

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095148.D
 Acq On : 16 May 2017 4:20
 Operator : SJ/MA
 Sample : I3140-09 20X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TB-12-6

Manual Integrations
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Quant Time: May 16 09:19:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	66415	20.00	ng	0.05
21) Naphthalene-d8	9.79	136	282115	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	125026	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	185376	20.00	ng	0.05
75) Chrysene-d12	18.70	240	177838	20.00	ng	0.05
86) Perylene-d12	20.38	264	144608	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	7.58	99	372	0.08	ng	0.30
23) Nitrobenzene-d5	8.82	82	109	0.02	ng	0.18
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	11.59	172	6341	0.73	ng	0.06
78) Terphenyl-d14	17.35	244	4593	0.57	ng	0.04
Target Compounds						
31) Naphthalene	9.83	128	40637	2.87	ng	97
70) Phenanthrene	15.07	178	107523	10.09	ng	97
71) Anthracene	15.16	178	34698m	3.19	ng	
74) Fluoranthene	16.81	202	106059	9.71	ng	99
77) Pyrene	17.12	202	88776	6.67	ng	95
80) Benzo(a)anthracene	18.69	228	36854	3.56	ng	96
82) Chrysene	18.74	228	34333	3.43	ng	98
87) Benzo(b)fluoranthene	19.97	252	31247m	3.50	ng	
89) Benzo(a)pyrene	20.32	252	22887	2.78	ng	# 92

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

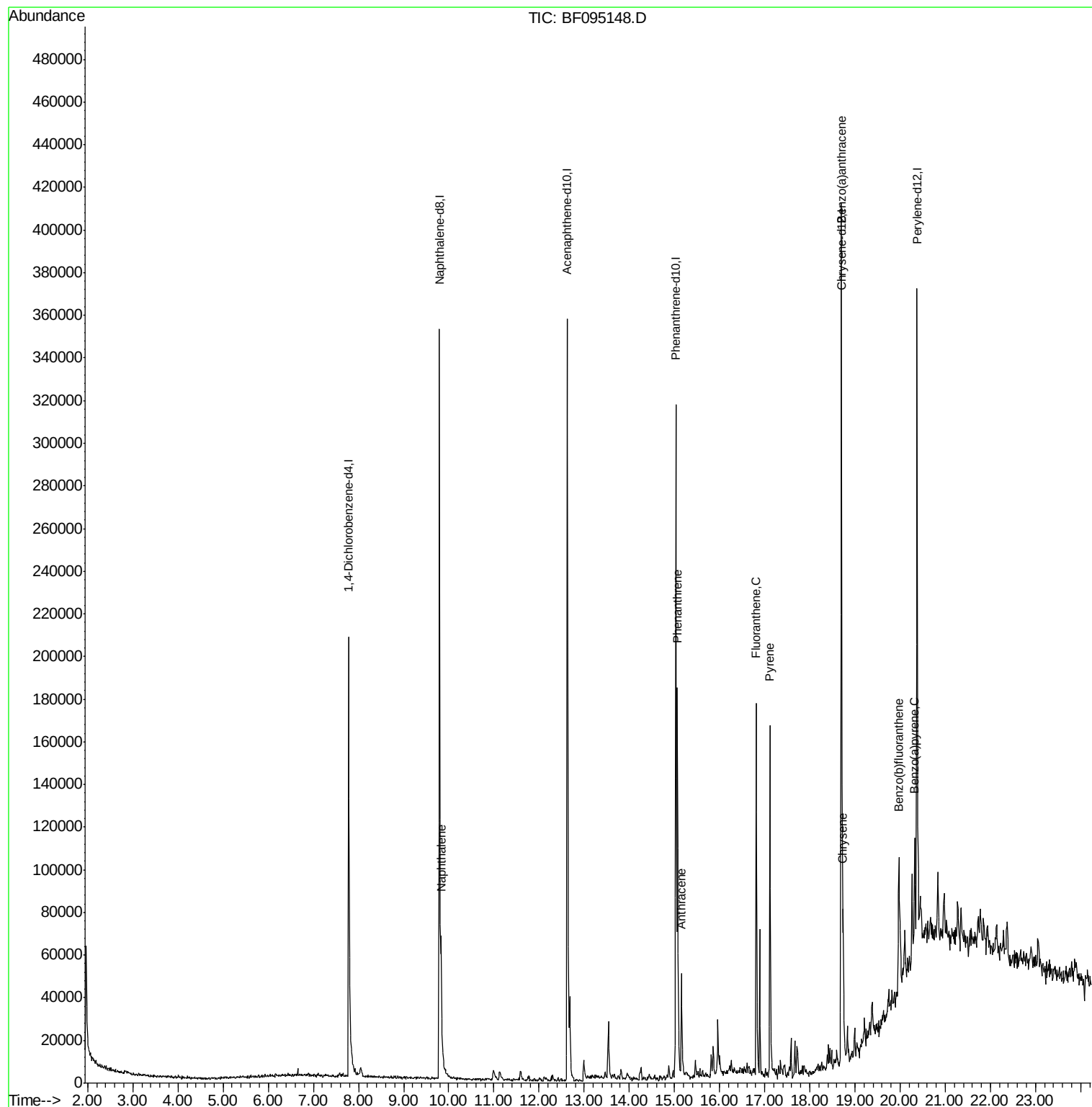
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095148.D
Acq On : 16 May 2017 4:20
Operator : SJ/MA
Sample : I3140-09 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

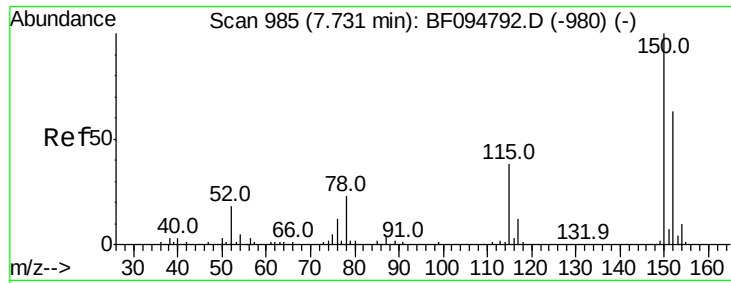
Instrument :
BNA_F
ClientSampleId :
TB-12-6

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Quant Time: May 16 09:19:56 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
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#1

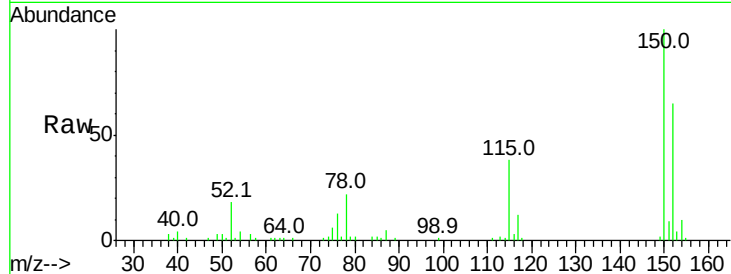
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 994
Delta R.T. 0.05 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Instrument :
BNA_F
ClientSampled :
TB-12-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.2	189.2
115	58.5	52.2	78.2

