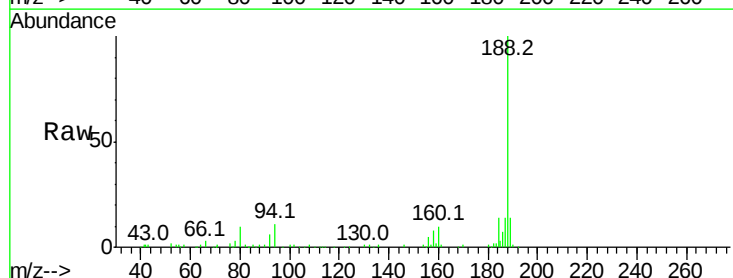
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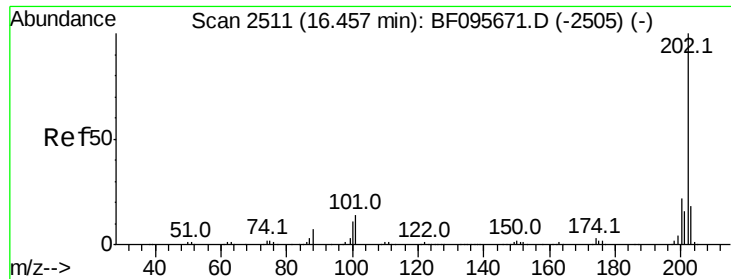
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.58 min Scan# 2209
Delta R.T. -0.06 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	198596		
94	10.6		9.4	14.2
80	10.4		10.2	15.2





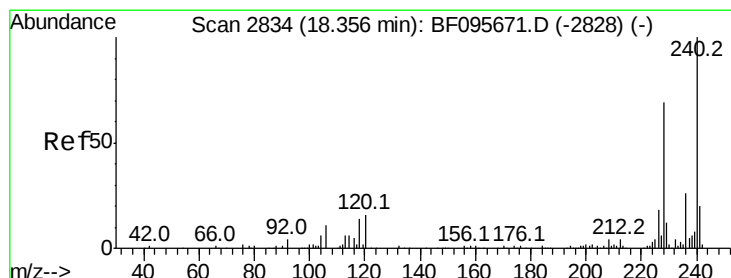
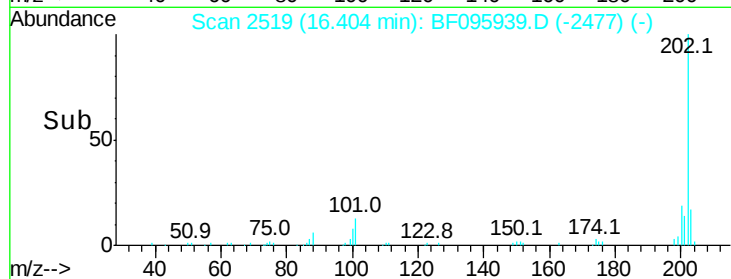
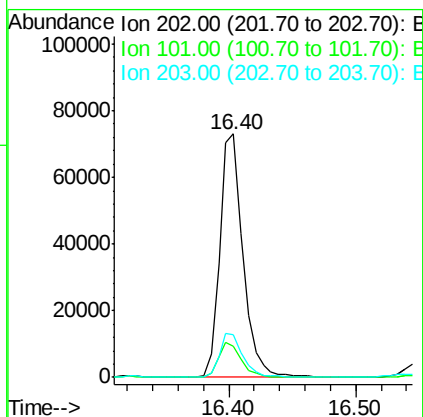
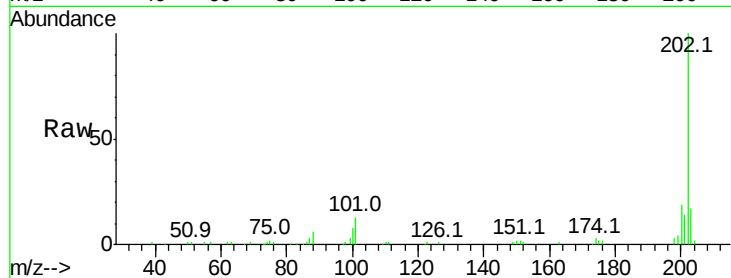
#74
Fluoranthene
 Concen: 8.21 ng
 RT: 16.40 min Scan# 2519
 Delta R.T. -0.05 min
 Lab File: BF095939.D
 Acq: 15 Jun 2017 00:05

