

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095494.D
 Acq On : 27 May 2017 10:19
 Operator : SJ/MA
 Sample : I3240-05DL 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP2-WC6(0-6.5)DL

Manual Integrations
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 5/30/2017 1:37:30 PM

Quant Time: May 29 00:10:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	80891	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	342469	20.00	ng	0.01
38) Acenaphthene-d10	12.60	164	142004	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	213227	20.00	ng	0.00
75) Chrysene-d12	18.67	240	188367	20.00	ng	0.00
86) Perylene-d12	20.35	264	131584	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	76571	15.78	ng	0.08
7) Phenol-d6	7.37	99	100800	17.32	ng	0.07
23) Nitrobenzene-d5	8.71	82	50232	9.25	ng	0.05
41) 2,4,6-Tribromophenol	13.92	330	17680	15.20	ng	0.02
44) 2-Fluorobiphenyl	11.55	172	133228	13.50	ng	0.02
78) Terphenyl-d14	17.32	244	86395	10.10	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	12.66	154	21015	2.33	ng	97
57) Fluorene	13.51	166	24610	2.26	ng	100
70) Phenanthrene	15.04	178	319103	26.05	ng	98
71) Anthracene	15.14	178	86507m	6.91	ng	
72) Carbazole	15.44	167	27147	2.38	ng	95
74) Fluoranthene	16.78	202	382737	30.45	ng	98
77) Pyrene	17.08	202	283431	20.12	ng	95
80) Benzo(a)anthracene	18.66	228	149393	13.63	ng	96
82) Chrysene	18.71	228	143875	13.57	ng	96
85) Indeno(1,2,3-cd)pyrene	21.70	276	36053	4.19	ng	95
87) Benzo(b)fluoranthene	19.95	252	125706m	15.46	ng	
88) Benzo(k)fluoranthene	19.97	252	47657m	6.08	ng	
89) Benzo(a)pyrene	20.30	252	76003	10.13	ng	96
91) Benzo(a,h,i)perylene	22.09	276	40838	6.72	ng	98

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

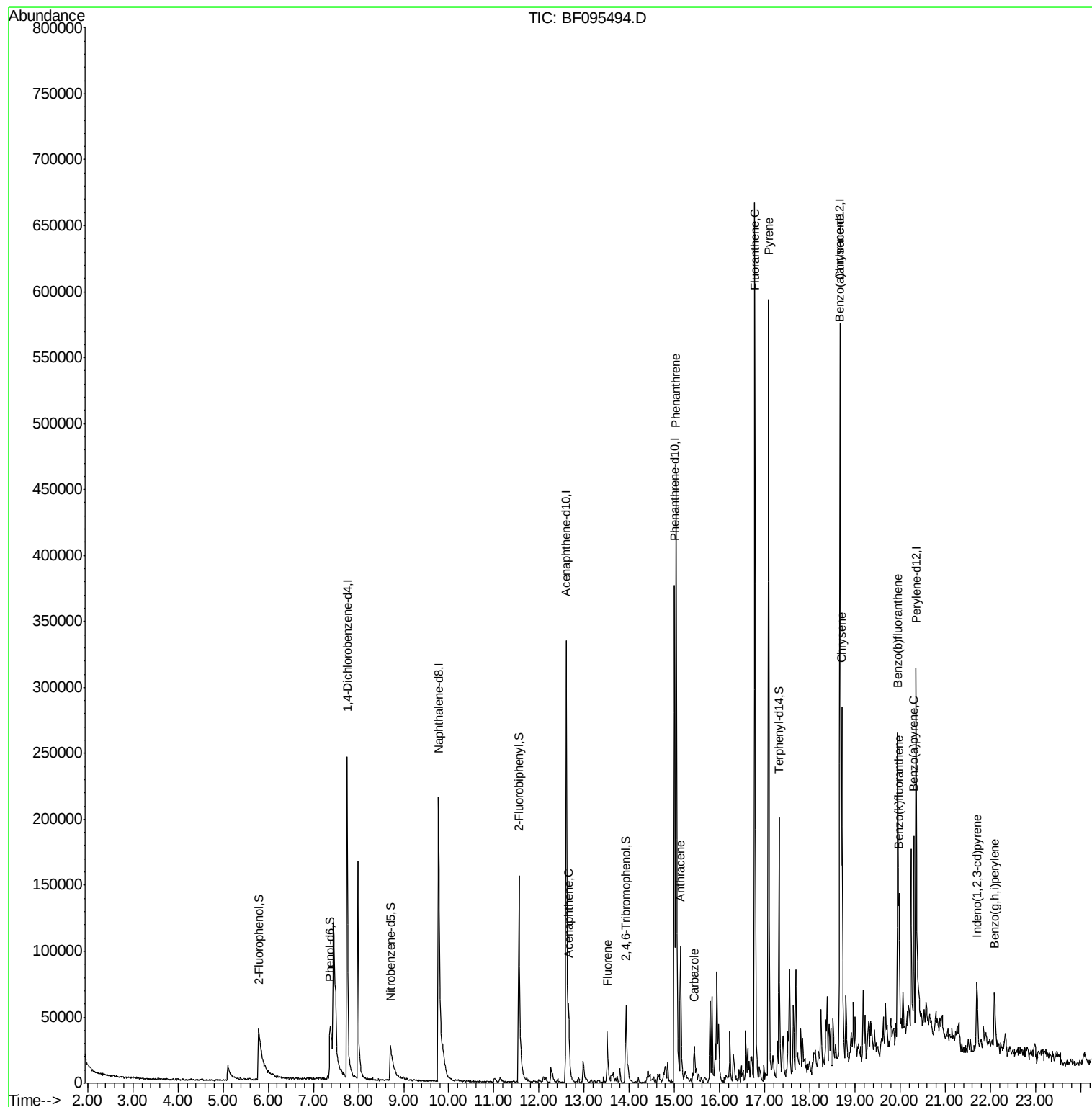
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
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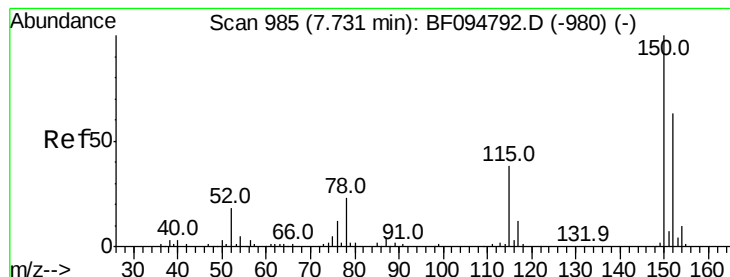
Instrument :
BNA_F
ClientSampleId :
EP2-WC6(0-6.5)DL

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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: 7.75 min Scan# 988

Delta R.T. 0.01 min

Lab File: BF095494.D

Acq: 27 May 2017 10:19

Instrument :

BNA_F

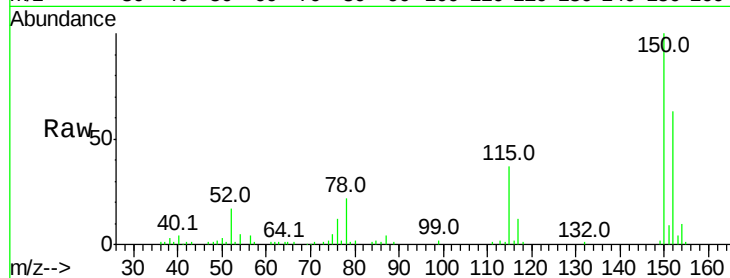
ClientSampleId :

EP2-WC6(0-6.5)DL

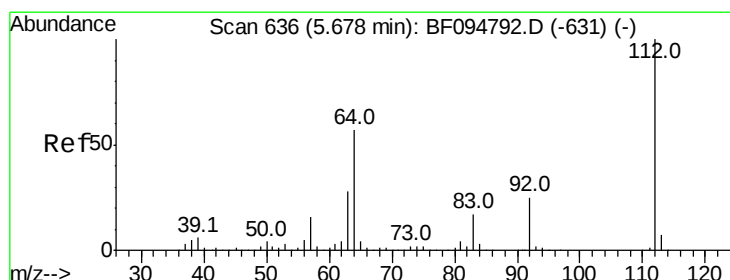
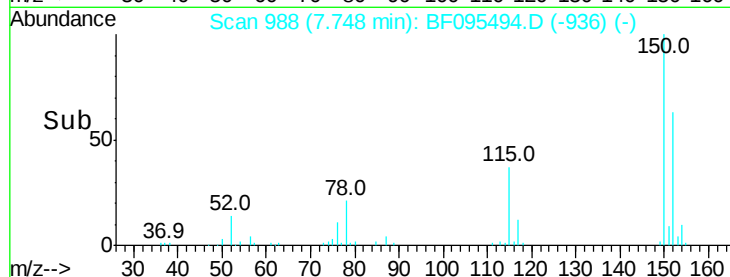
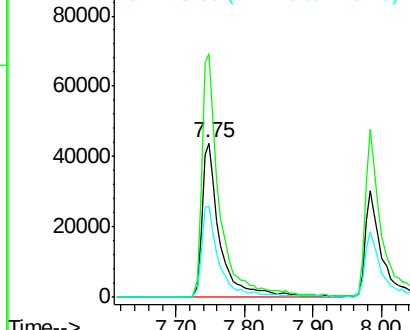
Tot Ion:	152	Resp:	80891
Ion Ratio	Lower	Upper	
152	100		
150	158.0	126.2	189.2
115	58.9	52.2	78.2