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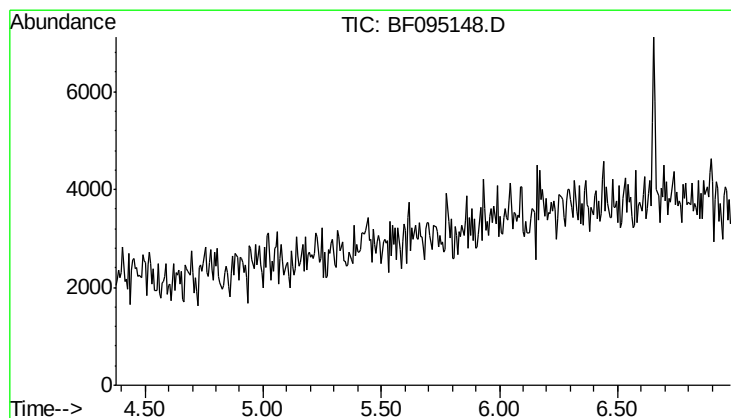
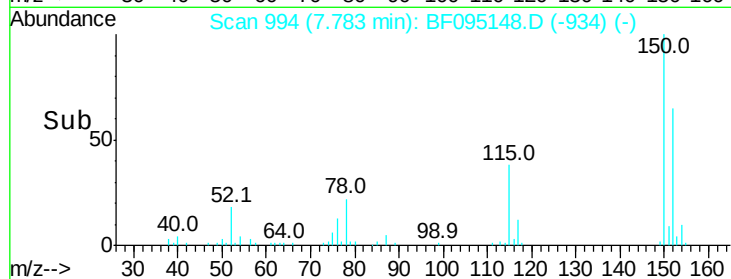
Abundance

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

Time-->

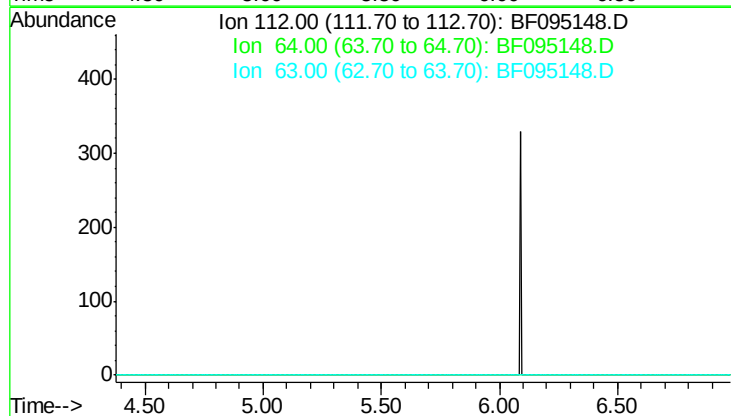


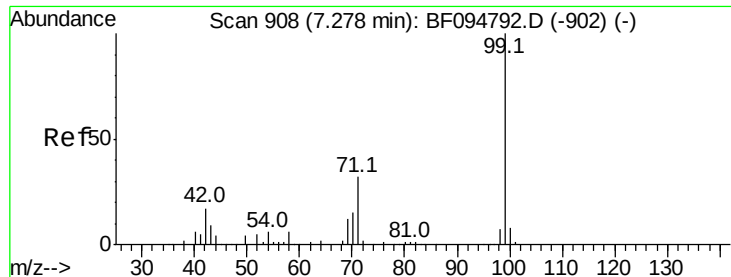
#5

2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.68 min

Lab File: BF095148.D
Acq: 16 May 2017 4:20

Tgt Ion	Sig	Exp Ratio
112	100	
64	57.5	
63	29.2	





#7

Phenol-d6

Concen: 0.08 ng

RT: 7.58 min Scan# 959

Delta R.T. 0.30 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

Instrument :

BNA_F

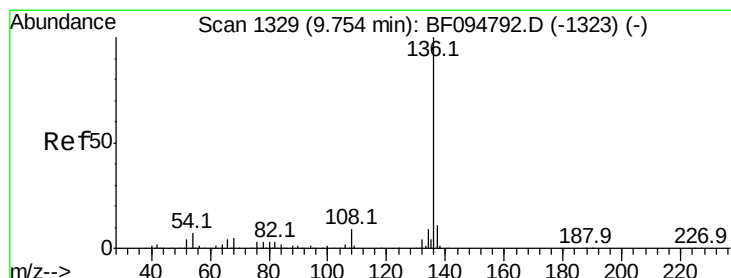
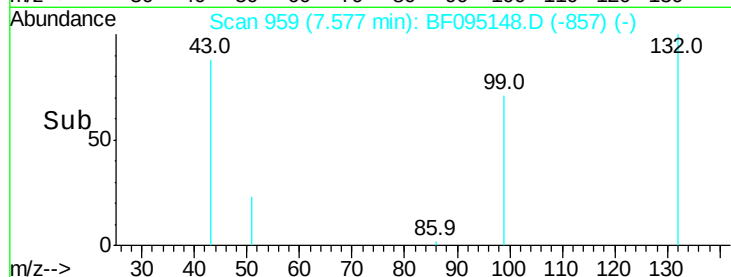
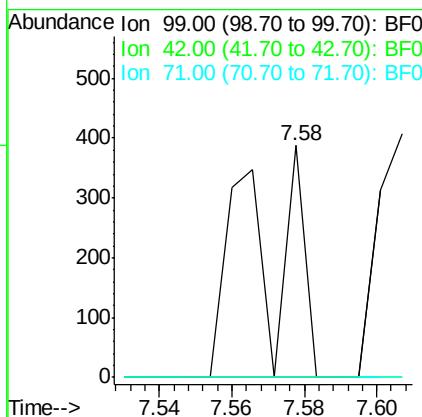
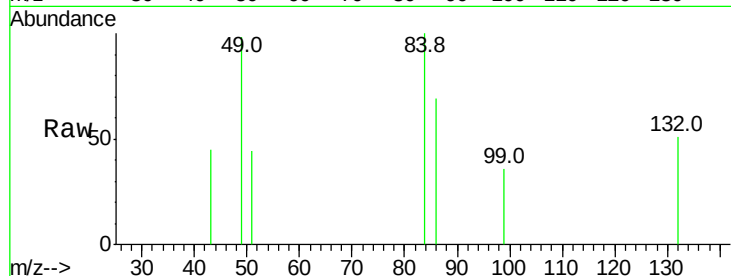
ClientSampled :

TB-12-6

Tot Ion:	99	Resp:	372
Ion Ratio	Lower	Upper	
99	100		
42	0.0	13.5	20.3#
71	0.0	24.5	36.7#

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#21

Naphthalene-d8

Concen: 20.00 ng

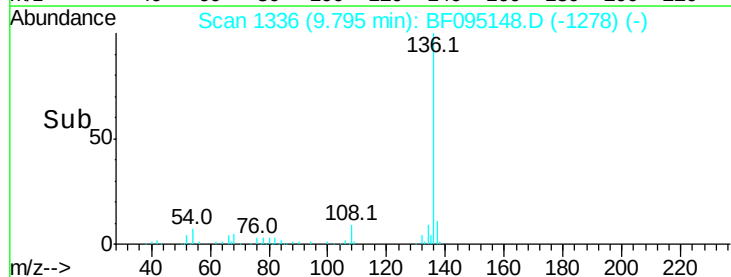
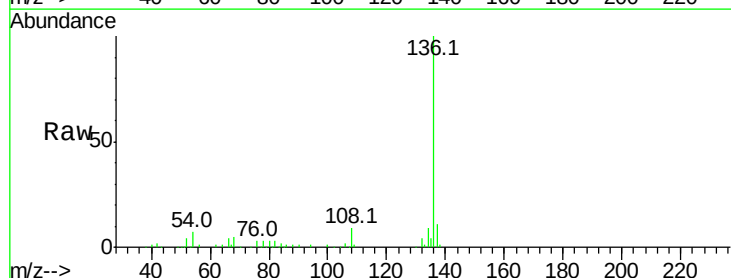
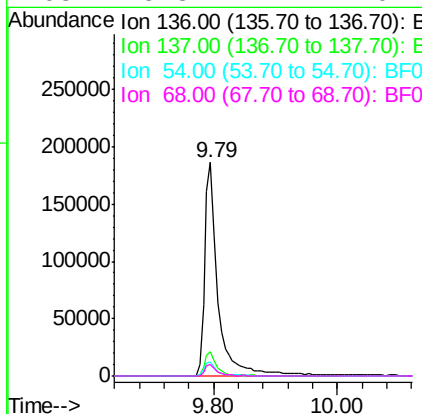
RT: 9.79 min Scan# 1336