Instrument :
 BNA_F
 ClientSampleId :
 RO-72-11941

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.7	0.0	33.2	
203	17.4	0.0	38.1	

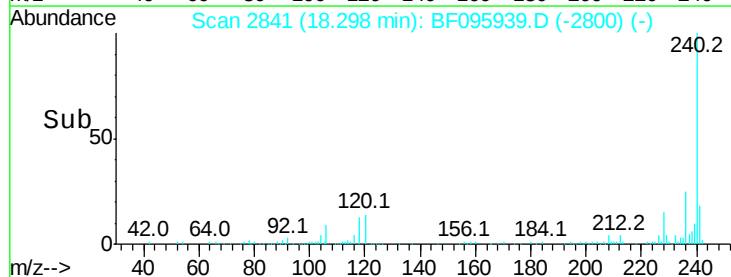
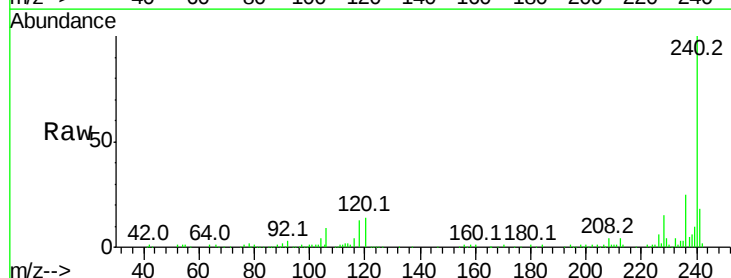
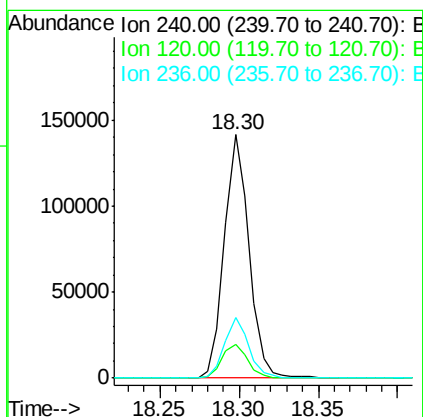
Manual Integrations
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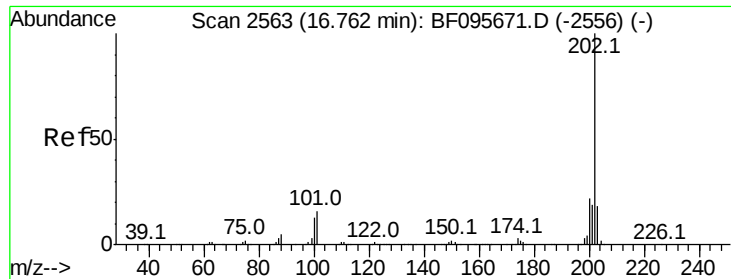
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#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 18.30 min Scan# 2841
 Delta R.T. -0.06 min
 Lab File: BF095939.D
 Acq: 15 Jun 2017 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.8	5.8	8.8#	
236	25.1	20.5	30.7	





