

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051017\
 Data File : BF095074.D
 Acq On : 11 May 2017 00:54
 Operator : SJ/MA
 Sample : I2970-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-U10-BASE

Manual Integrations
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 5/11/2017 2:25:41 PM

Quant Time: May 11 08:20:48 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	7.70	152	100027	20.00	ng	-0.03
21) Naphthalene-d8	9.72	136	405404	20.00	ng	-0.03
38) Acenaphthene-d10	12.55	164	187652	20.00	ng	-0.03
63) Phenanthrene-d10	14.95	188	316430	20.00	ng	-0.03
75) Chrysene-d12	18.62	240	227154	20.00	ng	-0.03
86) Perylene-d12	20.29	264	219488	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	317774	52.97	ng	-0.02
7) Phenol-d6	7.25	99	389096	54.05	ng	-0.02
23) Nitrobenzene-d5	8.60	82	241721	37.60	ng	-0.04
41) 2,4,6-Tribromophenol	13.85	330	76846	50.00	ng	-0.03
44) 2-Fluorobiphenyl	11.50	172	502938	38.58	ng	-0.04
78) Terphenyl-d14	17.28	244	329316	31.93	ng	-0.04
Target Compounds						Qvalue
31) Naphthalene	9.76	128	54822	2.69	ng	97
37) 2-Methylnaphthalene	10.89	142	50999	3.81	ng	92
49) Dimethylphthalate	12.20	163	79135	5.14	ng	99
70) Phenanthrene	14.99	178	87291	4.80	ng	100
74) Fluoranthene	16.74	202	135705	7.28	ng	98
77) Pyrene	17.04	202	140578	8.27	ng	99
80) Benzo(a)anthracene	18.61	228	73552m	5.56	ng	
82) Chrysene	18.66	228	79794	6.24	ng	97
85) Indeno(1,2,3-cd)pyrene	21.59	276	55654	5.36	ng	98
87) Benzo(b)fluoranthene	19.89	252	123246m	9.09	ng	
88) Benzo(k)fluoranthene	19.92	252	35941m	2.75	ng	
89) Benzo(a)pyrene	20.24	252	74579	5.96	ng	97
91) Benzo(a,h,i)perylene	21.97	276	55578	5.48	ng	97

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

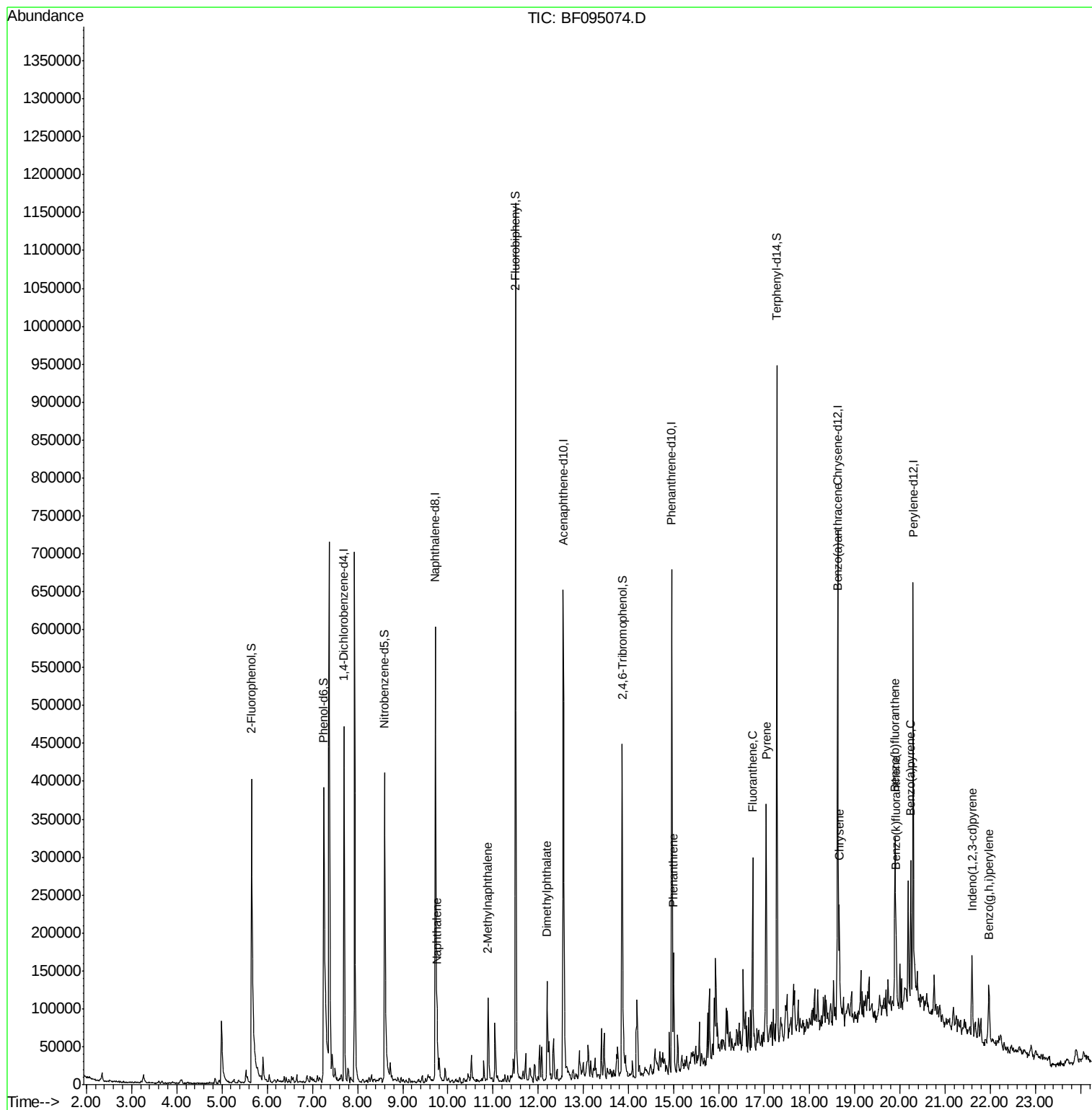
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051017\
Data File : BF095074.D
Acq On : 11 May 2017 00:54
Operator : SJ/MA
Sample : I2970-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

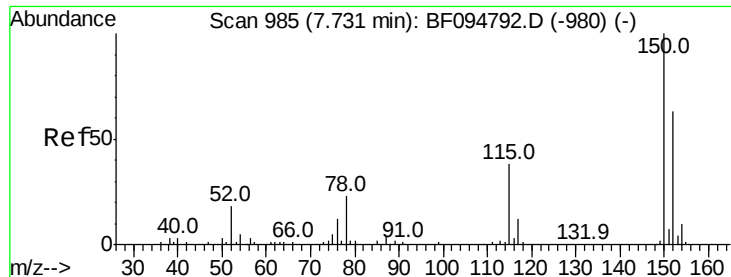
Instrument :
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ClientSampleId :
E2-U10-BASE

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
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#1

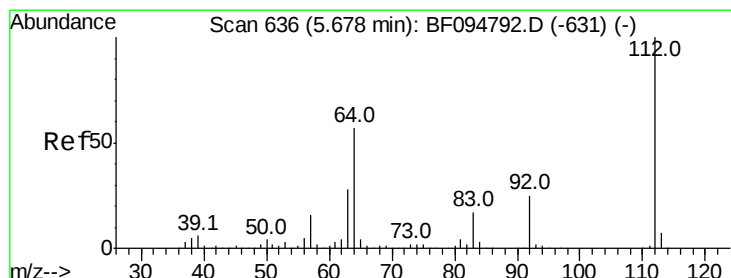
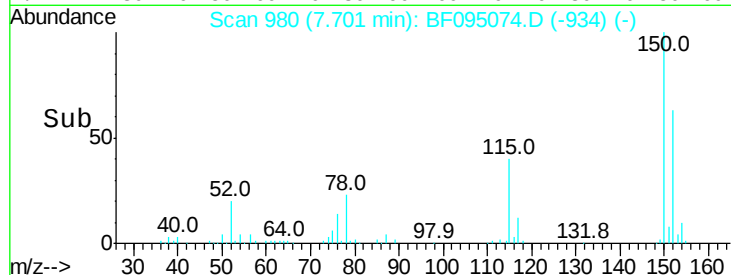
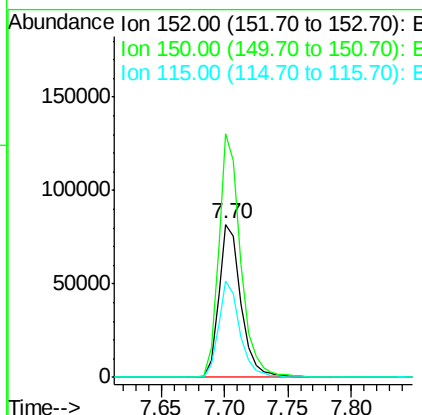
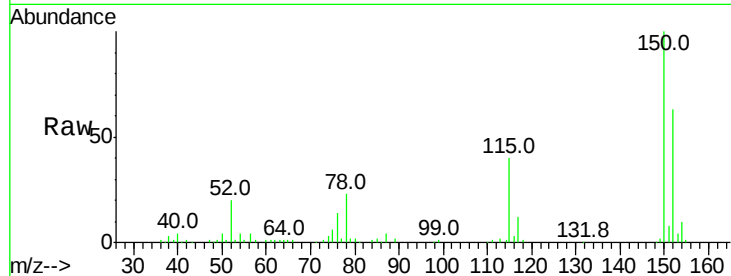
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.70 min Scan# 980
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	126.2	189.2
115	63.2	52.2	78.2

