

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
 Data File : BF095636.D
 Acq On : 2 Jun 2017 16:20
 Operator : SJ/MA
 Sample : I3413-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R4-COMP

Manual Integrations
 APPROVED

Quant Time: Jun 03 02:33:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 18:51:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	105012	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	440195	20.00	ng	0.00
38) Acenaphthene-d10	12.39	164	205953	20.00	ng	0.00
63) Phenanthrene-d10	14.80	188	378815	20.00	ng	0.00
75) Chrysene-d12	18.49	240	289870	20.00	ng	0.00
86) Perylene-d12	20.17	264	201443	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	758819	120.47	ng	0.00
7) Phenol-d6	7.09	99	933123	123.47	ng	-0.01
23) Nitrobenzene-d5	8.45	82	539371	77.27	ng	-0.01
41) 2,4,6-Tribromophenol	13.69	330	171079	101.43	ng	0.00
44) 2-Fluorobiphenyl	11.35	172	911944	63.73	ng	0.00
78) Terphenyl-d14	17.14	244	702705	53.39	ng	0.00
Target Compounds						
10) Phenol	7.10	94	36614	4.60	ng	75
49) Dimethylphthalate	12.04	163	225380	13.33	ng	100
74) Fluoranthene	16.61	202	84033	3.76	ng	98
77) Pyrene	16.91	202	79359	3.66	ng	98
82) Chrysene	18.53	228	40521m	2.48	ng	
87) Benzo(b)fluoranthene	19.78	252	35886m	2.88	ng	
89) Benzo(a)pyrene	20.12	252	24306	2.12	ng	98

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

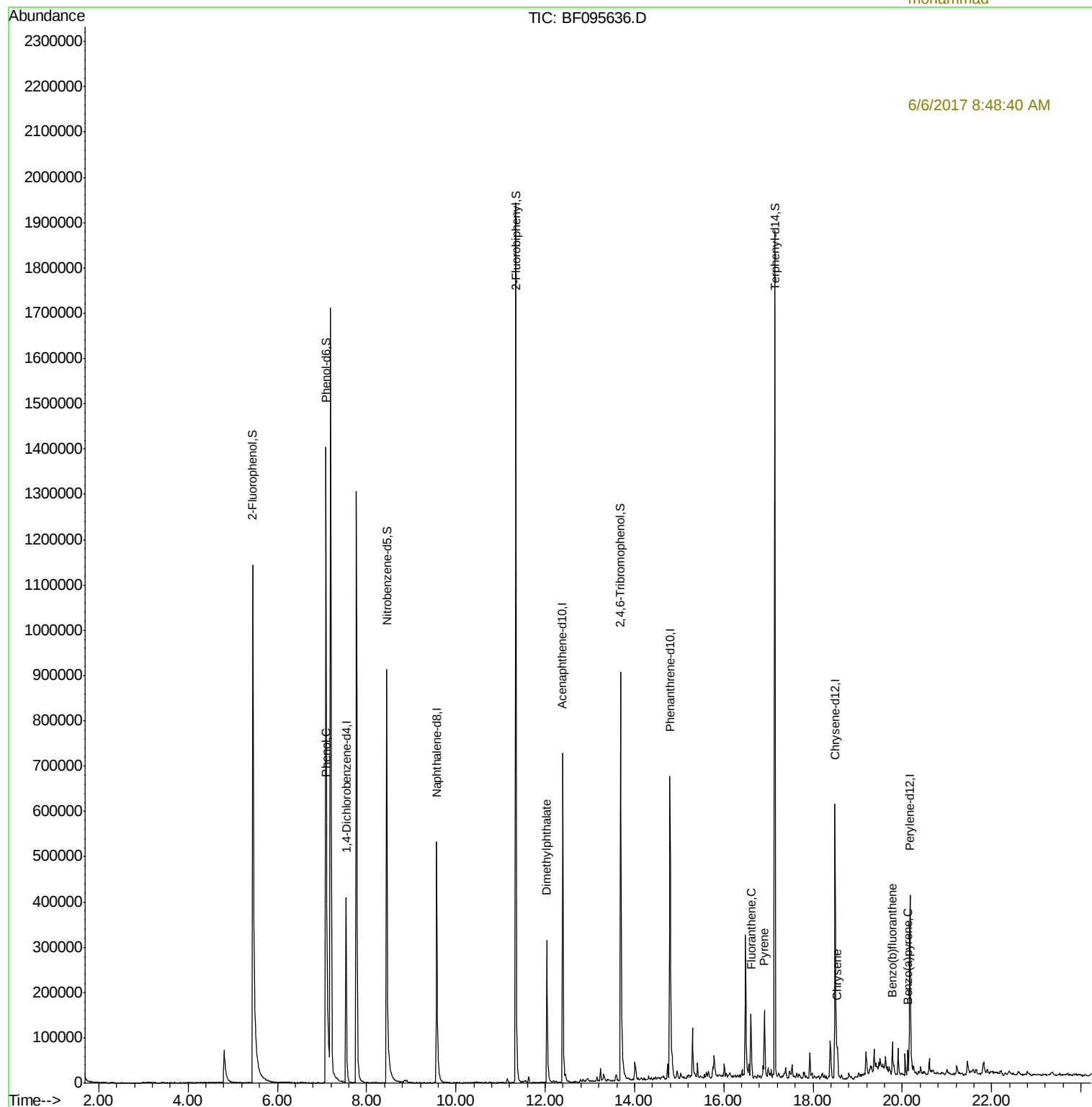
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
Data File : BF095636.D
Acq On : 2 Jun 2017 16:20
Operator : SJ/MA
Sample : I3413-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

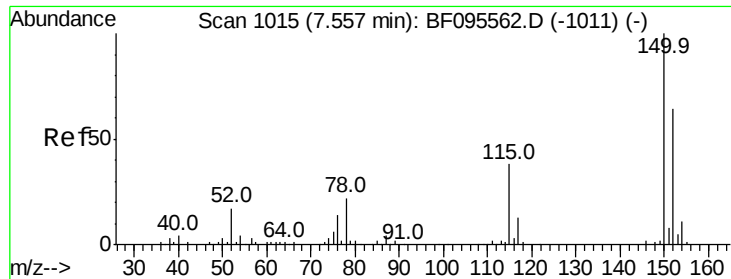
Instrument :
BNA_F
ClientSampleId :
R4-COMP

Manual Integrations
APPROVED

Quant Time: Jun 03 02:33:33 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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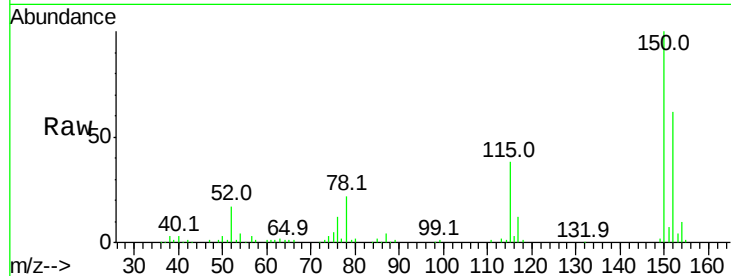
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.54 min Scan# 995
Delta R.T. -0.00 min
Lab File: BF095636.D
Acq: 2 Jun 2017 16:20

