

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095149.D
 Acq On : 16 May 2017 4:52
 Operator : SJ/MA
 Sample : I3140-11 20X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-3

Manual Integrations
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 5/17/2017 2:20:53 PM

Quant Time: May 16 09:22:36 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	74868	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	285326	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	109443	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	152313	20.00	ng	0.05
75) Chrysene-d12	18.70	240	156193	20.00	ng	0.05
86) Perylene-d12	20.38	264	138763	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	5674	1.26	ng	0.18
7) Phenol-d6	7.43	99	6315	1.17	ng	0.15
23) Nitrobenzene-d5	8.74	82	6672	1.47	ng	0.11
41) 2,4,6-Tribromophenol	13.95	330	2461	2.75	ng	0.07
44) 2-Fluorobiphenyl	11.58	172	30168	3.97	ng	0.05
78) Terphenyl-d14	17.35	244	18467	2.60	ng	0.04
Target Compounds						
74) Fluoranthene	16.81	202	100314	11.17	ng	Qvalue 98
77) Pyrene	17.11	202	88725	7.60	ng	# 94
80) Benzo(a)anthracene	18.69	228	38150	4.20	ng	95
82) Chrysene	18.74	228	43955	5.00	ng	98
87) Benzo(b)fluoranthene	19.97	252	56807m	6.63	ng	
88) Benzo(k)fluoranthene	19.99	252	22344m	2.70	ng	
89) Benzo(a)pyrene	20.32	252	37923	4.79	ng	# 91
91) Benzo(g,h,i)perylene	22.11	276	18812	2.93	ng	96

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

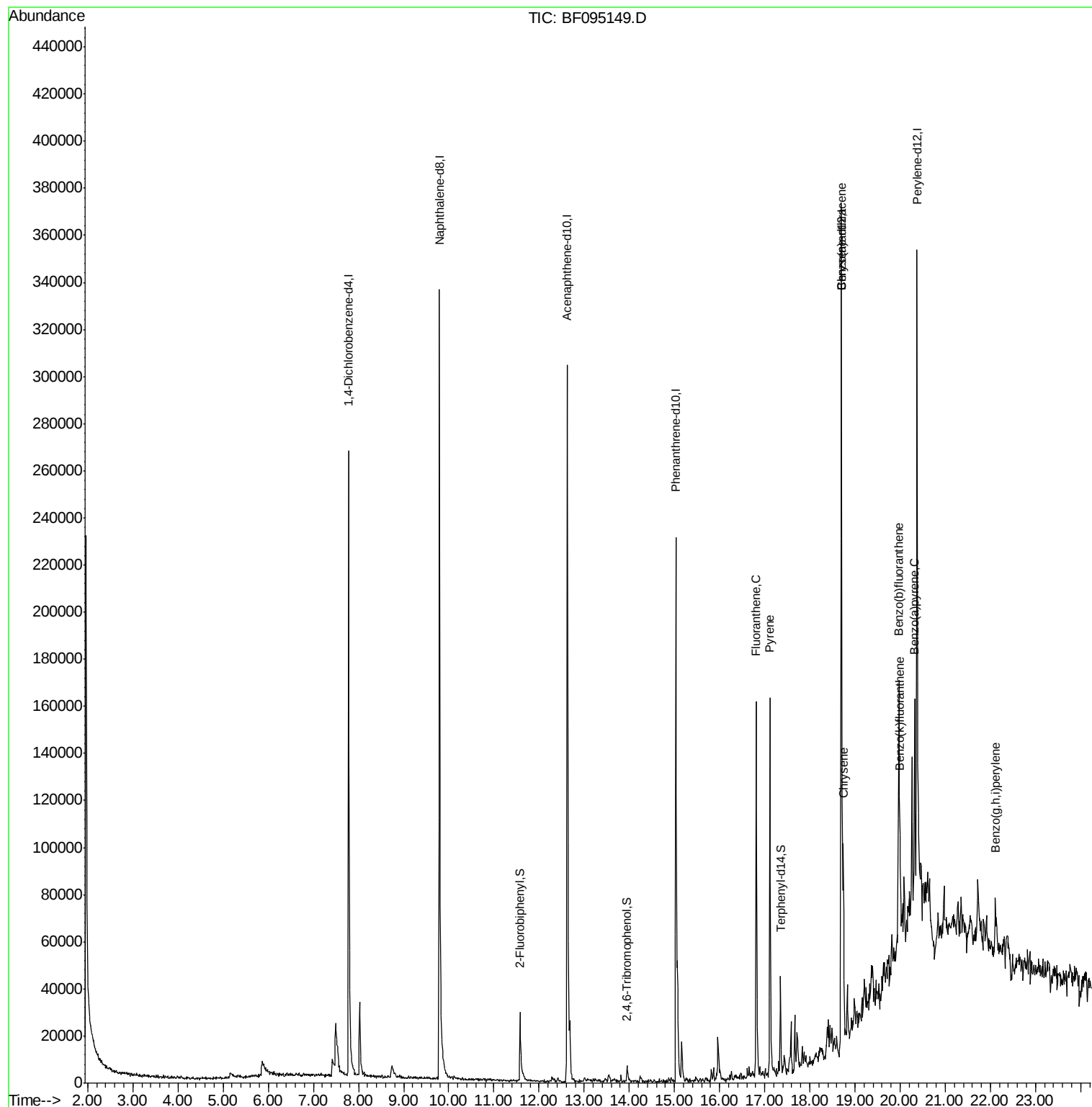
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
Data File : BF095149.D
Acq On : 16 May 2017 4:52
Operator : SJ/MA
Sample : I3140-11 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

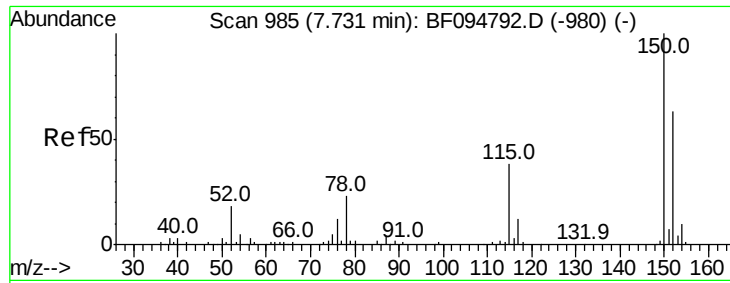
Instrument :
BNA_F
ClientSampled :
TP-4-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration





#1

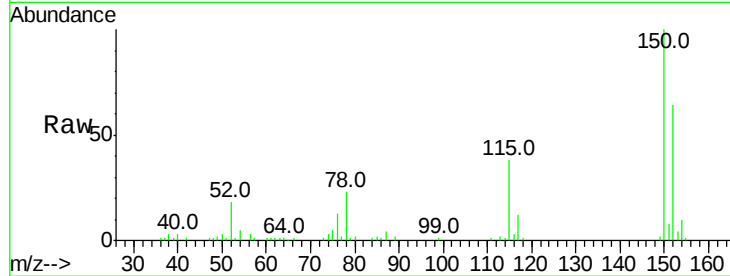
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095149.D
Acq: 16 May 2017 4:52