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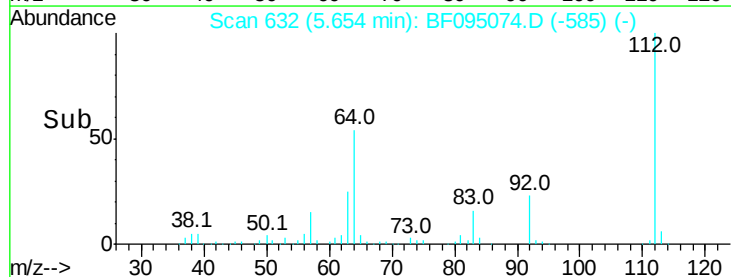
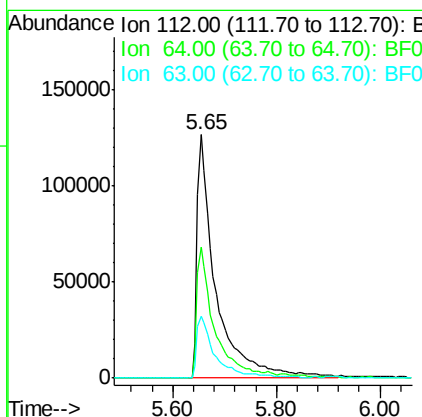
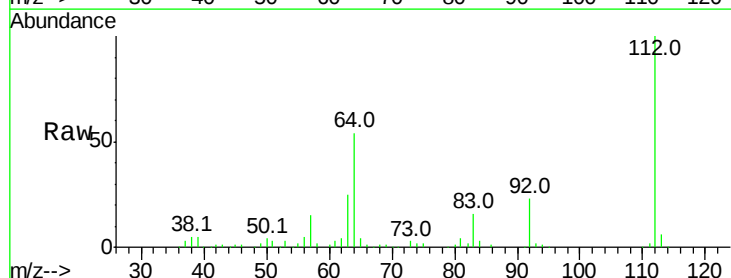
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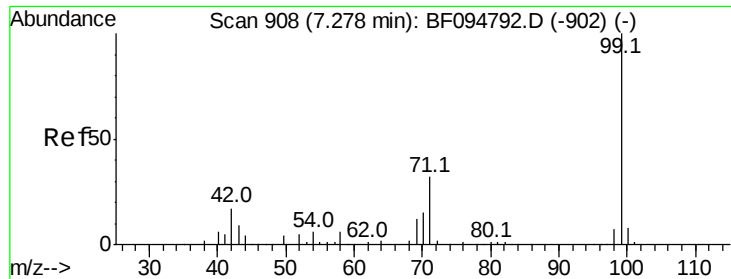


#5

2-Fluorophenol
Concen: 52.97 ng
RT: 5.65 min Scan# 632
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.0	69.0
63	25.4	23.4	35.0





#7

Phenol-d6

Concen: 54.05 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF095074.D

Acq: 11 May 2017 00:54

Instrument :

BNA_F

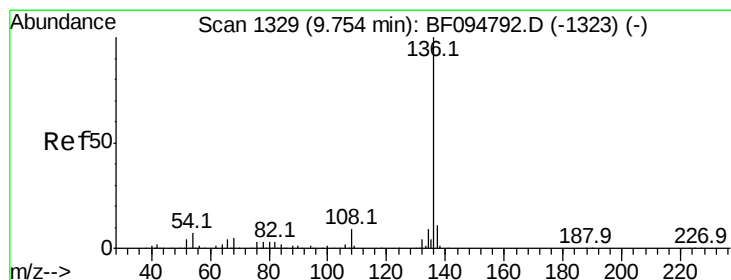
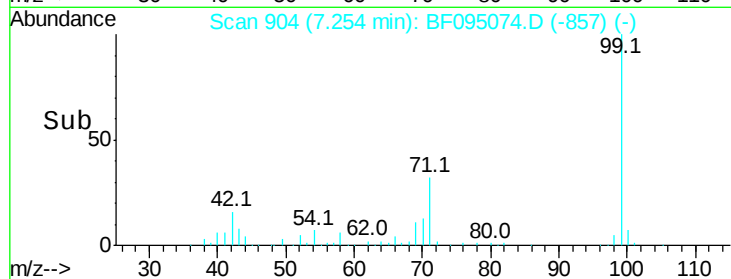
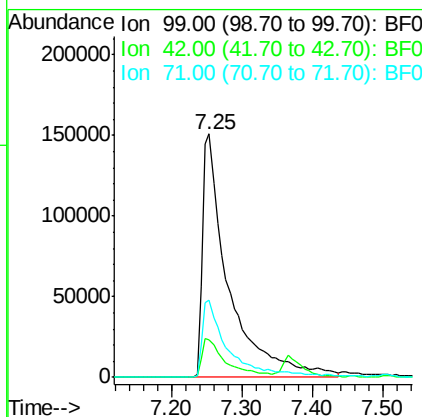
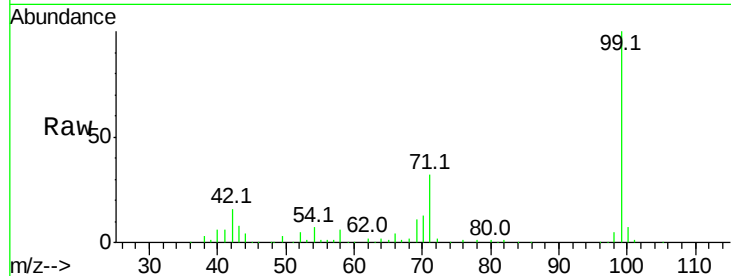
ClientSampleId :

E2-U10-BASE

Tot Ion:	99	Resp:	389096
Ion Ratio	Lower	Upper	
99	100		
42	15.7	13.5	20.3
71	31.8	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

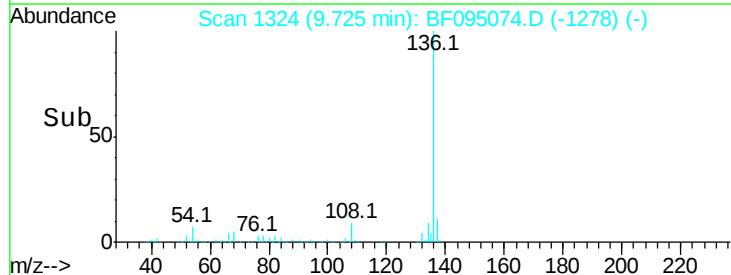
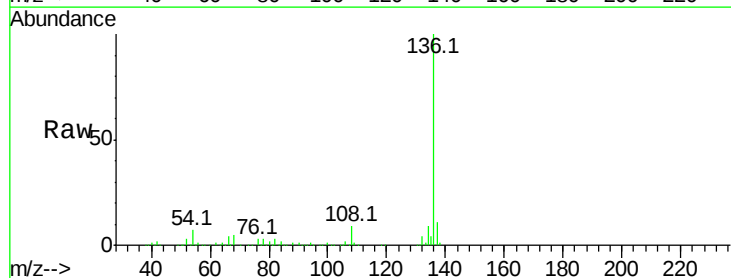
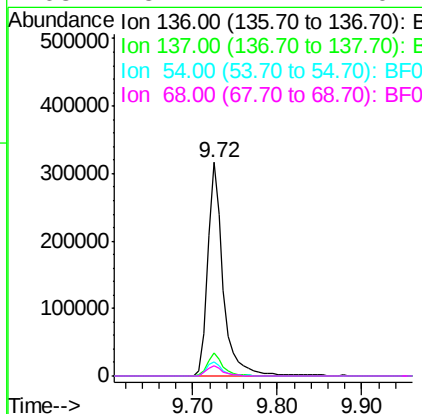
RT: 9.72 min Scan# 1324

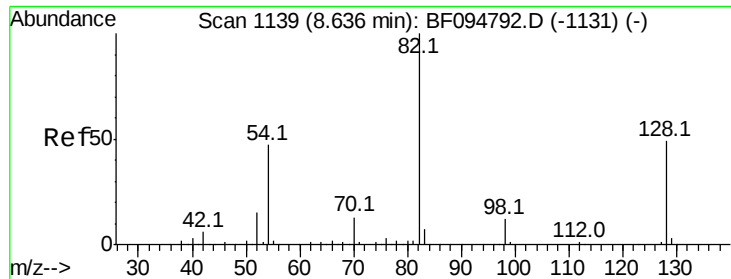
Delta R.T. -0.03 min

Lab File: BF095074.D

Acq: 11 May 2017 00:54

Tgt Ion:	136	Resp:	405404
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	6.8	4.9	7.3
68	5.1	4.1	6.1