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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



#5

2-Fluorophenol

Concen: 15.78 ng

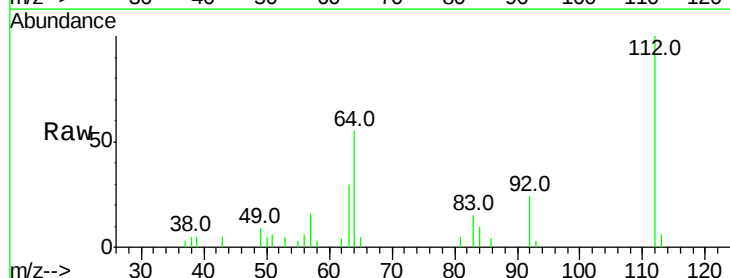
RT: 5.78 min Scan# 654

Delta R.T. 0.08 min

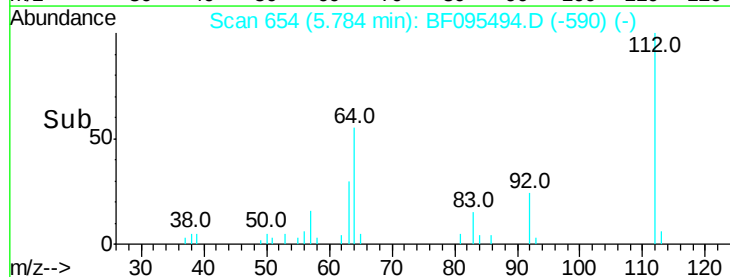
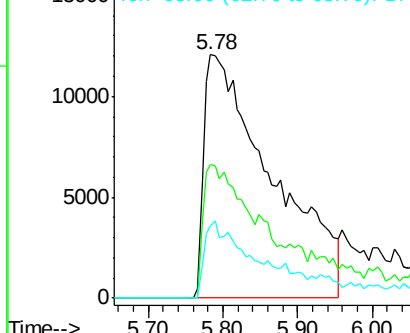
Lab File: BF095494.D

Acq: 27 May 2017 10:19

Tgt Ion:	112	Resp:	76571
Ion Ratio	Lower	Upper	
112	100		
64	54.7	46.0	69.0
63	29.8	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: 17.32 ng

RT: 7.37 min Scan# 923

Delta R.T. 0.07 min

Lab File: BF095494.D

Acq: 27 May 2017 10:19

Instrument :

BNA_F

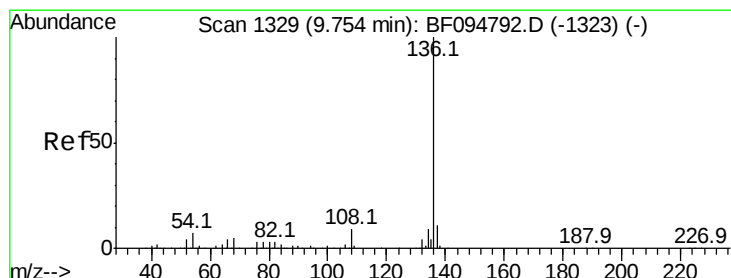
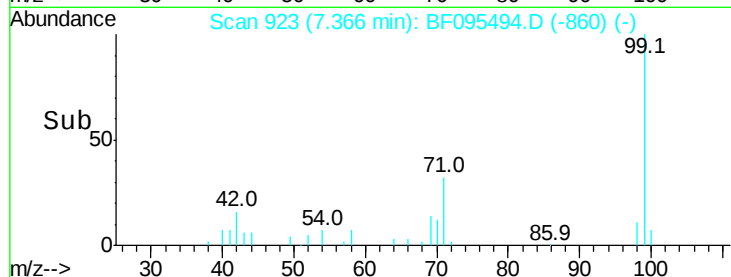
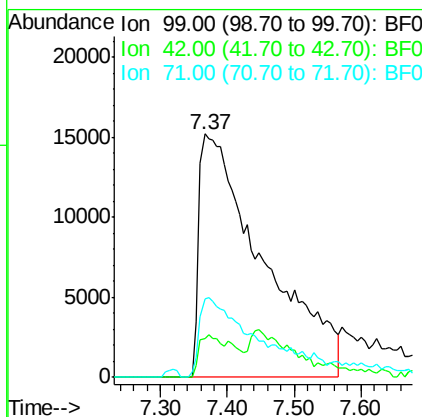
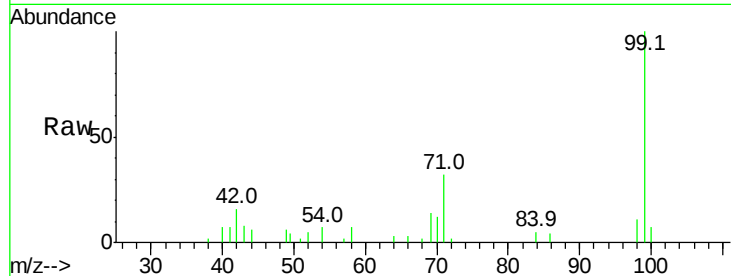
ClientSampleId :

EP2-WC6(0-6.5)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		100800		
42	15.7	13.5	20.3		
71	32.0	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

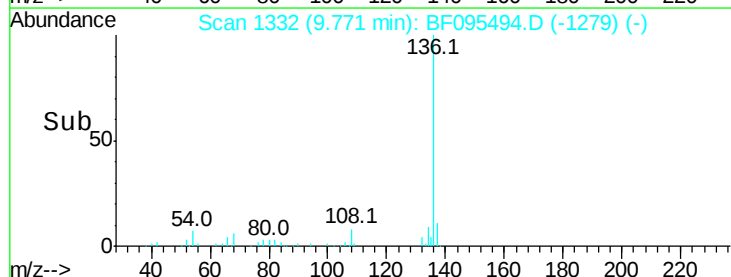
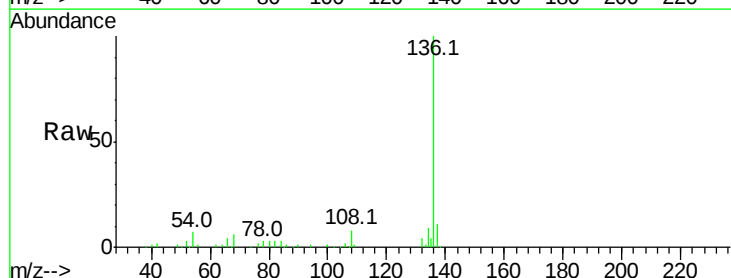
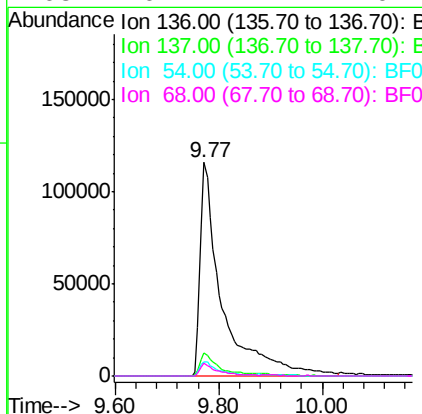
RT: 9.77 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BF095494.D

Acq: 27 May 2017 10:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		342469		
137	10.6	8.5	12.7		
54	6.8	4.9	7.3		
68	6.2	4.1	6.1#		





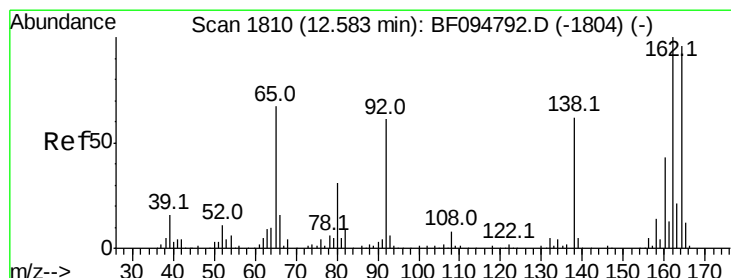
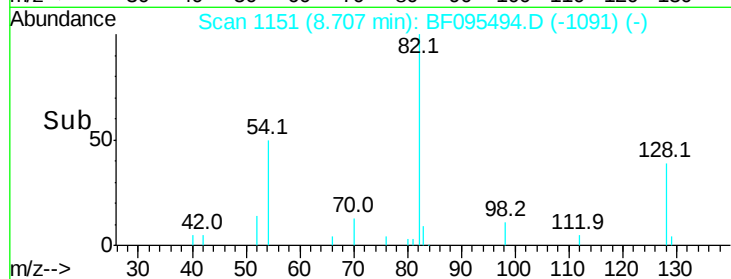
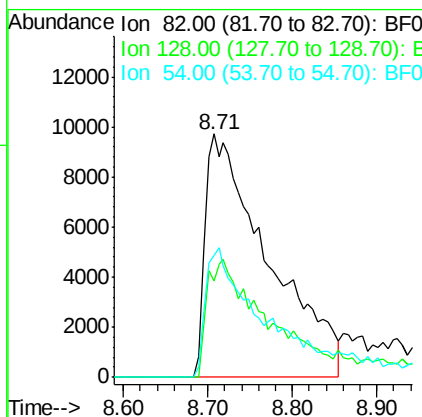
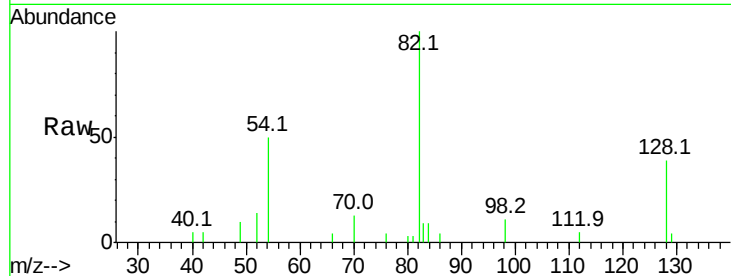
#23
Nitrobenzene-d5
Concen: 9.25 ng
RT: 8.71 min Scan# 1151
Delta R.T. 0.05 min
Lab File: BF095494.D
Acq: 27 May 2017 10:19