Instrument :
BNA_F
ClientSampled :
TP-4-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	59.9	52.2	78.2

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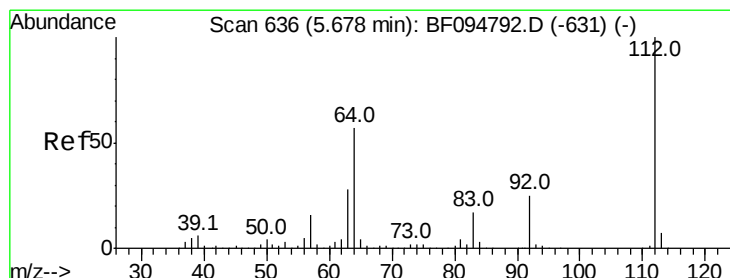
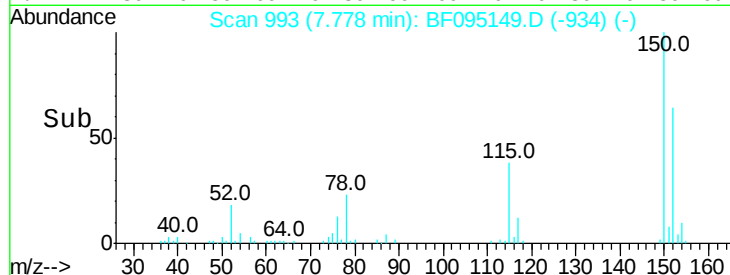
Abundance

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

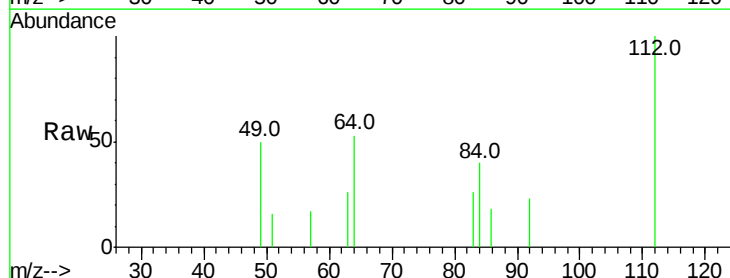
Time-->



#5

2-Fluorophenol
Concen: 1.26 ng
RT: 5.85 min Scan# 666
Delta R.T. 0.18 min
Lab File: BF095149.D
Acq: 16 May 2017 4:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	46.0	69.0
63	26.0	23.4	35.0



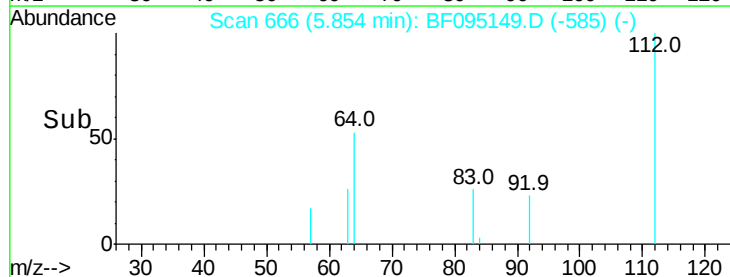
Abundance

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

Time-->





#7

Phenol-d6

Concen: 1.17 ng

RT: 7.43 min Scan# 934

Delta R.T. 0.15 min

Lab File: BF095149.D

Acq: 16 May 2017 4:52

Instrument :

BNA_F

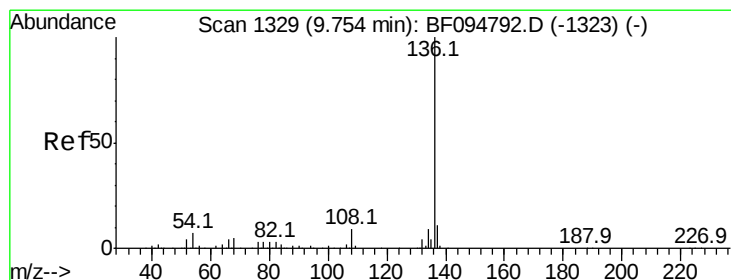
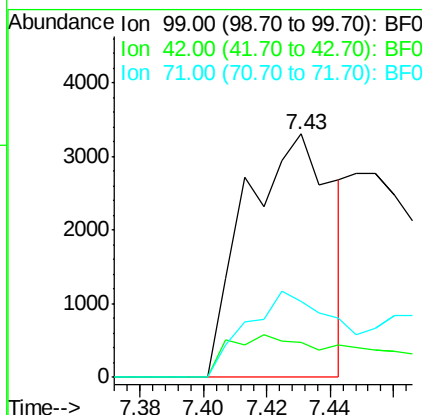
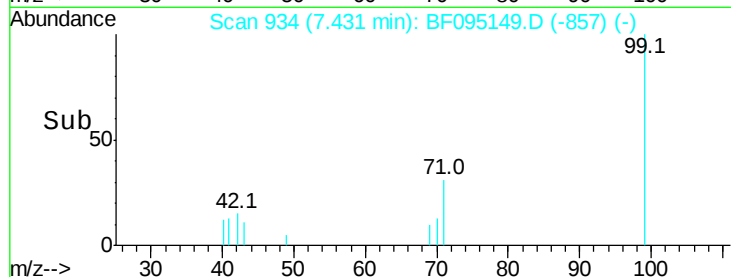
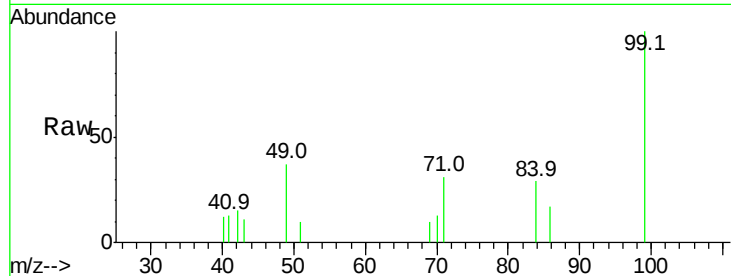
ClientSampled :

TP-4-3

Tot Ion:	99	Resp:	6315
Ion Ratio	Lower	Upper	
99	100		
42	14.5	13.5	20.3
71	31.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

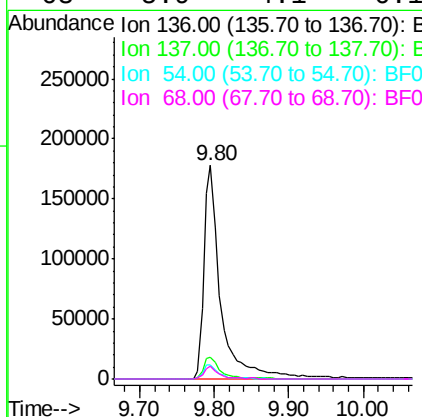
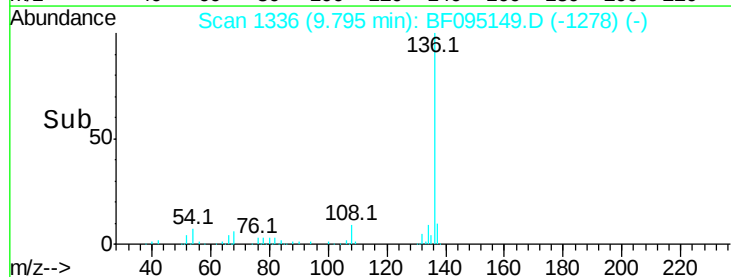
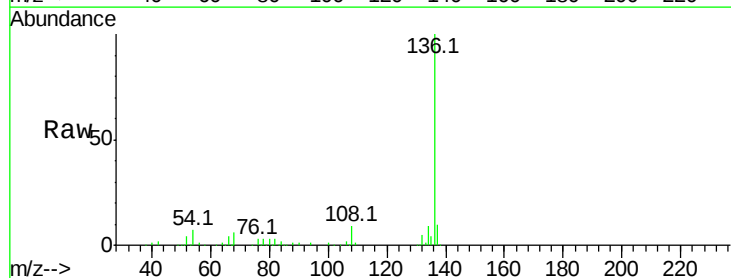
RT: 9.80 min Scan# 1336