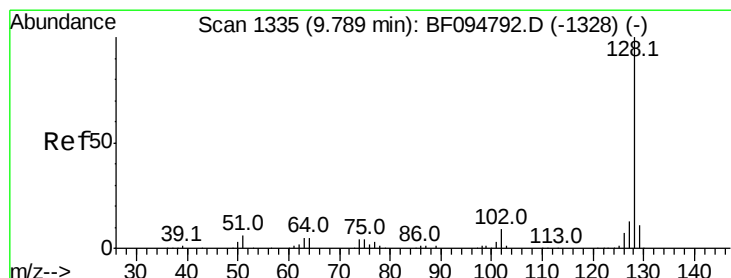
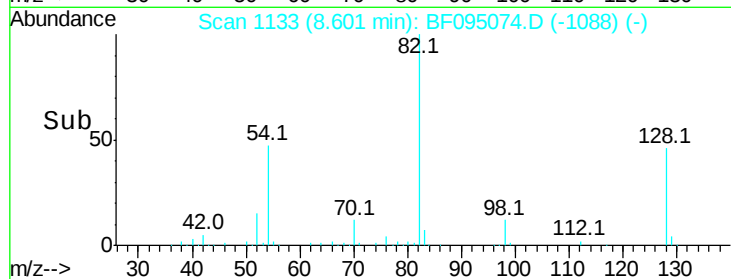
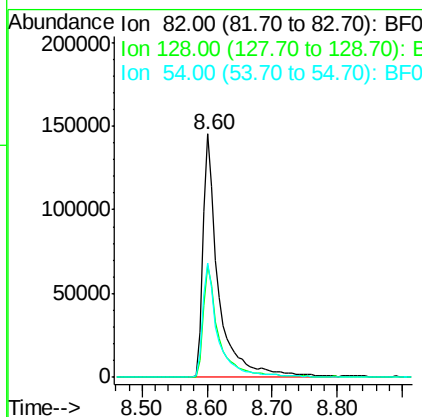
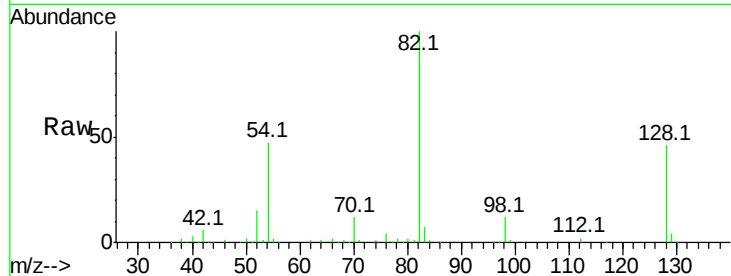
#23
Nitrobenzene-d5
Concen: 37.60 ng
RT: 8.60 min Scan# 1133
Delta R.T. -0.04 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.0	51.0
54	46.7	42.2	63.2

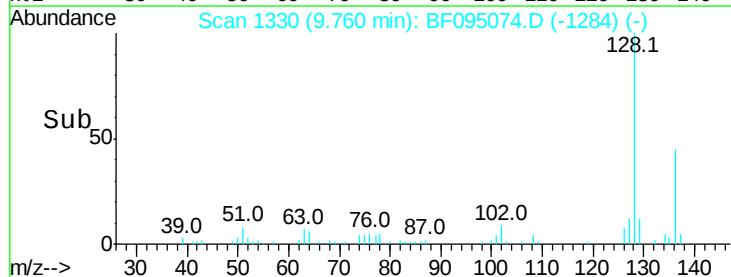
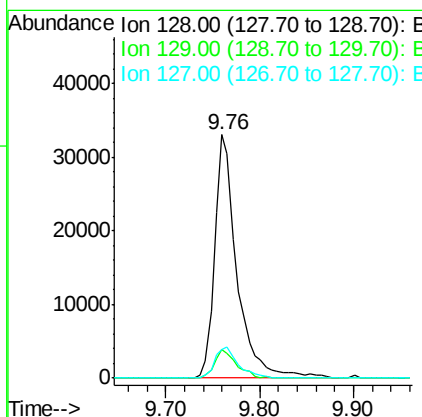
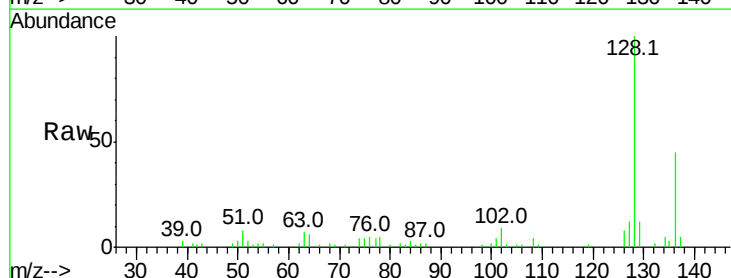
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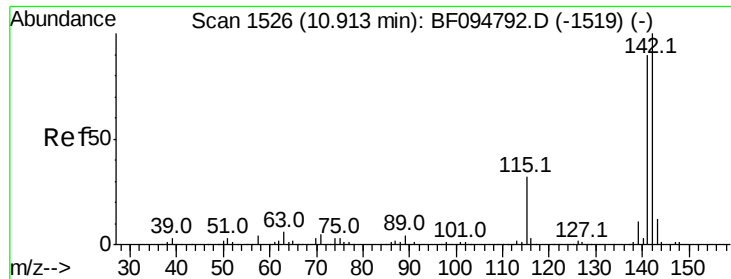
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#31
Naphthalene
Concen: 2.69 ng
RT: 9.76 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.0	13.6
127	11.7	10.8	16.2





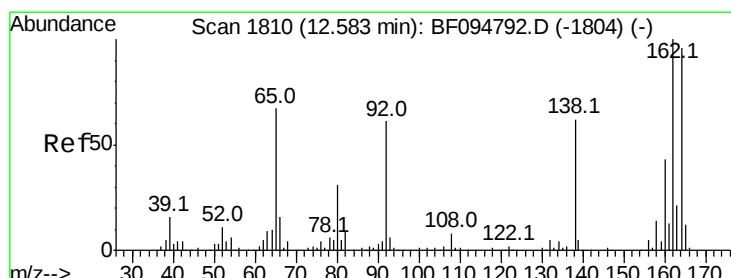
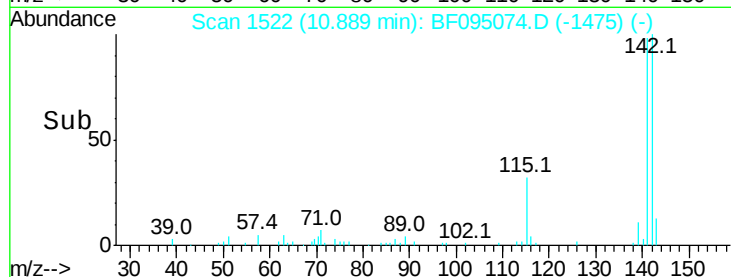
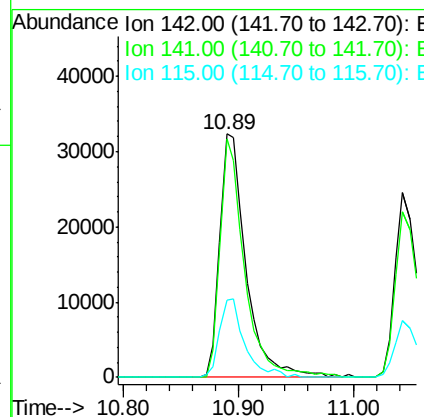
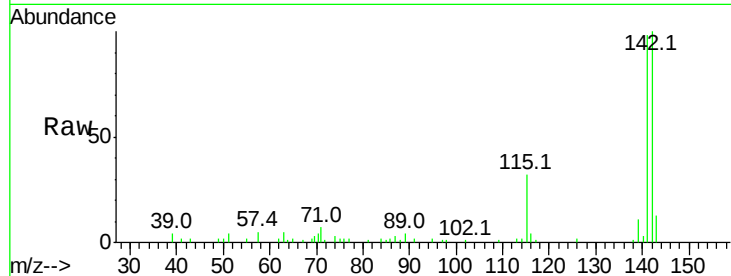
#37
2-Methylnaphthalene
Concen: 3.81 ng
RT: 10.89 min Scan# 1522
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

Tot Ion	Ratio	Lower	Upper
142	100		
141	98.0	71.3	106.9
115	31.9	27.1	40.7

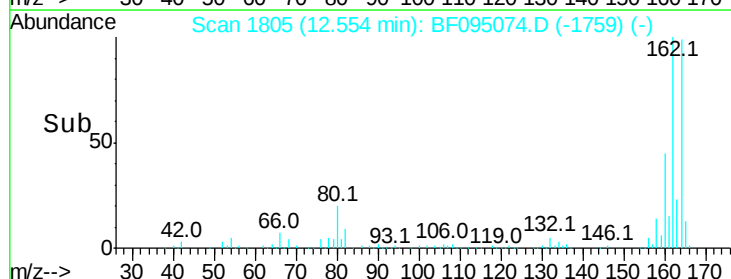
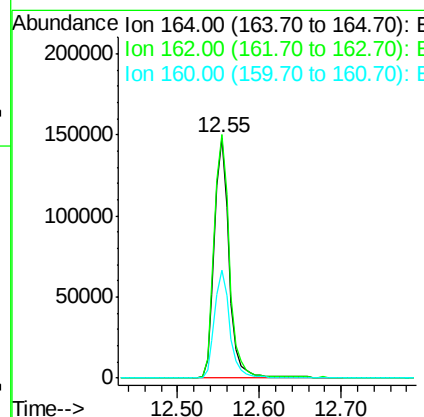
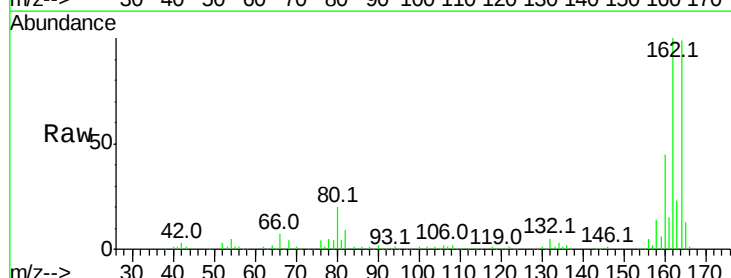
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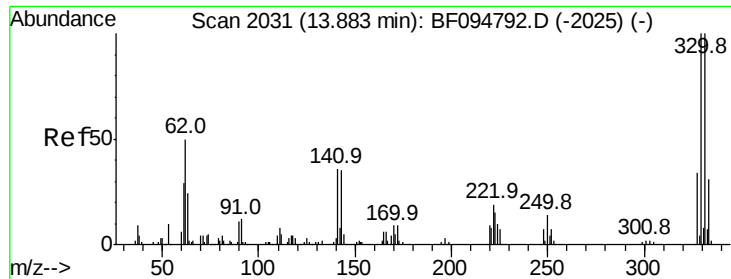
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.55 min Scan# 1805
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.6	123.8
160	45.2	36.2	54.2