Instrument :
BNA_F
ClientSampleId :
EP2-WC6(0-6.5)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.5	34.0	51.0
54	50.3	42.2	63.2

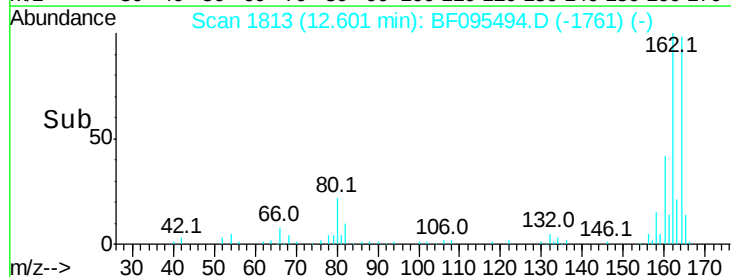
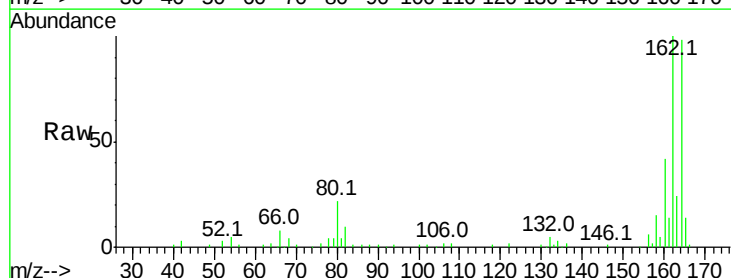
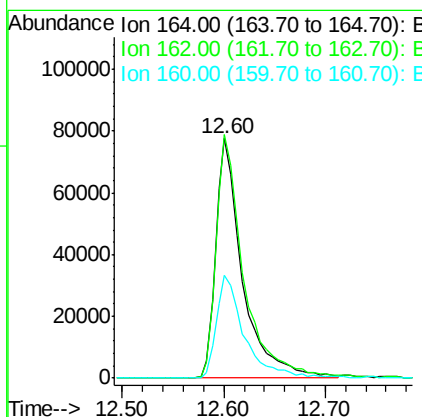
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1813
Delta R.T. 0.01 min
Lab File: BF095494.D
Acq: 27 May 2017 10:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.6	123.8
160	42.9	36.2	54.2





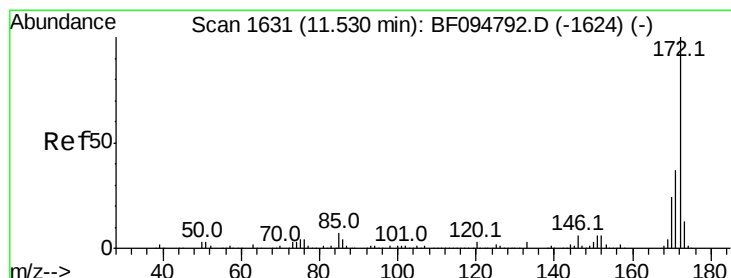
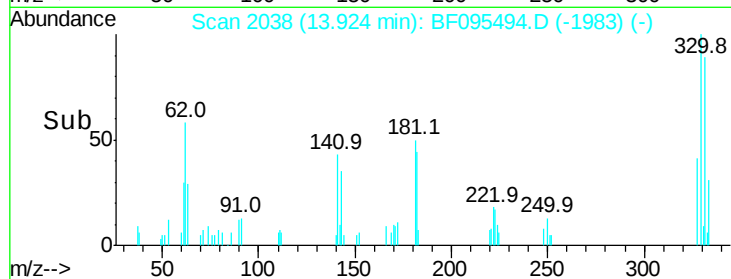
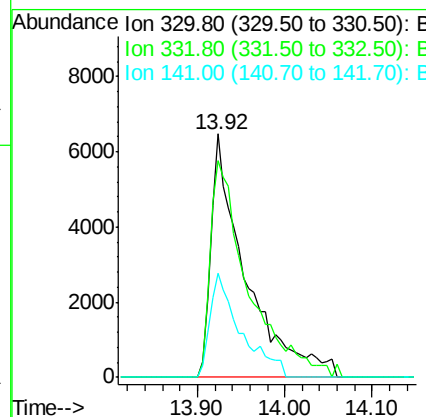
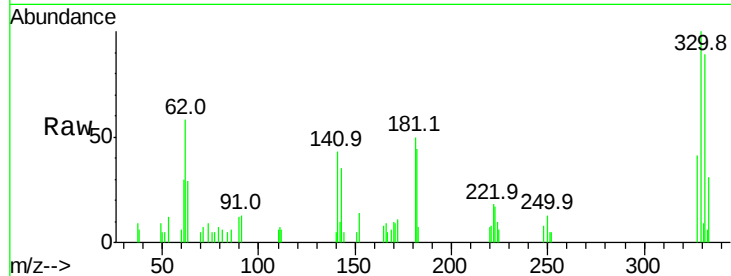
#41
 2,4,6-Tribromophenol
 Concen: 15.20 ng
 RT: 13.92 min Scan# 2038
 Delta R.T. 0.02 min
 Lab File: BF095494.D
 Acq: 27 May 2017 10:19

Instrument :
 BNA_F
 ClientSampleId :
 EP2-WC6(0-6.5)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.6	115.0
141	37.8	31.4	47.2

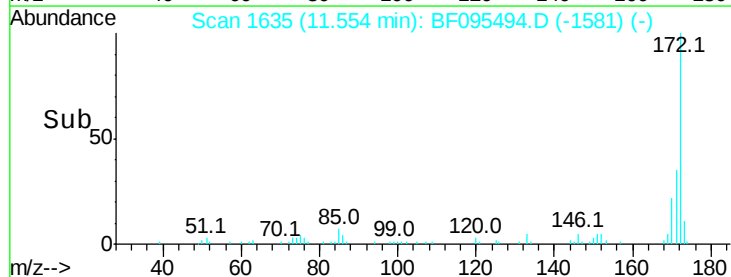
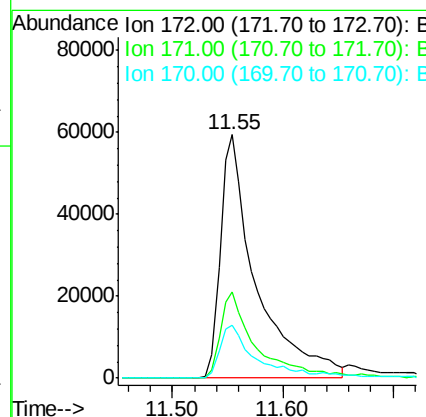
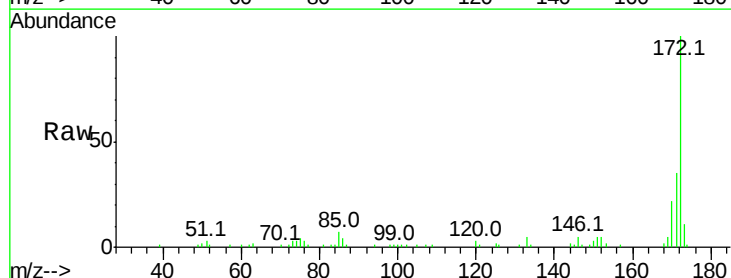
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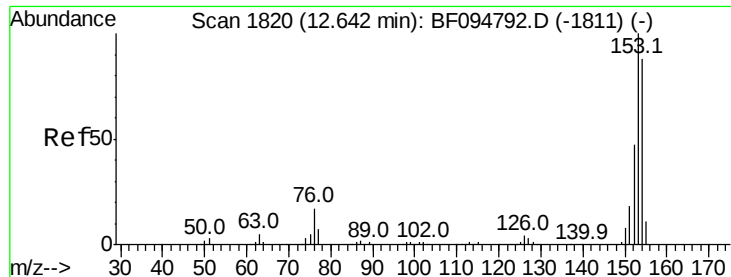
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#44
 2-Fluorobiphenyl
 Concen: 13.50 ng
 RT: 11.55 min Scan# 1635
 Delta R.T. 0.02 min
 Lab File: BF095494.D
 Acq: 27 May 2017 10:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	21.6	19.8	29.8





#51

Acenaphthene

Concen: 2.33 ng

RT: 12.66 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF095494.D

Acq: 27 May 2017 10:19

Instrument :

BNA_F

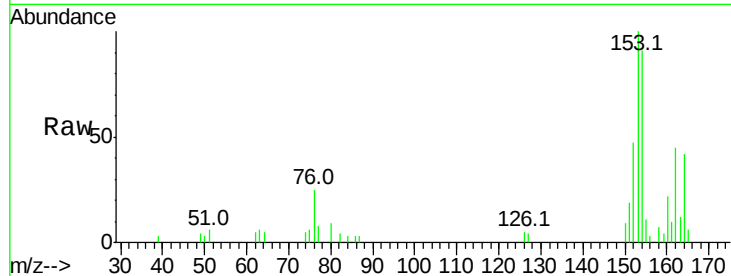
ClientSampleID :

