

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095474.D
 Acq On : 26 May 2017 22:19
 Operator : SJ/MA
 Sample : I3241-06 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC9(0-9.8)

Manual Integrations
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Quant Time: May 30 11:49:38 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	7.74	152	92226	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	365968	20.00	ng	0.01
38) Acenaphthene-d10	12.60	164	150570	20.00	ng	0.00
63) Phenanthrene-d10	15.01	188	219569	20.00	ng	0.00
75) Chrysene-d12	18.68	240	194832	20.00	ng	0.00
86) Perylene-d12	20.35	264	144724	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	79942	14.45	ng	0.06
7) Phenol-d6	7.35	99	111995	16.87	ng	0.06
23) Nitrobenzene-d5	8.69	82	55490	9.56	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	17742m	14.39	ng	0.02
44) 2-Fluorobiphenyl	11.55	172	153400	14.66	ng	0.01
78) Terphenyl-d14	17.32	244	94772	10.71	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	15.04	178	46574	3.69	ng	98
74) Fluoranthene	16.79	202	75235	5.81	ng	97
77) Pyrene	17.09	202	70903	4.87	ng	97
80) Benzo(a)anthracene	18.67	228	29614m	2.61	ng	
82) Chrysene	18.71	228	28152	2.57	ng	95
87) Benzo(b)fluoranthene	19.95	252	27135m	3.03	ng	
89) Benzo(a)pyrene	20.30	252	19271	2.34	ng	# 82

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

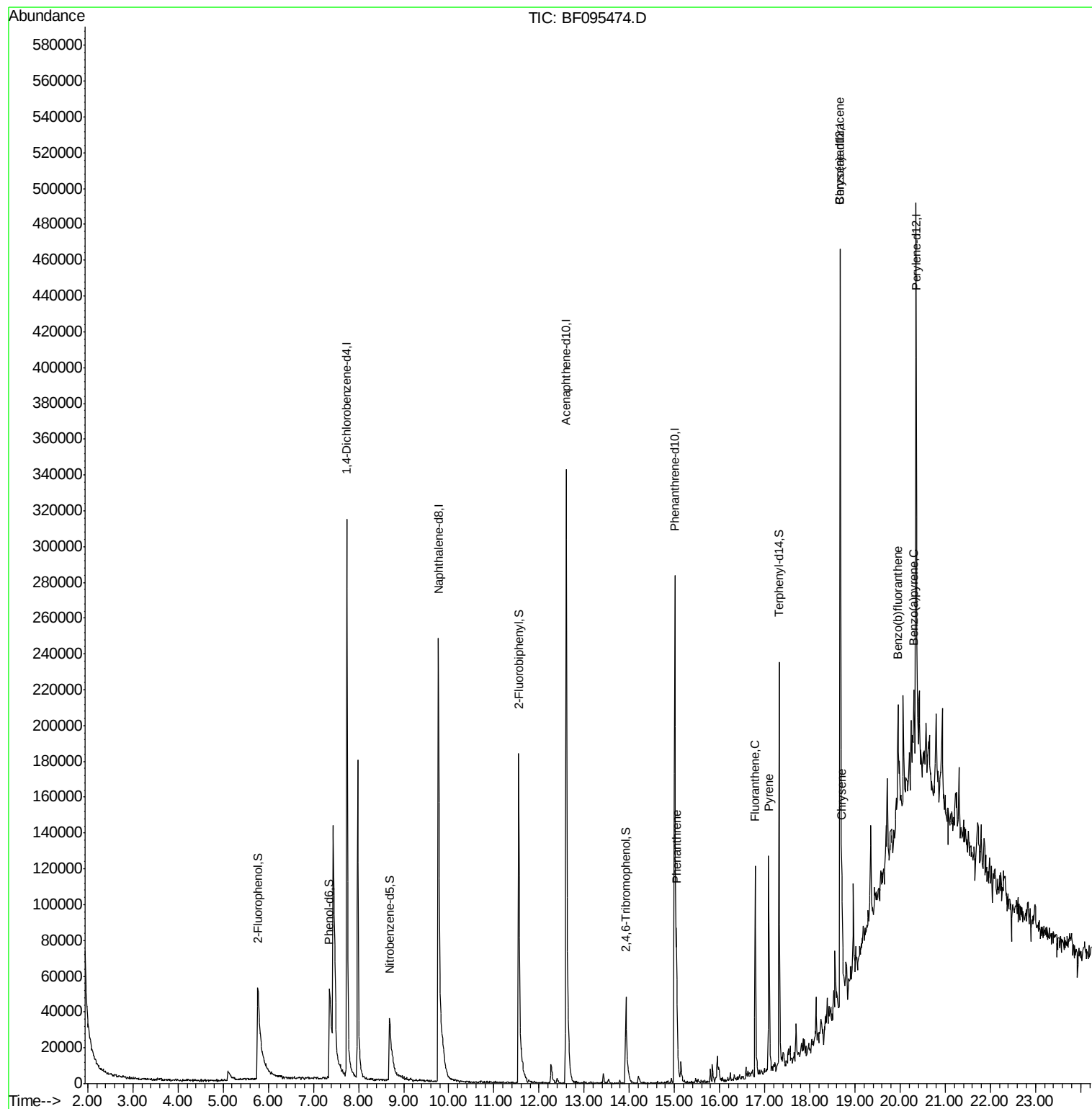
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095474.D
Acq On : 26 May 2017 22:19
Operator : SJ/MA
Sample : I3241-06 5X
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP1-WC9(0-9.8)