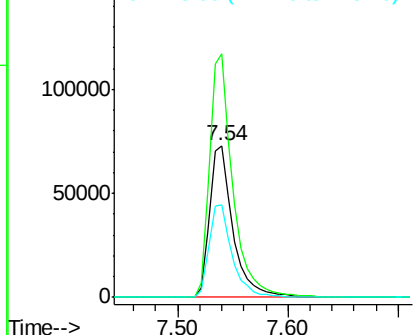
Instrument :
BNA_F
ClientSampleId :
R4-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	126.2	189.2
115	60.8	52.2	78.2

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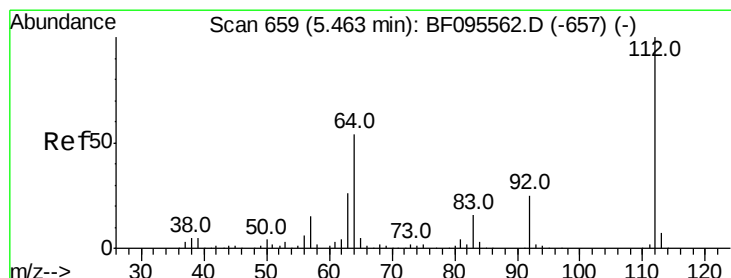
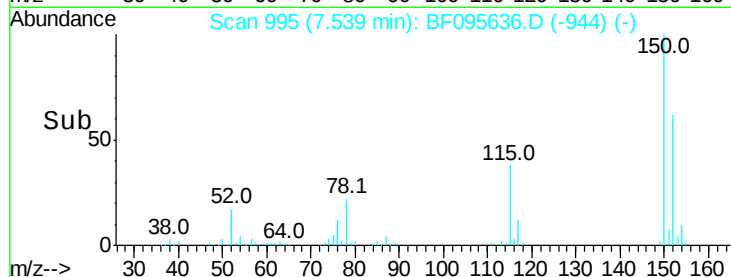


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



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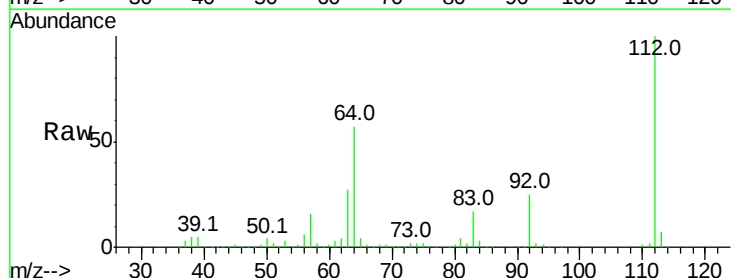
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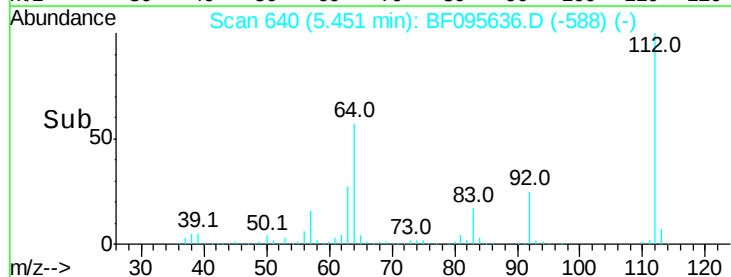
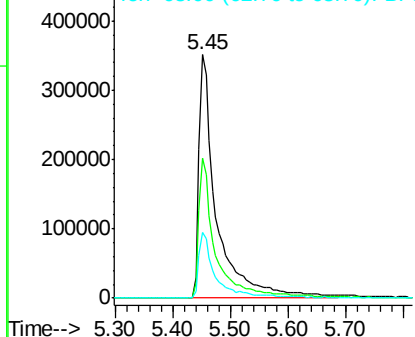
#5

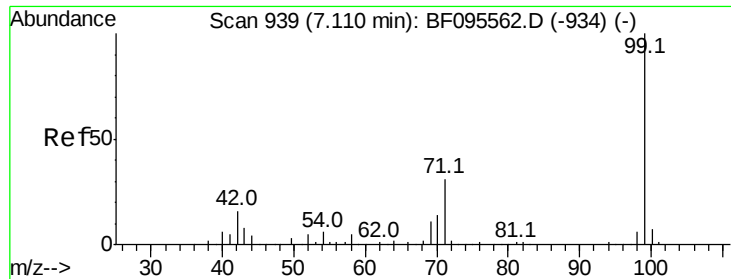
2-Fluorophenol
Concen: 120.47 ng
RT: 5.45 min Scan# 640
Delta R.T. 0.01 min
Lab File: BF095636.D
Acq: 2 Jun 2017 16:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	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: 123.47 ng

RT: 7.09 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF095636.D

Acq: 2 Jun 2017 16:20

Instrument :

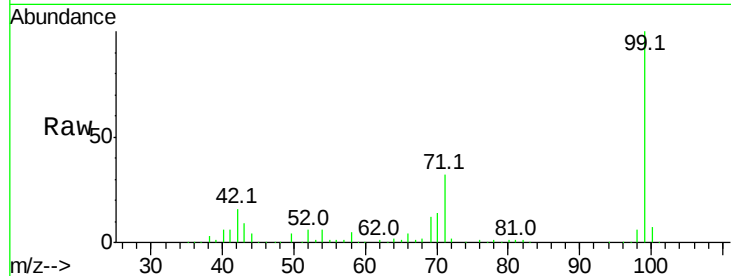
BNA_F

ClientSampleId :

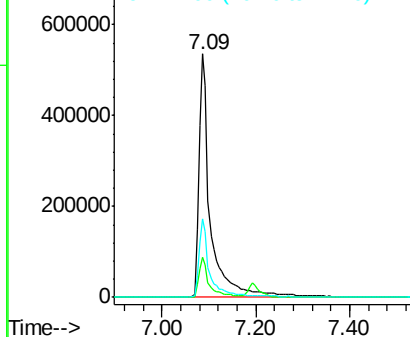
R4-COMP

Tot Ion:	99	Resp:	933123
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.5	20.3
71	32.3	24.5	36.7

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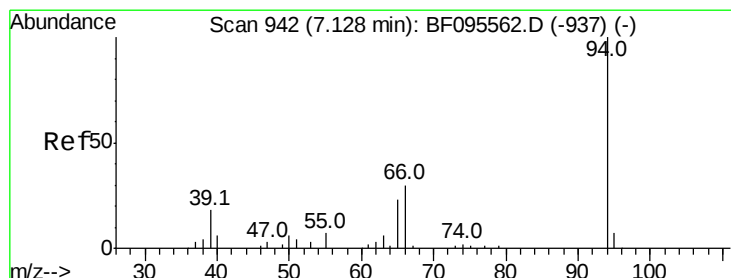
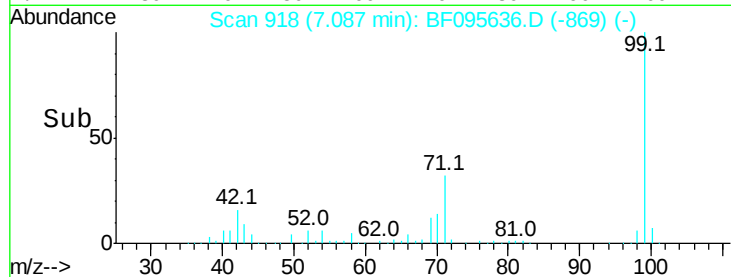


Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



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#10

Phenol

Concen: 4.60 ng

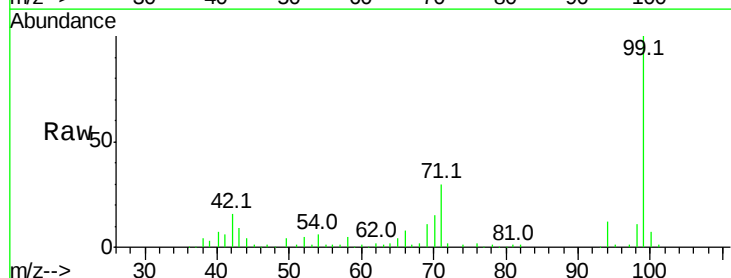
RT: 7.10 min Scan# 921

Delta R.T. -0.01 min

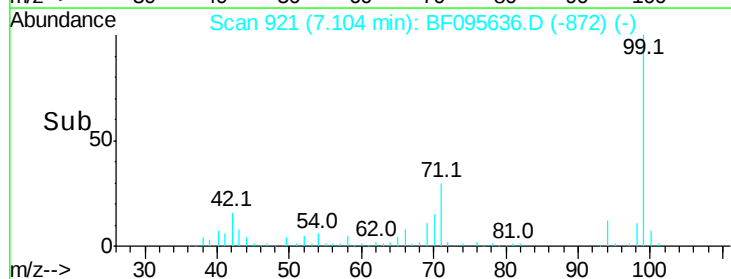
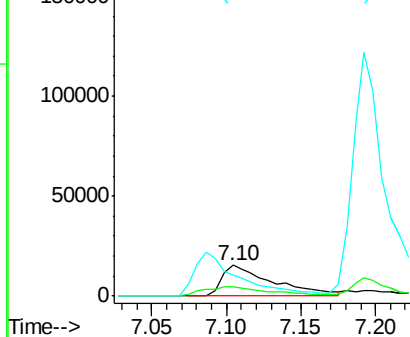
Lab File: BF095636.D

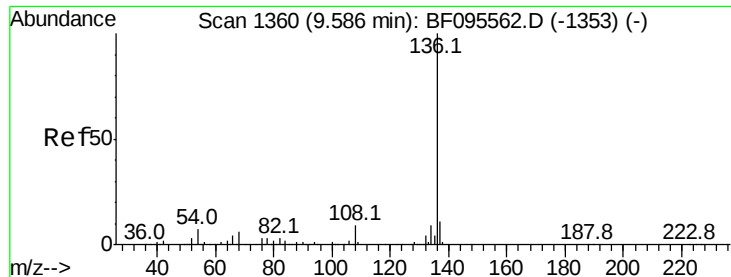
Acq: 2 Jun 2017 16:20

Tgt Ion:	94	Resp:	36614
Ion Ratio	Lower	Upper	
94	100		
65	31.7	9.9	49.9
66	68.6	23.1	63.1#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0



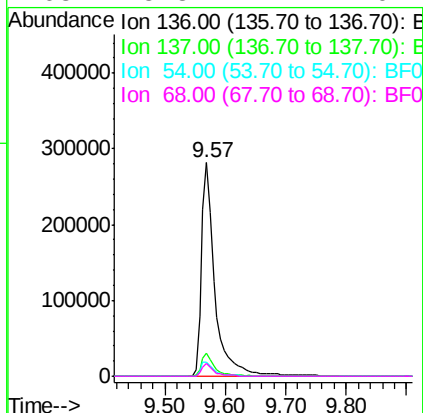
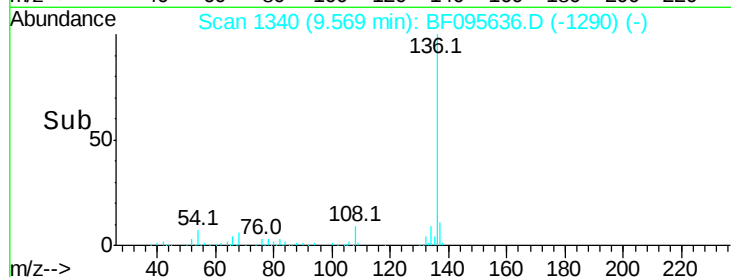
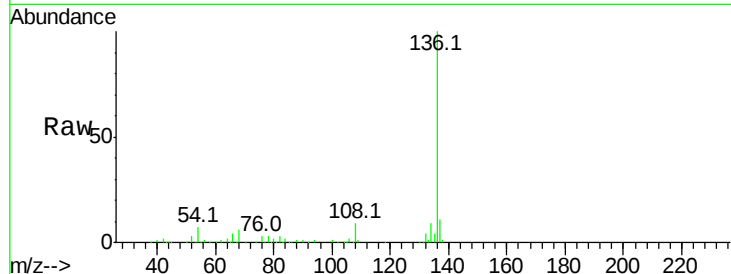


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.57 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF095636.D
Acq: 2 Jun 2017 16:20

Instrument :
BNA_F
ClientSampleId :
R4-COMP

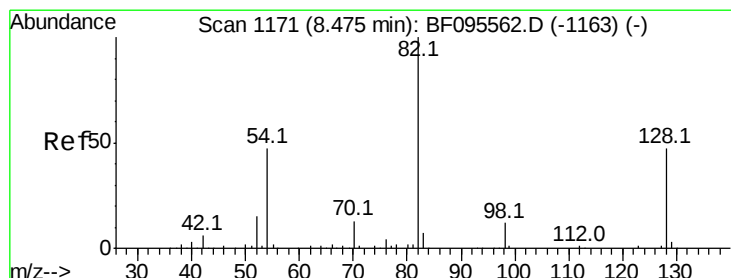
Tot Ion	Ratio	Resp	Lower	Upper
136	100	440195		
137	10.9		8.5	12.7
54	6.9		4.9	7.3
68	5.8		4.1	6.1

Manual Integrations
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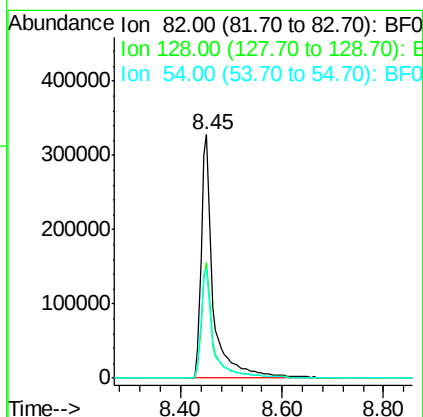
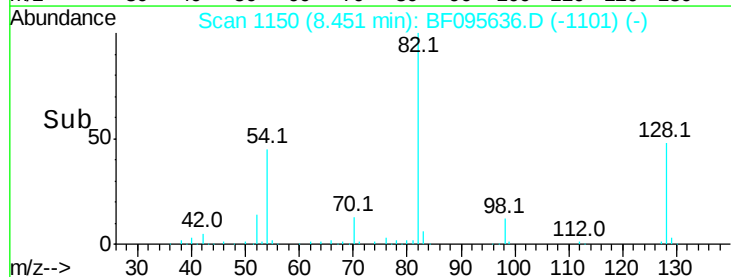
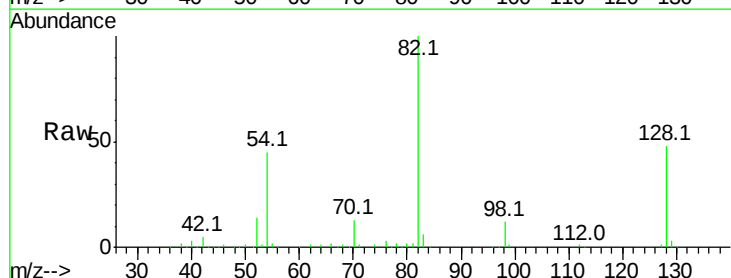
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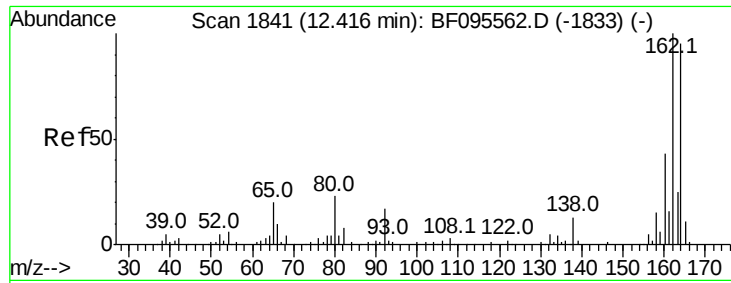
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#23
Nitrobenzene-d5
Concen: 77.27 ng
RT: 8.45 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF095636.D
Acq: 2 Jun 2017 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	539371		
128	47.6		34.0	51.0
54	44.9		42.2	63.2