Delta R.T. 0.04 min

Lab File: BF095149.D

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Tgt Ion:	136	Resp:	285326
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.5	12.7
54	6.7	4.9	7.3
68	5.9	4.1	6.1





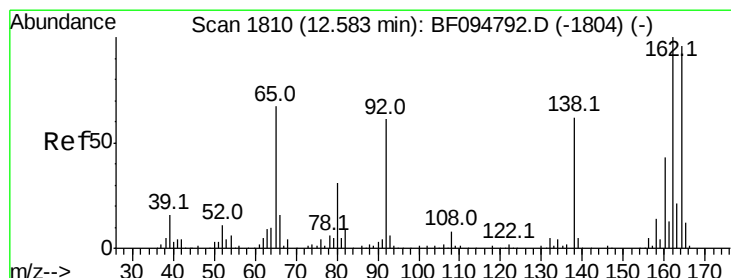
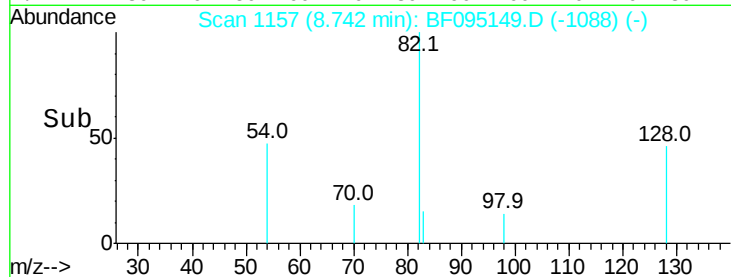
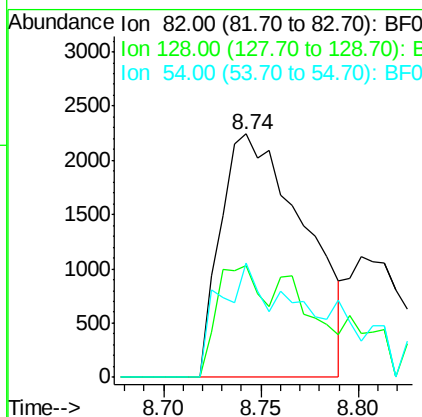
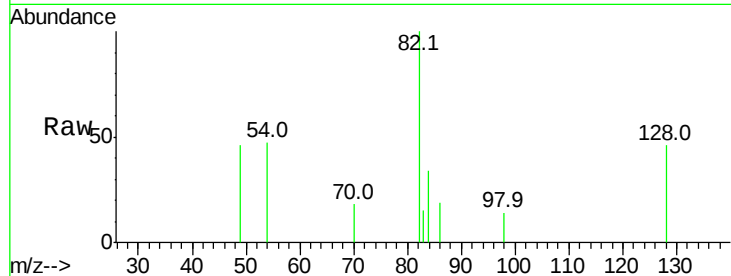
#23
 Nitrobenzene-d5
 Concen: 1.47 ng
 RT: 8.74 min Scan# 1157
 Delta R.T. 0.11 min
 Lab File: BF095149.D
 Acq: 16 May 2017 4:52

Instrument :
 BNA_F
 ClientSampled :
 TP-4-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.0	51.0
54	46.9	42.2	63.2

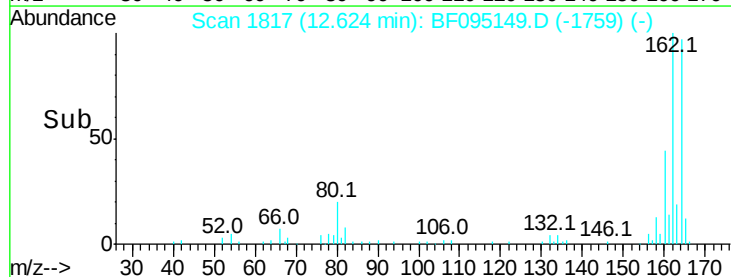
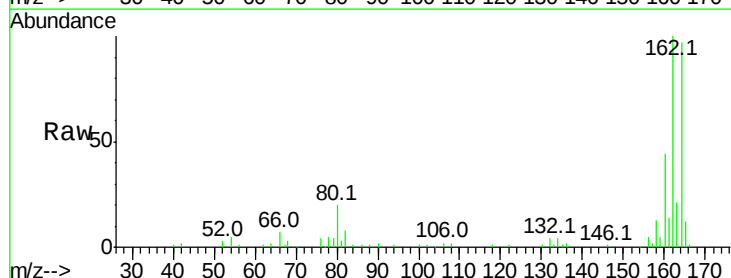
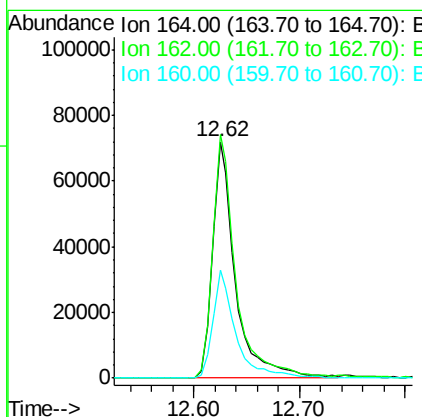
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.04 min
 Lab File: BF095149.D
 Acq: 16 May 2017 4:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.6	123.8
160	45.7	36.2	54.2





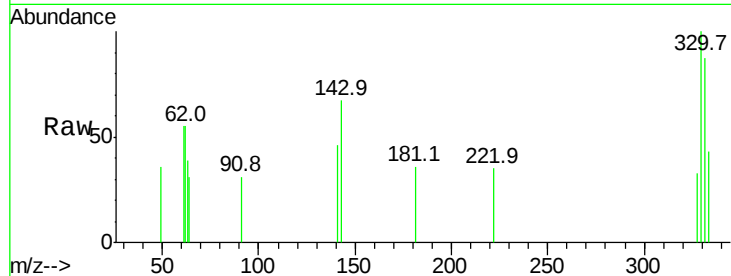
#41
 2,4,6-Tribromophenol
 Concen: 2.75 ng
 RT: 13.95 min Scan# 2043
 Delta R.T. 0.07 min
 Lab File: BF095149.D
 Acq: 16 May 2017 4:52