EP2-WC6(0-6.5)DL

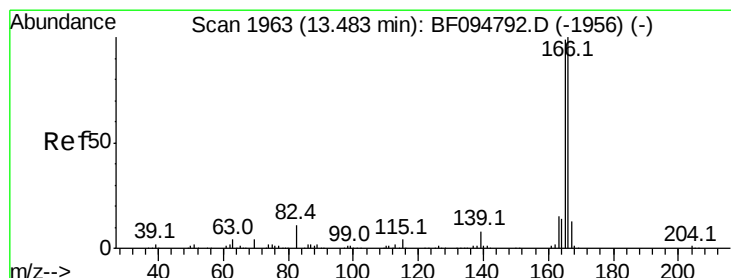
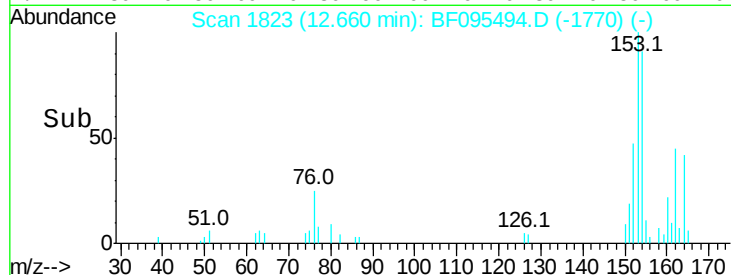
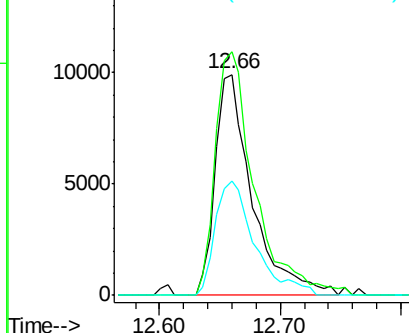
Tot Ion:	154	Resp:	21015
Ion Ratio	Lower	Upper	
154	100		
153	110.2	90.5	135.7
152	51.7	43.6	65.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.26 ng

RT: 13.51 min Scan# 1968

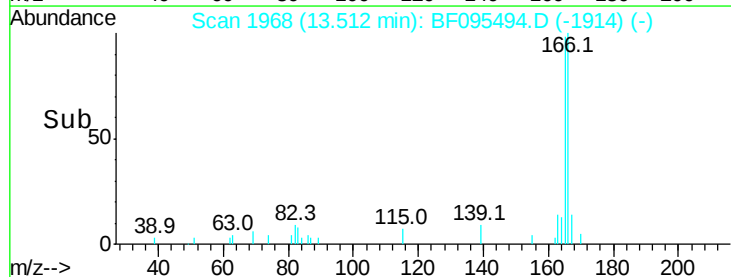
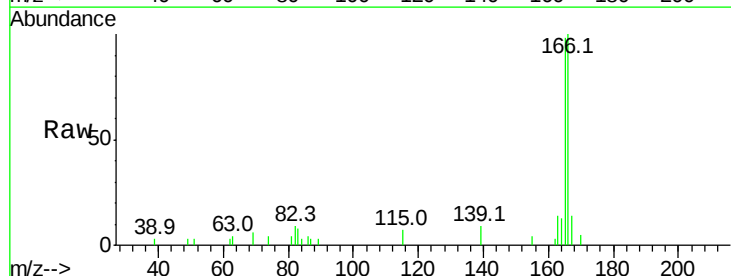
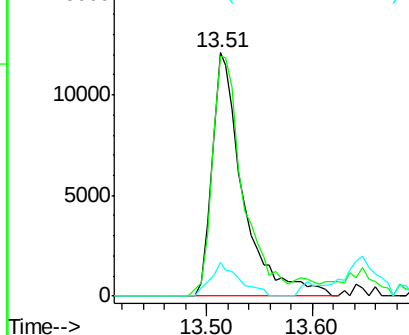
Delta R.T. 0.02 min

Lab File: BF095494.D

Acq: 27 May 2017 10:19

Tgt Ion:	166	Resp:	24610
Ion Ratio	Lower	Upper	
166	100		
165	98.5	78.8	118.2
167	14.0	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





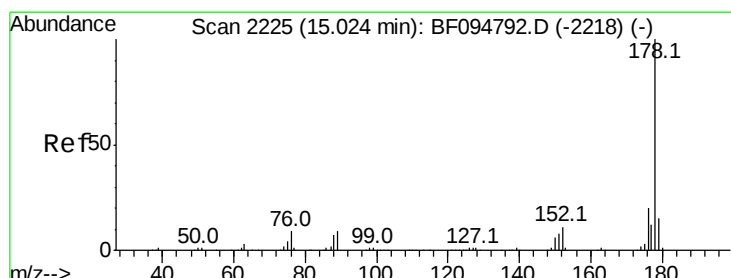
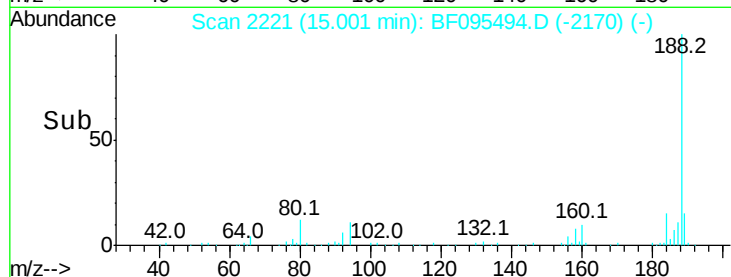
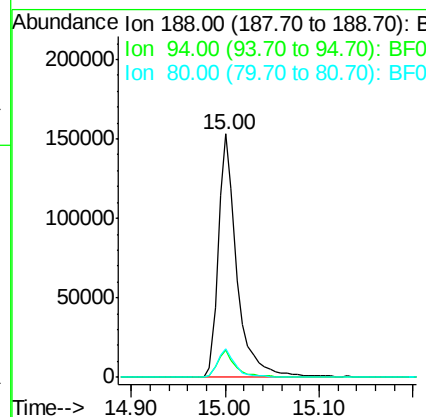
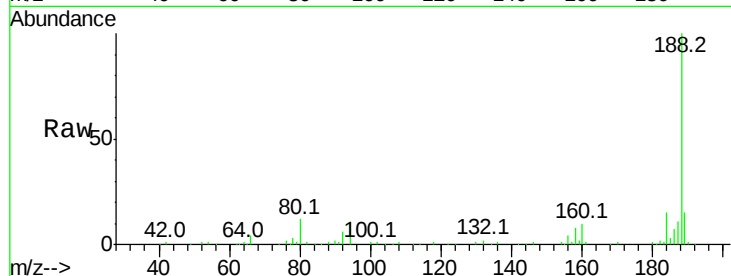
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF095494.D
Acq: 27 May 2017 10:19

Instrument :
BNA_F
ClientSampleId :
EP2-WC6(0-6.5)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	213227		
94	11.0		9.4	14.2
80	12.0		10.2	15.2

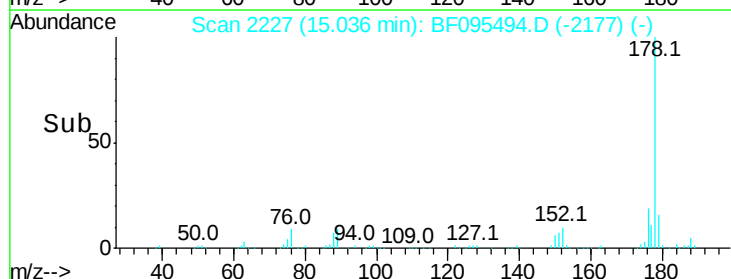
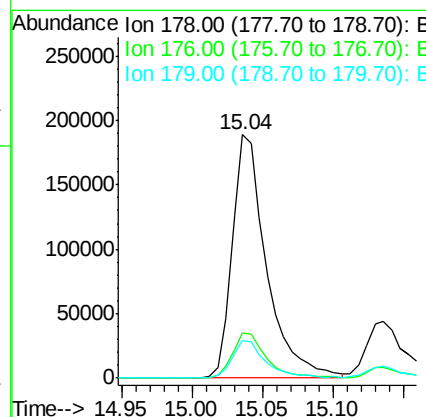
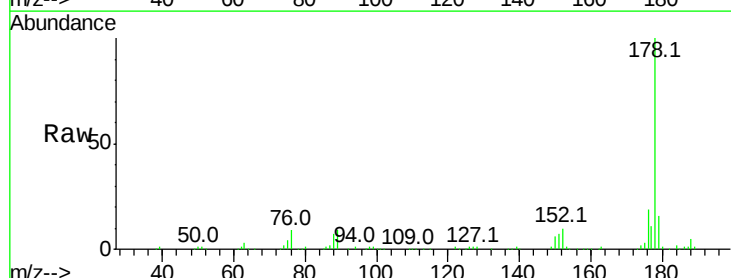
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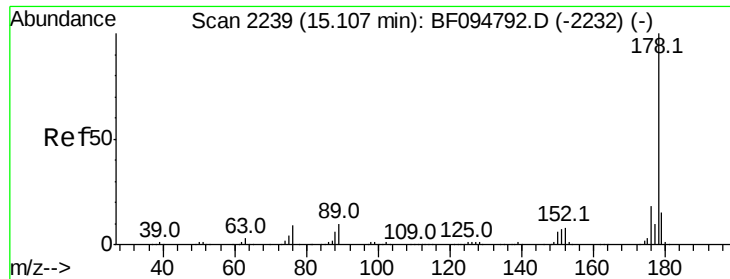
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#70
Phenanthrene
Concen: 26.05 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF095494.D
Acq: 27 May 2017 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	319103		
176	18.8		16.2	24.4
179	15.6		12.6	19.0





