

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095415.D
 Acq On : 25 May 2017 8:49
 Operator : SJ/MA
 Sample : I3300-02 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-T10-BASE

Manual Integrations
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Quant Time: May 25 13:32:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	67238	20.00	ng	-0.01
21) Naphthalene-d8	9.78	136	256245	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	109048	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	187932	20.00	ng	-0.01
75) Chrysene-d12	18.68	240	179297	20.00	ng	-0.01
86) Perylene-d12	20.36	264	120163	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.87	112	42916m	10.64	ng	0.13
7) Phenol-d6	7.45	99	50160m	10.37	ng	0.14
23) Nitrobenzene-d5	8.74	82	27823m	6.85	ng	0.07
41) 2,4,6-Tribromophenol	13.94	330	8068	9.03	ng	0.02
44) 2-Fluorobiphenyl	11.56	172	47804	6.31	ng	0.00
78) Terphenyl-d14	17.32	244	40586	4.99	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	12.39	152	26188	2.26	ng	97
70) Phenanthrene	15.05	178	75041	6.95	ng	99
71) Anthracene	15.15	178	27469m	2.49	ng	
74) Fluoranthene	16.79	202	89883	8.11	ng	97
77) Pyrene	17.09	202	195025	14.54	ng	99
80) Benzo(a)anthracene	18.67	228	46575	4.46	ng	94
82) Chrysene	18.72	228	51721	5.13	ng	93
85) Indeno(1,2,3-cd)pyrene	21.71	276	26840	3.28	ng	# 90
87) Benzo(b)fluoranthene	19.96	252	49446m	6.66	ng	
88) Benzo(k)fluoranthene	19.98	252	16641m	2.32	ng	
89) Benzo(a)pyrene	20.31	252	51508	7.52	ng	98
91) Benzo(a,h,i)perylene	22.10	276	39174	7.05	ng	95

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

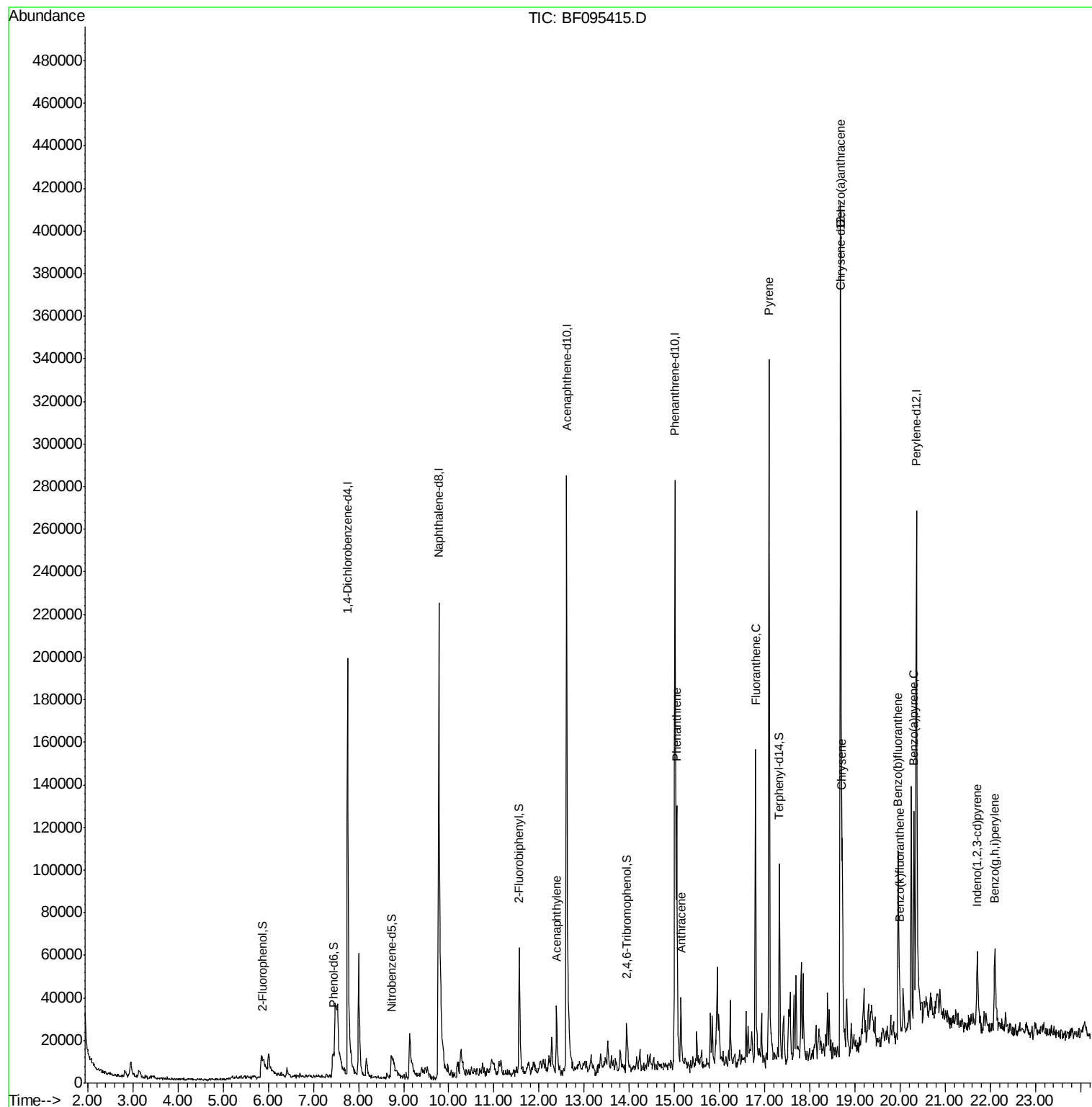
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095415.D
Acq On : 25 May 2017 8:49
Operator : SJ/MA
Sample : I3300-02 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

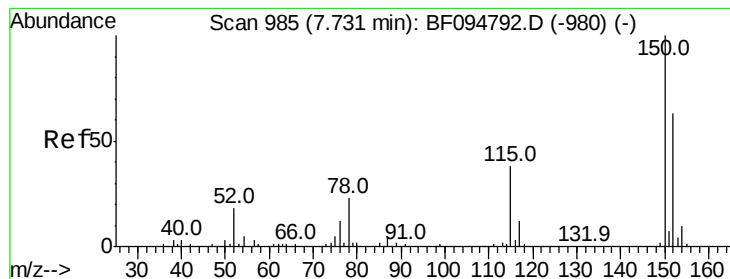
Instrument :
BNA_F
ClientSampleId :
E2-T10-BASE

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Quant Time: May 25 13:32:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.75 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF095415.D

Acq: 25 May 2017 8:49

Instrument :

BNA_F

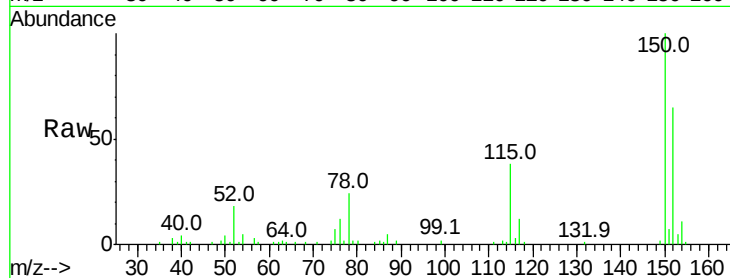
ClientSampleId :

E2-T10-BASE

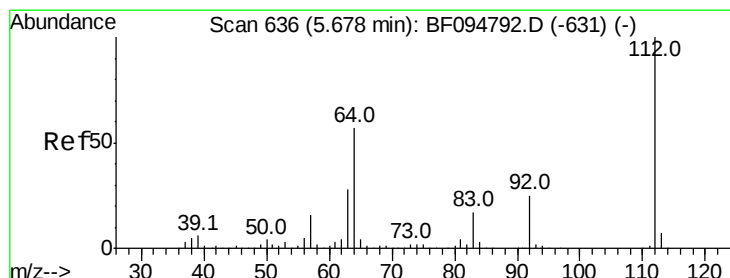
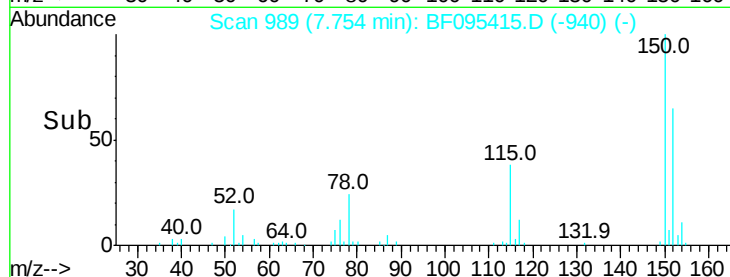
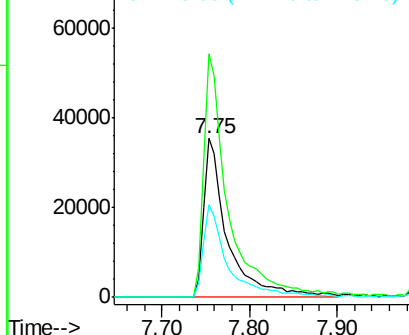
Tot Ion:	152	Resp:	67238
Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.2	189.2
115	58.4	52.2	78.2