Instrument :
 BNA_F
 ClientSampled :
 TP-4-3

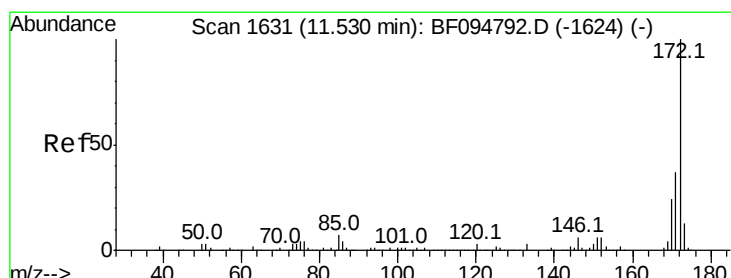
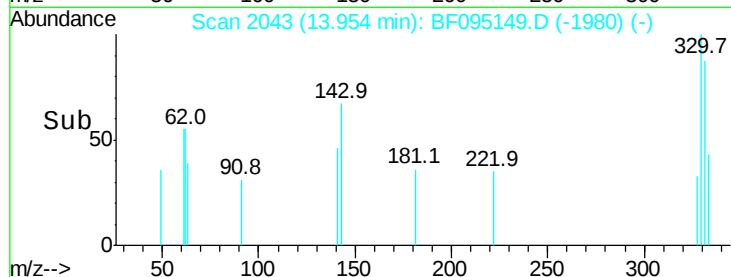
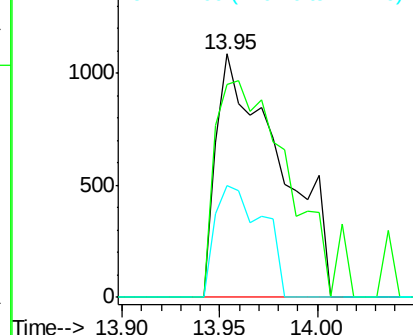
Tot Ion	Ratio	Lower	Upper
330	100		
332	103.2	76.6	115.0
141	34.3	31.4	47.2

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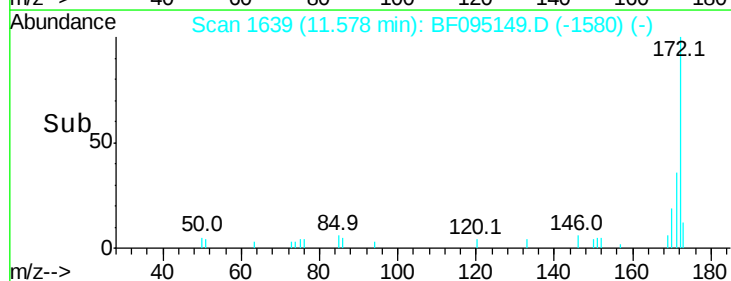
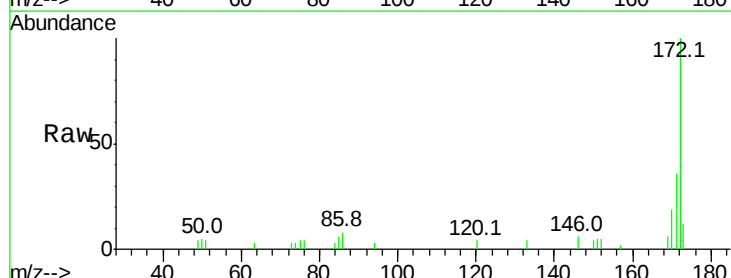
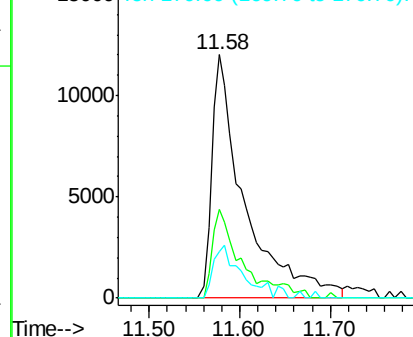
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 3.97 ng
 RT: 11.58 min Scan# 1639
 Delta R.T. 0.05 min
 Lab File: BF095149.D
 Acq: 16 May 2017 4:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	19.1	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





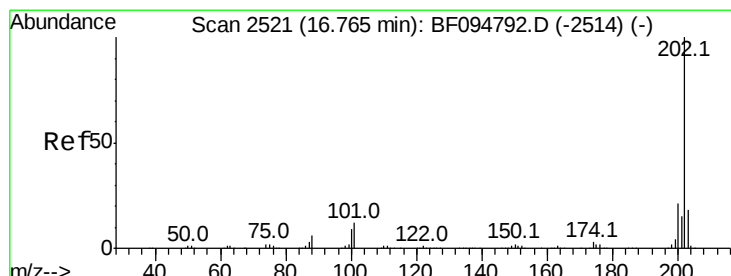
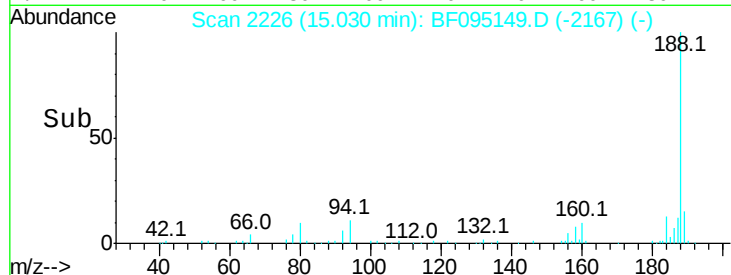
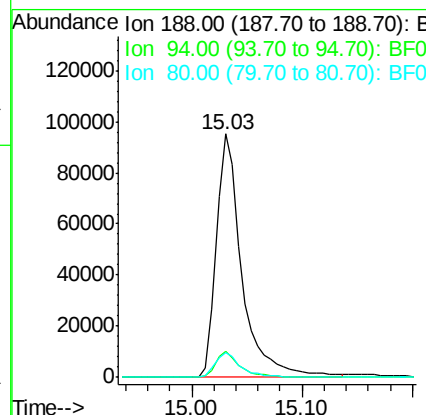
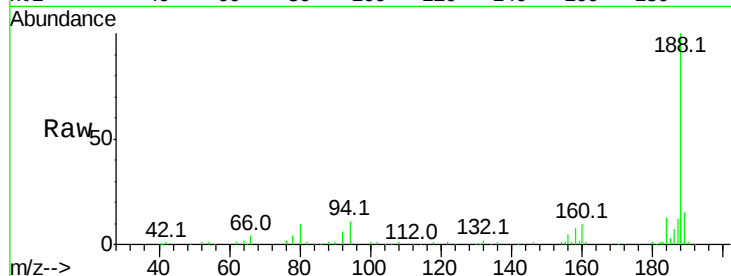
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.03 min Scan# 2226
Delta R.T. 0.05 min
Lab File: BF095149.D
Acq: 16 May 2017 4:52

Instrument :
BNA_F
ClientSampleId :
TP-4-3

Tot Ion	Ratio	Resp	Lower	Upper
188	100	152313		
94	10.8		9.4	14.2
80	10.3		10.2	15.2