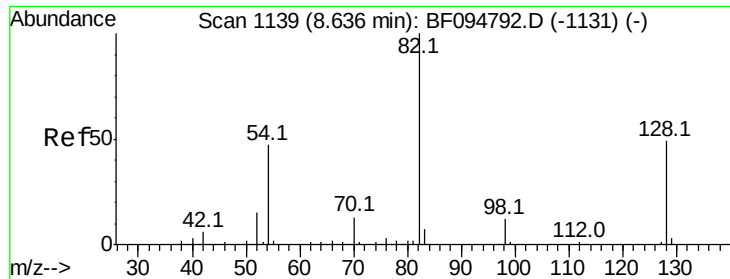
Delta R.T. 0.04 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

Tgt Ion:	136	Resp:	282115
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	6.7	4.9	7.3
68	5.3	4.1	6.1





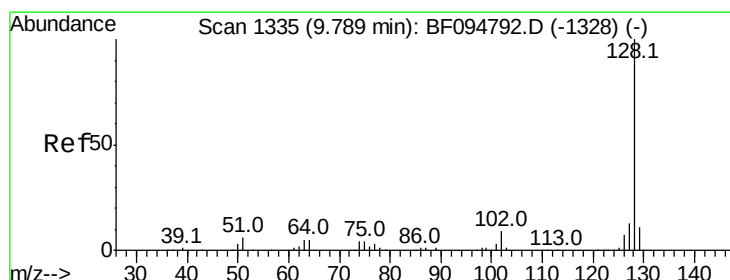
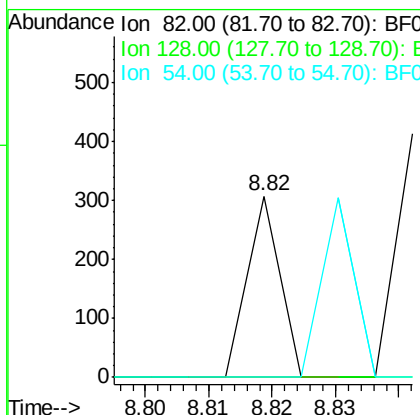
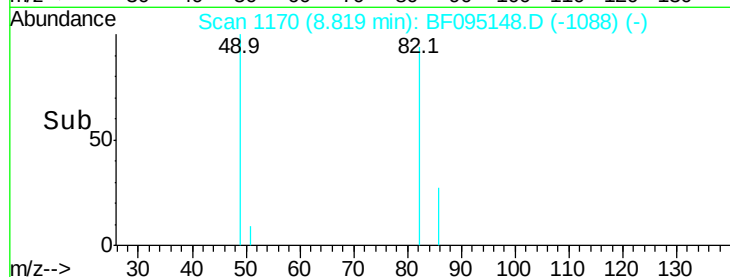
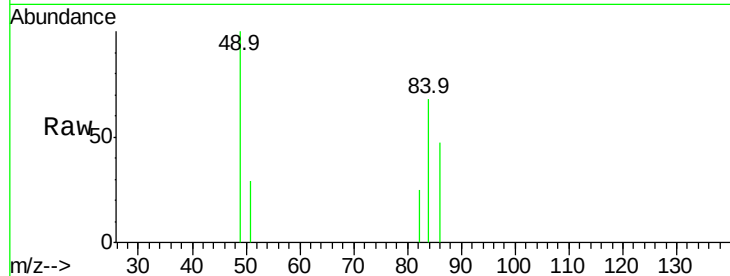
#23
 Nitrobenzene-d5
 Concen: 0.02 ng
 RT: 8.82 min Scan# 1170
 Delta R.T. 0.18 min
 Lab File: BF095148.D
 Acq: 16 May 2017 4:20

Instrument :
 BNA_F
 ClientSampleId :
 TB-12-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	34.0	51.0#
54	0.0	42.2	63.2#

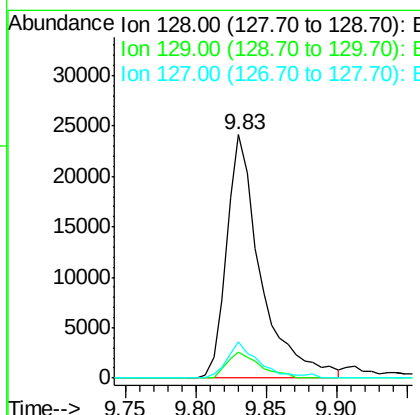
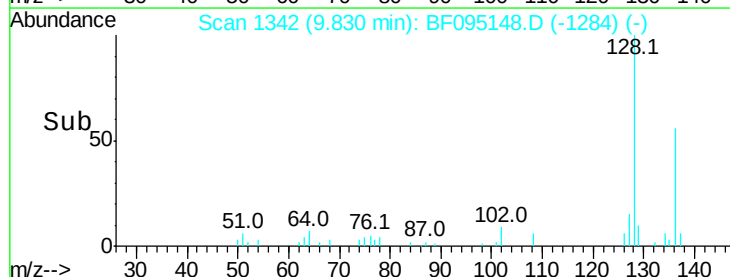
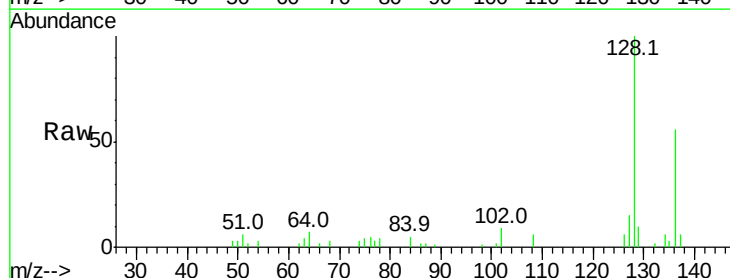
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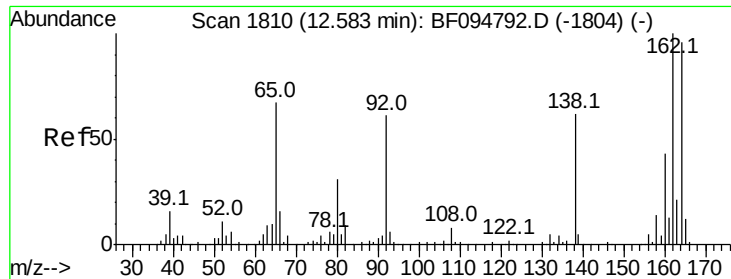
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#31
 Naphthalene
 Concen: 2.87 ng
 RT: 9.83 min Scan# 1342
 Delta R.T. 0.04 min
 Lab File: BF095148.D
 Acq: 16 May 2017 4:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.0	13.6
127	14.7	10.8	16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.62 min Scan# 1817

Delta R.T. 0.04 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

Instrument :

BNA_F

ClientSampleId :