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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: 10.64 ng m

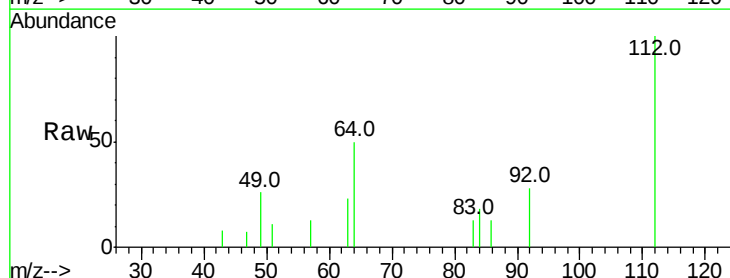
RT: 5.87 min Scan# 668

Delta R.T. 0.13 min

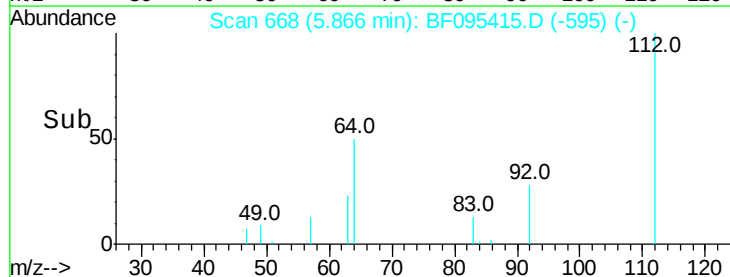
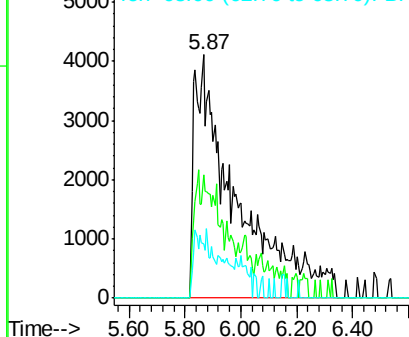
Lab File: BF095415.D

Acq: 25 May 2017 8:49

Tgt Ion:	112	Resp:	42916
Ion	Ratio	Lower	Upper
112	100		
64	50.4	46.0	69.0
63	22.5	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: 10.37 ng/mL

RT: 7.45 min Scan# 938

Delta R.T. 0.14 min

Lab File: BF095415.D

Acq: 25 May 2017 8:49

Instrument :

BNA_F

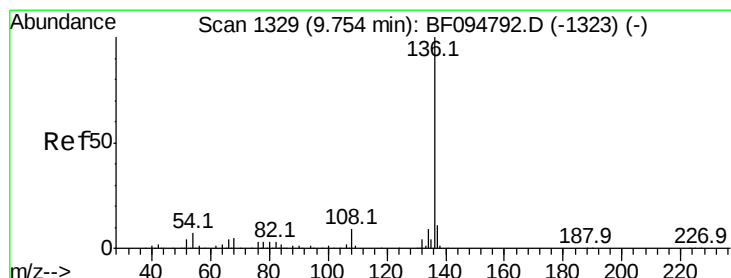
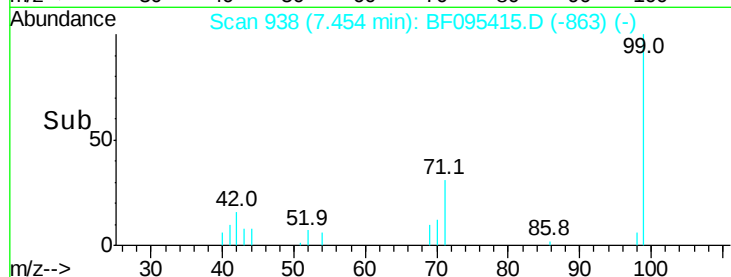
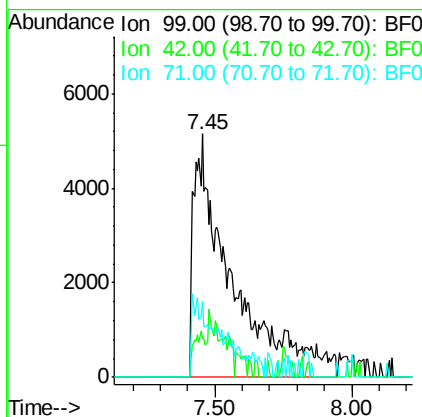
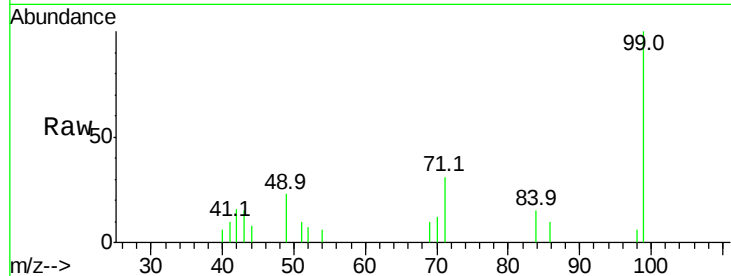
ClientSampleId :

E2-T10-BASE

Tot Ion:	99	Resp:	50160
Ion Ratio	Lower	Upper	
99	100		
42	16.0	13.5	20.3
71	31.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

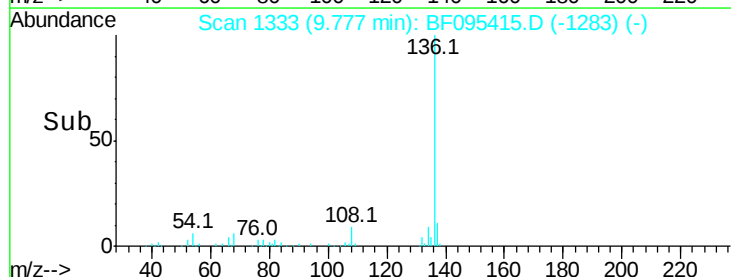
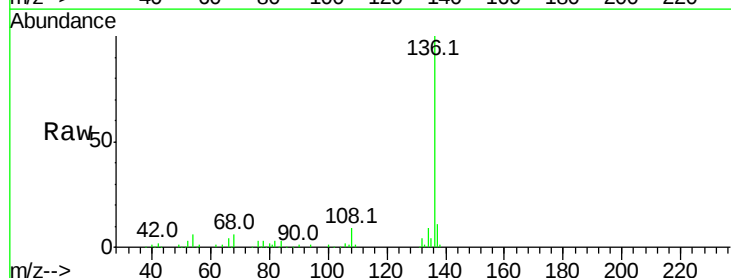
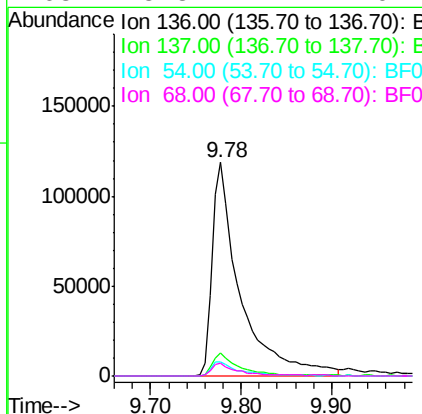
RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095415.D

Acq: 25 May 2017 8:49

Tgt Ion:	136	Resp:	256245
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	6.4	4.9	7.3
68	5.8	4.1	6.1