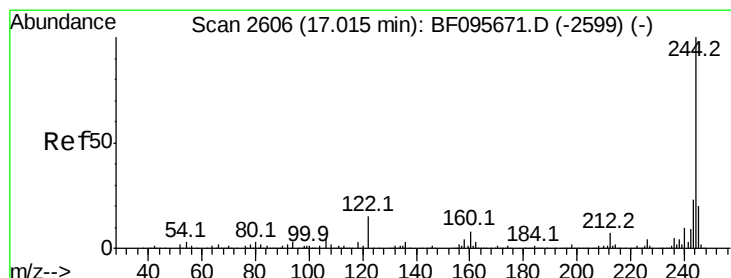
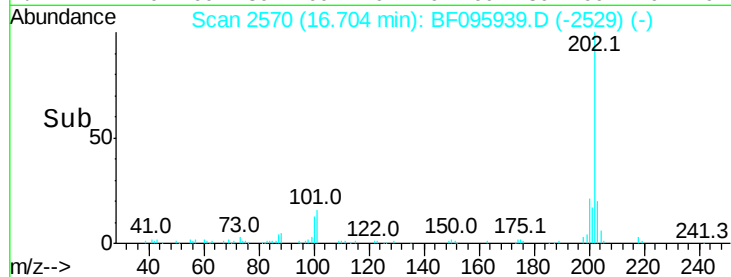
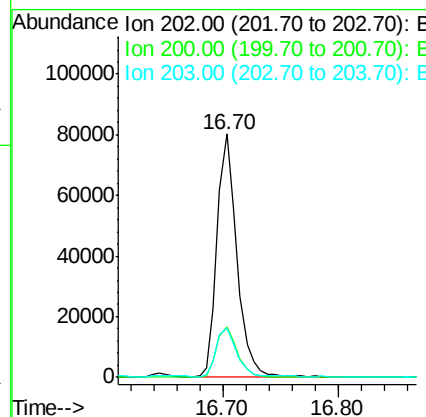
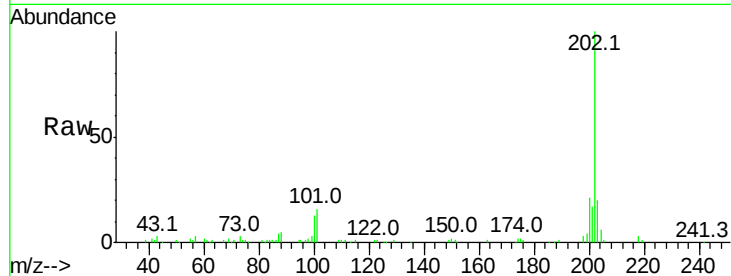
#77
Pvrene
Concen: 8.51 ng
RT: 16.70 min Scan# 2570
Delta R.T. -0.06 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Instrument :
BNA_F
ClientSampleId :
RO-72-11941

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	20.4	14.4	21.6

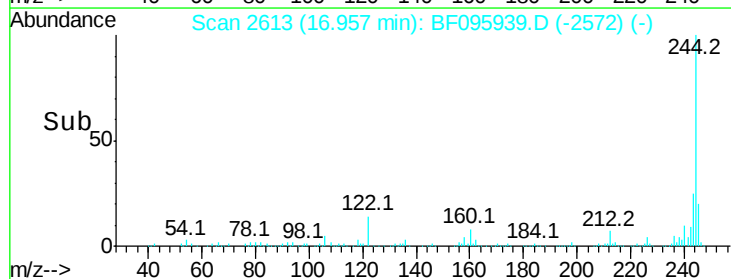
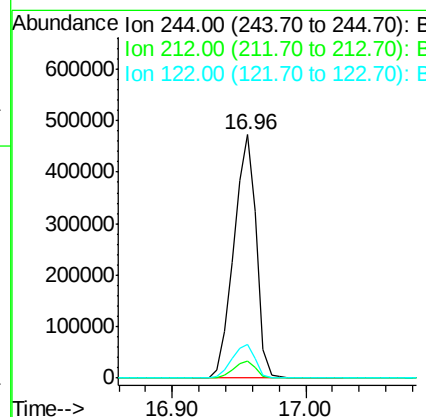
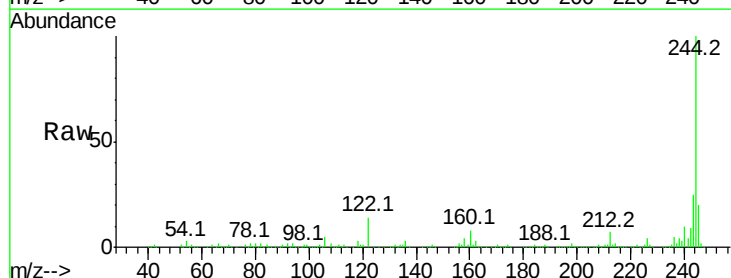
Manual Integrations
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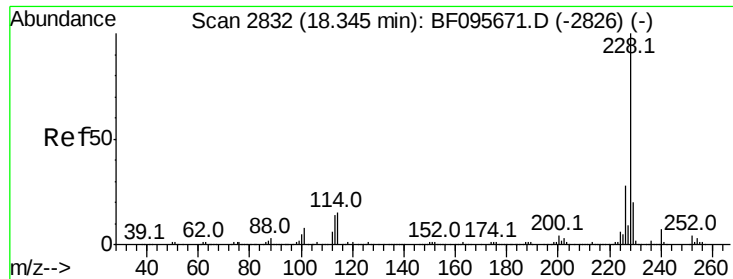
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#78
Terphenyl-d14
Concen: 90.91 ng
RT: 16.96 min Scan# 2613
Delta R.T. -0.06 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.8	10.3	15.5