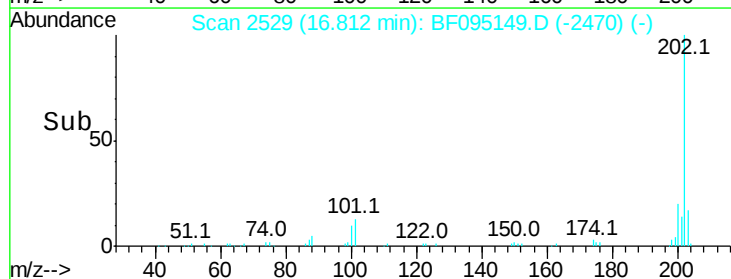
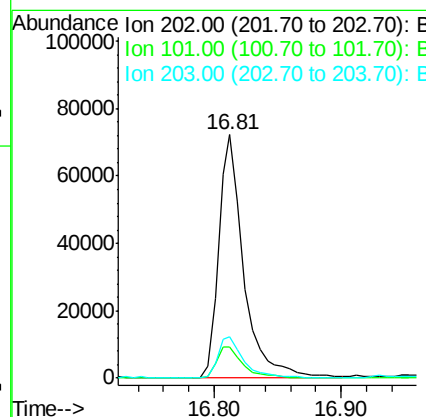
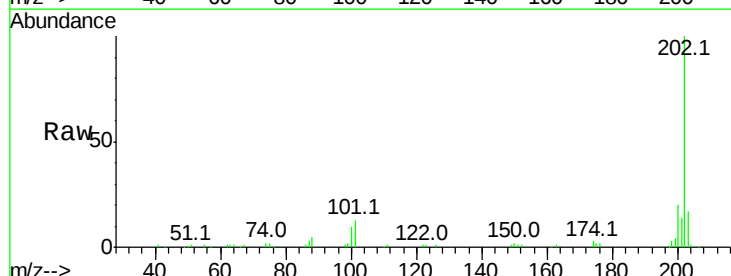
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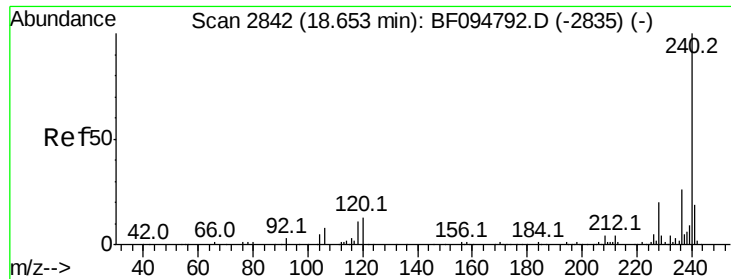
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#74
Fluoranthene
Concen: 11.17 ng
RT: 16.81 min Scan# 2529
Delta R.T. 0.05 min
Lab File: BF095149.D
Acq: 16 May 2017 4:52

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	100314		
101	12.7		0.0	33.2
203	17.2		0.0	38.1





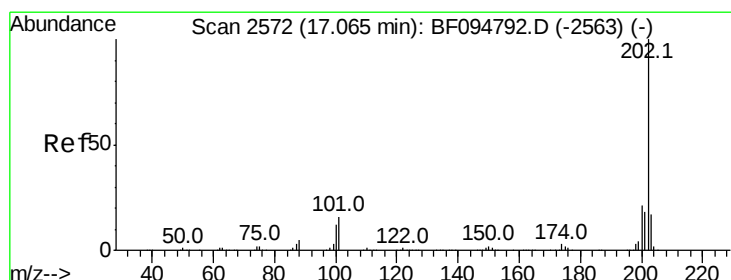
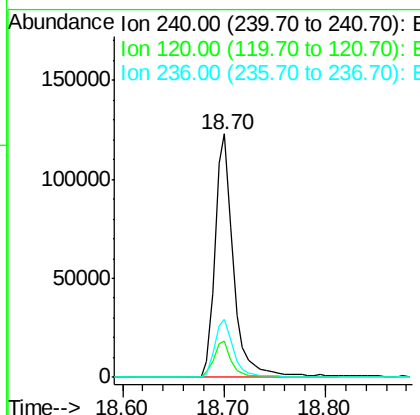
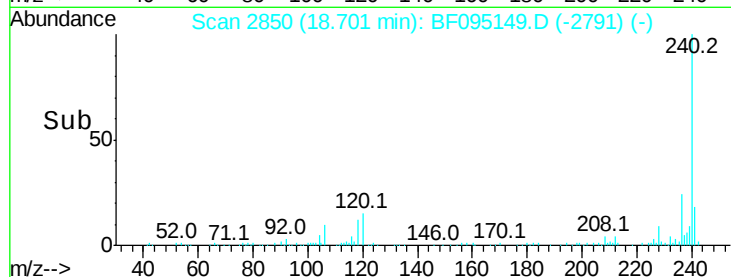
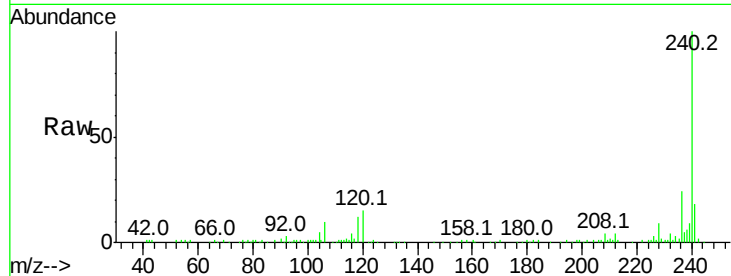
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. 0.05 min
 Lab File: BF095149.D
 Acq: 16 May 2017 4:52

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.9	5.8	8.8#
236	23.8	20.5	30.7

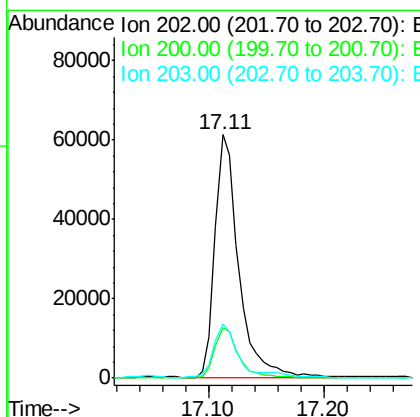
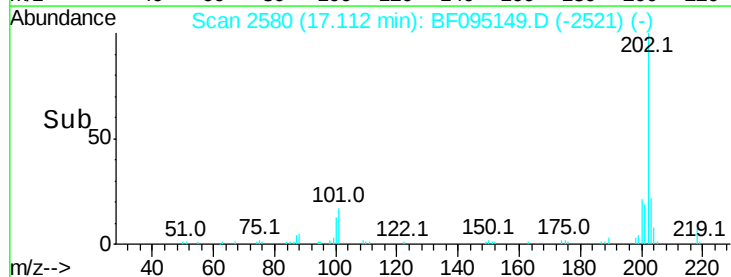
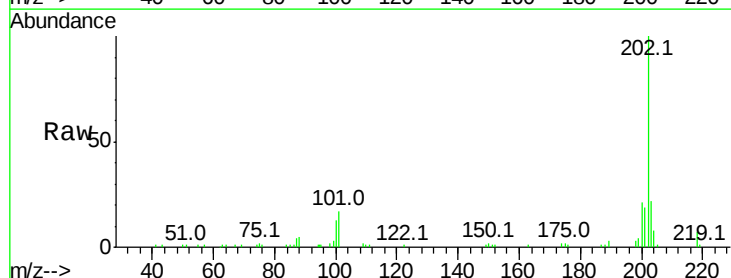
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#77
 Pyrene
 Concen: 7.60 ng
 RT: 17.11 min Scan# 2580
 Delta R.T. 0.05 min
 Lab File: BF095149.D
 Acq: 16 May 2017 4:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	22.5	14.4	21.6#