TB-12-6

Tot Ion:164 Resp: 125026

Ion Ratio Lower Upper

164 100

162 107.5 82.6 123.8

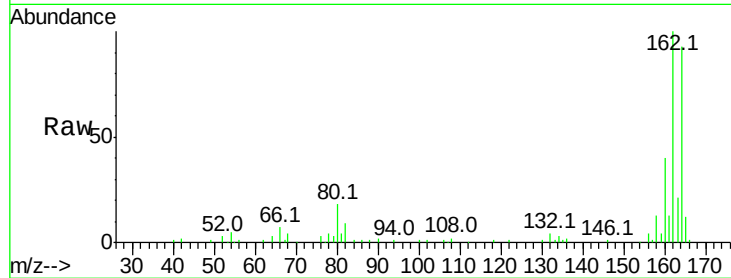
160 43.3 36.2 54.2

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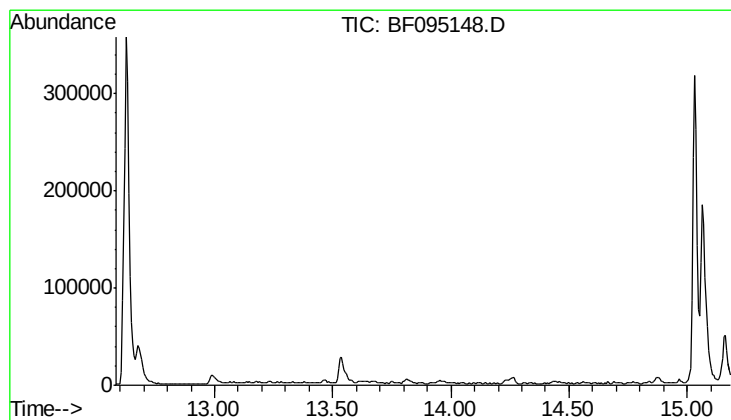
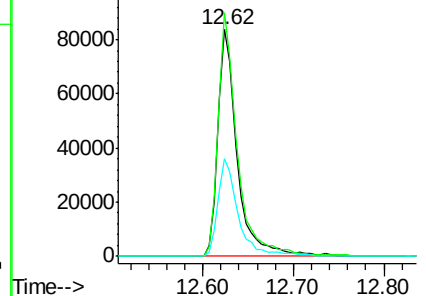
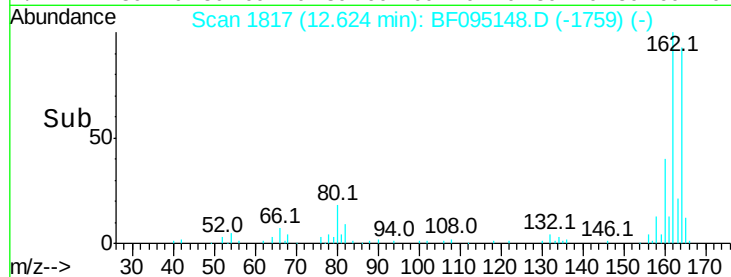
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 13.88 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

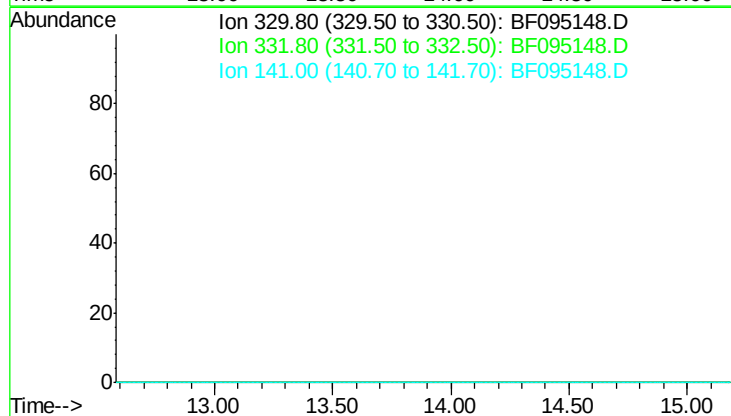
Tgt Ion: 330

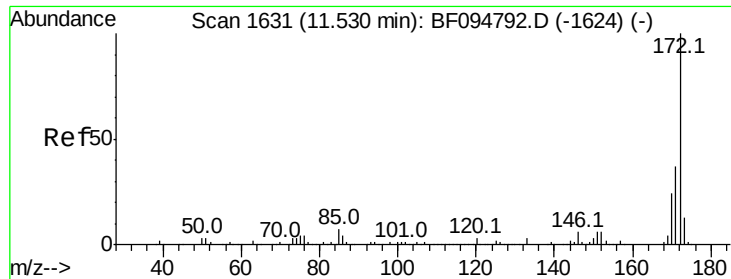
Sig Exp Ratio

330 100

332 95.8

141 39.3





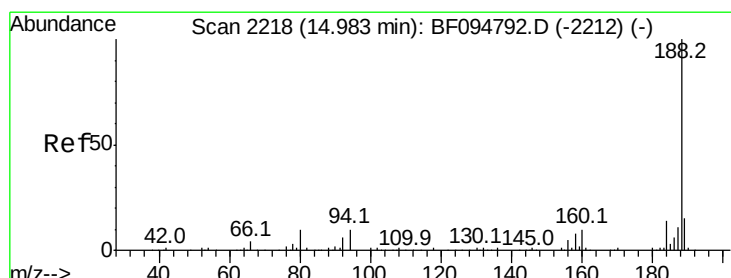
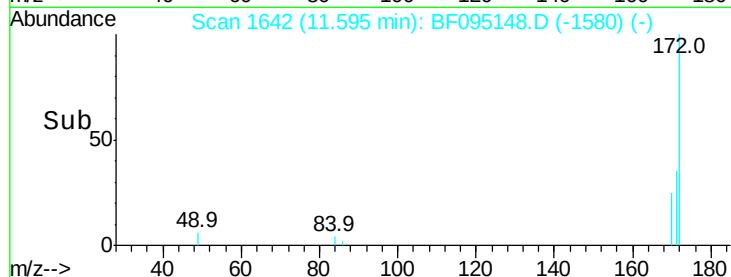
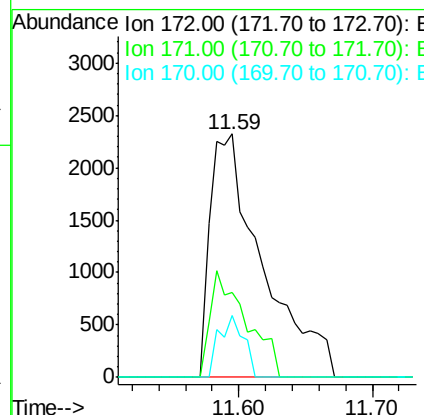
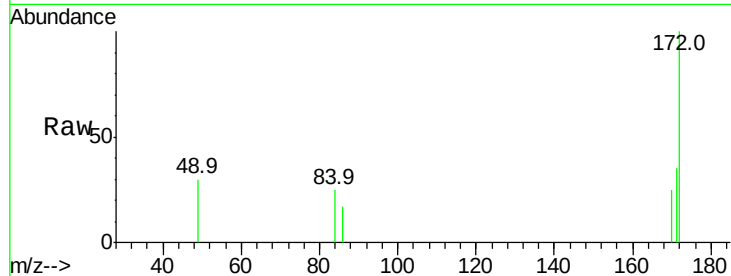
#44
 2-Fluorobiphenyl
 Concen: 0.73 ng
 RT: 11.59 min Scan# 1642
 Delta R.T. 0.06 min
 Lab File: BF095148.D
 Acq: 16 May 2017 4:20