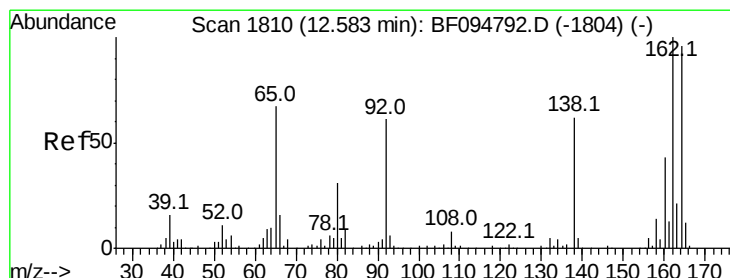
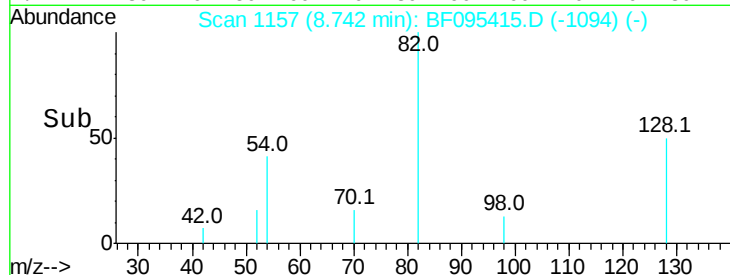
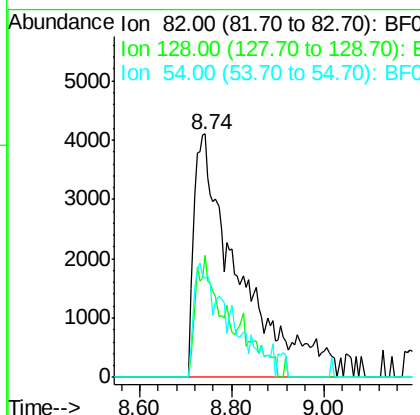
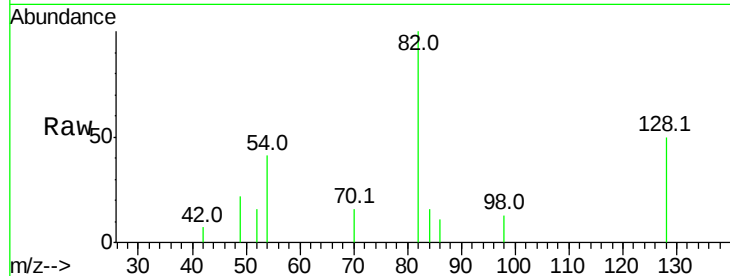
#23
 Nitrobenzene-d5
 Concen: 6.85 ng/ml
 RT: 8.74 min Scan# 1157
 Delta R.T. 0.07 min
 Lab File: BF095415.D
 Acq: 25 May 2017 8:49

Instrument :
 BNA_F
 ClientSampleId :
 E2-T10-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.9	34.0	51.0
54	40.9	42.2	63.2

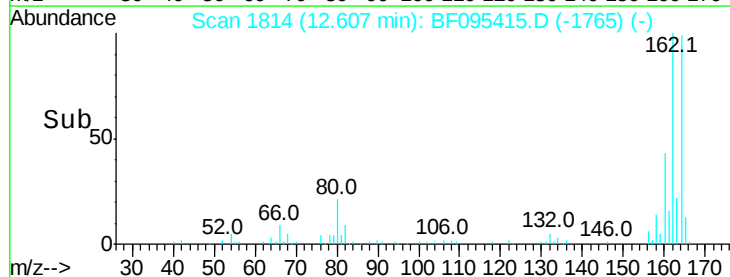
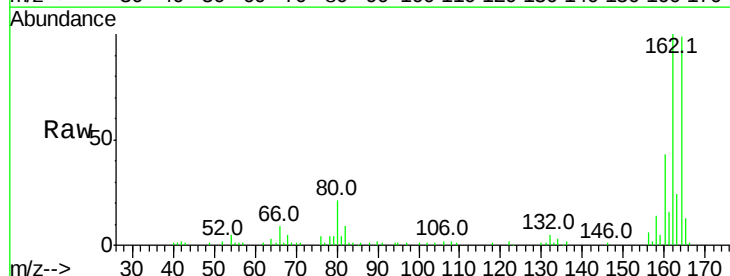
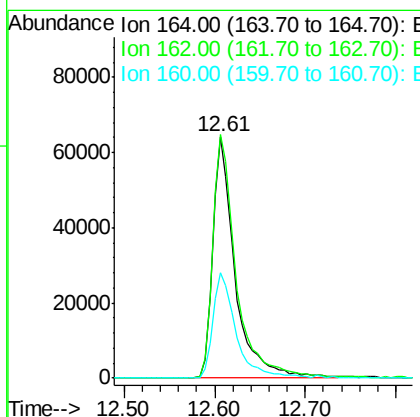
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF095415.D
 Acq: 25 May 2017 8:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.6	123.8
160	43.6	36.2	54.2





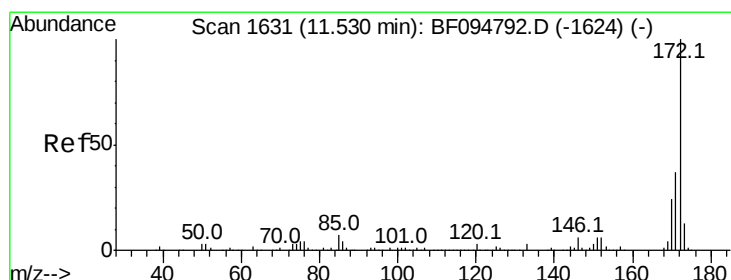
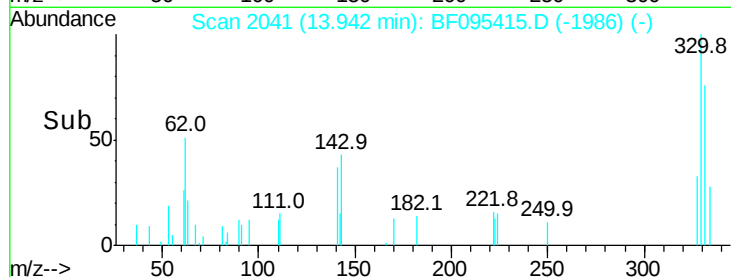
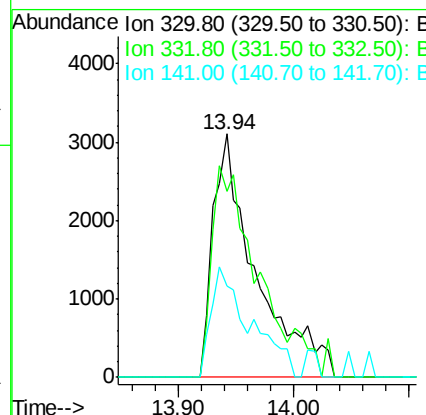
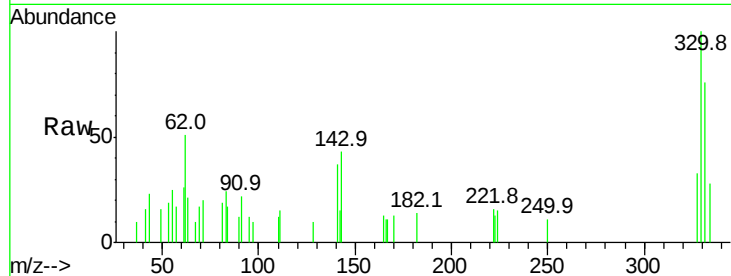
#41
 2,4,6-Tribromophenol
 Concen: 9.03 ng
 RT: 13.94 min Scan# 2041
 Delta R.T. 0.02 min
 Lab File: BF095415.D
 Acq: 25 May 2017 8:49

Instrument :
 BNA_F
 ClientSampleId :
 E2-T10-BASE

Tot Ion	Ratio	Lower	Upper
330	100		
332	85.0	76.6	115.0
141	41.4	31.4	47.2

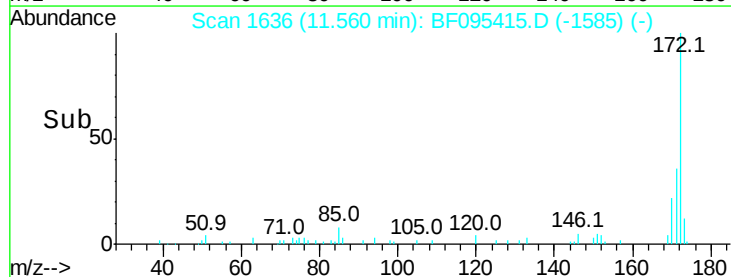
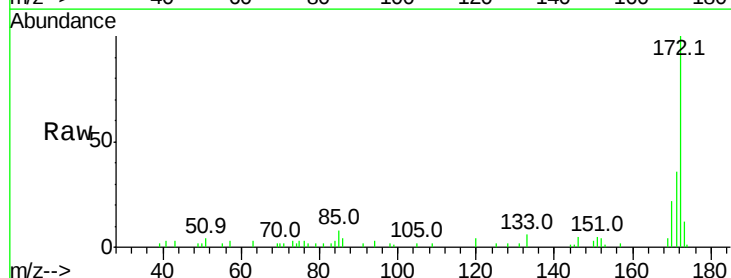
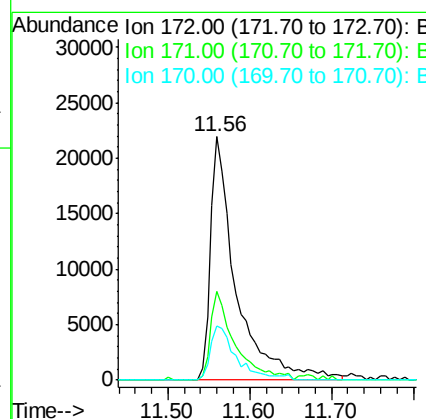
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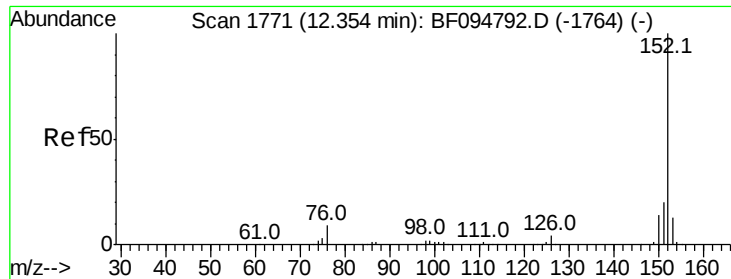
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#44
 2-Fluorobiphenyl
 Concen: 6.31 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: BF095415.D
 Acq: 25 May 2017 8:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	22.4	19.8	29.8