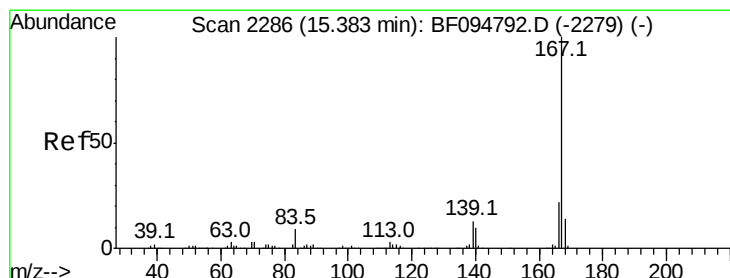
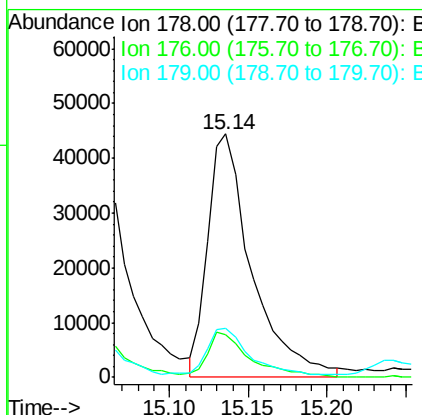
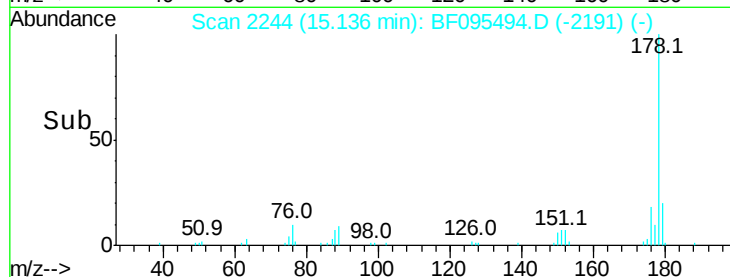
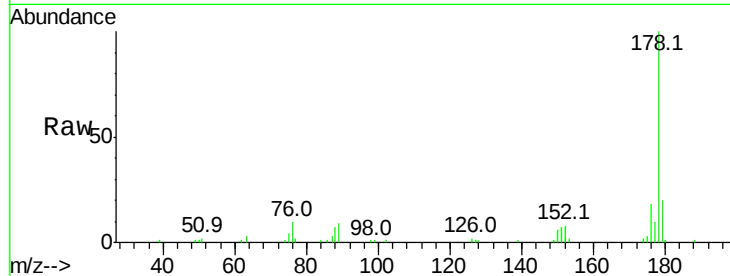
#71
 Anthracene
 Concen: 6.91 ng/mL
 RT: 15.14 min Scan# 2244
 Delta R.T. 0.01 min
 Lab File: BF095494.D
 Acq: 27 May 2017 10:19

Instrument :
 BNA_F
 ClientSampleId :
 EP2-WC6(0-6.5)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.8
179	20.1	12.7	19.1

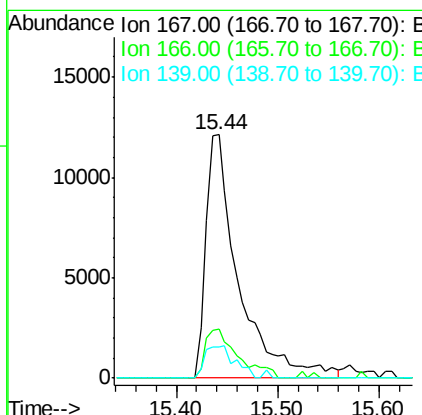
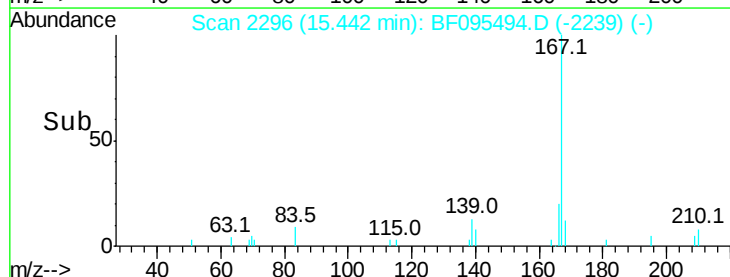
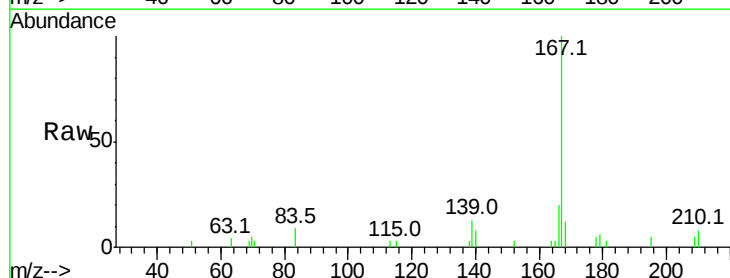
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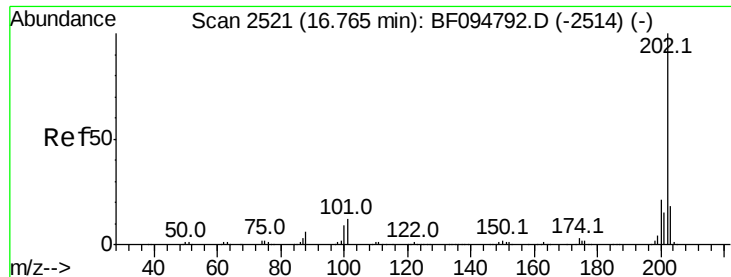
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#72
 Carbazole
 Concen: 2.38 ng/mL
 RT: 15.44 min Scan# 2296
 Delta R.T. 0.04 min
 Lab File: BF095494.D
 Acq: 27 May 2017 10:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	18.1	27.1
139	12.8	11.7	17.5





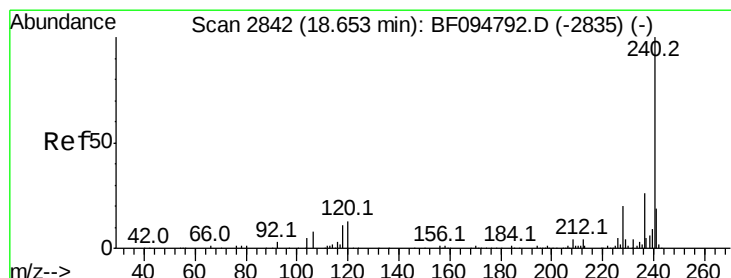
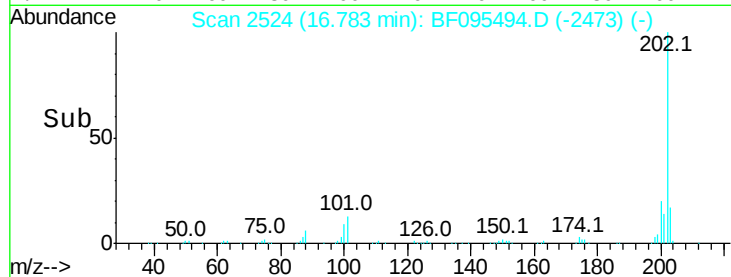
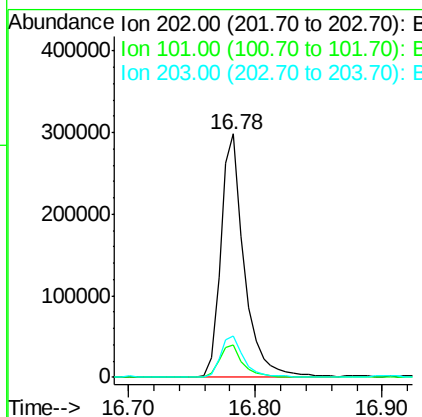
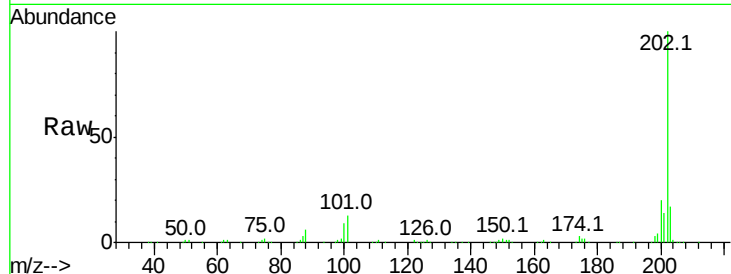
#74
Fluoranthene
Concen: 30.45 ng
RT: 16.78 min Scan# 2524
Delta R.T. -0.00 min
Lab File: BF095494.D
Acq: 27 May 2017 10:19

Instrument :
BNA_F
ClientSampleId :
EP2-WC6(0-6.5)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.3	0.0	33.2
203	17.0	0.0	38.1