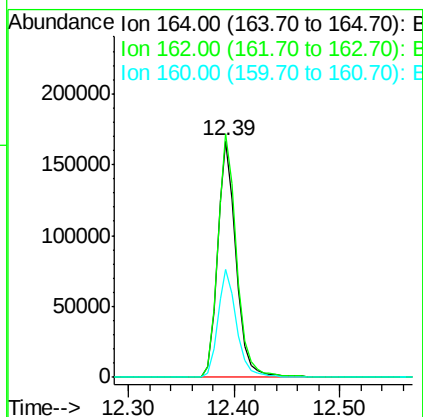
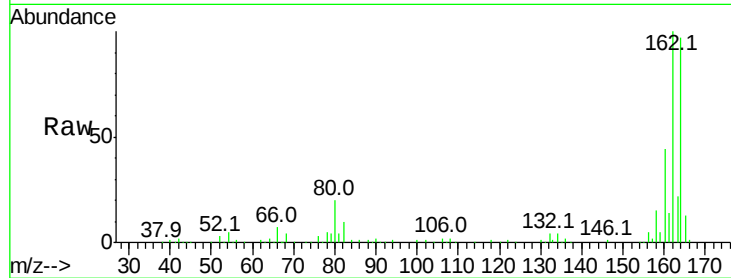


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.39 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF095636.D
Acq: 2 Jun 2017 16:20

Instrument :
BNA_F
ClientSampleId :
R4-COMP

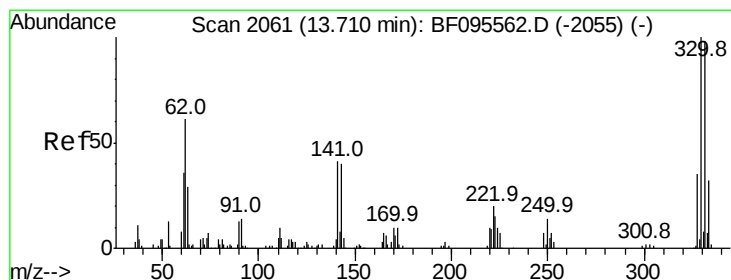
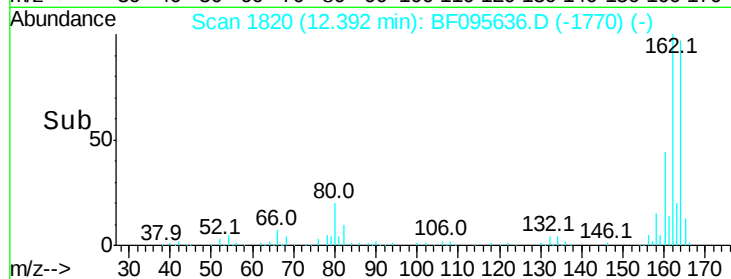
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	45.7	36.2	54.2

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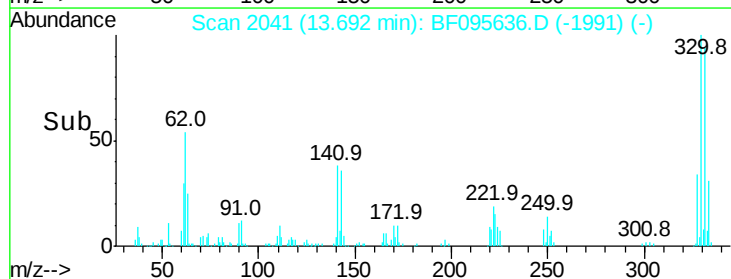
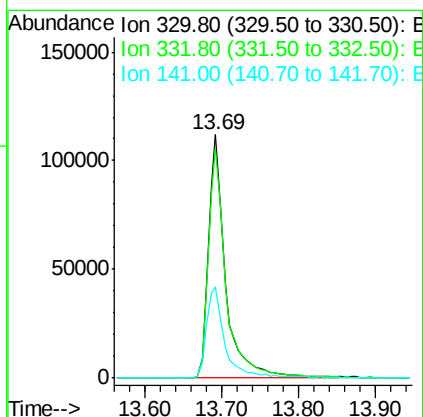
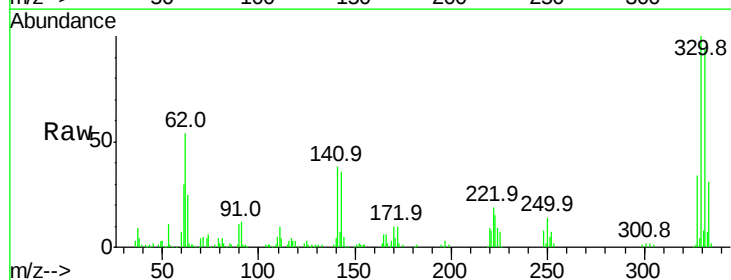
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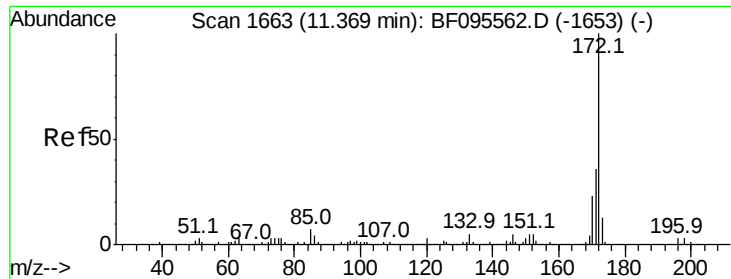
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#41
2,4,6-Tribromophenol
Concen: 101.43 ng
RT: 13.69 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF095636.D
Acq: 2 Jun 2017 16:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	115.0
141	40.6	31.4	47.2