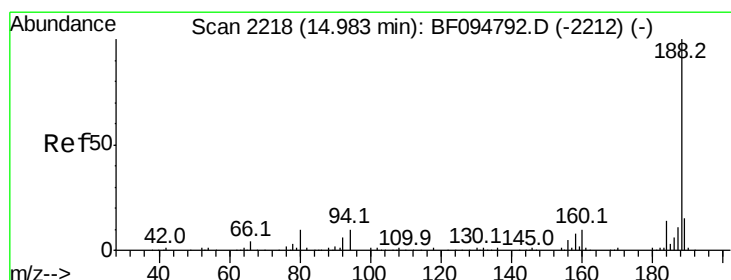
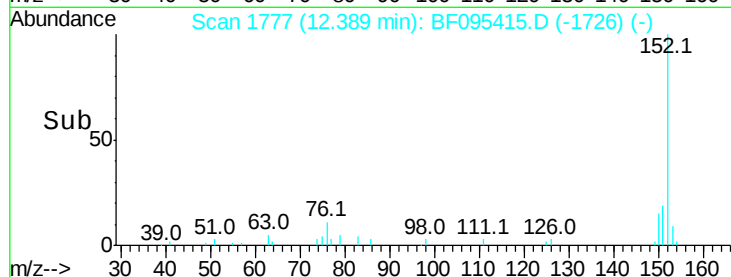
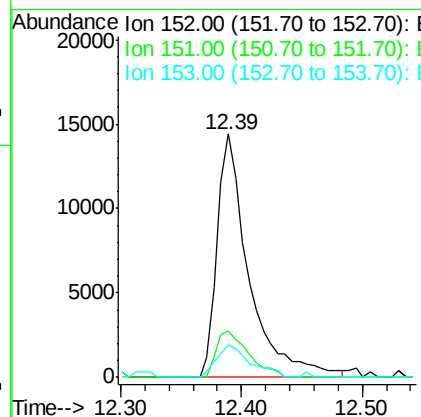
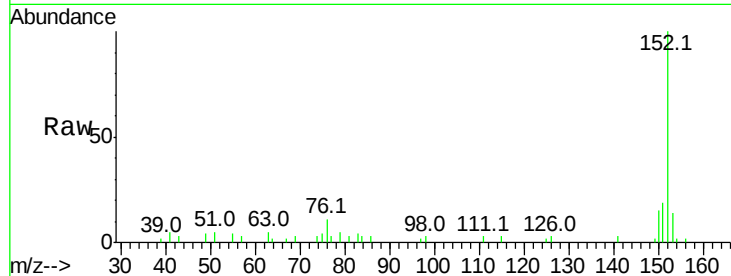
#48
Acenaphthylene
Concen: 2.26 ng
RT: 12.39 min Scan# 1777
Delta R.T. 0.00 min
Lab File: BF095415.D
Acq: 25 May 2017 8:49

Instrument :
BNA_F
ClientSampleId :
E2-T10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
152	100	26188		
151	18.8		16.8	25.2
153	13.5		10.8	16.2

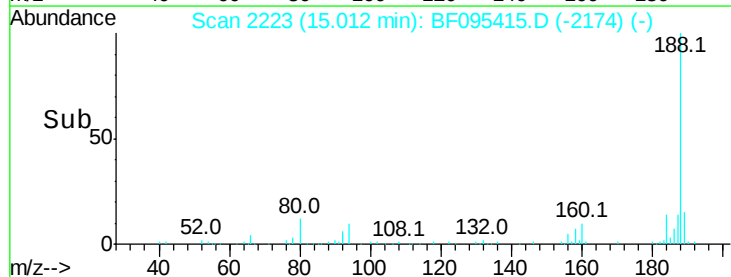
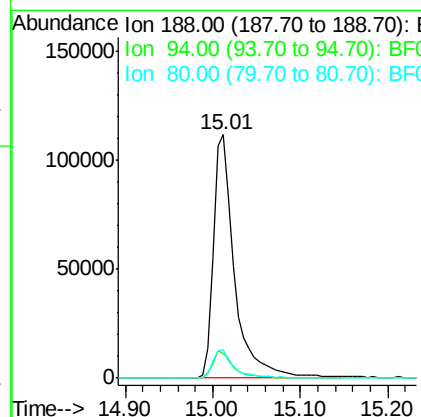
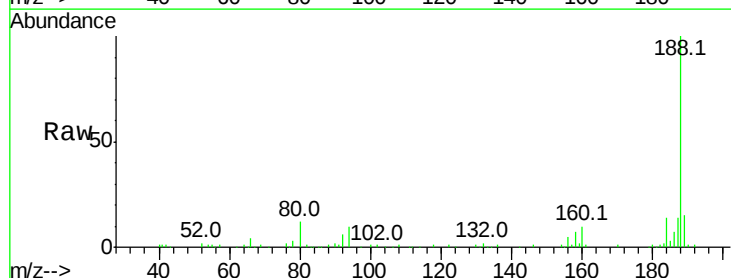
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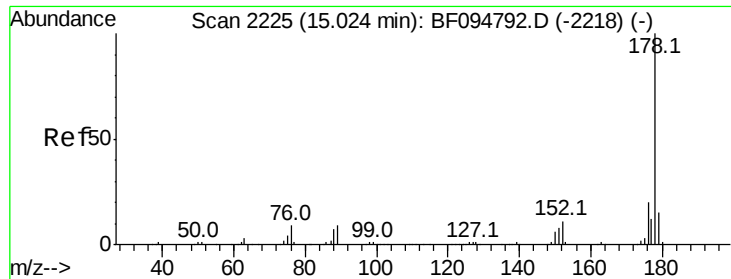
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF095415.D
Acq: 25 May 2017 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	187932		
94	10.4		9.4	14.2
80	11.7		10.2	15.2





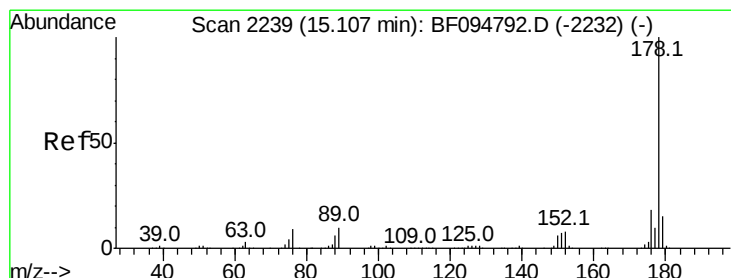
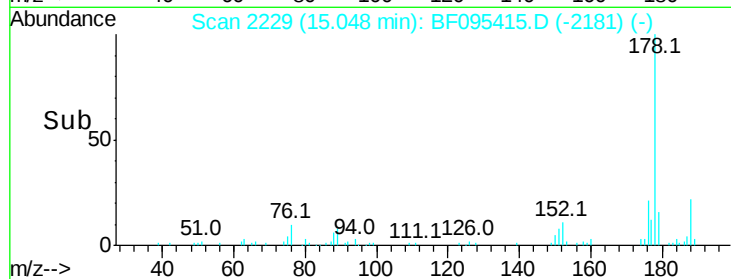
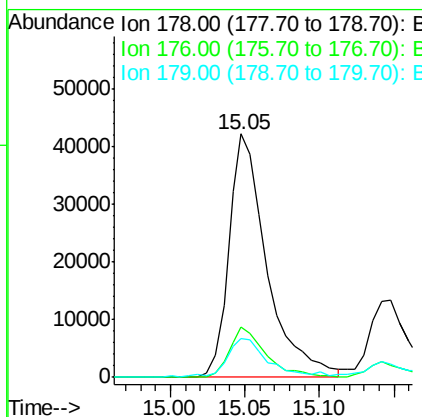
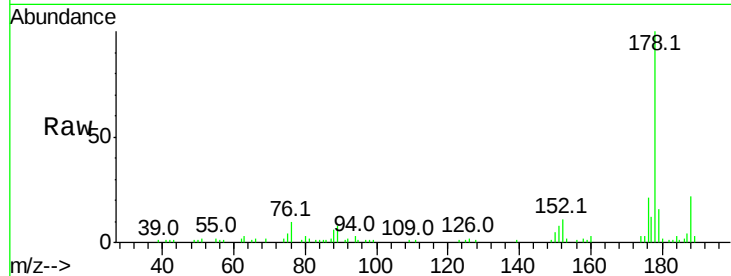
#70
Phenanthrene
Concen: 6.95 ng
RT: 15.05 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF095415.D
Acq: 25 May 2017 8:49