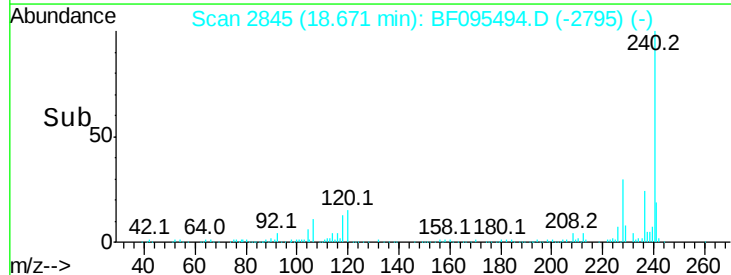
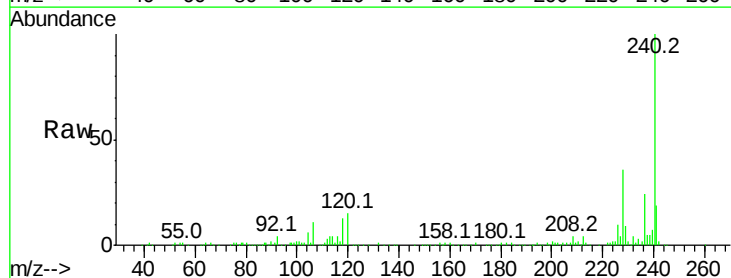
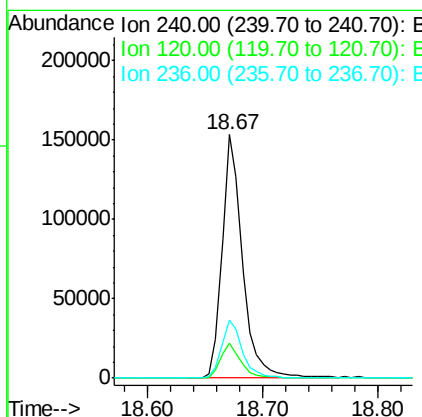
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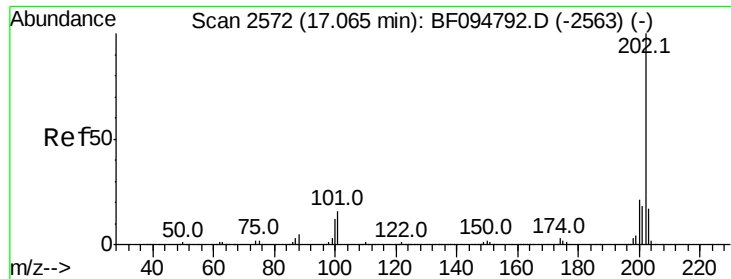
mohammad
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BF095494.D
Acq: 27 May 2017 10:19

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.5	5.8	8.8#
236	24.1	20.5	30.7





#77

Pvrene

Concen: 20.12 ng

RT: 17.08 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF095494.D

Acq: 27 May 2017 10:19

Instrument :

BNA_F

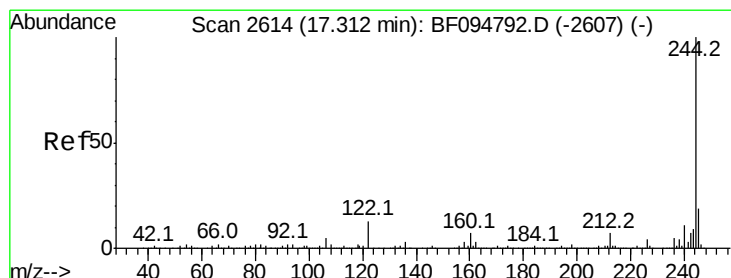
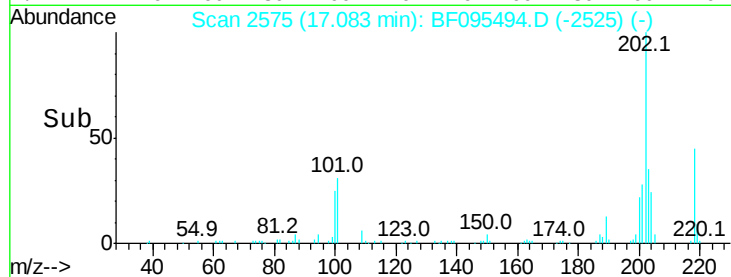
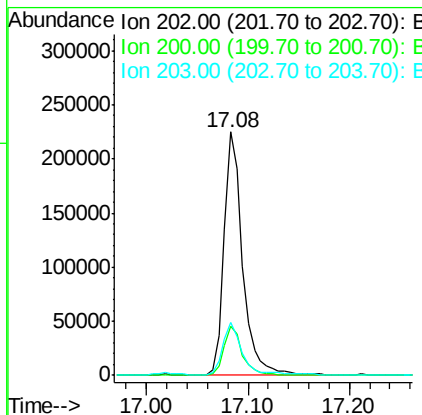
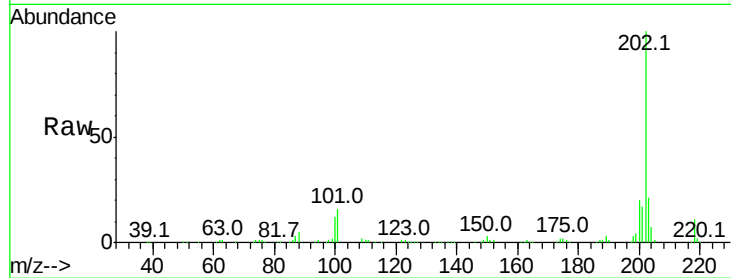
ClientSampleId :

EP2-WC6(0-6.5)DL

Tot Ion:	202	Resp:	283431
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.6	26.4
203	21.5	14.4	21.6

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#78

Terphenyl-d14

Concen: 10.10 ng

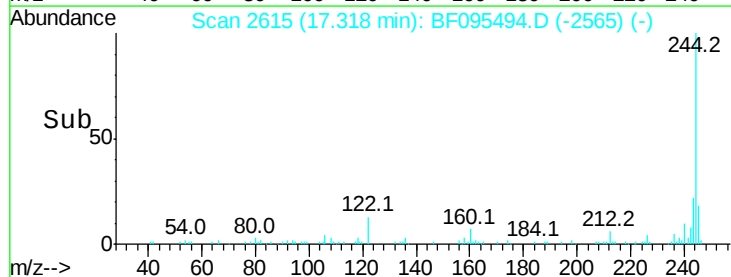
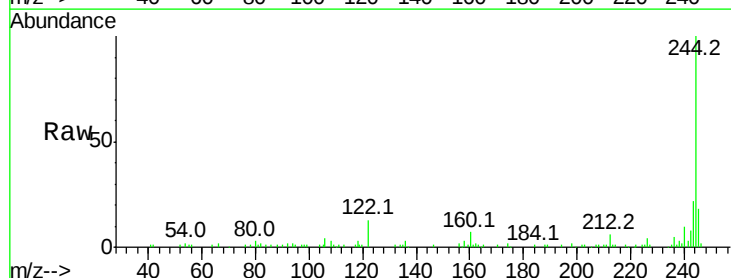
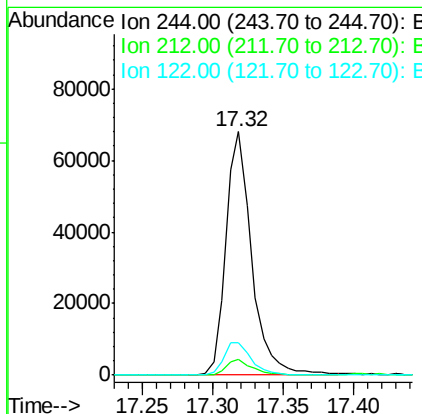
RT: 17.32 min Scan# 2615

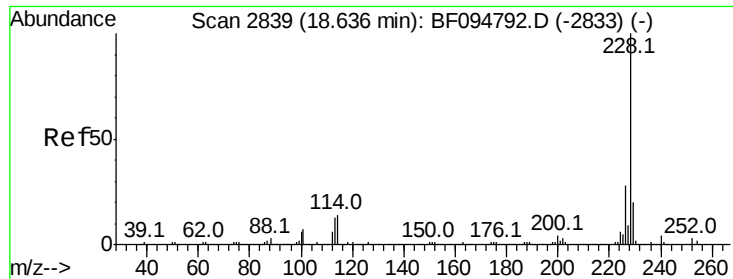
Delta R.T. -0.01 min

Lab File: BF095494.D

Acq: 27 May 2017 10:19

Tgt Ion:	244	Resp:	86395
Ion Ratio	Lower	Upper	
244	100		
212	6.3	6.0	9.0
122	13.1	10.3	15.5