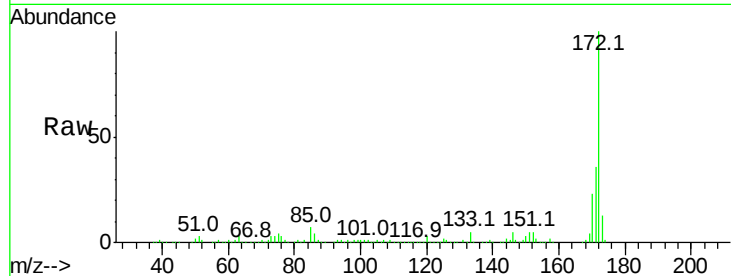


#44
2-Fluorobiphenyl
Concen: 63.73 ng
RT: 11.35 min Scan# 1642
Delta R.T. -0.01 min
Lab File: BF095636.D
Acq: 2 Jun 2017 16:20

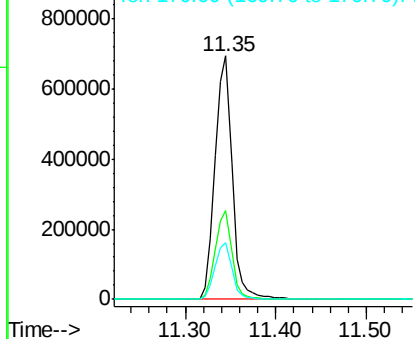
Instrument :
BNA_F
ClientSampleId :
R4-COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2		29.6	44.4
170	23.1		19.8	29.8

Manual Integrations
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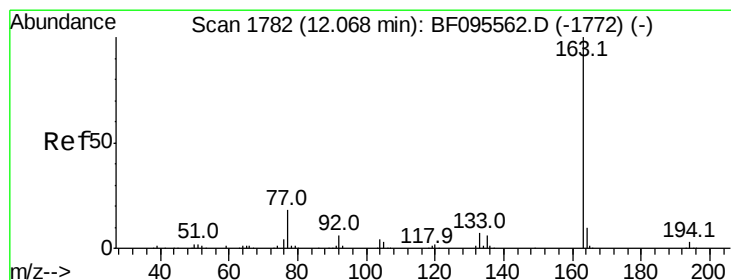
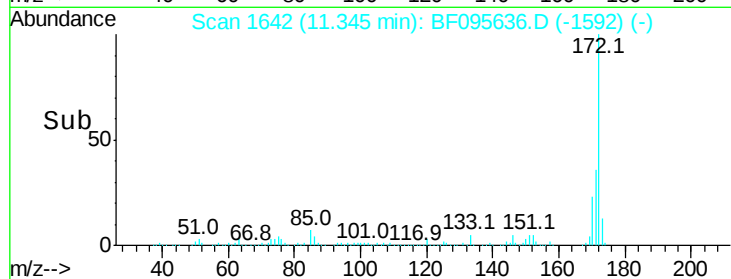


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



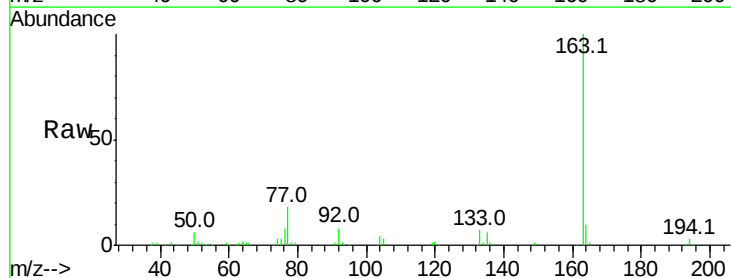
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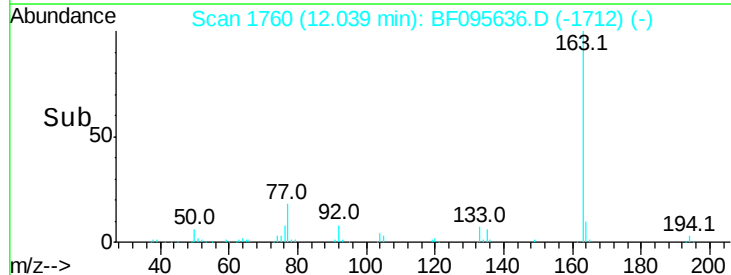
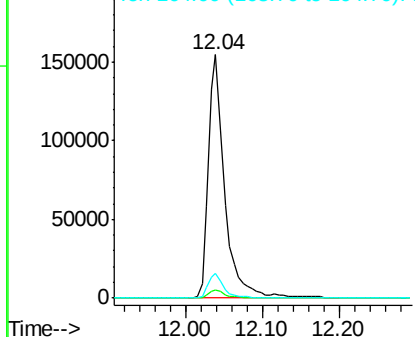


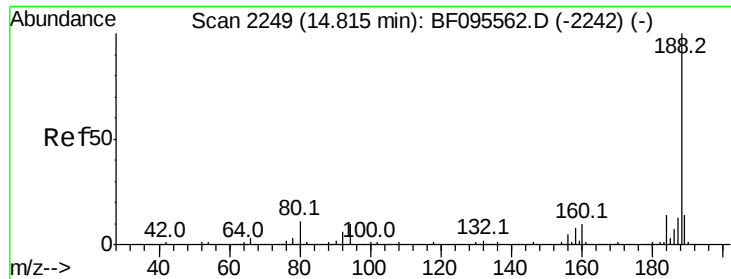
#49
Dimethylphthalate
Concen: 13.33 ng
RT: 12.04 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BF095636.D
Acq: 2 Jun 2017 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4		2.6	4.0
164	10.3		8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



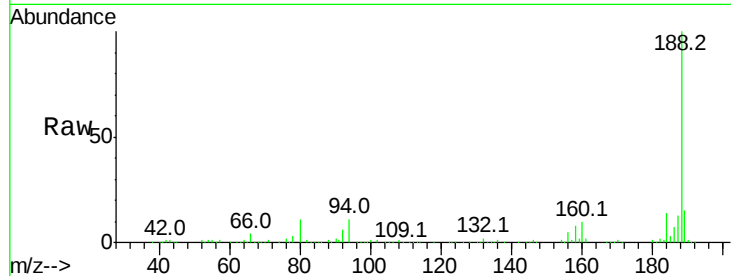


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF095636.D
Acq: 2 Jun 2017 16:20

Instrument :
BNA_F
ClientSampleId :
R4-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.2	9.4	14.2	
80	11.1	10.2	15.2	

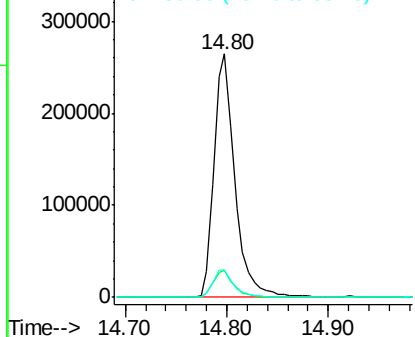
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Abundance Ion 188.00 (187.70 to 188.70): E

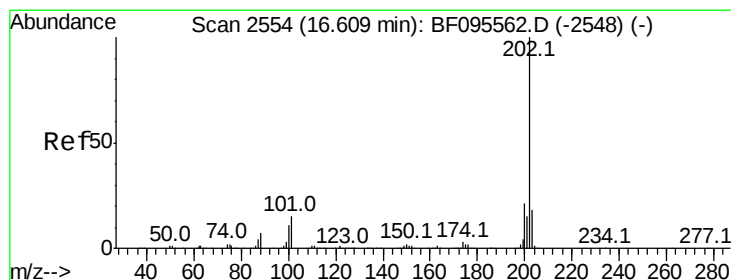
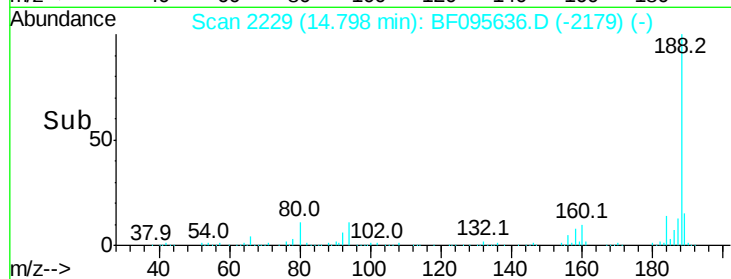
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