#78

Terphenyl-d14

Concen: 2.60 ng

RT: 17.35 min Scan# 2620

Delta R.T. 0.04 min

Lab File: BF095149.D

Acq: 16 May 2017 4:52

Instrument :

BNA_F

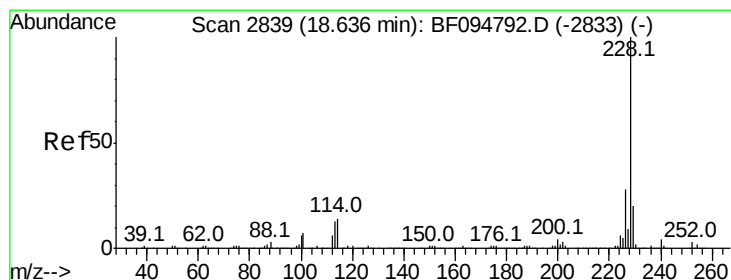
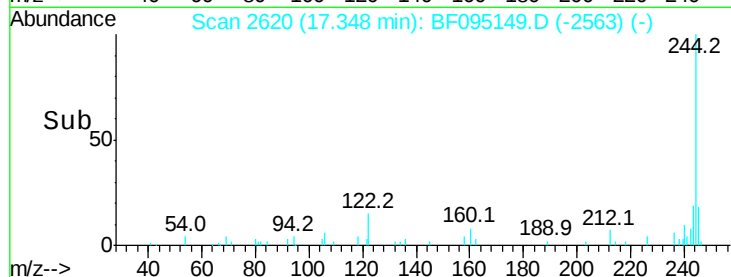
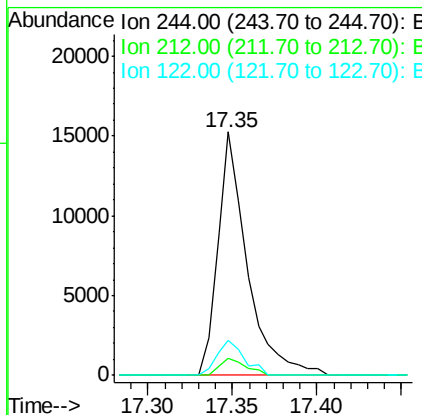
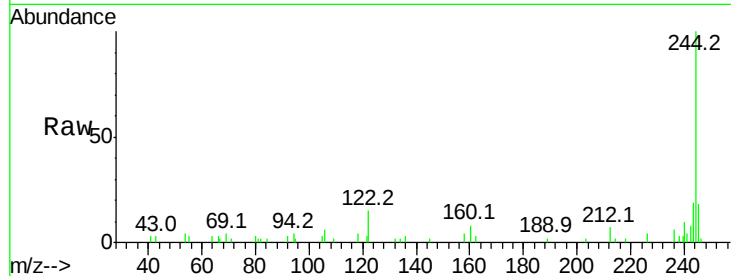
ClientSampleId :

TP-4-3

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	6.0	9.0	
122	14.5	10.3	15.5	

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#80

Benzo(a)anthracene

Concen: 4.20 ng

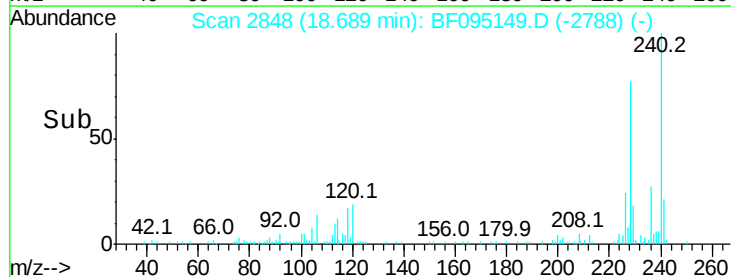
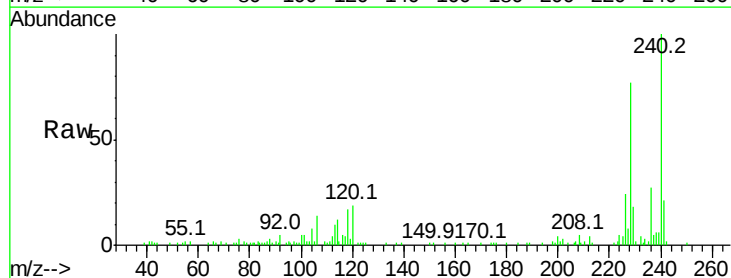
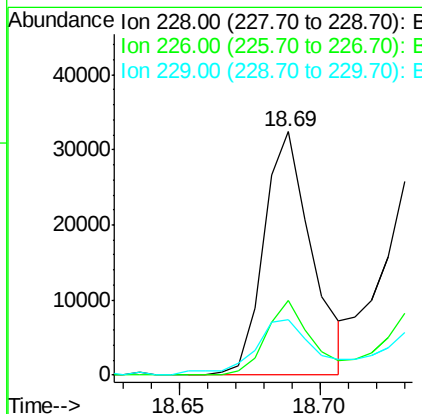
RT: 18.69 min Scan# 2848

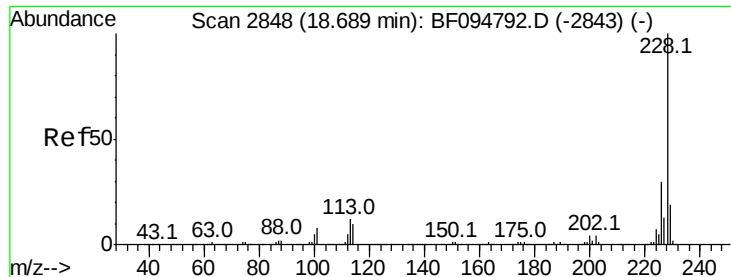
Delta R.T. 0.05 min

Lab File: BF095149.D

Acq: 16 May 2017 4:52

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.9	22.6	33.8	
229	22.9	16.3	24.5	





#82

Chrysene

Concen: 5.00 ng

RT: 18.74 min Scan# 2856

Delta R.T. 0.05 min

Lab File: BF095149.D

Acq: 16 May 2017 4:52

Instrument :

BNA_F

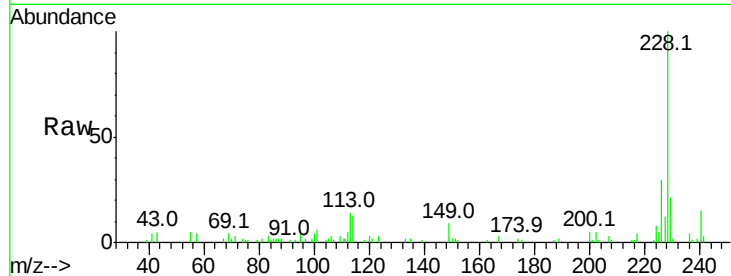
ClientSampleId :