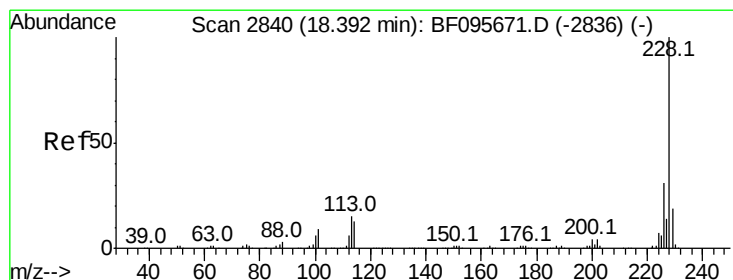
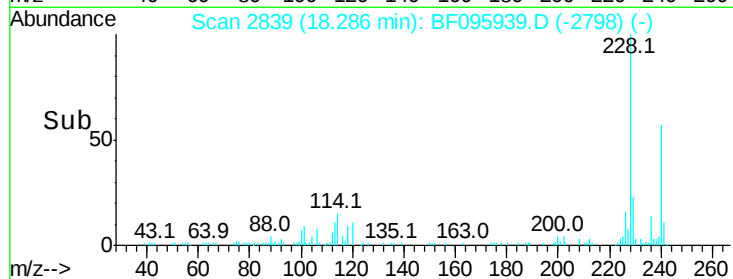
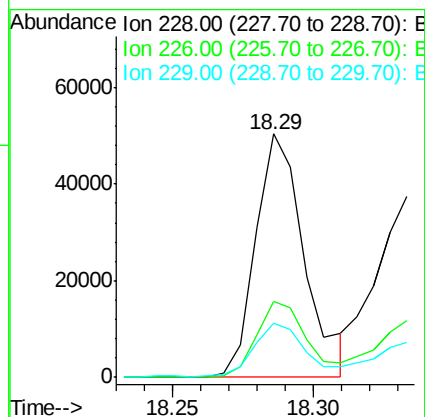
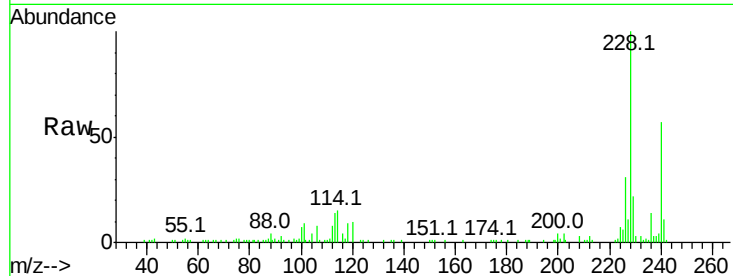
#80
Benzo(a)anthracene
Concen: 6.80 ng
RT: 18.29 min Scan# 2839
Delta R.T. -0.06 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Instrument :
BNA_F
ClientSampleId :
RO-72-11941