Instrument :
BNA_F
ClientSampleId :
E2-T10-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.2	24.4
179	16.2	12.6	19.0

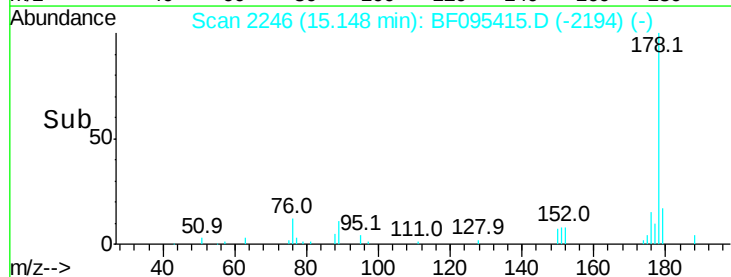
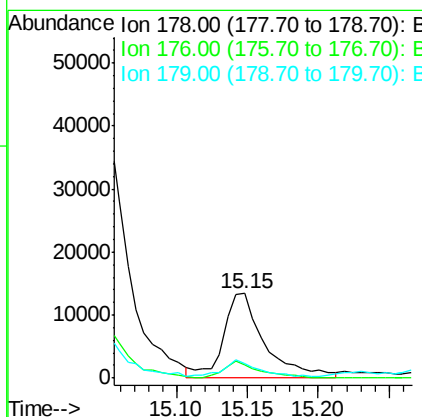
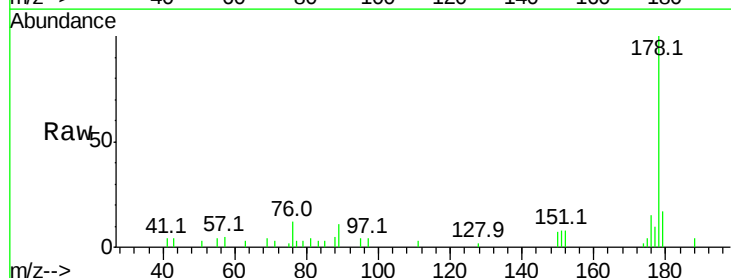
Manual Integrations
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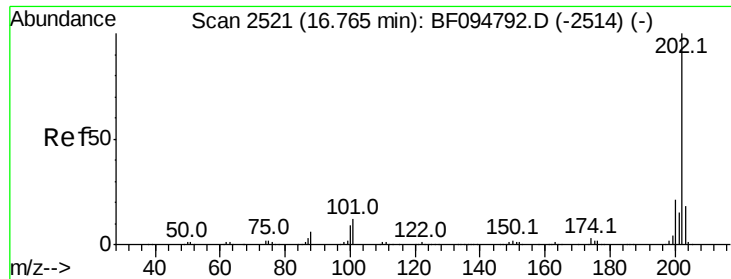
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#71
Anthracene
Concen: 2.49 ng m
RT: 15.15 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF095415.D
Acq: 25 May 2017 8:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	15.1	15.8	23.8#
179	17.0	12.7	19.1





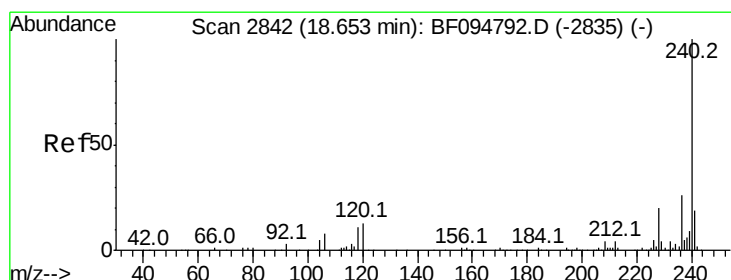
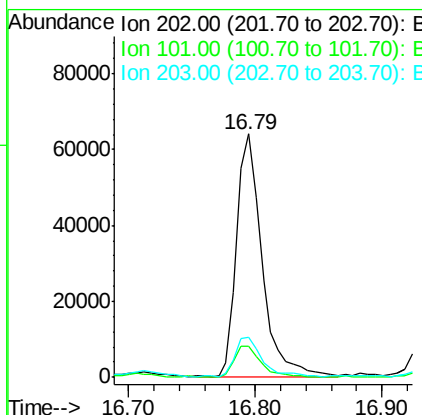
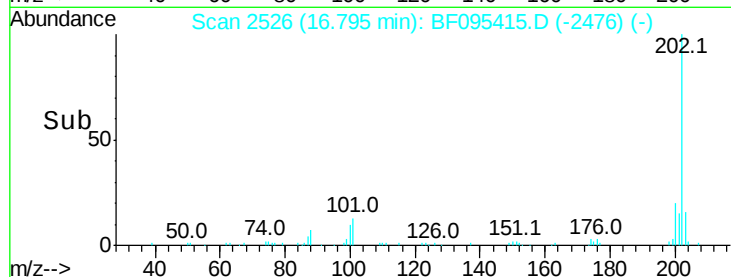
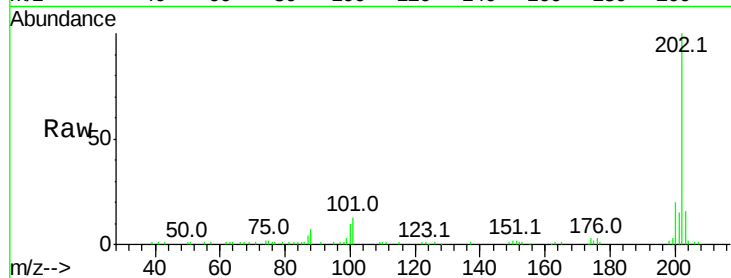
#74
 Fluoranthene
 Concen: 8.11 ng
 RT: 16.79 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095415.D
 Acq: 25 May 2017 8:49

Instrument :
 BNA_F
 ClientSampleId :
 E2-T10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
202	100	89883		
101	12.6	0.0	33.2	
203	16.4	0.0	38.1	

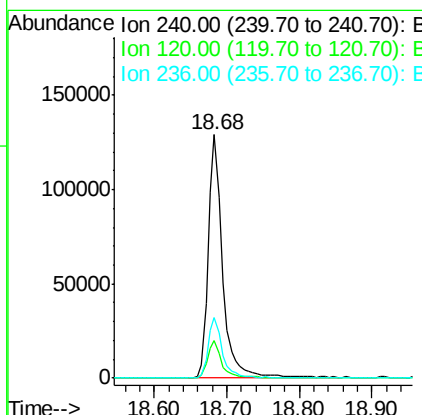
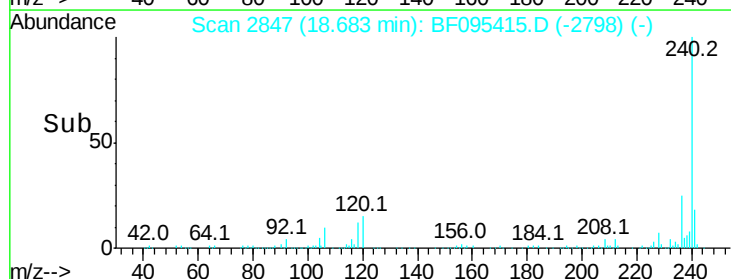
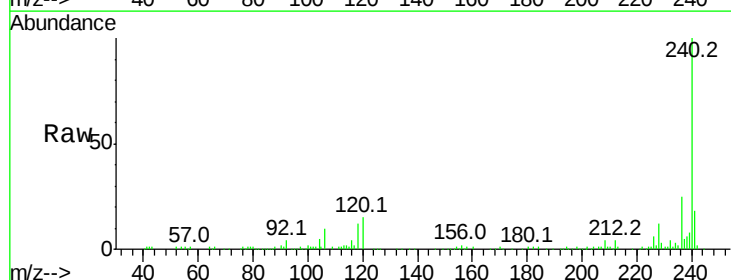
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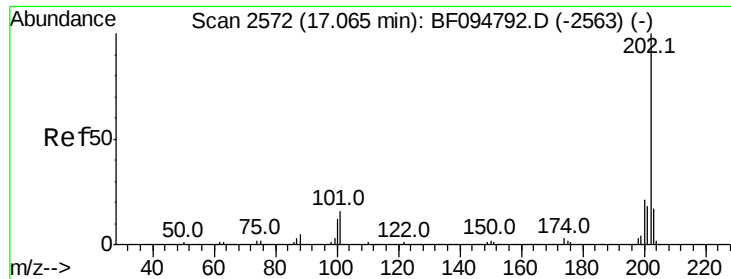
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095415.D
 Acq: 25 May 2017 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	179297		
120	15.3	5.8	8.8#	
236	24.7	20.5	30.7	