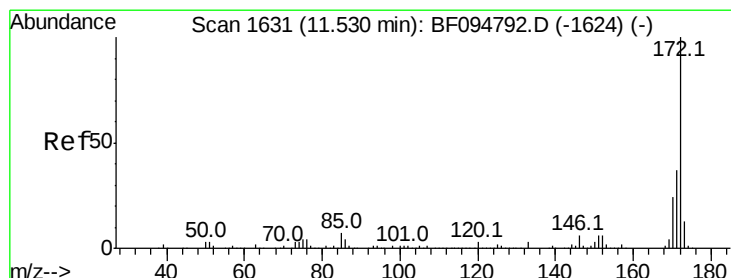
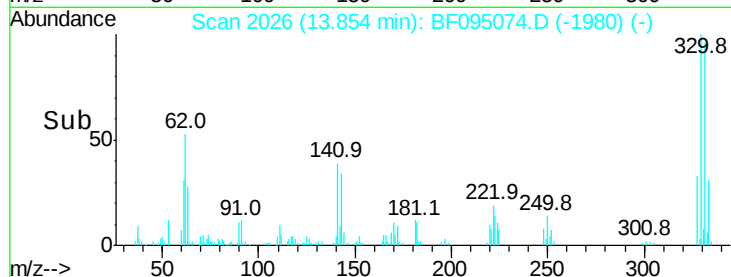
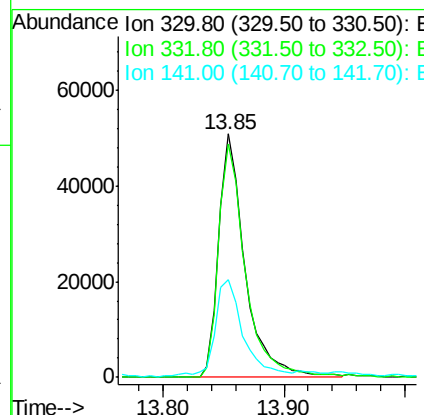
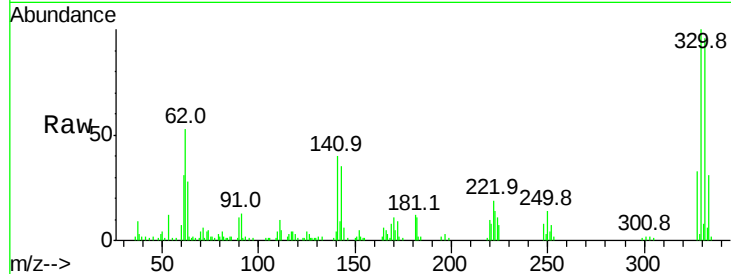
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 2,4,6-Tribromophenol
 Concen: 50.00 ng
 RT: 13.85 min Scan# 2026
 Delta R.T. -0.03 min
 Lab File: BF095074.D
 Acq: 11 May 2017 00:54

Instrument :
 BNA_F
 ClientSampleId :
 E2-U10-BASE

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.6	115.0
141	43.9	31.4	47.2

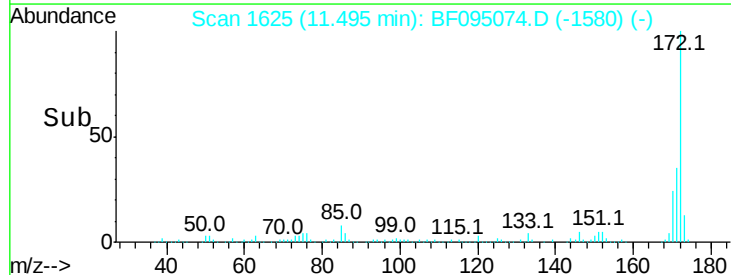
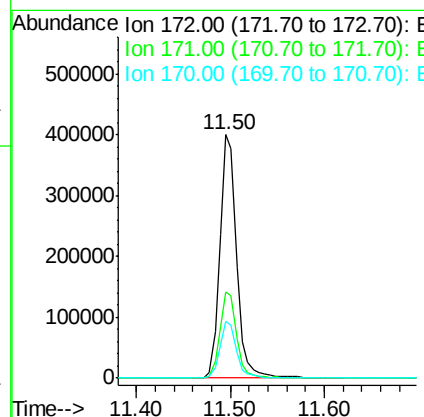
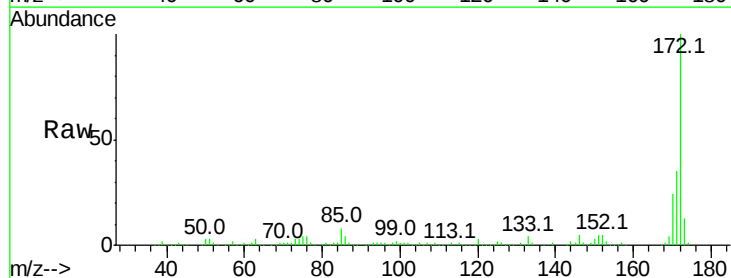
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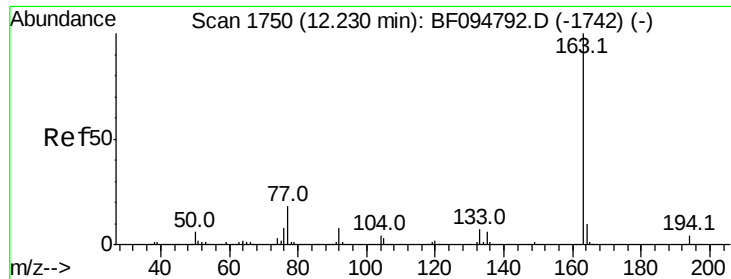
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#44
 2-Fluorobiphenyl
 Concen: 38.58 ng
 RT: 11.50 min Scan# 1625
 Delta R.T. -0.04 min
 Lab File: BF095074.D
 Acq: 11 May 2017 00:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.5	19.8	29.8





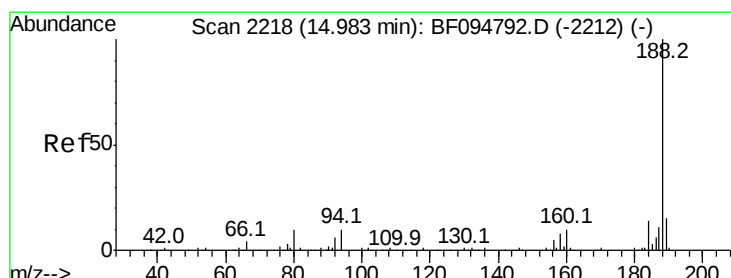
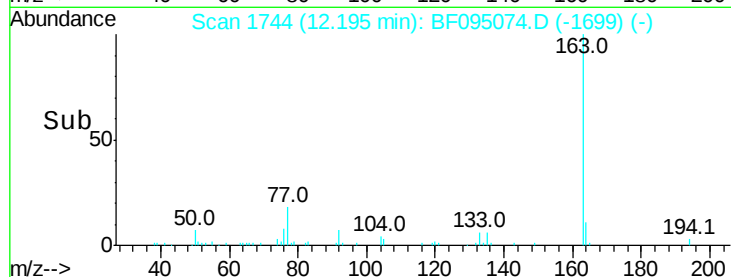
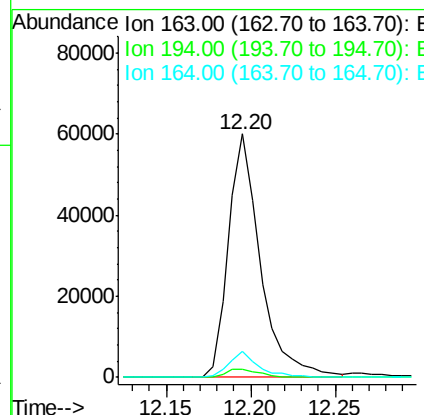
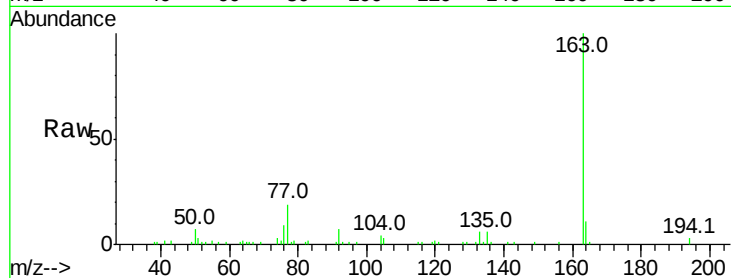
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Dimethylphthalate
Concen: 5.14 ng
RT: 12.20 min Scan# 1744
Delta R.T. -0.04 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.9	8.4	12.6