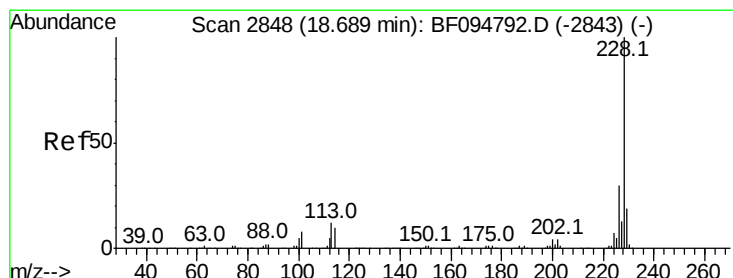
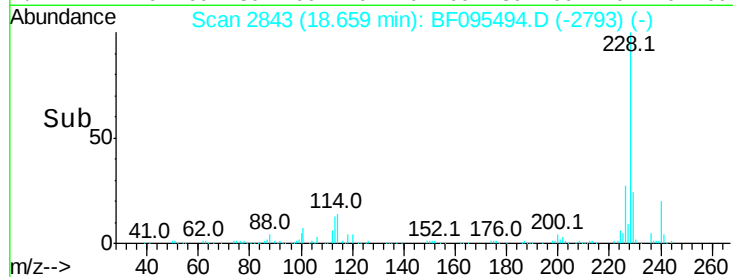
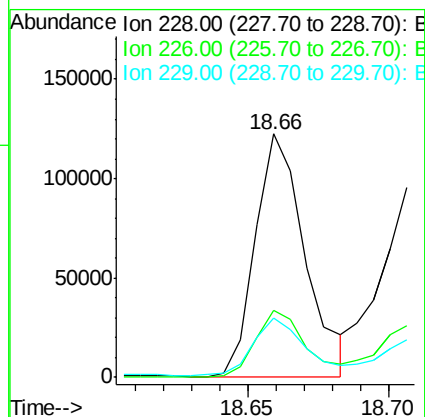
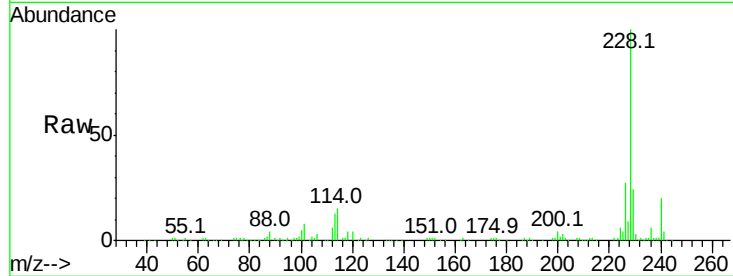
#80
Benzo(a)anthracene
Concen: 13.63 ng
RT: 18.66 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BF095494.D
Acq: 27 May 2017 10:19

Instrument :
BNA_F
ClientSampleId :
EP2-WC6(0-6.5)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	24.2	16.3	24.5

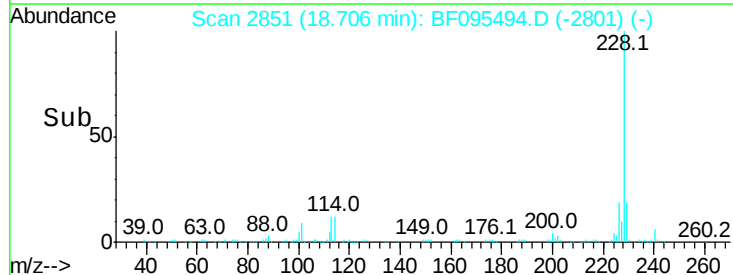
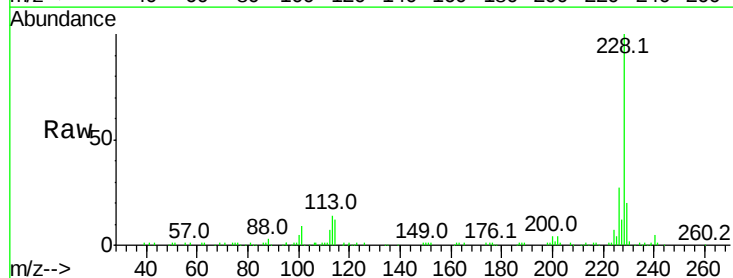
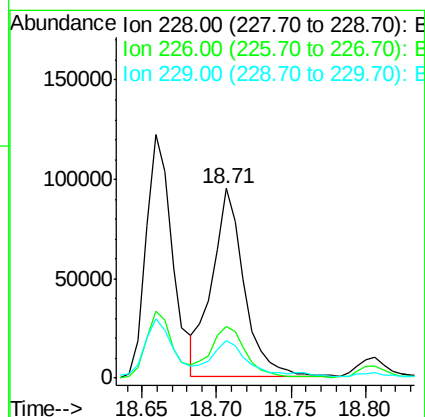
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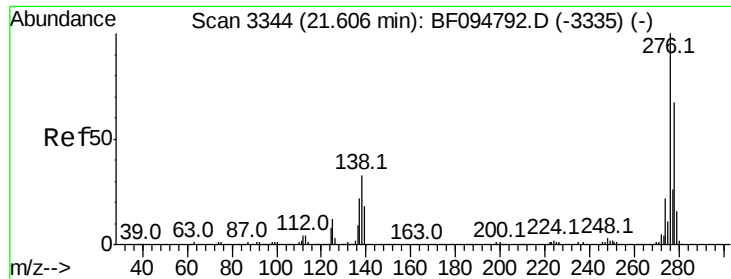
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#82
Chrysene
Concen: 13.57 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095494.D
Acq: 27 May 2017 10:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	24.9	37.3
229	19.7	15.8	23.6





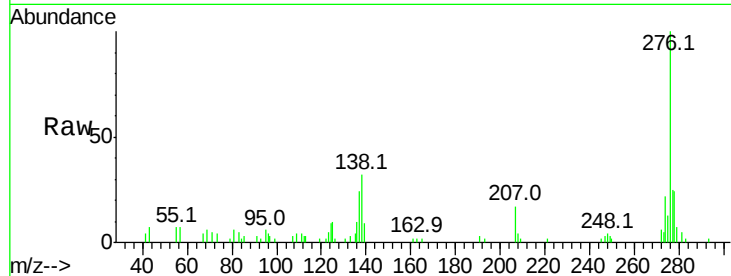
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.19 ng
 RT: 21.70 min Scan# 3360
 Delta R.T. 0.02 min
 Lab File: BF095494.D
 Acq: 27 May 2017 10:19

Instrument :
 BNA_F
 ClientSampled :
 EP2-WC6(0-6.5)DL

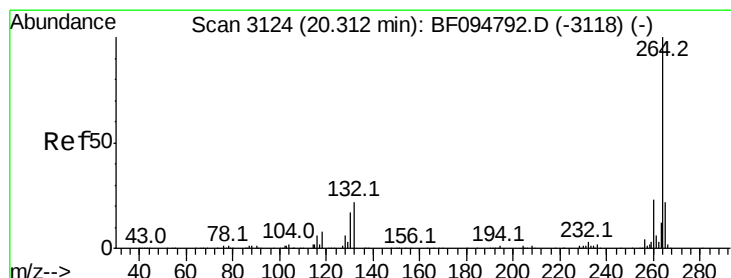
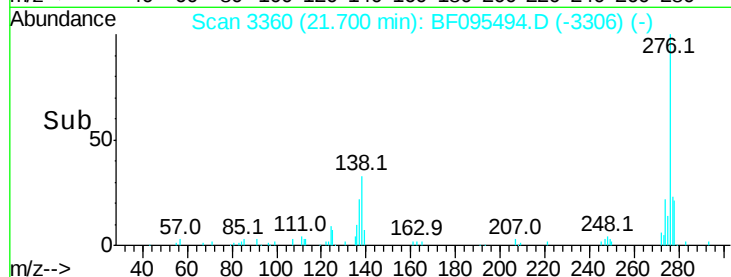
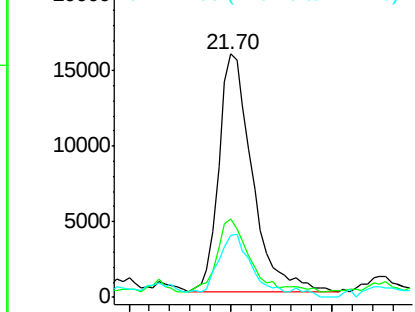
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	27.8	41.6
277	23.1	20.2	30.4

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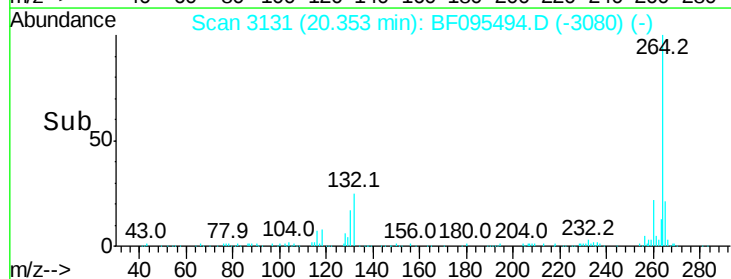
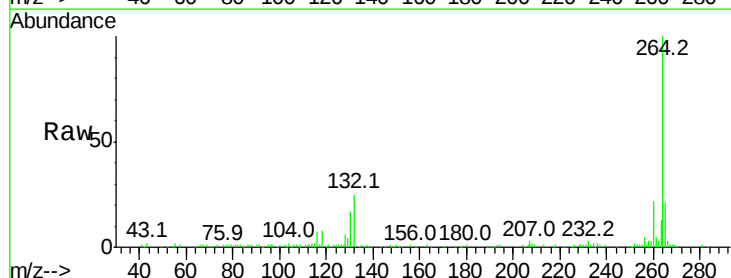
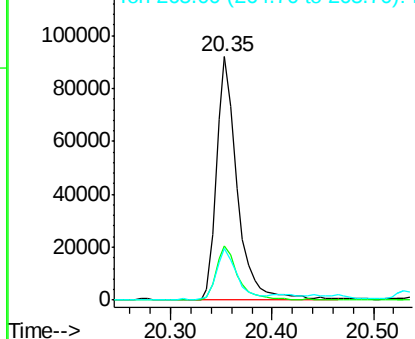
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