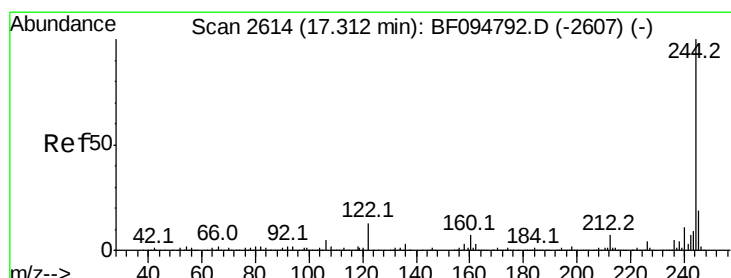
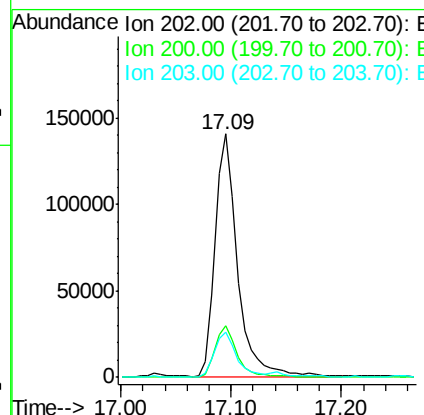
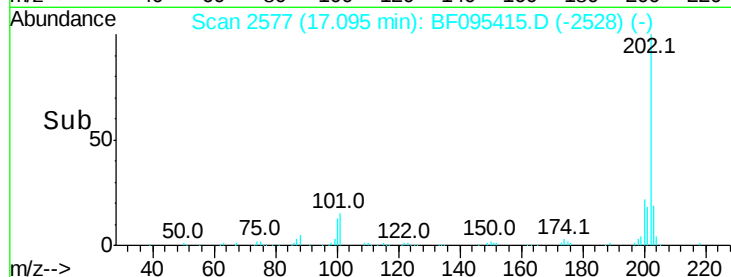
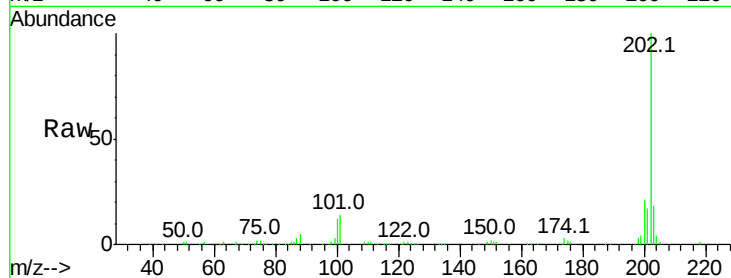
#77
Pvrene
Concen: 14.54 ng
RT: 17.09 min Scan# 2577
Delta R.T. -0.01 min
Lab File: BF095415.D
Acq: 25 May 2017 8:49

Instrument :
BNA_F
ClientSampleId :
E2-T10-BASE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.6	26.4
203	18.3	14.4	21.6

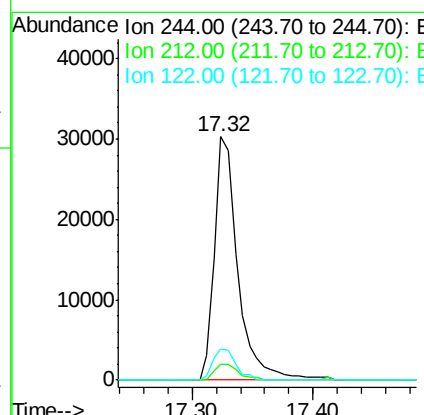
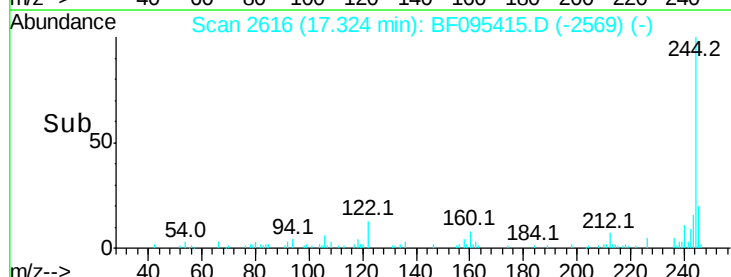
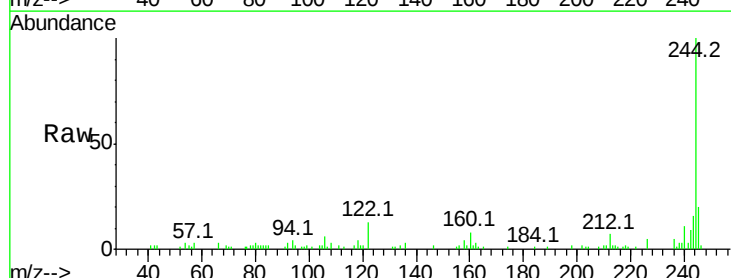
Manual Integrations
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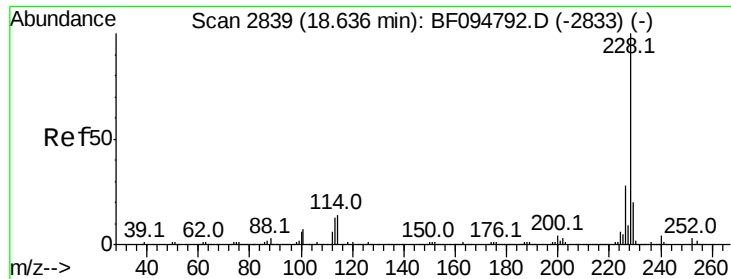
mohammad
5/25/2017 6:11:04 PM



#78
Terphenyl-d14
Concen: 4.99 ng
RT: 17.32 min Scan# 2616
Delta R.T. -0.02 min
Lab File: BF095415.D
Acq: 25 May 2017 8:49

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.0	10.3	15.5





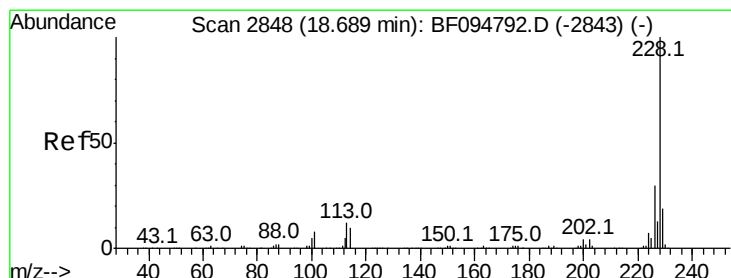
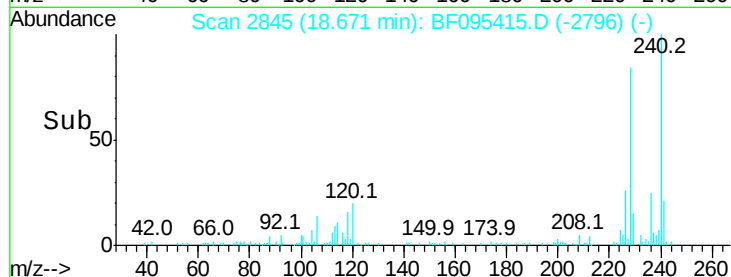
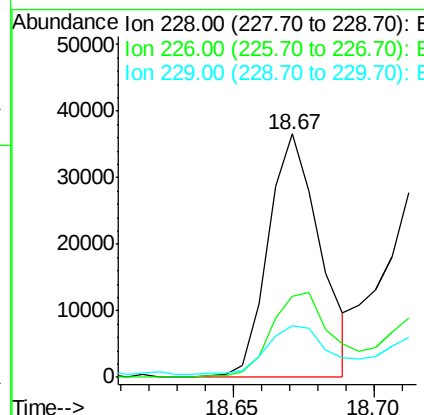
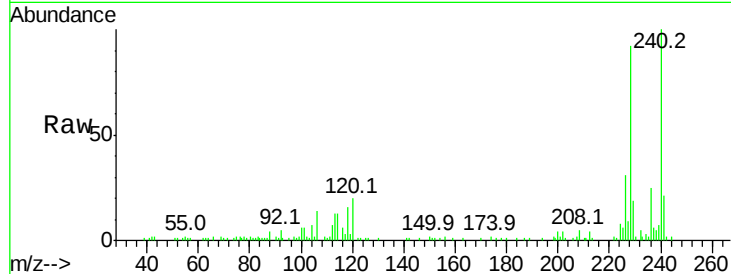
#80
Benzo(a)anthracene
Concen: 4.46 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BF095415.D
Acq: 25 May 2017 8:49