Instrument :
 BNA_F
 ClientSampleId :
 TB-12-6

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	25.4	19.8	29.8

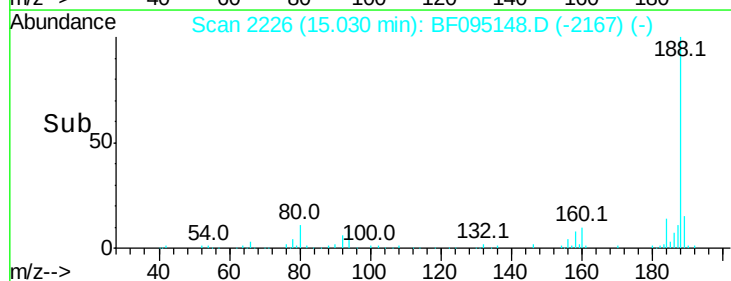
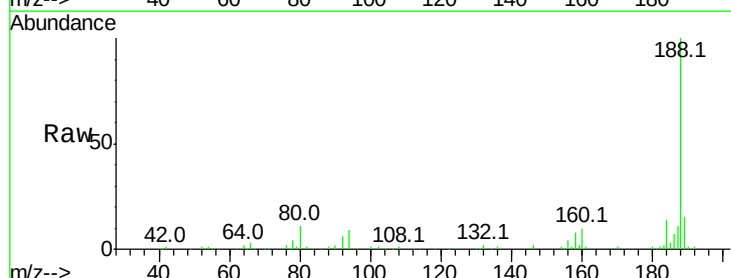
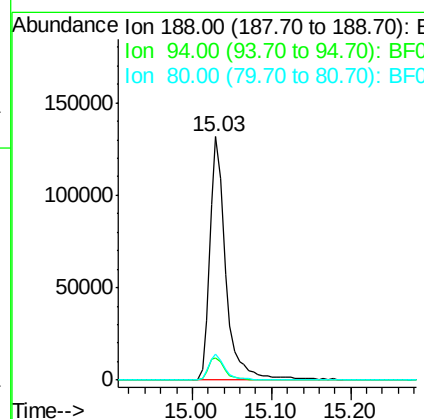
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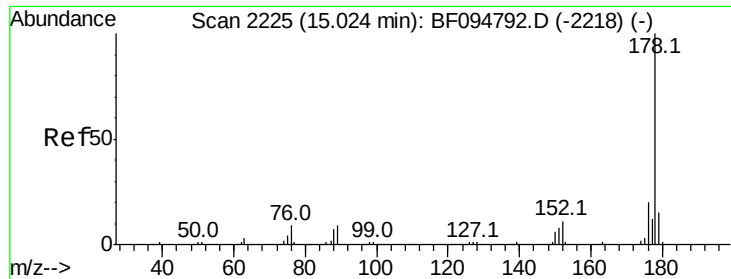
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.05 min
 Lab File: BF095148.D
 Acq: 16 May 2017 4:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	9.4	14.2#
80	10.9	10.2	15.2





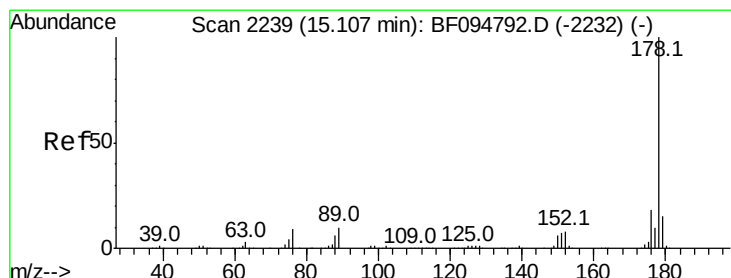
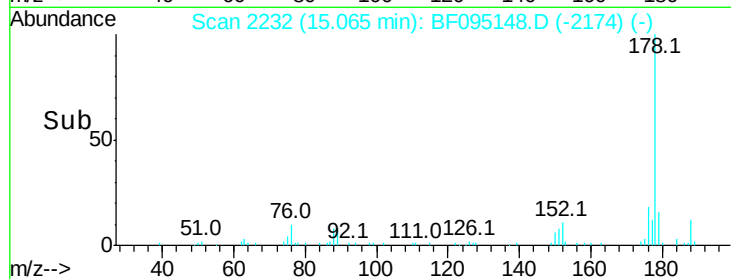
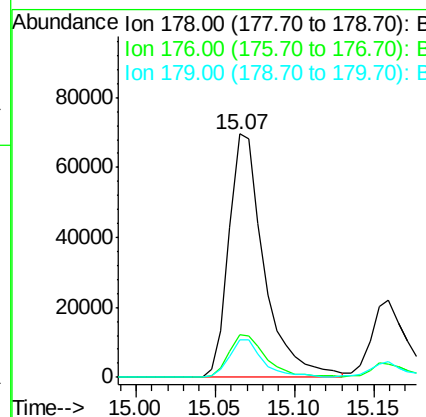
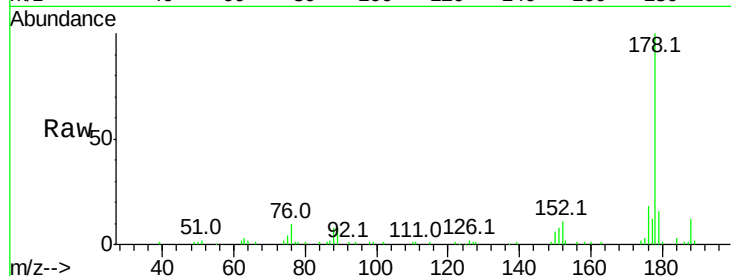
#70
 Phenanthrene
 Concen: 10.09 ng
 RT: 15.07 min Scan# 2232
 Delta R.T. 0.04 min
 Lab File: BF095148.D
 Acq: 16 May 2017 4:20

Instrument :
 BNA_F
 ClientSampleId :
 TB-12-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	16.2	24.4
179	15.6	12.6	19.0

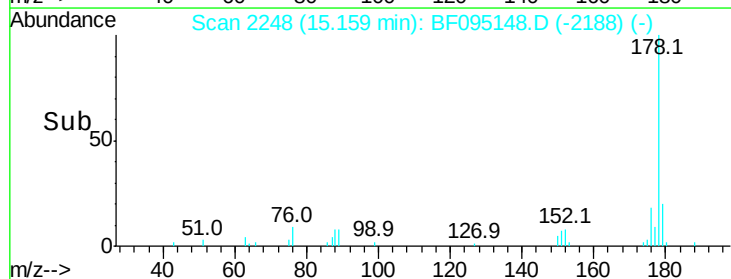
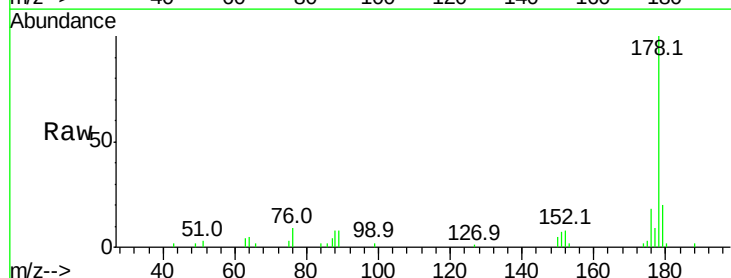
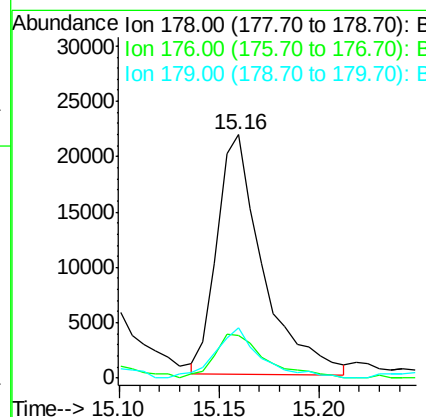
Manual Integrations
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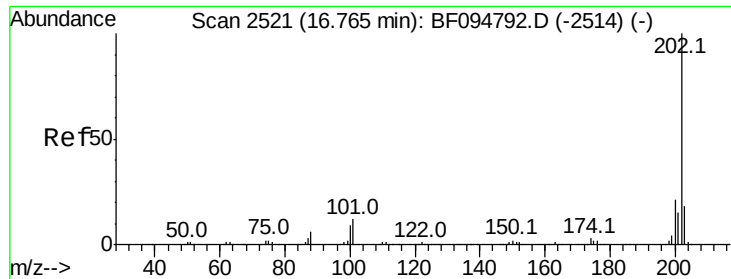
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#71
 Anthracene
 Concen: 3.19 ng m
 RT: 15.16 min Scan# 2248
 Delta R.T. 0.05 min
 Lab File: BF095148.D
 Acq: 16 May 2017 4:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.8
179	20.4	12.7	19.1#