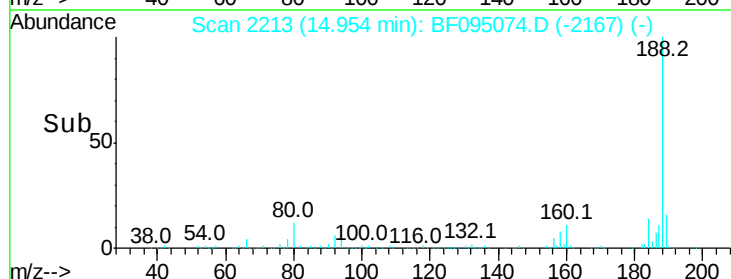
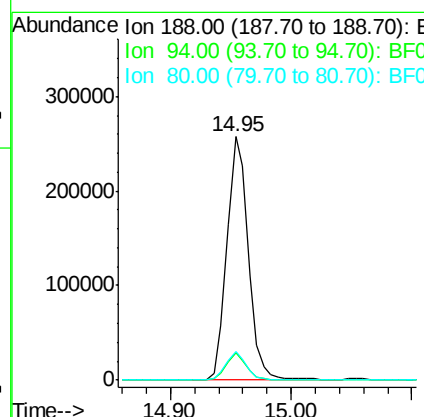
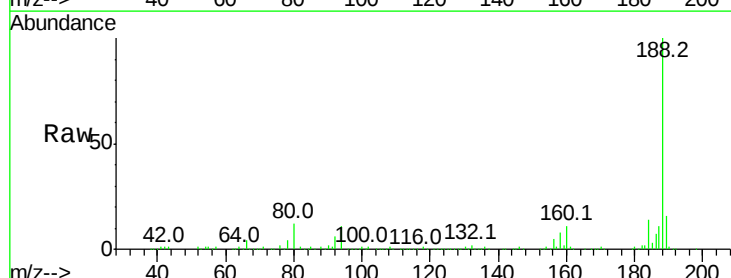
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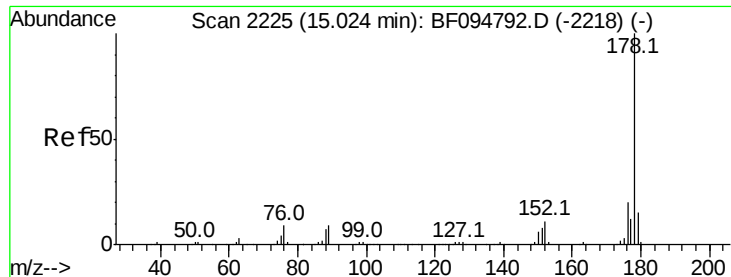
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.95 min Scan# 2213
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	11.8	10.2	15.2





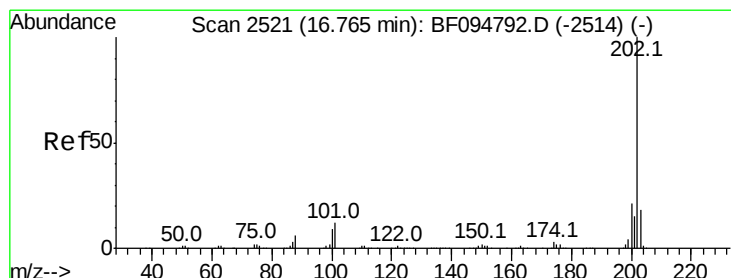
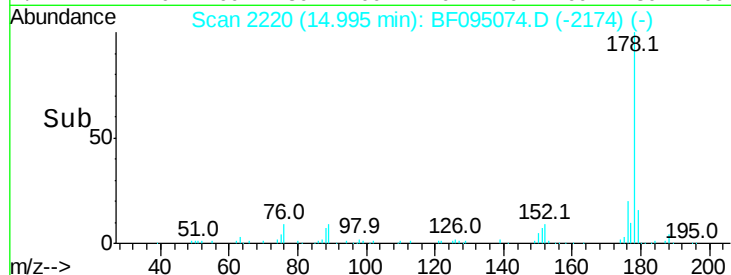
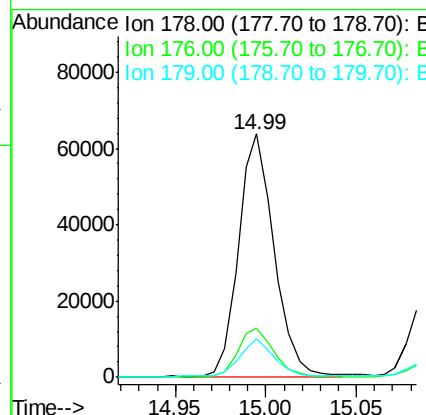
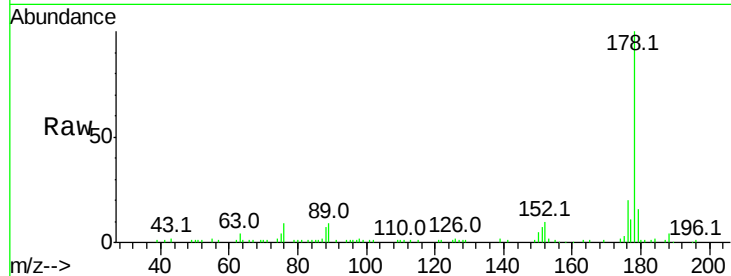
#70
Phenanthrene
Concen: 4.80 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	16.0	12.6	19.0

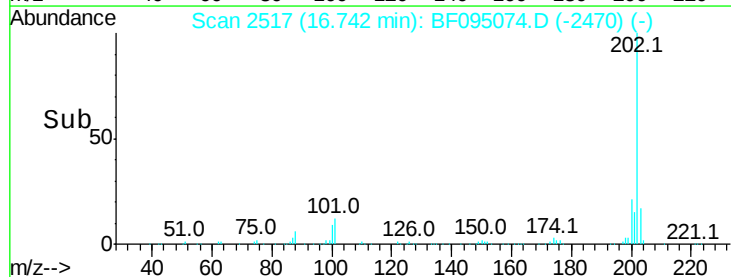
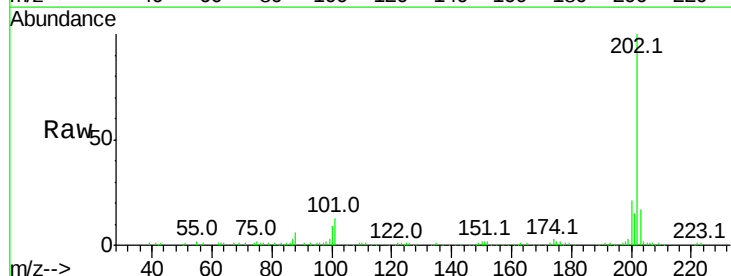
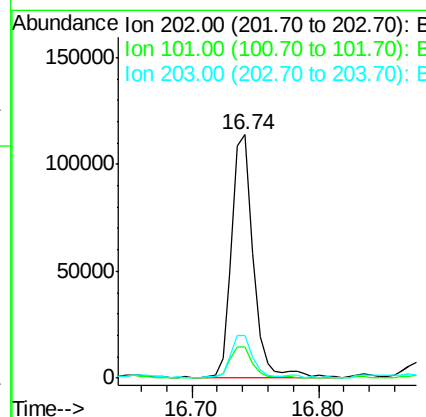
Manual Integrations
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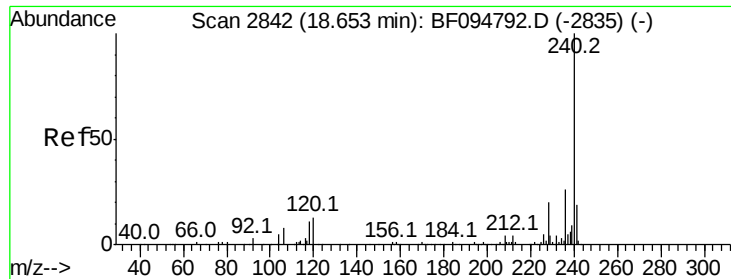
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#74
Fluoranthene
Concen: 7.28 ng
RT: 16.74 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.62 min Scan# 2837

Delta R.T. -0.03 min

Lab File: BF095074.D

Acq: 11 May 2017 00:54

Instrument :