Instrument :
BNA_F
ClientSampleId :
E2-T10-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.6	33.8
229	21.0	16.3	24.5

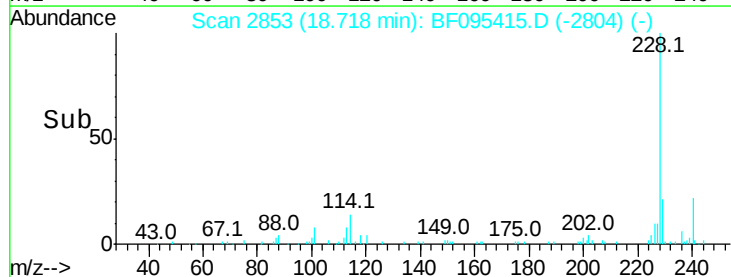
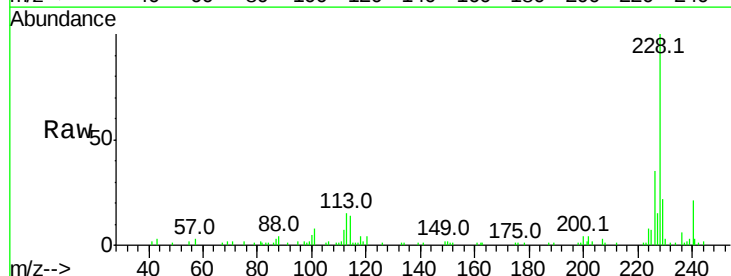
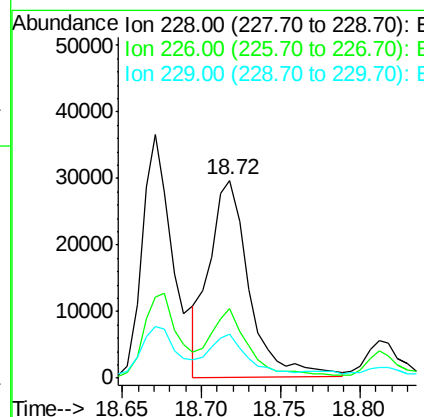
Manual Integrations
APPROVED

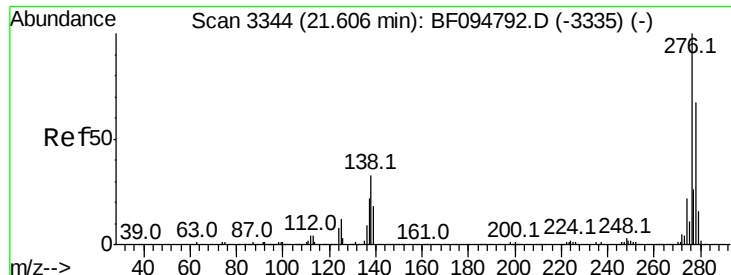
mohammad
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#82
Chrysene
Concen: 5.13 ng
RT: 18.72 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BF095415.D
Acq: 25 May 2017 8:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.4	24.9	37.3
229	21.9	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.28 ng

RT: 21.71 min Scan# 3362

Delta R.T. 0.01 min

Lab File: BF095415.D

Acq: 25 May 2017 8:49

Instrument :

BNA_F

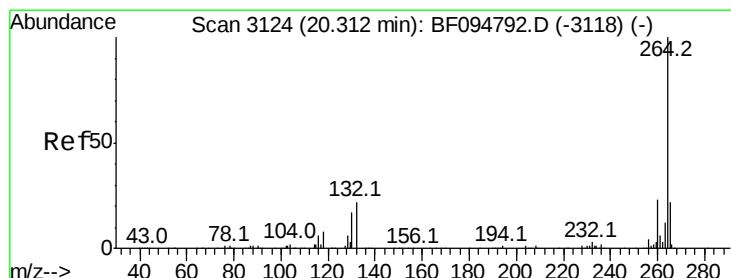
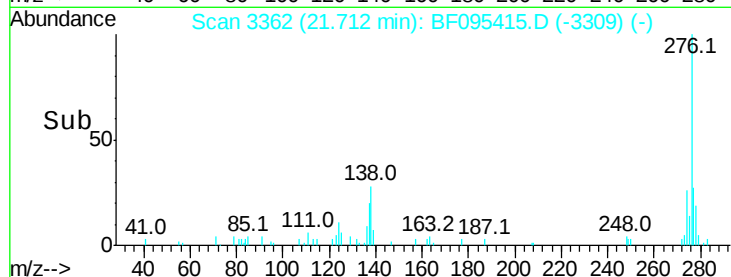
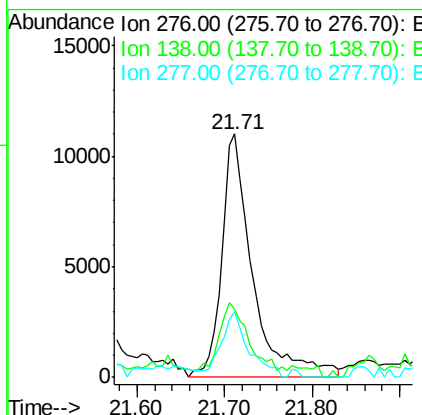
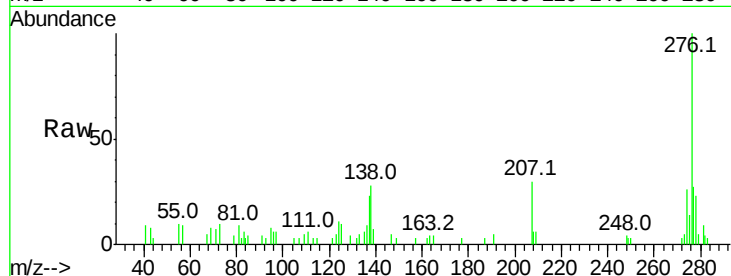
ClientSampleId :

E2-T10-BASE

Tot Ion:	276	Resp:	26840
Ion Ratio	Lower	Upper	
276	100		
138	26.1	27.8	41.6#
277	23.7	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

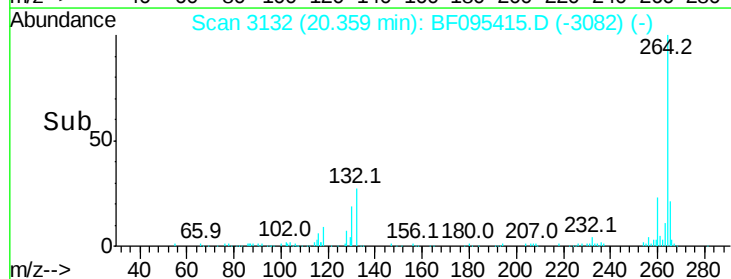
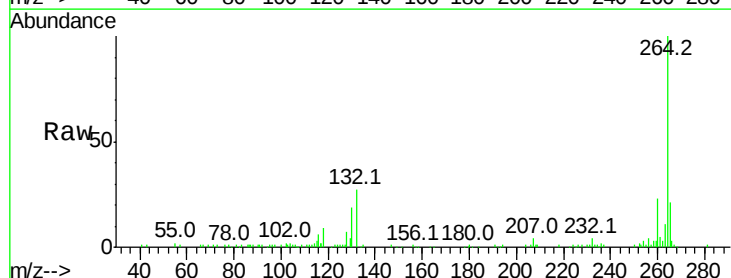
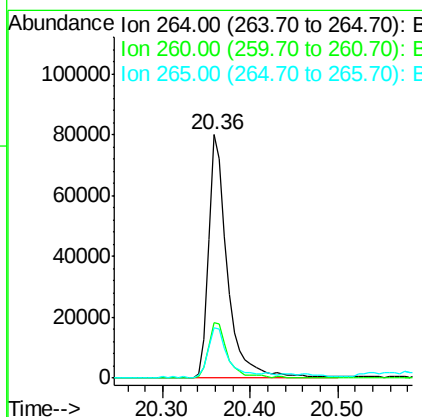
RT: 20.36 min Scan# 3132

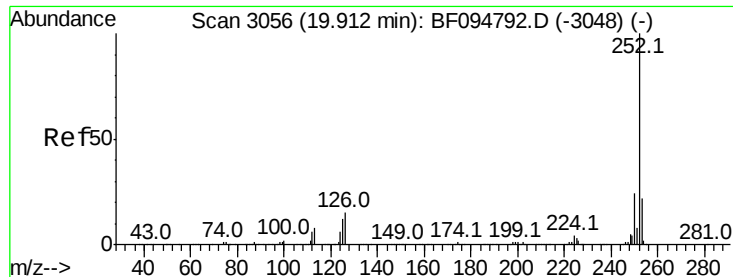
Delta R.T. -0.01 min

Lab File: BF095415.D

Acq: 25 May 2017 8:49

Tgt Ion:	264	Resp:	120163
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.5	29.3
265	20.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.66 ng m

RT: 19.96 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BF095415.D

Acq: 25 May 2017 8:49

Instrument :