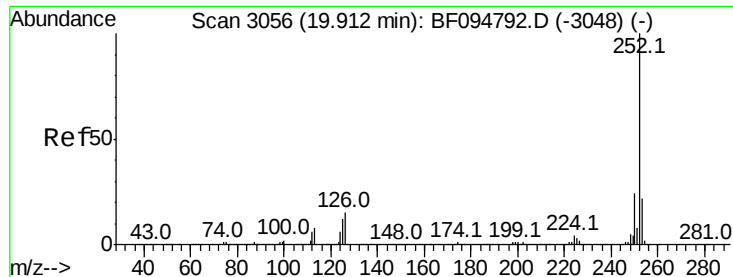


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.35 min Scan# 3131
 Delta R.T. -0.00 min
 Lab File: BF095494.D
 Acq: 27 May 2017 10:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.5	29.3
265	21.2	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: 15.46 ng m

RT: 19.95 min Scan# 3062

Delta R.T. 0.01 min

Lab File: BF095494.D

Acq: 27 May 2017 10:19

Instrument :

BNA_F

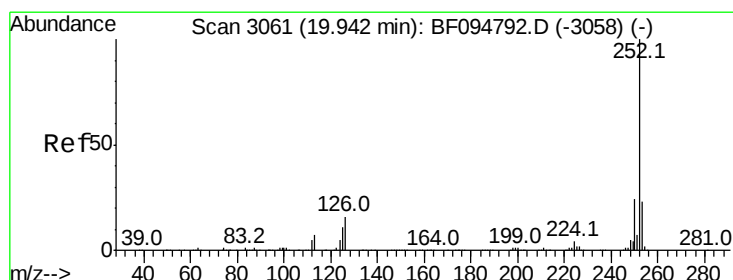
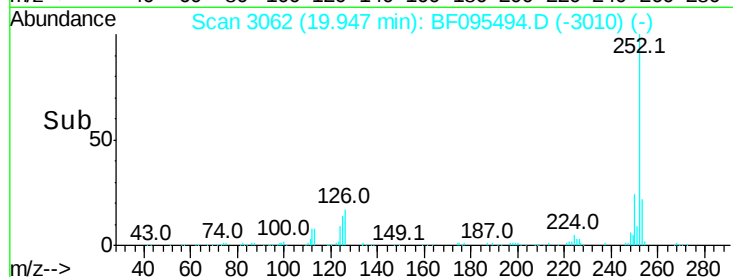
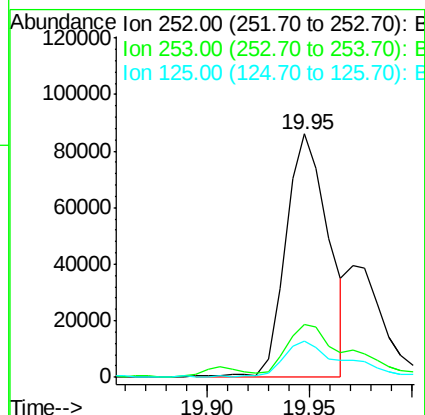
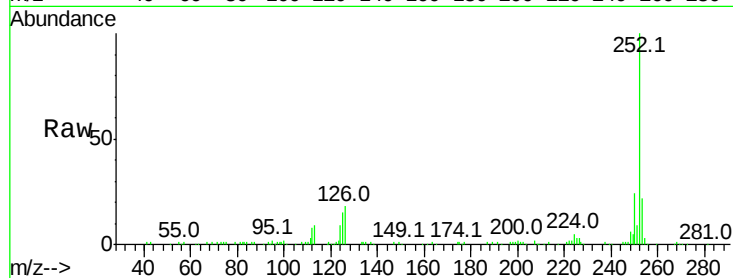
ClientSampleId :

EP2-WC6(0-6.5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	14.9	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 6.08 ng m

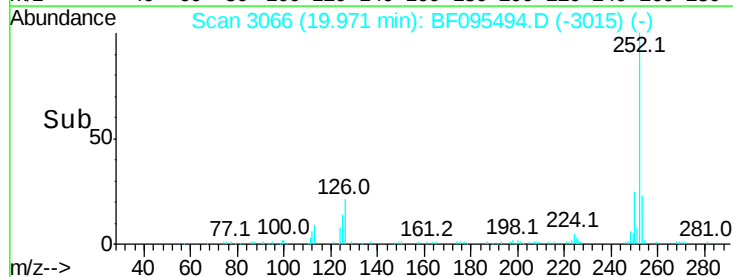
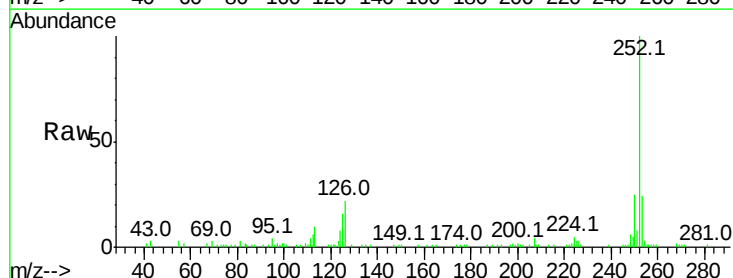
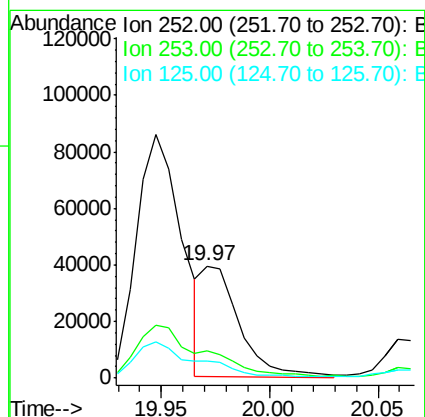
RT: 19.97 min Scan# 3066

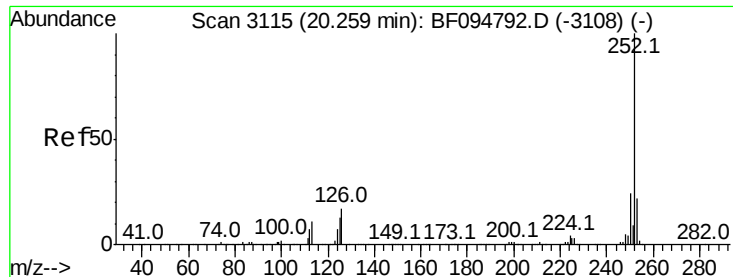
Delta R.T. -0.00 min

Lab File: BF095494.D

Acq: 27 May 2017 10:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	15.8	13.1	19.7





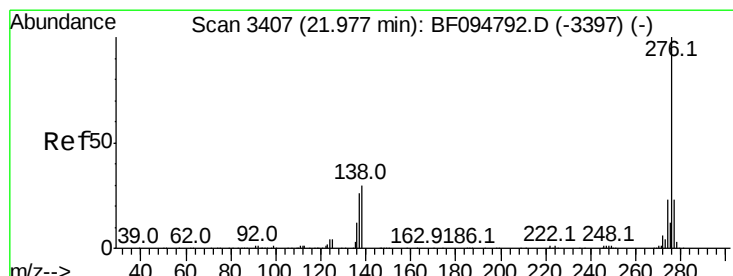
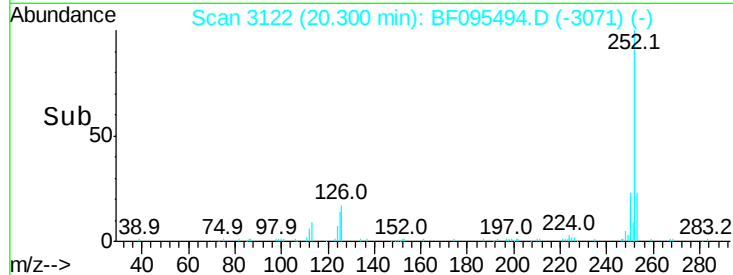
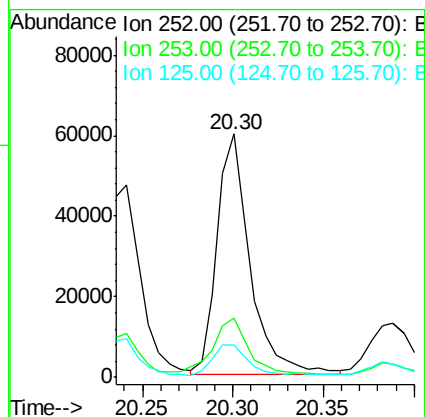
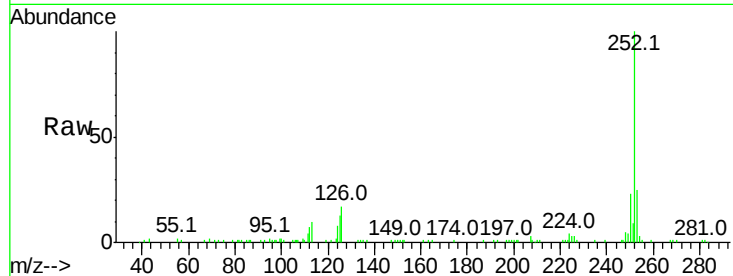
#89
Benzo(a)pyrene
Concen: 10.13 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BF095494.D
Acq: 27 May 2017 10:19

Instrument :
BNA_F
ClientSampleId :
EP2-WC6(0-6.5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	13.1	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.72 ng
RT: 22.09 min Scan# 3427
Delta R.T. 0.02 min
Lab File: BF095494.D
Acq: 27 May 2017 10:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	28.0
138	31.4	25.4	38.0