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	22.4	16.3	24.5

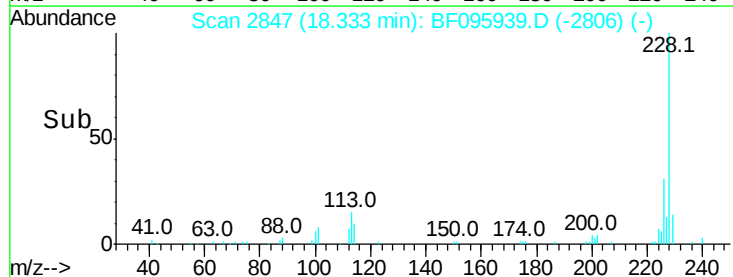
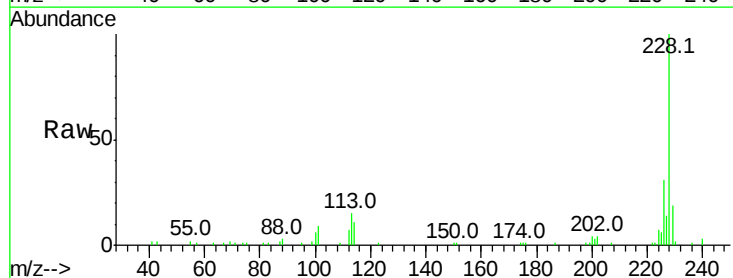
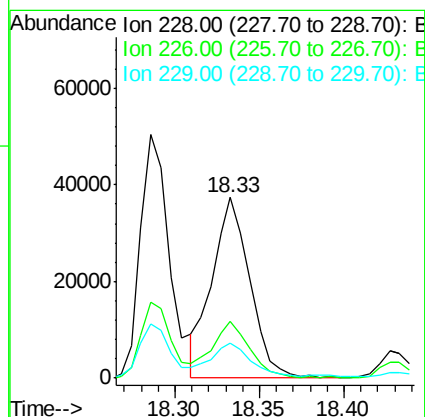
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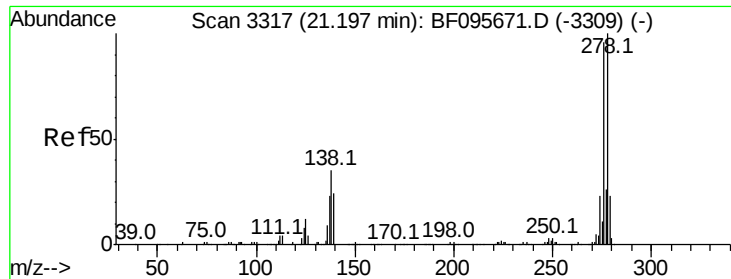
mohammad
6/15/2017 3:55:34 PM



#82
Chrysene
Concen: 6.61 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.06 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	19.0	15.8	23.6





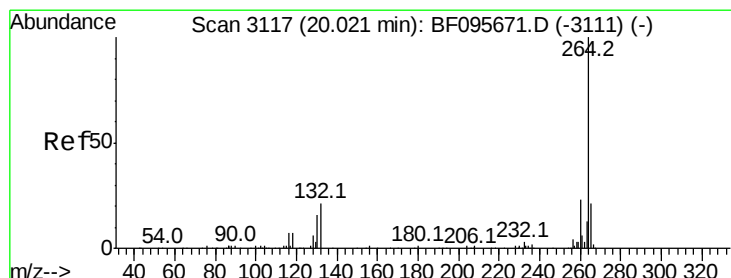
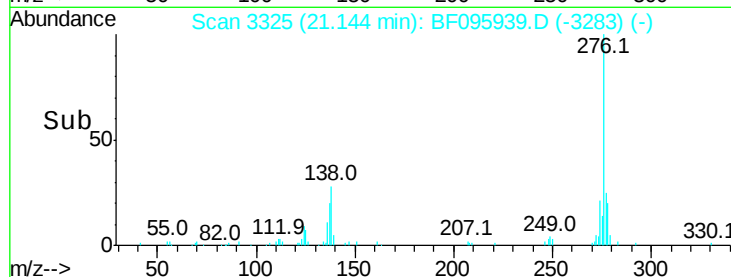
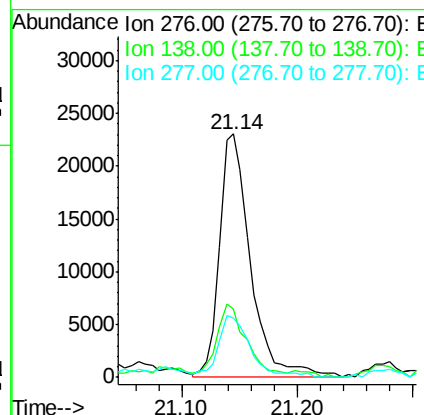
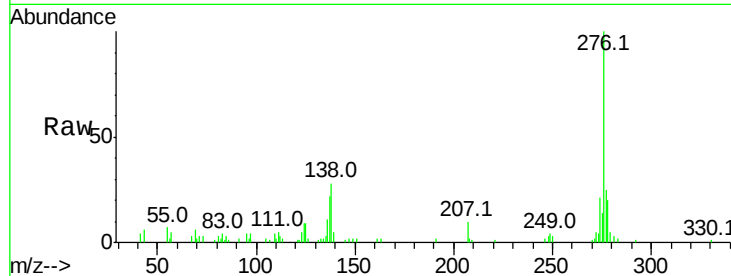
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.66 ng
RT: 21.14 min Scan# 3325
Delta R.T. -0.05 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Instrument :
BNA_F
ClientSampleId :
RO-72-11941