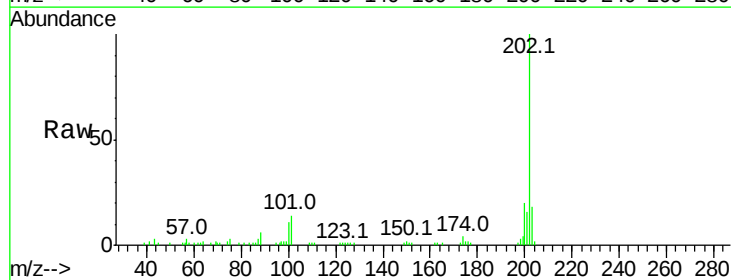
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#74
Fluoranthene
Concen: 3.76 ng
RT: 16.61 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BF095636.D
Acq: 2 Jun 2017 16:20

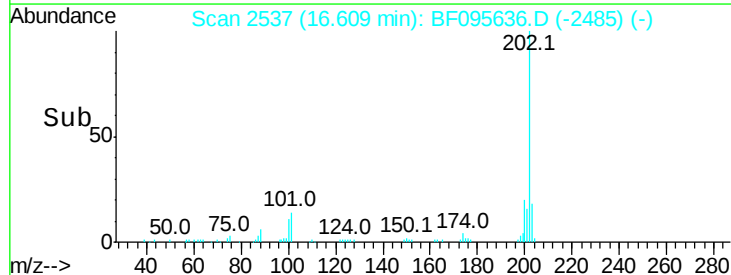
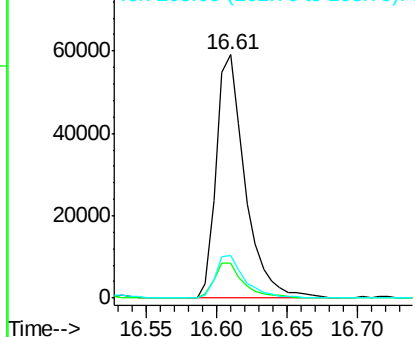
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	14.3	0.0	33.2	
203	17.7	0.0	38.1	

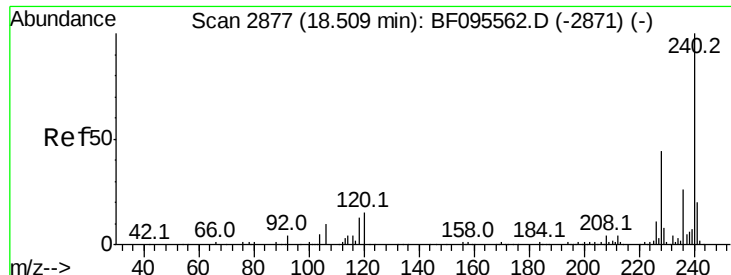


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



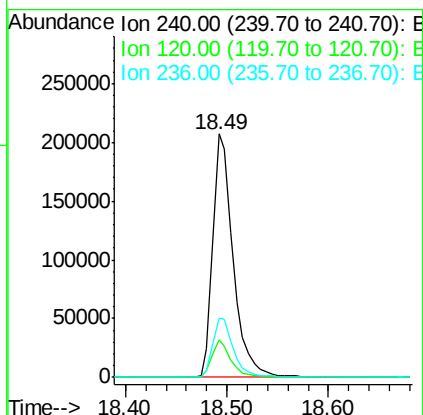
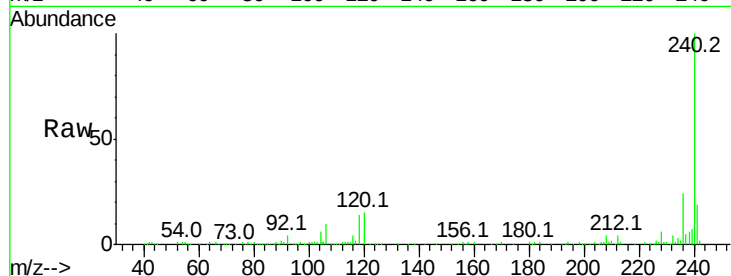


#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.49 min Scan# 2857
Delta R.T. -0.01 min
Lab File: BF095636.D
Acq: 2 Jun 2017 16:20

Instrument :
BNA_F
ClientSampled :
R4-COMP

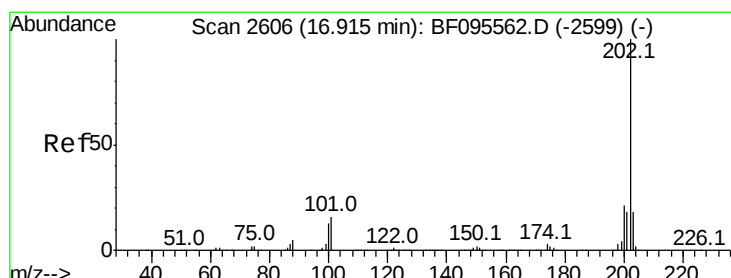
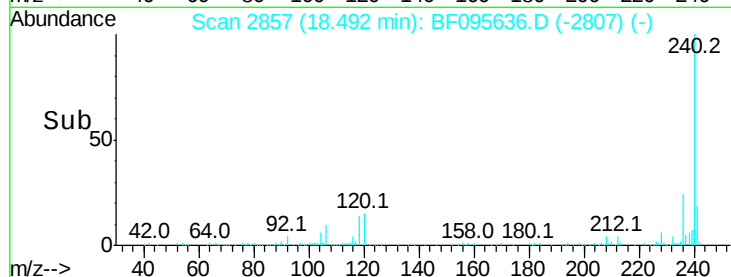
Tot Ion	Ratio	Lower	Upper
240	100		
120	15.2	5.8	8.8#
236	24.2	20.5	30.7

Manual Integrations
APPROVED



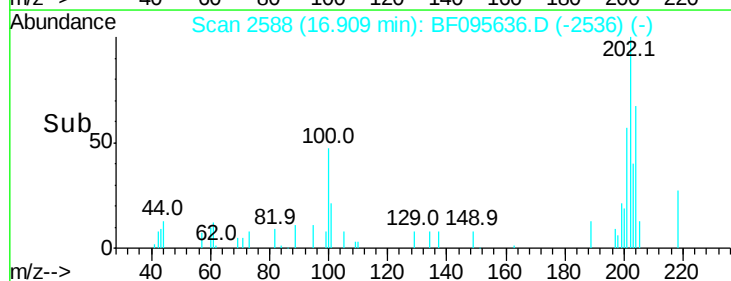
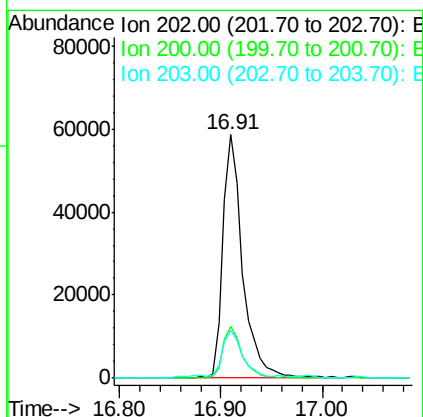
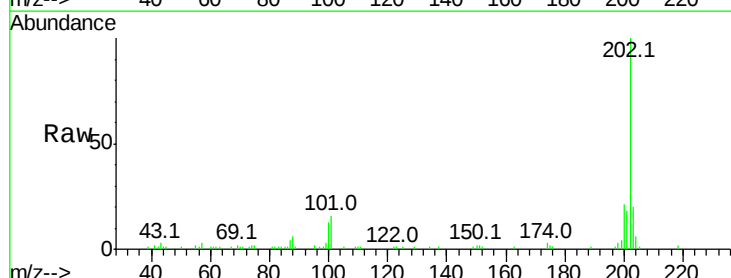
mohammad