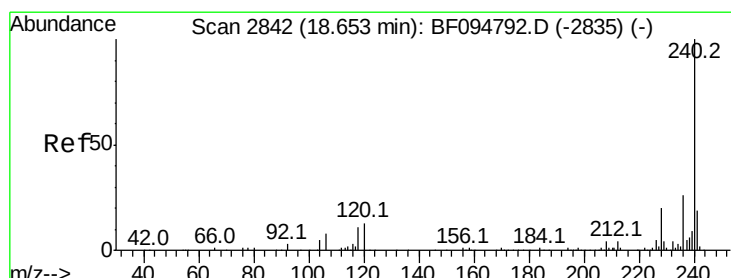
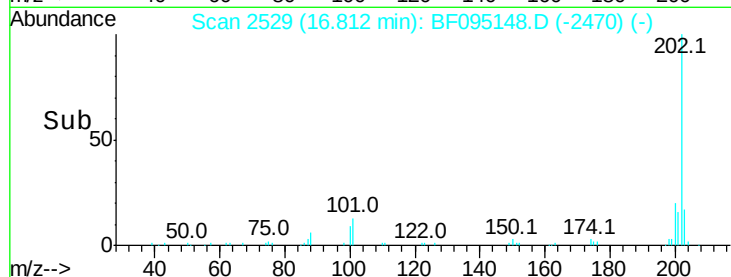
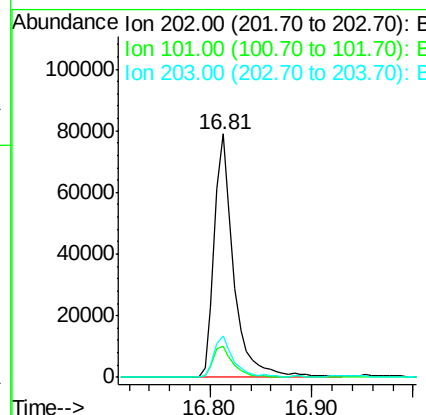
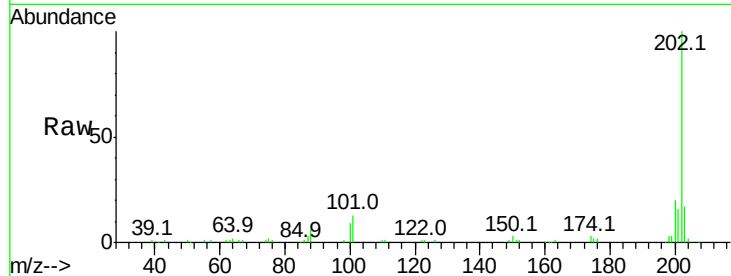
#74
 Fluoranthene
 Concen: 9.71 ng
 RT: 16.81 min Scan# 2529
 Delta R.T. 0.05 min
 Lab File: BF095148.D
 Acq: 16 May 2017 4:20

Instrument :
 BNA_F
 ClientSampled :
 TB-12-6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.9	0.0	33.2
203	17.2	0.0	38.1

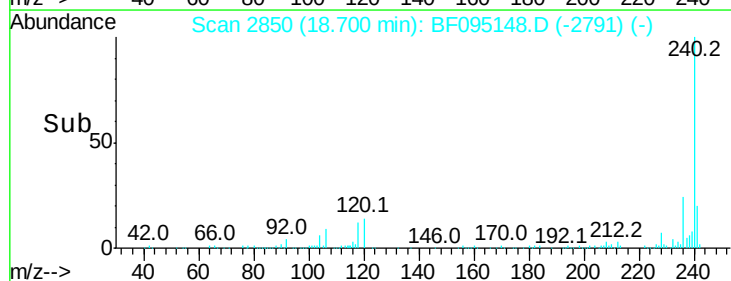
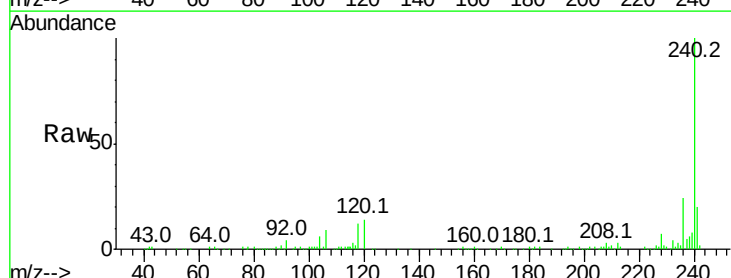
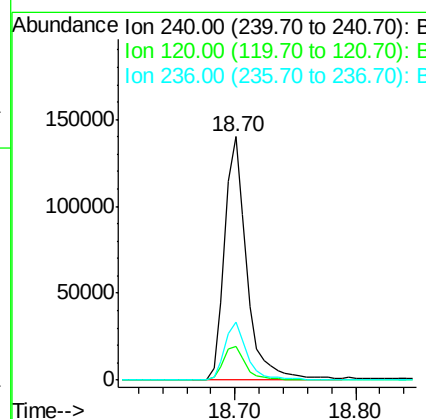
Manual Integrations
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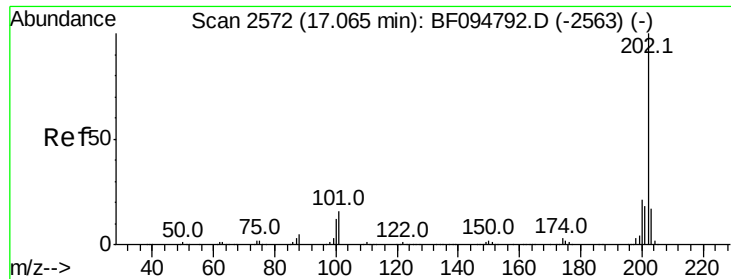
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. 0.05 min
 Lab File: BF095148.D
 Acq: 16 May 2017 4:20

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.9	5.8	8.8#
236	24.1	20.5	30.7





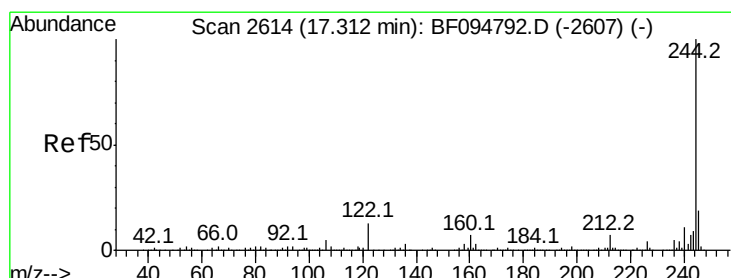
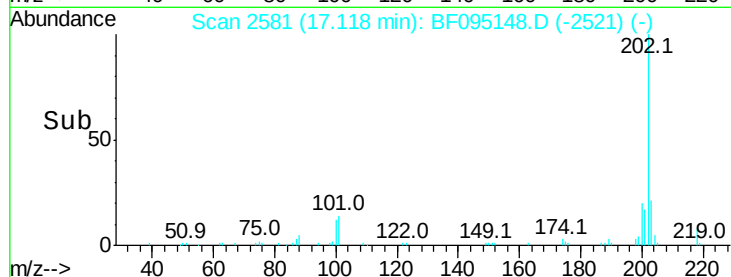
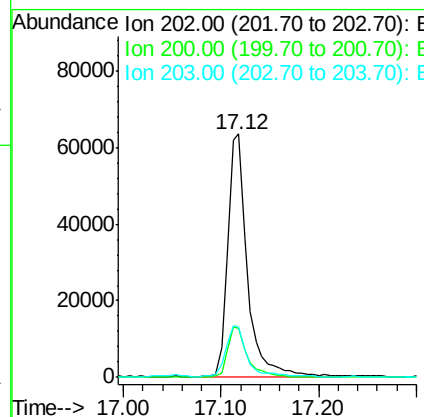
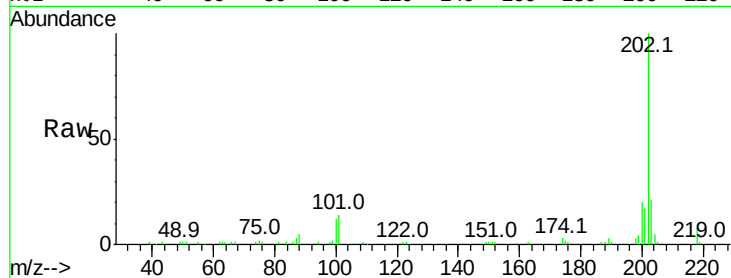
#77
Pvrene
Concen: 6.67 ng
RT: 17.12 min Scan# 2581
Delta R.T. 0.05 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Instrument :
BNA_F
ClientSampleId :
TB-12-6