Manual Integrations
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Quant Time: May 30 11:49:38 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
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#1

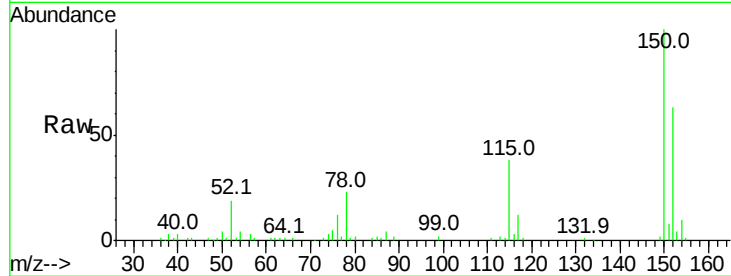
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF095474.D
Acq: 26 May 2017 22:19

Instrument :
BNA_F
ClientSampleId :
EP1-WC9(0-9.8)

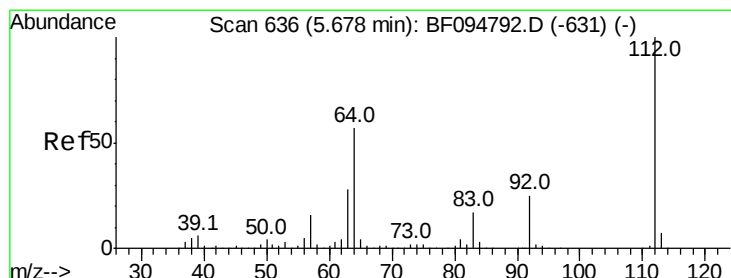
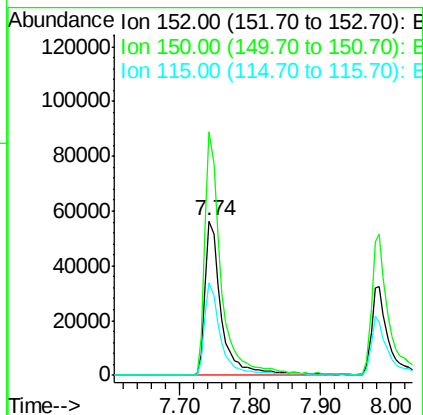
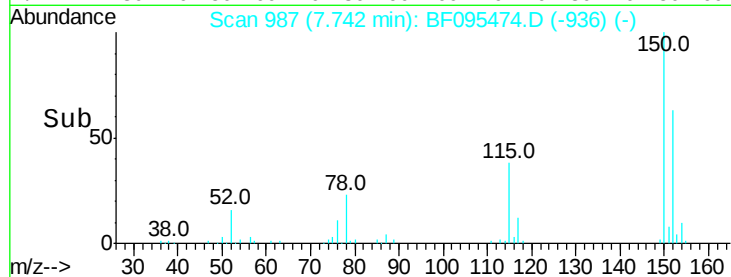
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.2	189.2
115	60.0	52.2	78.2

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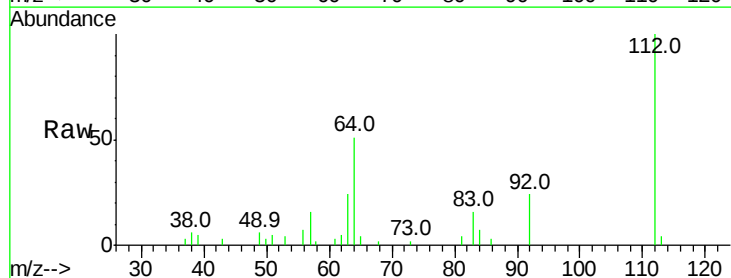
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



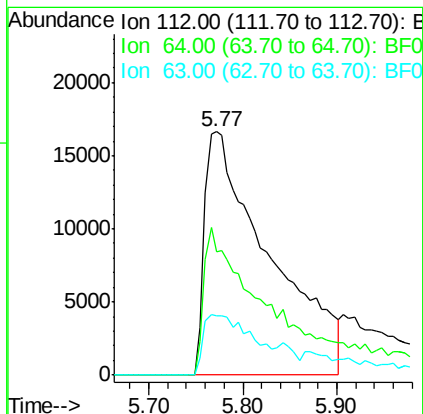
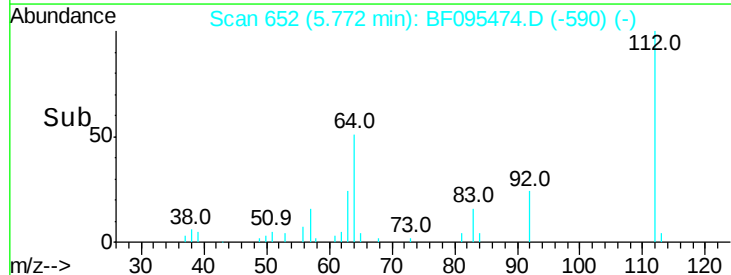
#5