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.3	27.8	41.6#
277	26.6	20.2	30.4

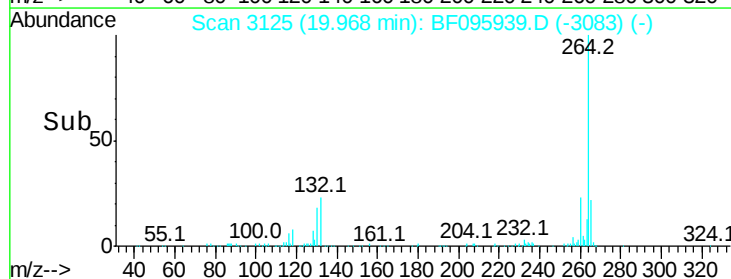
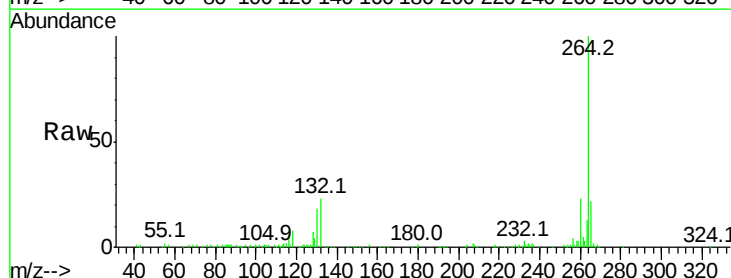
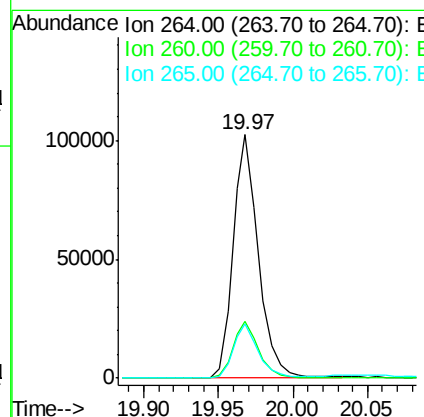
Manual Integrations
APPROVED

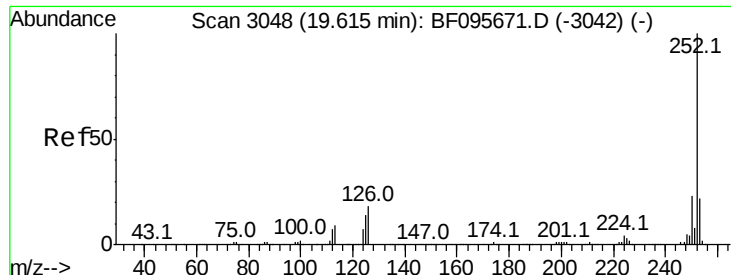
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 19.97 min Scan# 3125
Delta R.T. -0.05 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	22.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 11.86 ng

RT: 19.57 min Scan# 3057

Delta R.T. -0.05 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

Instrument :