BNA_F

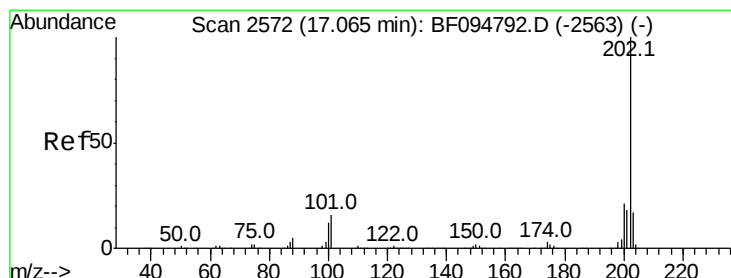
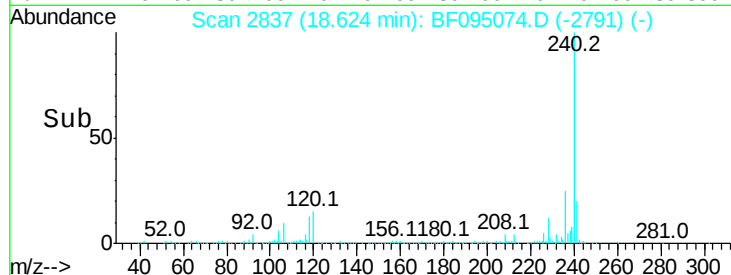
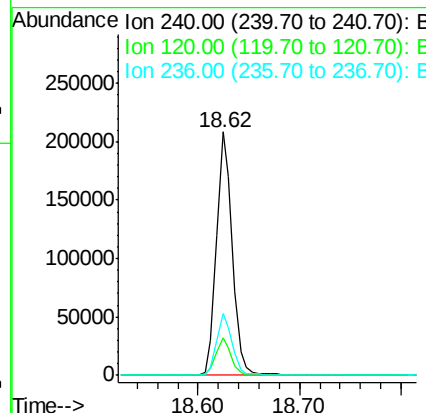
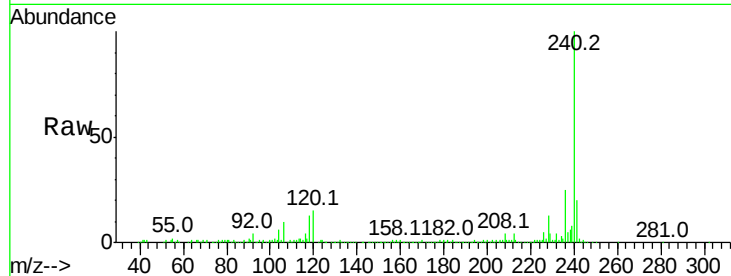
ClientSampled :

E2-U10-BASE

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.2	5.8	8.8#
236	25.5	20.5	30.7

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#77

Pyrene

Concen: 8.27 ng

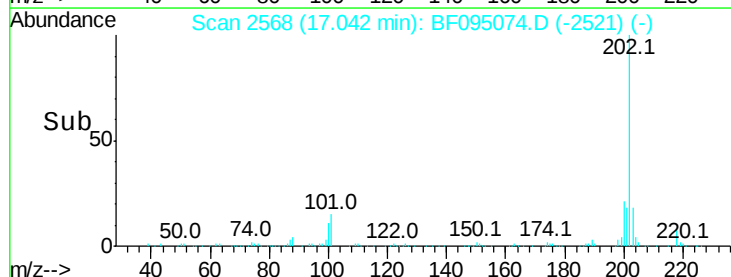
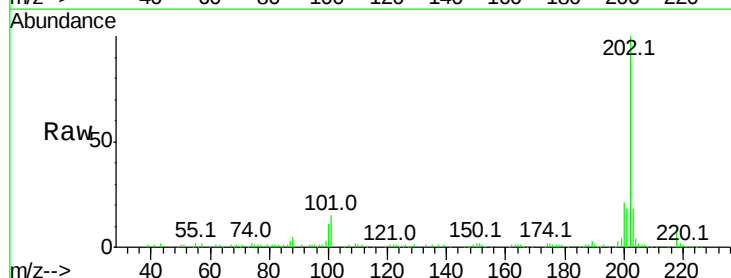
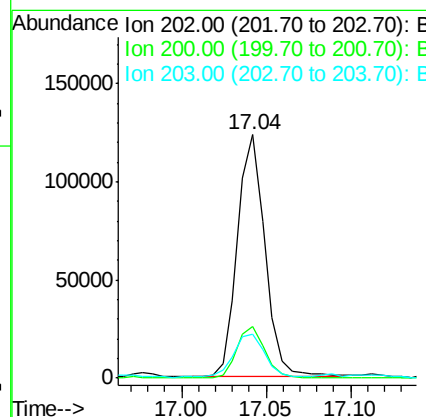
RT: 17.04 min Scan# 2568

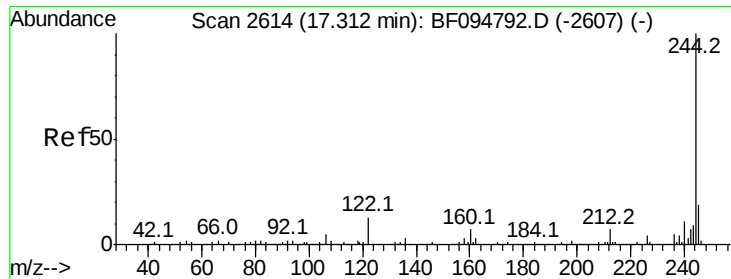
Delta R.T. -0.02 min

Lab File: BF095074.D

Acq: 11 May 2017 00:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	18.0	14.4	21.6





#78

Terphenyl-d14

Concen: 31.93 ng

RT: 17.28 min Scan# 2608

Delta R.T. -0.04 min

Lab File: BF095074.D

Acq: 11 May 2017 00:54

Instrument :

BNA_F

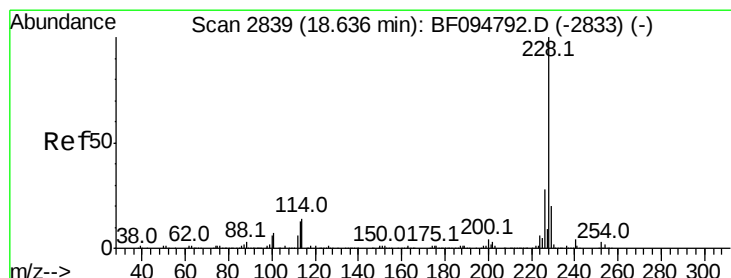
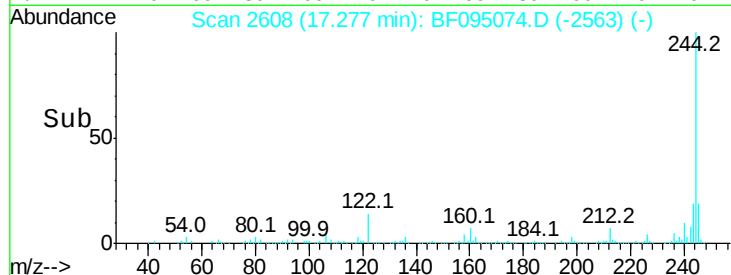
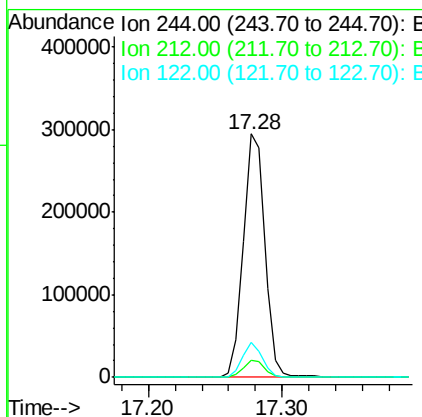
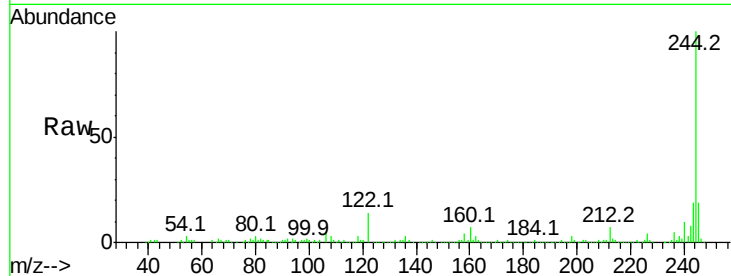
ClientSampleId :

E2-U10-BASE

Tot Ion:	244	Resp:	329316
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	14.2	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 5.56 ng m

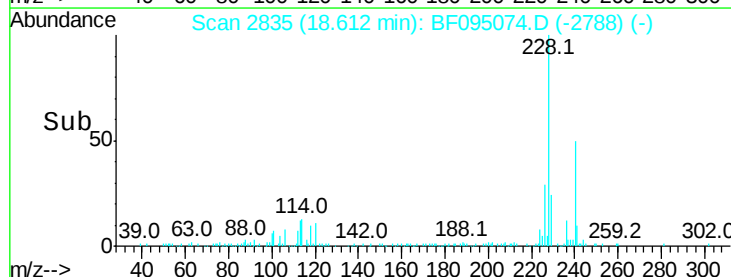
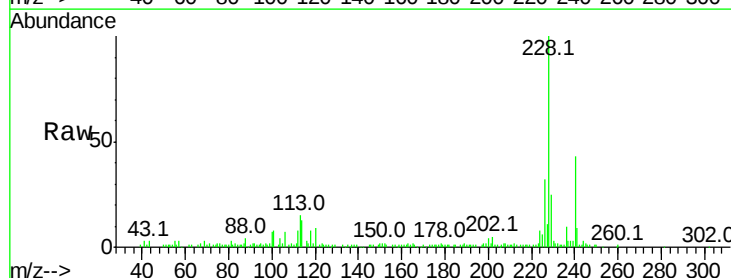
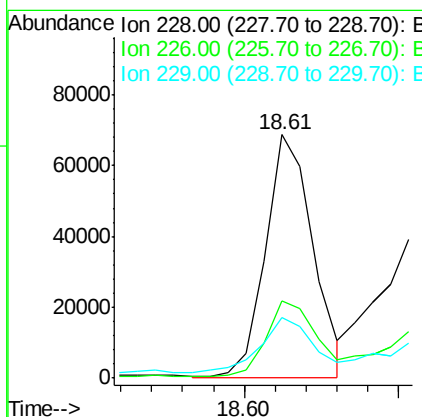
RT: 18.61 min Scan# 2835