BNA_F

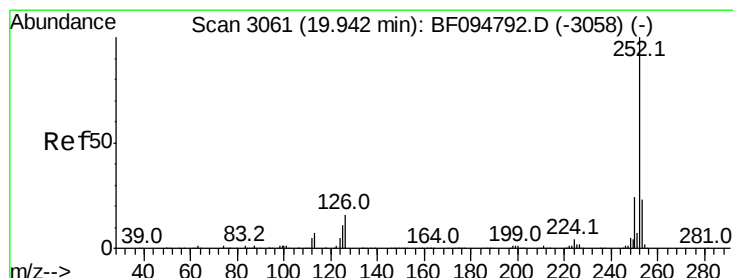
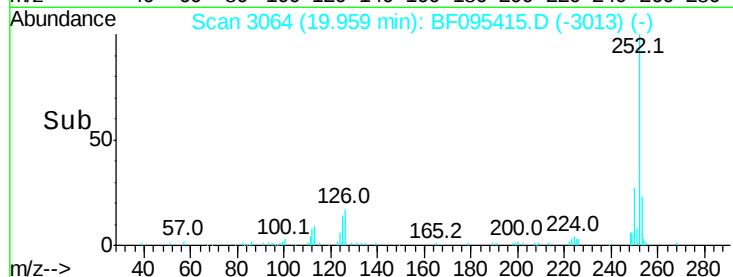
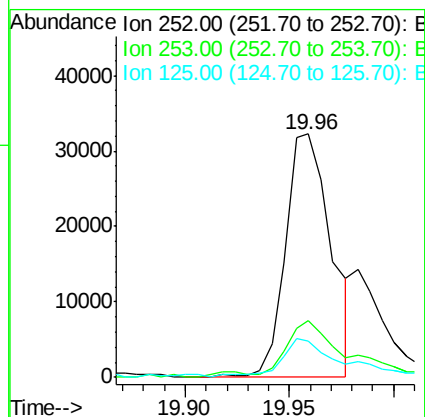
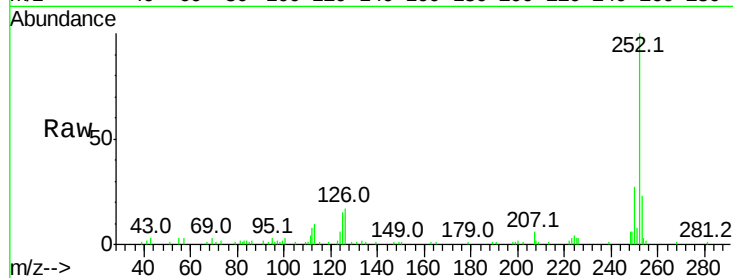
ClientSampleId :

E2-T10-BASE

Tot Ion:	252	Resp:	49446
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	15.1	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.32 ng m

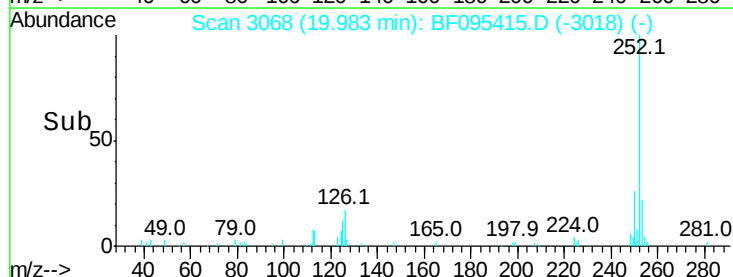
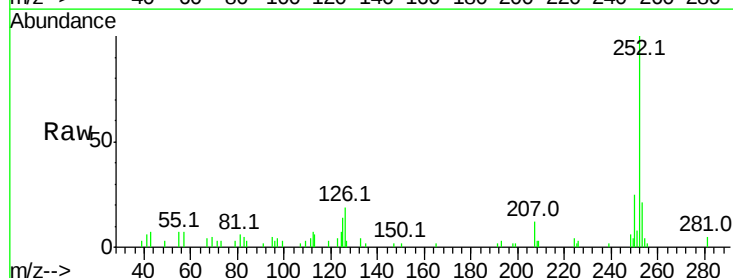
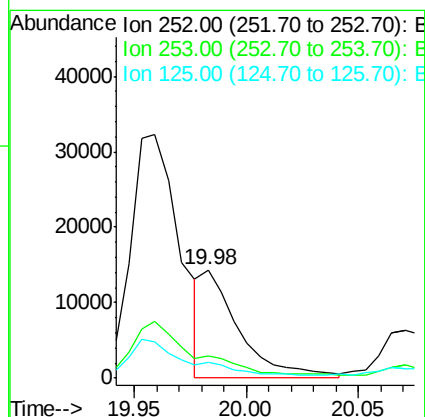
RT: 19.98 min Scan# 3068

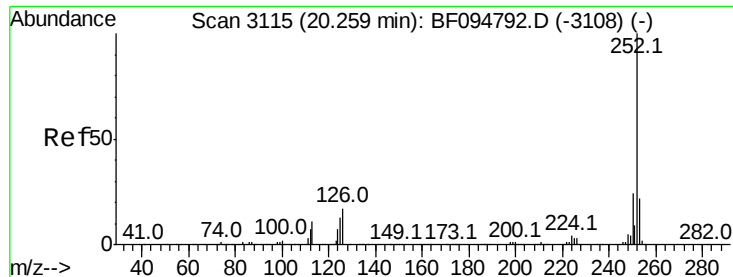
Delta R.T. -0.01 min

Lab File: BF095415.D

Acq: 25 May 2017 8:49

Tgt Ion:	252	Resp:	16641
Ion Ratio	Lower	Upper	
252	100		
253	21.0	18.4	27.6
125	14.5	13.1	19.7





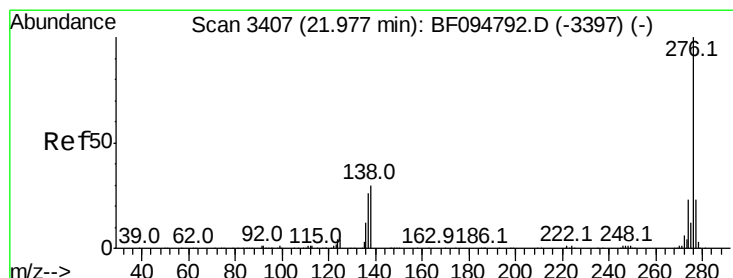
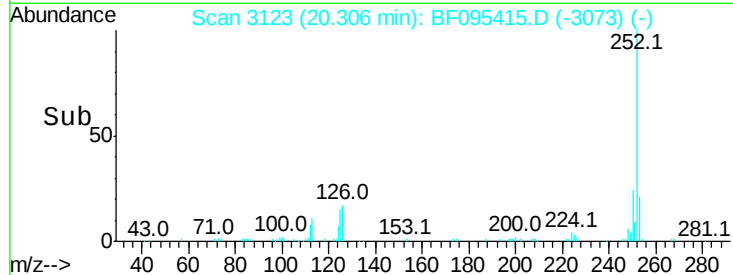
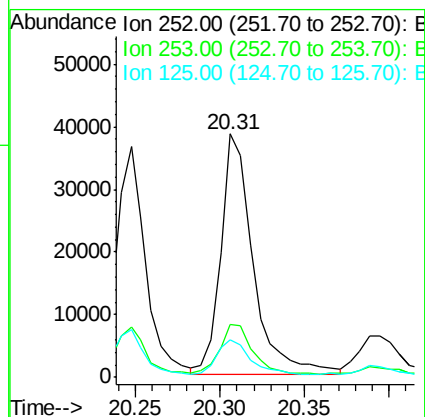
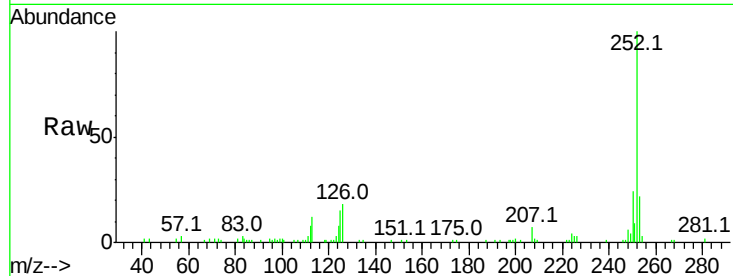
#89
Benzo(a)pyrene
Concen: 7.52 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095415.D
Acq: 25 May 2017 8:49

Instrument :
BNA_F
ClientSampleId :
E2-T10-BASE

Tot Ion:	252	Resp:	51508
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.5	26.3
125	15.4	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.05 ng
RT: 22.10 min Scan# 3428
Delta R.T. 0.02 min
Lab File: BF095415.D
Acq: 25 May 2017 8:49

Tgt Ion:	276	Resp:	39174
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.6	28.0
138	27.0	25.4	38.0