BNA_F

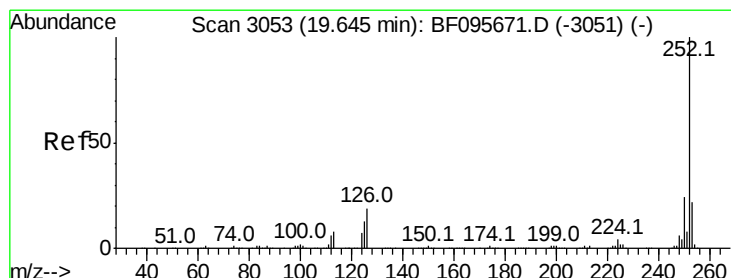
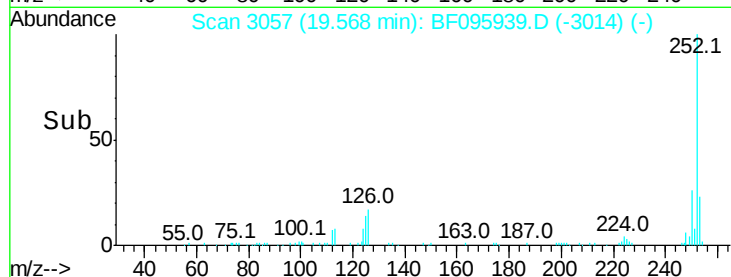
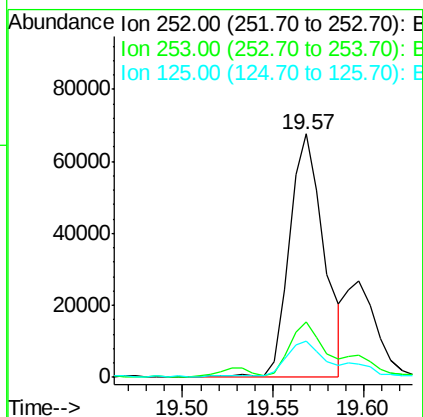
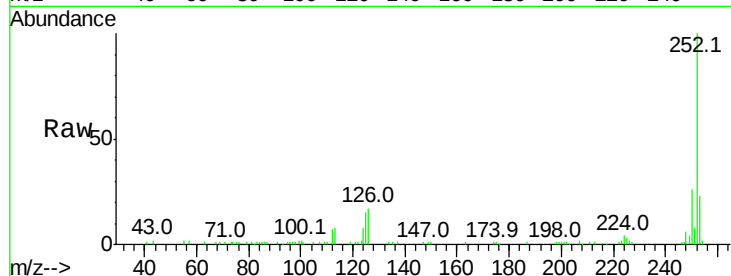
ClientSampleId :

RO-72-11941

Tot Ion:	252	Resp:	90445
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.1	27.1
125	14.7	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.35 ng m

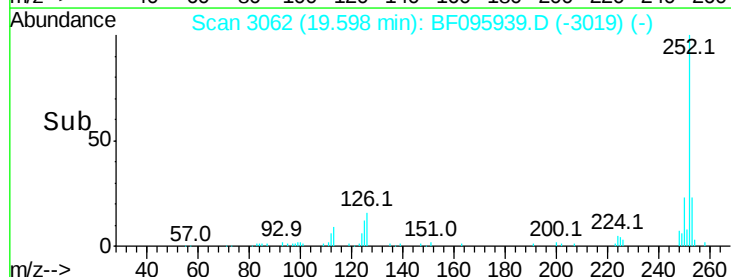
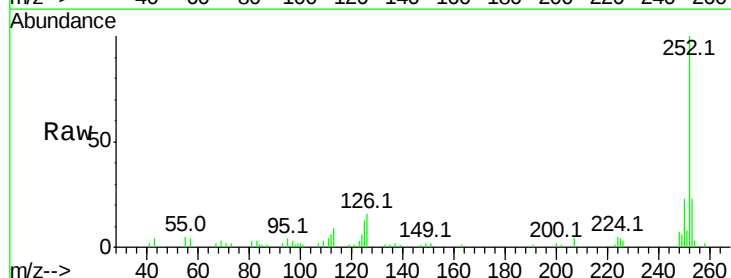
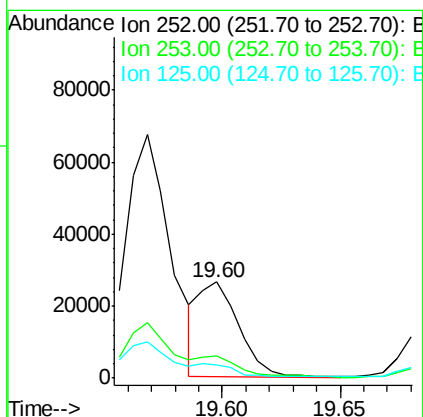
RT: 19.60 min Scan# 3062