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.6	26.4
203	20.6	14.4	21.6

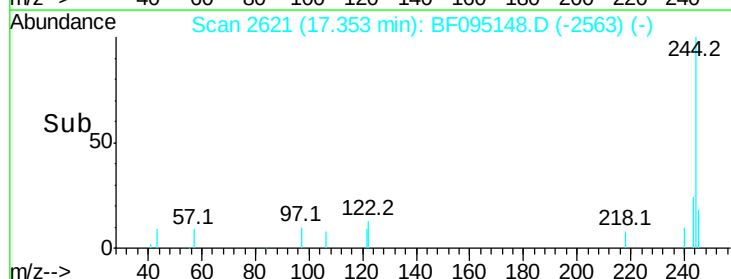
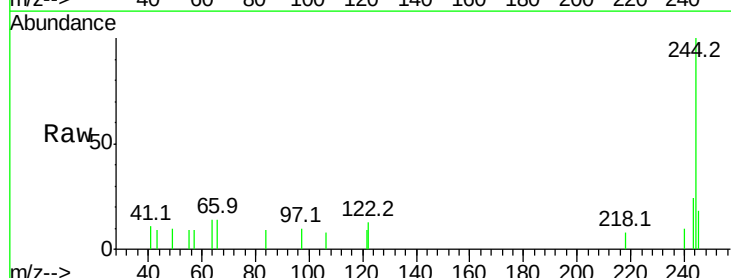
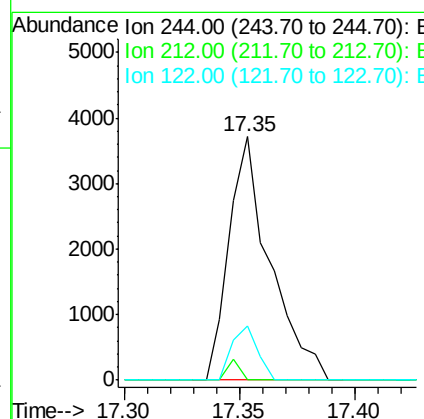
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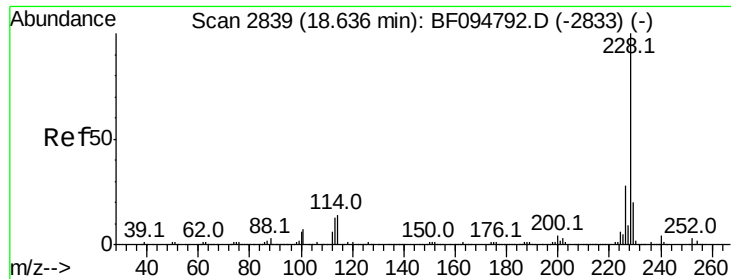
mohammad
5/17/2017 2:20:50 PM



#78
Terphenyl-d14
Concen: 0.57 ng
RT: 17.35 min Scan# 2621
Delta R.T. 0.04 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	0.0	6.0	9.0#
122	22.1	10.3	15.5#





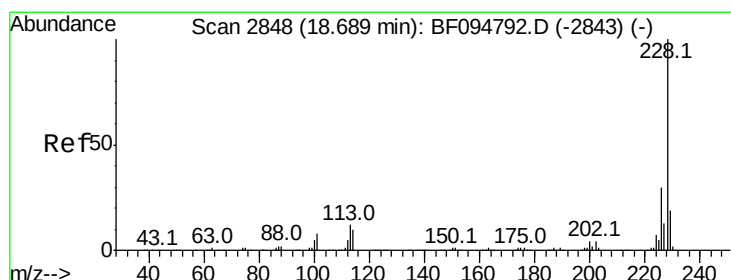
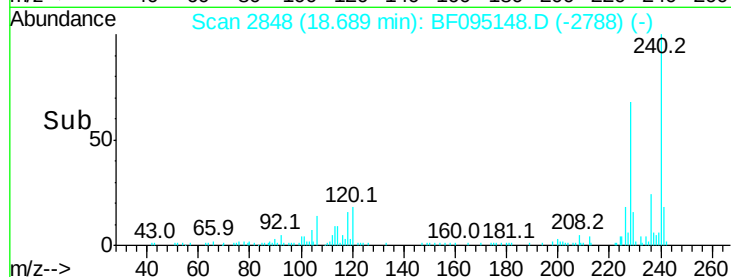
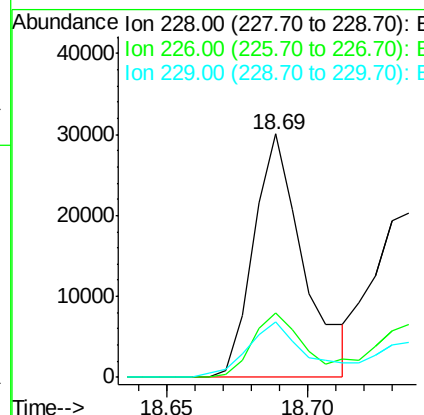
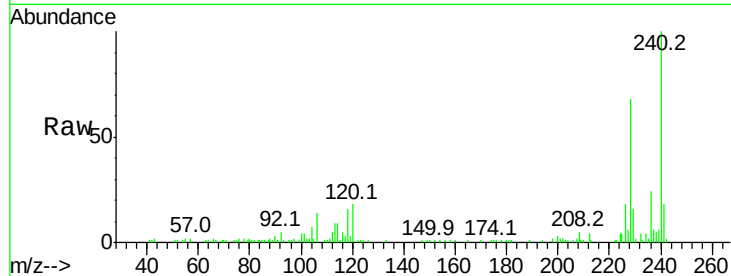
#80
Benzo(a)anthracene
Concen: 3.56 ng
RT: 18.69 min Scan# 2848
Delta R.T. 0.05 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Instrument :
BNA_F
ClientSampled :
TB-12-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.6	33.8
229	22.9	16.3	24.5

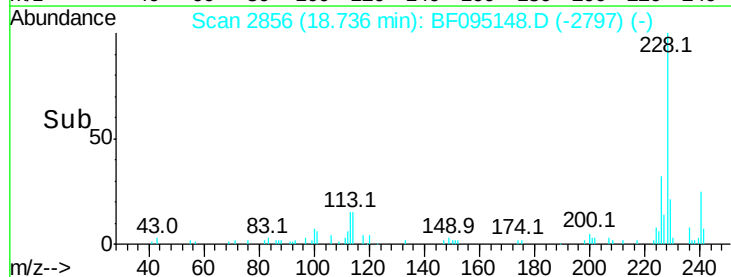
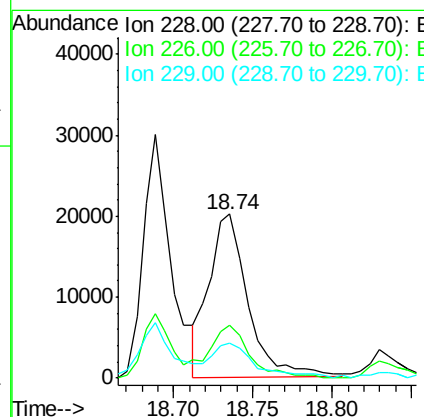
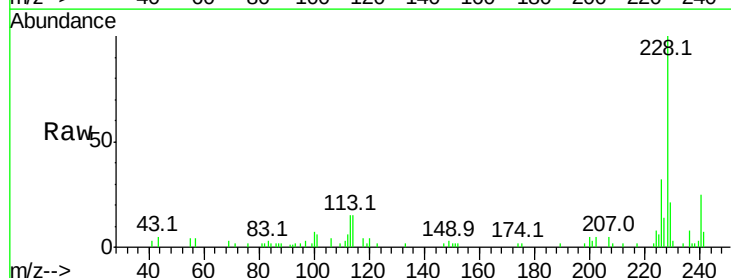
Manual Integrations
APPROVED