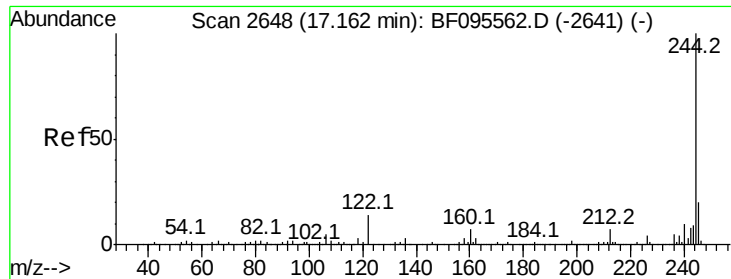
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#77
Pyrene
Concen: 3.66 ng
RT: 16.91 min Scan# 2588
Delta R.T. 0.01 min
Lab File: BF095636.D
Acq: 2 Jun 2017 16:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	19.6	14.4	21.6



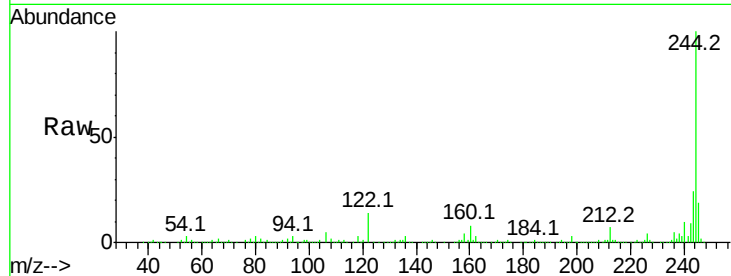


#78
 Terphenyl-d14
 Concen: 53.39 ng
 RT: 17.14 min Scan# 2628
 Delta R.T. -0.01 min
 Lab File: BF095636.D
 Acq: 2 Jun 2017 16:20

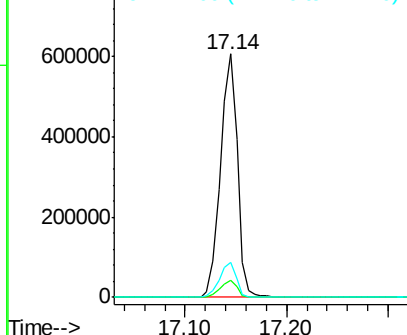
Instrument :
 BNA_F
 ClientSampleId :
 R4-COMP

Tot Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.1	6.0	9.0
122	14.3	10.3	15.5

Manual Integrations
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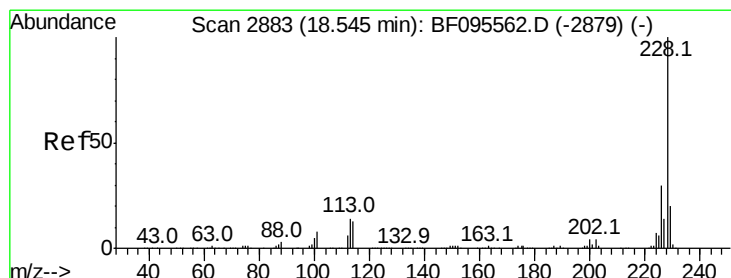
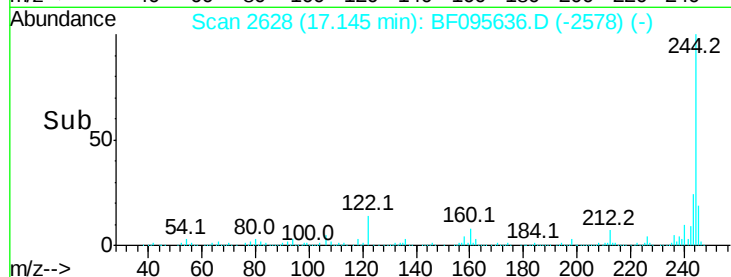


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



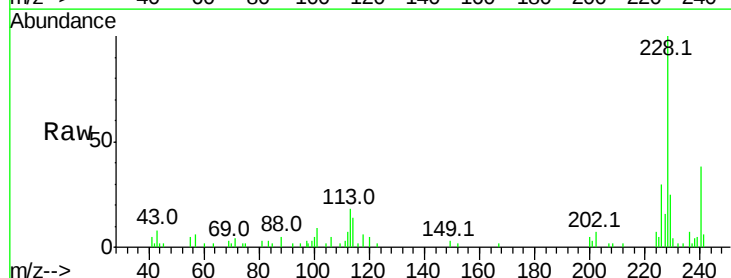
mohammad

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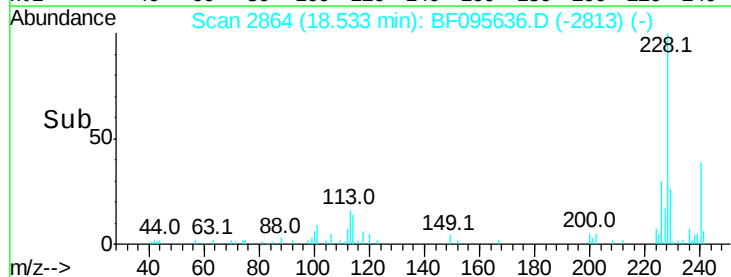
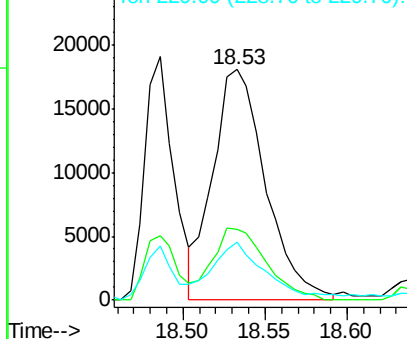


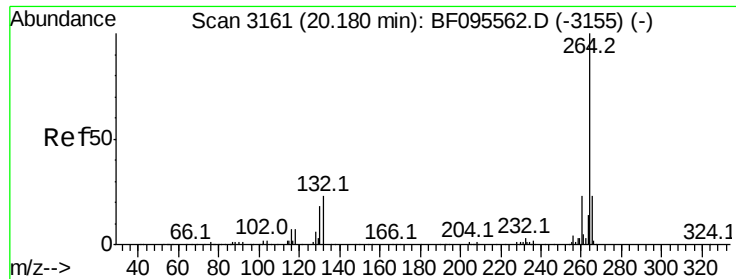
#82
 Chrysene
 Concen: 2.48 ng m
 RT: 18.53 min Scan# 2864
 Delta R.T. -0.00 min
 Lab File: BF095636.D
 Acq: 2 Jun 2017 16:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.5	24.9	37.3
229	25.0	15.8	23.6