TP-4-3

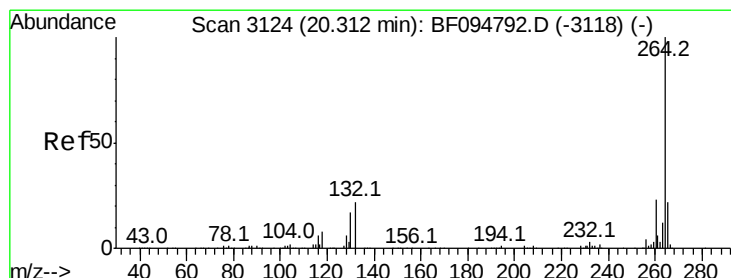
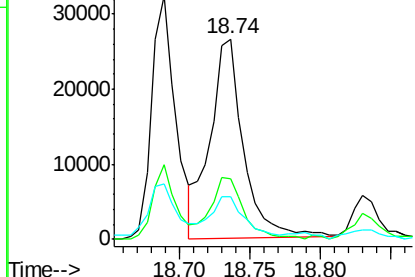
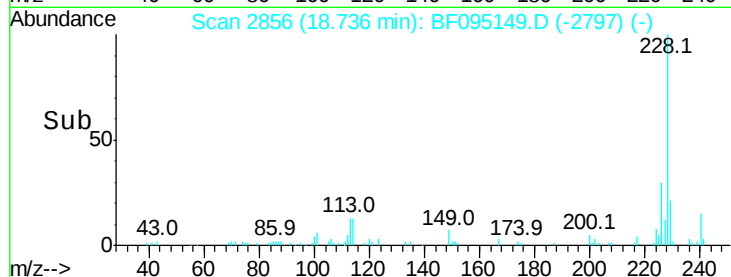
Tot Ion:	228	Resp:	43955
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.9	37.3
229	21.3	15.8	23.6

Manual Integrations
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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



#86

Perylene-d12

Concen: 20.00 ng

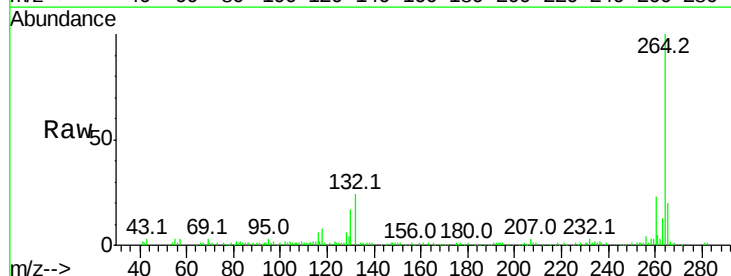
RT: 20.38 min Scan# 3135

Delta R.T. 0.06 min

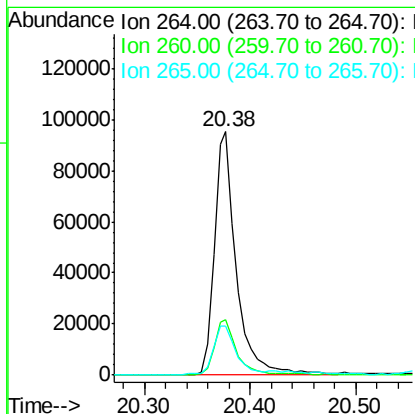
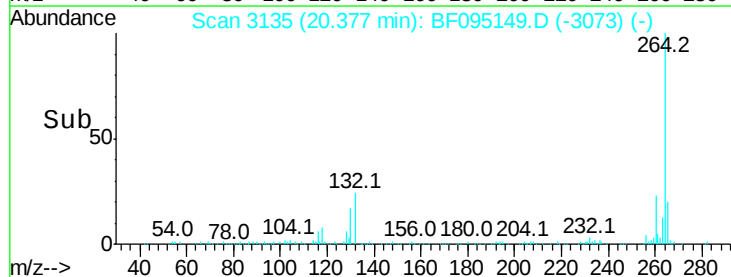
Lab File: BF095149.D

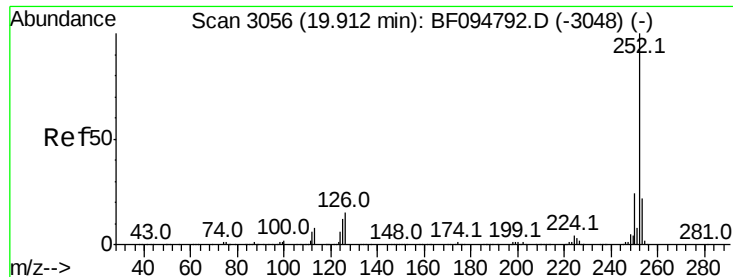
Acq: 16 May 2017 4:52

Tgt Ion:	264	Resp:	138763
Ion Ratio	Lower	Upper	
264	100		
260	22.7	19.5	29.3
265	20.2	17.2	25.8



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: 6.63 ng m

RT: 19.97 min Scan# 3066

Delta R.T. 0.06 min

Lab File: BF095149.D

Acq: 16 May 2017 4:52

Instrument :

BNA_F

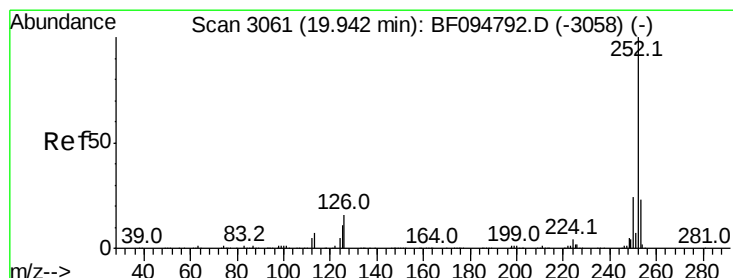
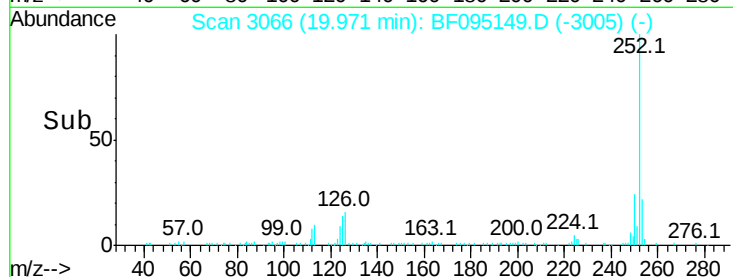
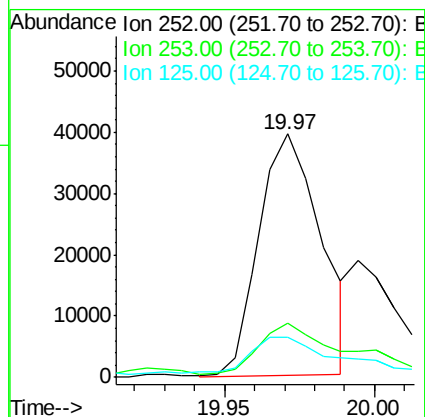
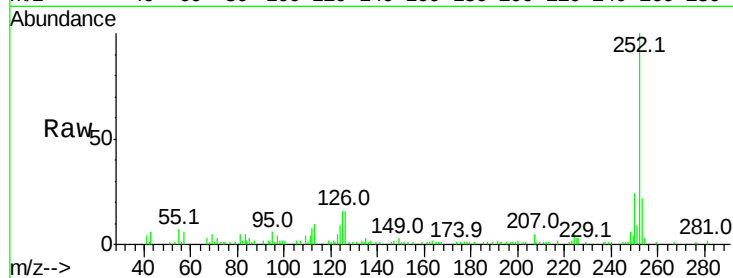
ClientSampled :