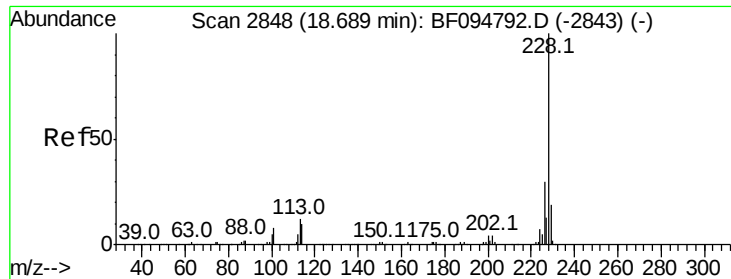
Delta R.T. -0.02 min

Lab File: BF095074.D

Acq: 11 May 2017 00:54

Tgt Ion:	228	Resp:	73552
Ion Ratio	Lower	Upper	
228	100		
226	32.0	22.6	33.8
229	25.0	16.3	24.5#





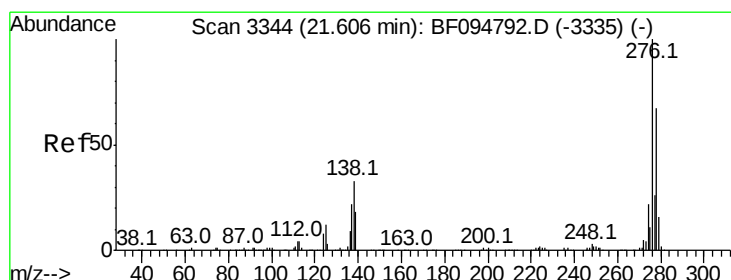
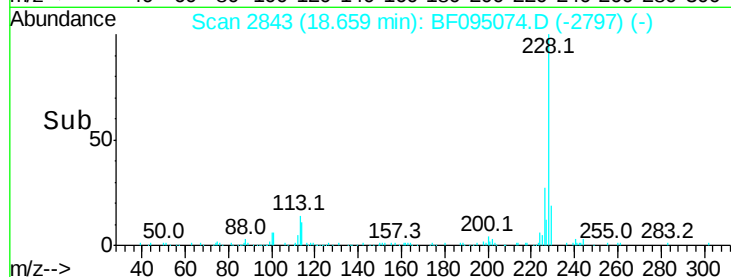
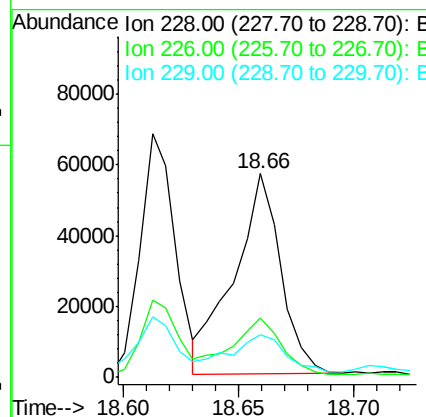
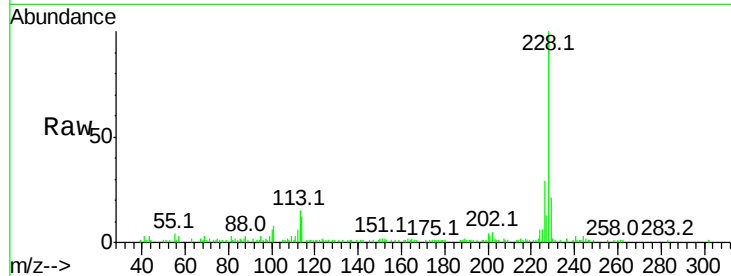
#82
Chrysene
Concen: 6.24 ng
RT: 18.66 min Scan# 2843
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

Tot Ion:	228	Resp:	79794
Ion Ratio	Lower	Upper	
228	100		
226	29.2	24.9	37.3
229	21.0	15.8	23.6

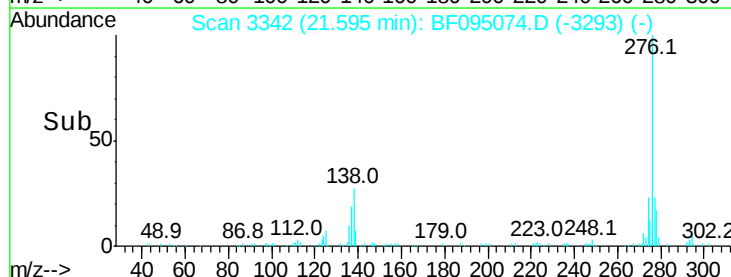
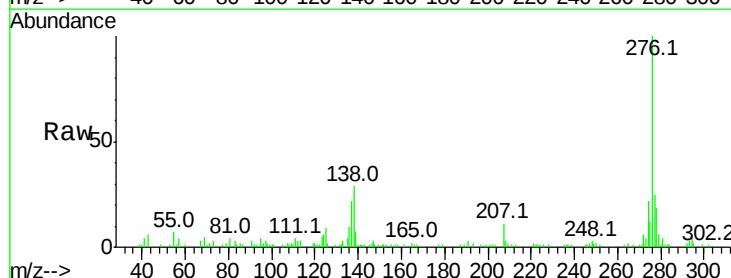
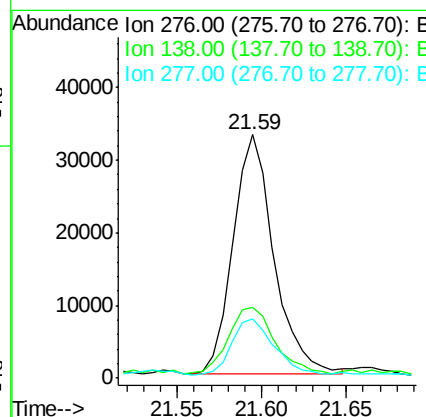
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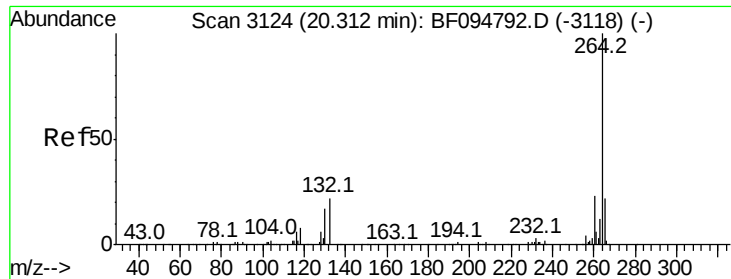
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.36 ng
RT: 21.59 min Scan# 3342
Delta R.T. -0.01 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:	276	Resp:	55654
Ion Ratio	Lower	Upper	
276	100		
138	33.3	27.8	41.6
277	24.7	20.2	30.4





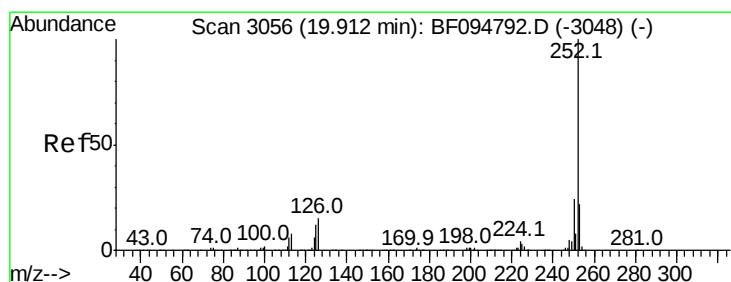
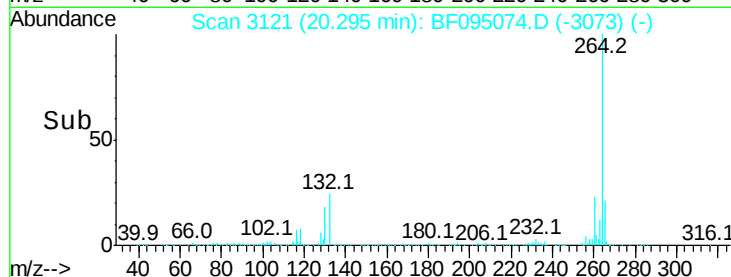
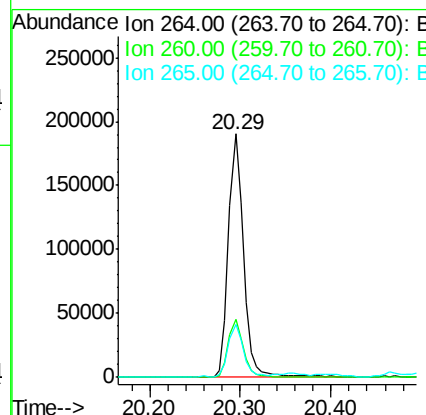
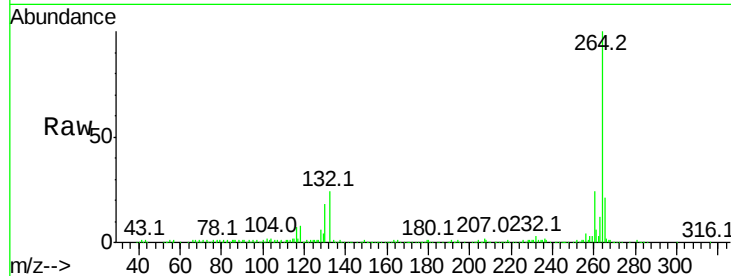
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.5	17.2	25.8