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



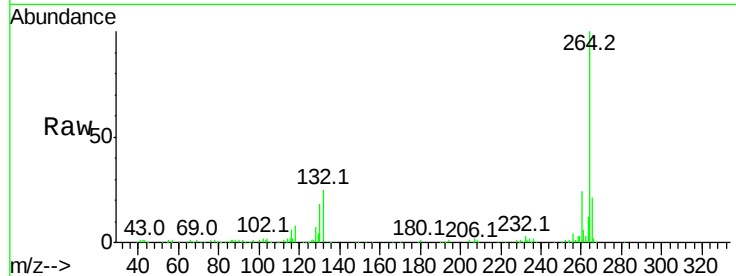


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.17 min Scan# 3142
Delta R.T. 0.00 min
Lab File: BF095636.D
Acq: 2 Jun 2017 16:20

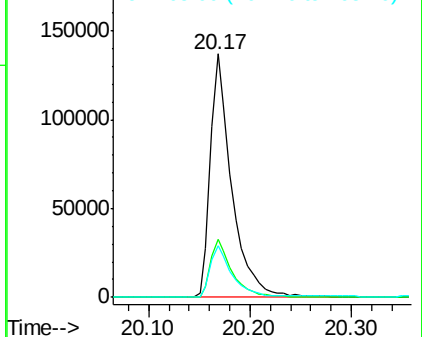
Instrument :
BNA_F
ClientSampleId :
R4-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.2	17.2	25.8

Manual Integrations
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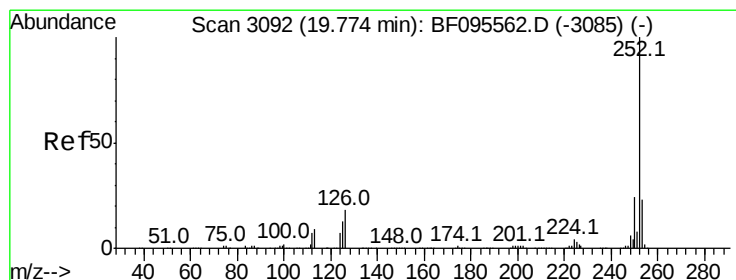
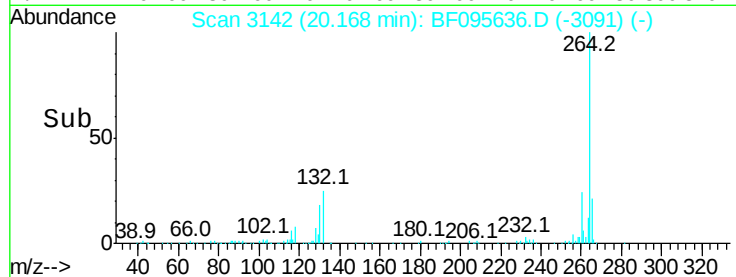


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



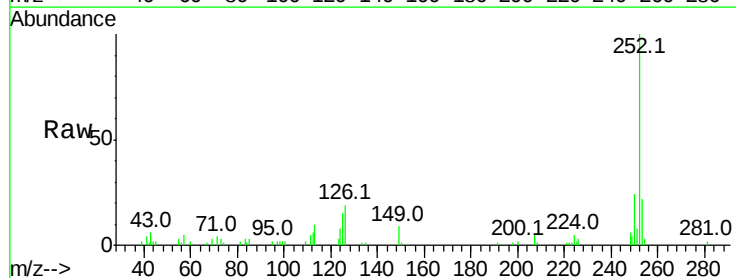
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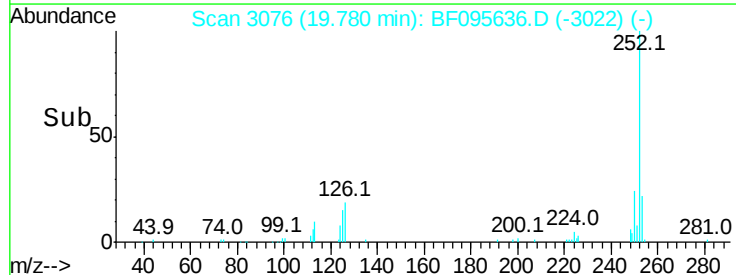
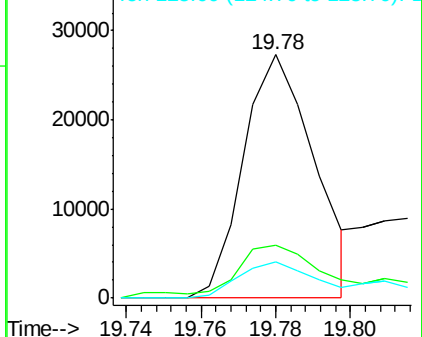


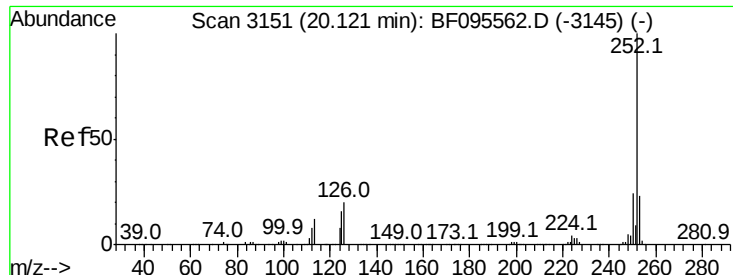
#87
Benzo(b)fluoranthene
Concen: 2.88 ng m
RT: 19.78 min Scan# 3076
Delta R.T. 0.02 min
Lab File: BF095636.D
Acq: 2 Jun 2017 16:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	14.9	9.8	14.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



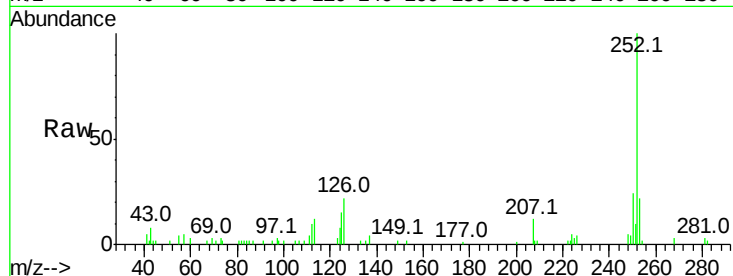


#89
 Benzo(a)pyrene
 Concen: 2.12 ng
 RT: 20.12 min Scan# 3134
 Delta R.T. 0.01 min
 Lab File: BF095636.D
 Acq: 2 Jun 2017 16:20

Instrument :
 BNA_F
 ClientSampleId :
 R4-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	15.4	11.0	16.4

Manual Integrations
 APPROVED

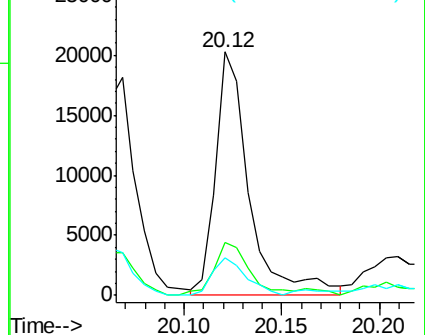


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



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