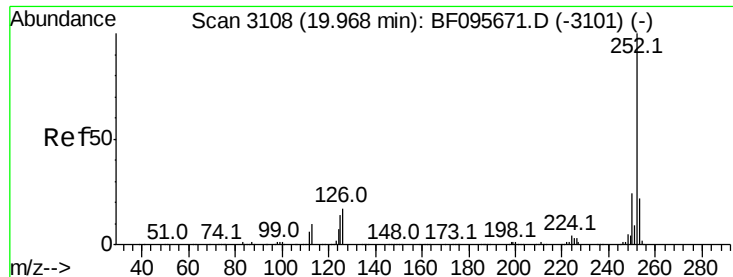
Delta R.T. -0.05 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

Tgt Ion:	252	Resp:	31712
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.4	27.6
125	13.2	13.1	19.7





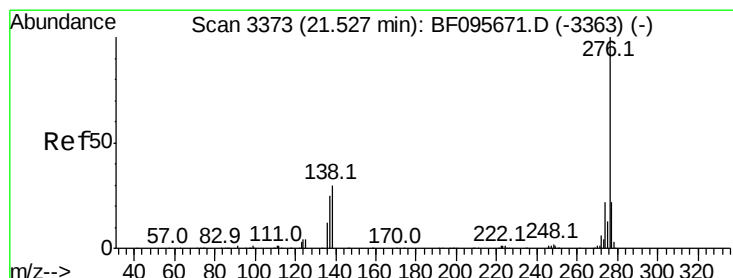
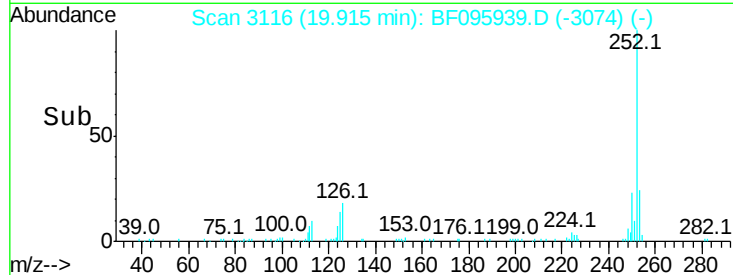
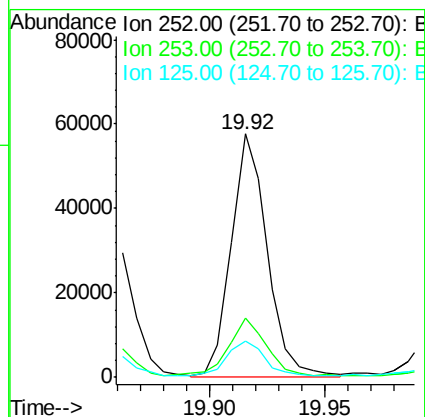
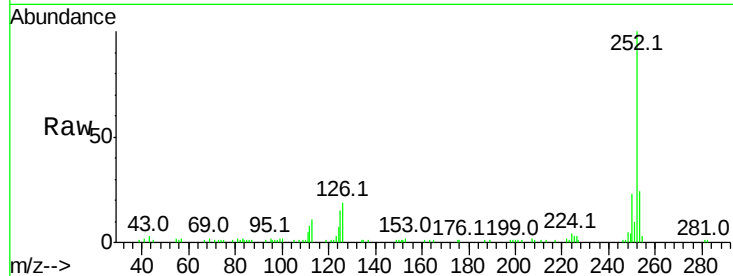
#89
Benzo(a)pyrene
Concen: 8.98 ng
RT: 19.92 min Scan# 3116
Delta R.T. -0.05 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Instrument :
BNA_F
ClientSampleId :
RO-72-11941

Tot Ion:	252	Resp:	62985
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.5	26.3
125	14.7	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.05 ng
RT: 21.47 min Scan# 3381
Delta R.T. -0.05 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Tgt Ion:	276	Resp:	42722
Ion Ratio	Lower	Upper	
276	100		
277	27.6	18.6	28.0
138	31.8	25.4	38.0