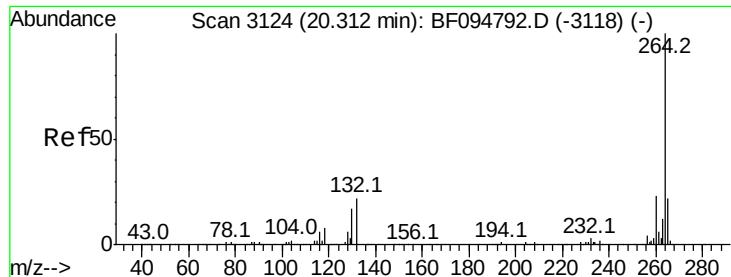
mohammad
5/17/2017 2:20:50 PM



#82
Chrysene
Concen: 3.43 ng
RT: 18.74 min Scan# 2856
Delta R.T. 0.05 min
Lab File: BF095148.D
Acq: 16 May 2017 4:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.9	37.3
229	20.9	15.8	23.6





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.38 min Scan# 3135

Delta R.T. 0.06 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

Instrument :

BNA_F

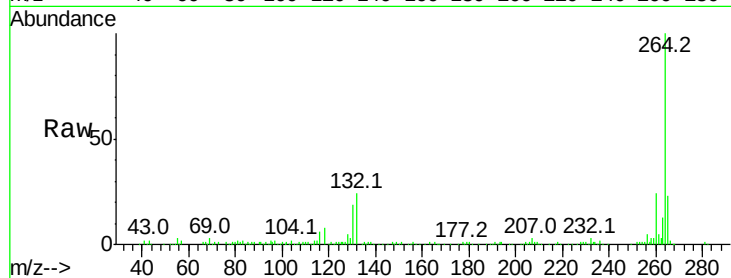
ClientSampled :

TB-12-6

Tot Ion:	264	Resp:	144608
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.5	29.3
265	22.7	17.2	25.8

Manual Integrations
APPROVED

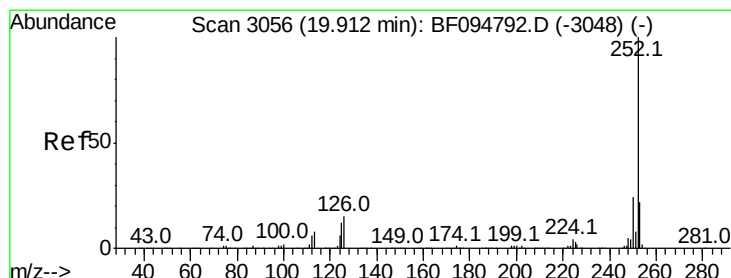
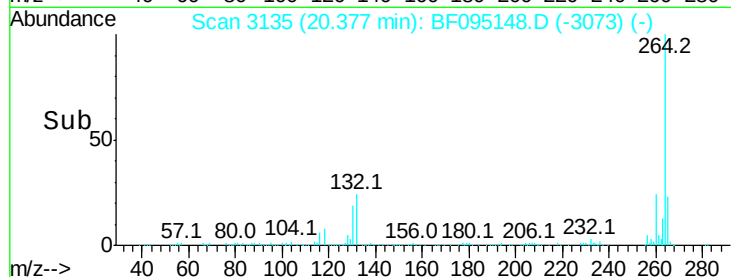
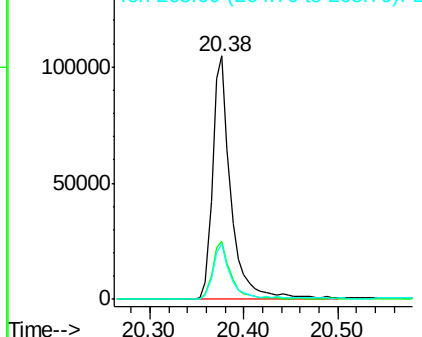
mohammad
5/17/2017 2:20:50 PM



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



#87

Benzo(b)fluoranthene

Concen: 3.50 ng m

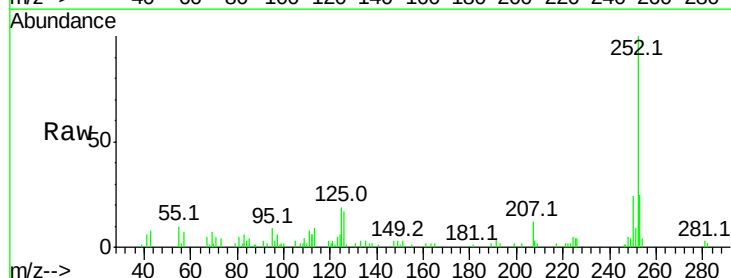
RT: 19.97 min Scan# 3066

Delta R.T. 0.06 min

Lab File: BF095148.D

Acq: 16 May 2017 4:20

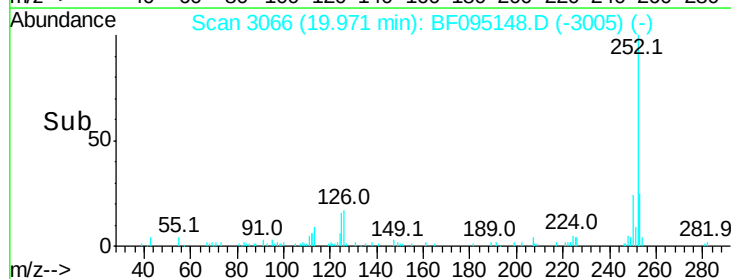
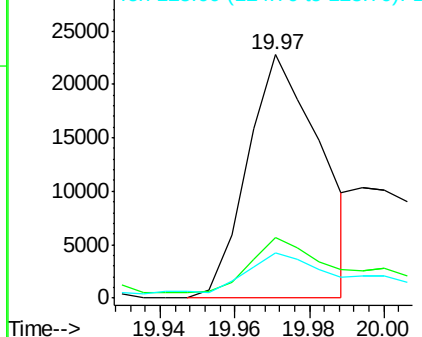
Tgt Ion:	252	Resp:	31247
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.1	27.1
125	18.5	9.8	14.8#

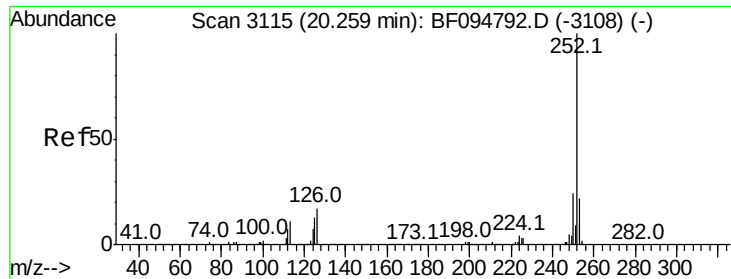


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(a)pyrene
 Concen: 2.78 ng
 RT: 20.32 min Scan# 3126
 Delta R.T. 0.06 min
 Lab File: BF095148.D
 Acq: 16 May 2017 4:20

Instrument :
 BNA_F
 ClientSampleId :
 TB-12-6

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.9	17.5	26.3
125	17.1	11.0	16.4

Manual Integrations
 APPROVED

mohammad
 5/17/2017 2:20:50 PM