TP-4-3

Tot Ion:	252	Resp:	56807
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.1	27.1
125	16.2	9.8	14.8#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.70 ng m

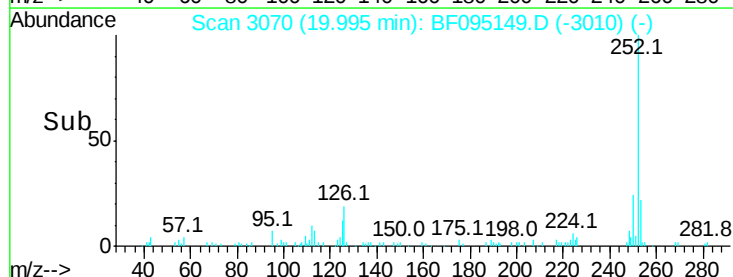
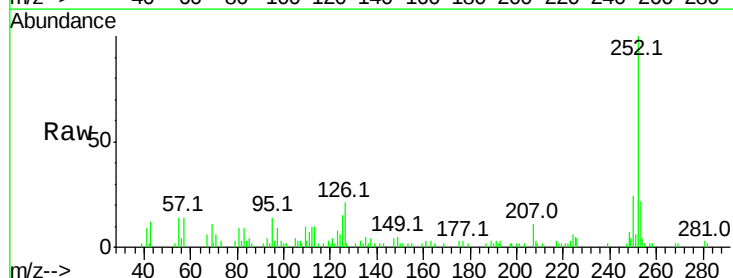
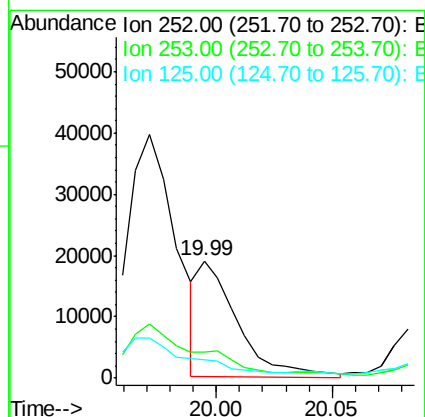
RT: 19.99 min Scan# 3070

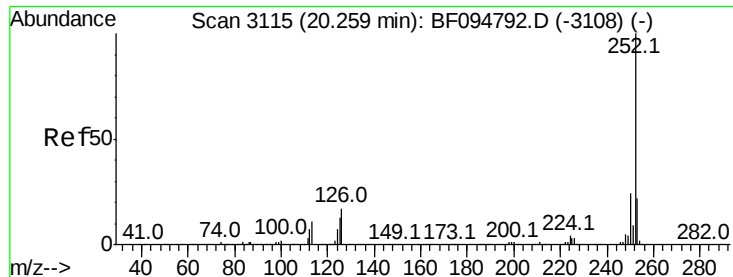
Delta R.T. 0.05 min

Lab File: BF095149.D

Acq: 16 May 2017 4:52

Tgt Ion:	252	Resp:	22344
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.4	27.6
125	15.4	13.1	19.7





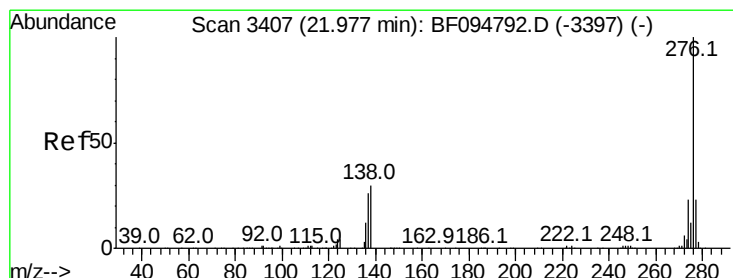
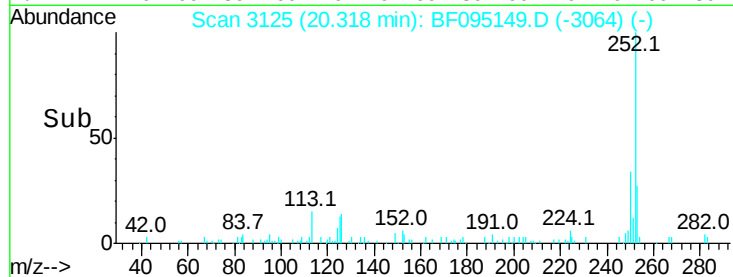
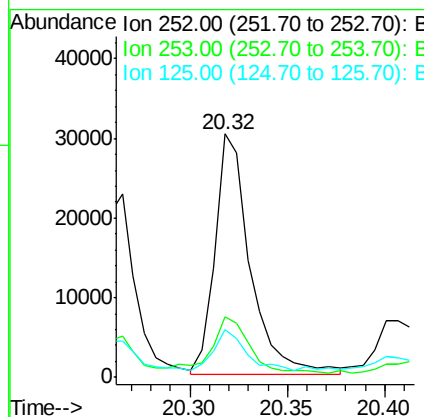
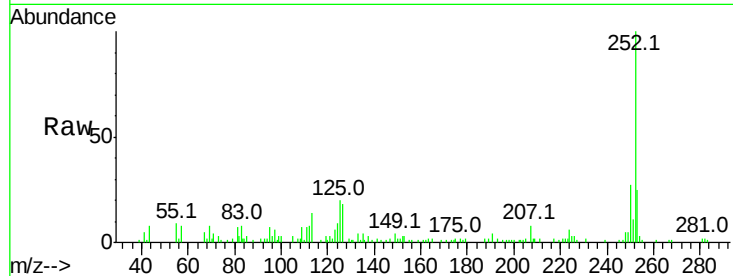
#89
Benzo(a)pyrene
Concen: 4.79 ng
RT: 20.32 min Scan# 3125
Delta R.T. 0.06 min
Lab File: BF095149.D
Acq: 16 May 2017 4:52

Instrument :
BNA_F
ClientSampled :
TP-4-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	19.7	11.0	16.4

Manual Integrations
APPROVED

mohammad
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#91
Benzo(g,h,i)perylene
Concen: 2.93 ng
RT: 22.11 min Scan# 3430
Delta R.T. 0.14 min
Lab File: BF095149.D
Acq: 16 May 2017 4:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	28.0
138	28.0	25.4	38.0