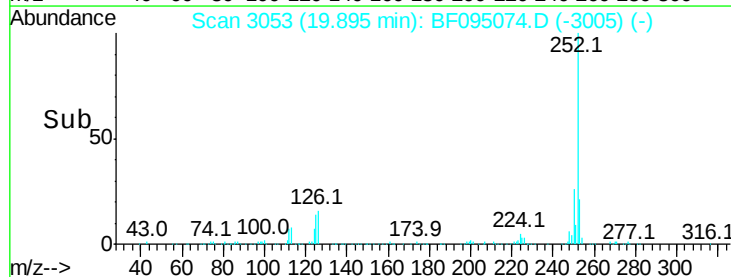
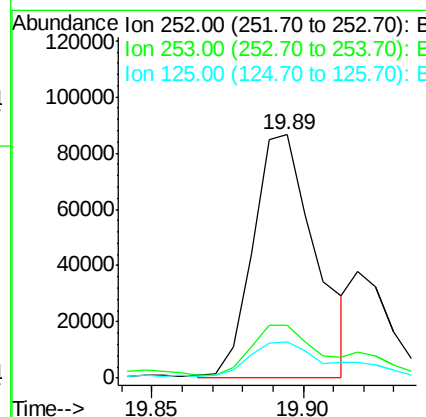
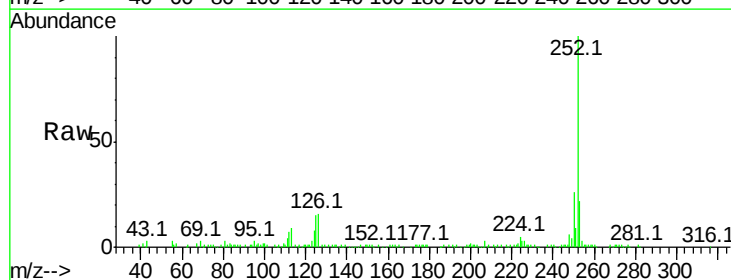
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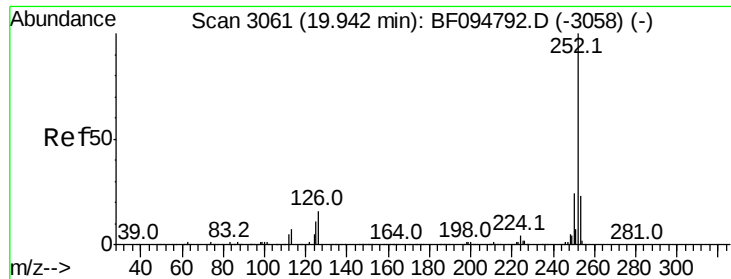
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#87
Benzo(b)fluoranthene
Concen: 9.09 ng m
RT: 19.89 min Scan# 3053
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	14.7	9.8	14.8





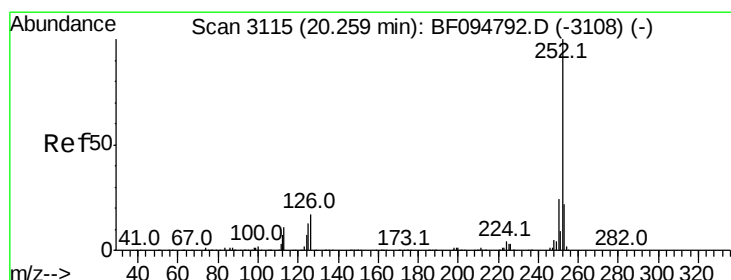
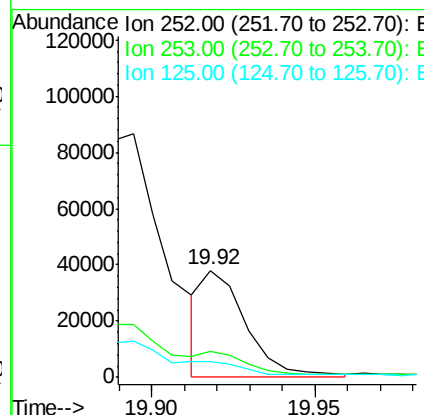
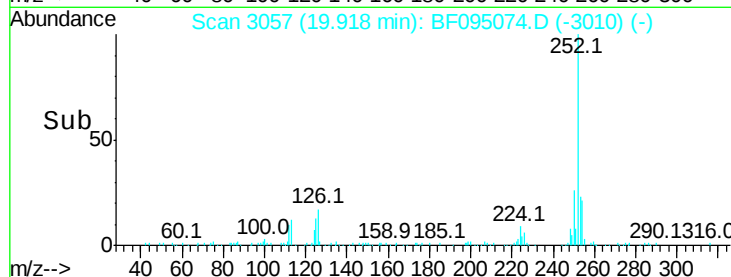
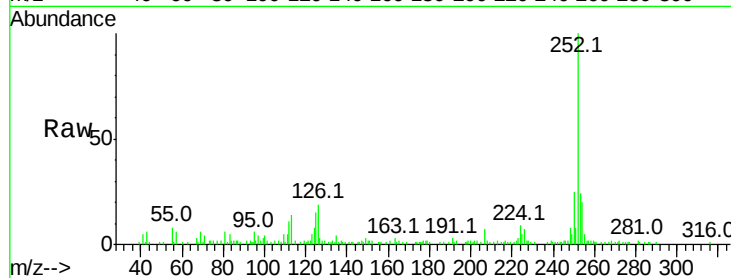
#88
Benzo(k)fluoranthene
Concen: 2.75 ng
RT: 19.92 min Scan# 3057
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

Tot Ion:	252	Resp:	35941
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.4	27.6
125	15.0	13.1	19.7

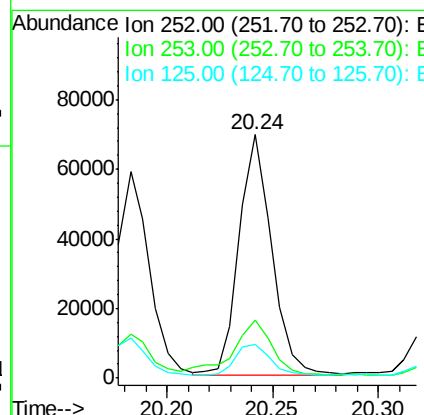
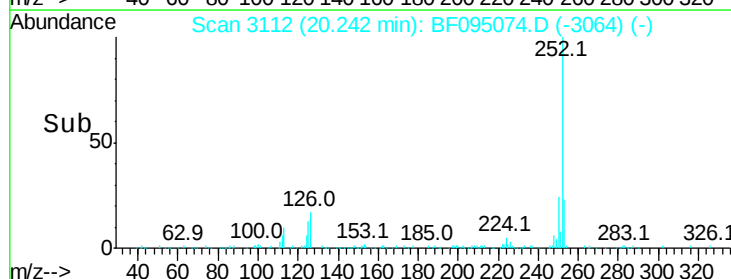
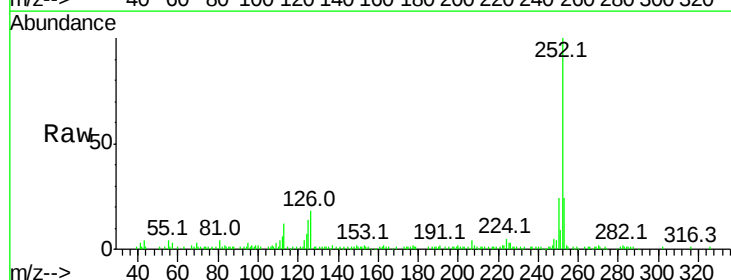
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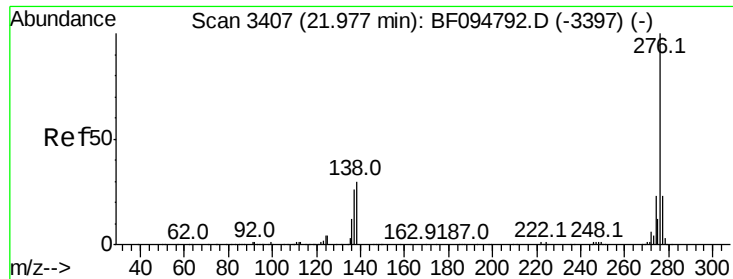
mohammad
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#89
Benzo(a)pyrene
Concen: 5.96 ng
RT: 20.24 min Scan# 3112
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:	252	Resp:	74579
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.5	26.3
125	13.8	11.0	16.4





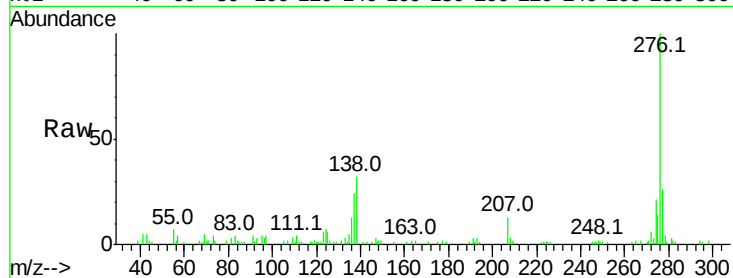
#91
 Benzo(a,h,i)perylene
 Concen: 5.48 ng
 RT: 21.97 min Scan# 3406
 Delta R.T. -0.01 min
 Lab File: BF095074.D
 Acq: 11 May 2017 00:54

Instrument :
 BNA_F
 ClientSampleId :
 E2-U10-BASE

Tot Ion:	276	Resp:	55578
Ion Ratio	Lower	Upper	
276	100		
277	25.9	18.6	28.0
138	32.1	25.4	38.0

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