2-Fluorophenol
Concen: 14.45 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.06 min
Lab File: BF095474.D
Acq: 26 May 2017 22:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.6	46.0	69.0
63	24.3	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: 16.87 ng

RT: 7.35 min Scan# 921

Delta R.T. 0.06 min

Lab File: BF095474.D

Acq: 26 May 2017 22:19

Instrument :

BNA_F

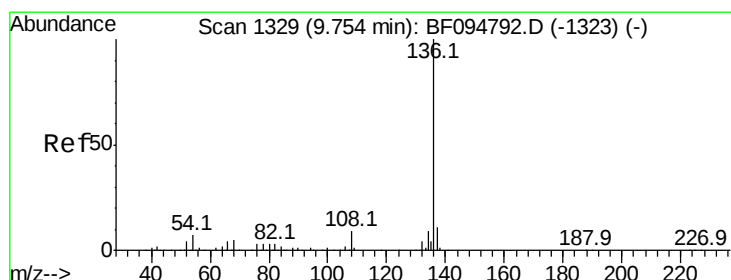
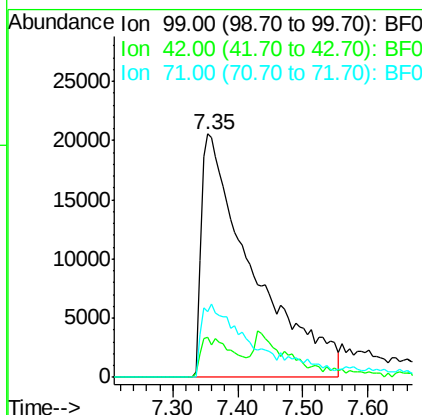
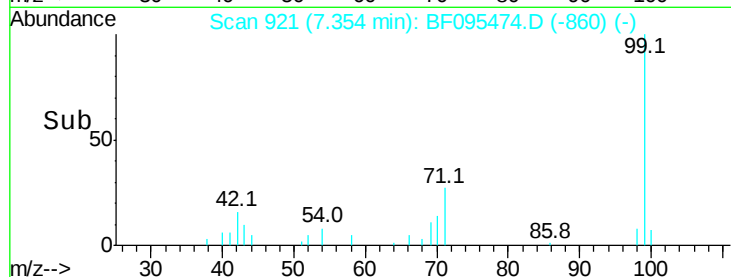
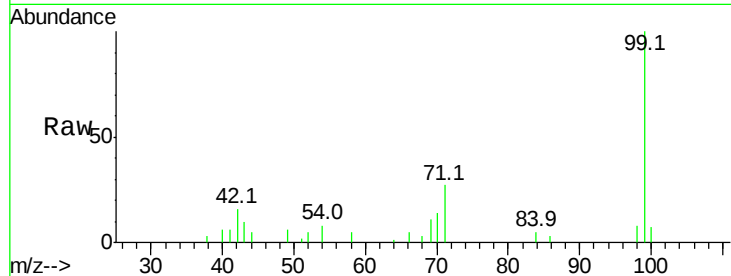
ClientSampleId :

EP1-WC9(0-9.8)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		111995		
42	16.3	13.5	20.3		
71	27.2	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

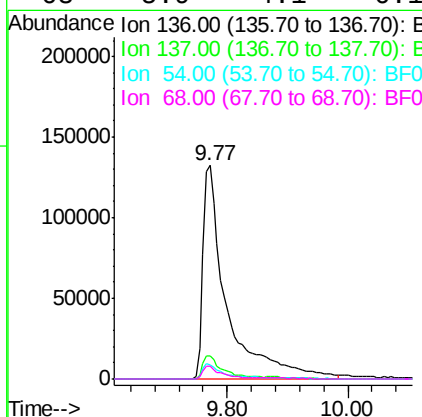
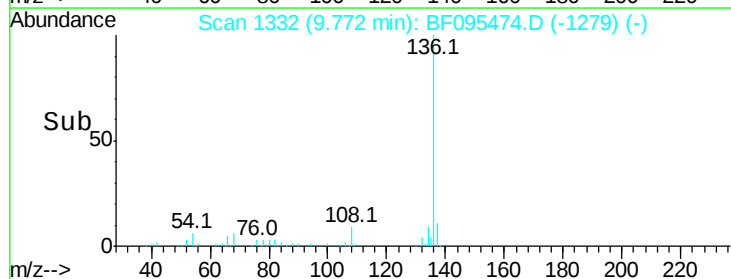
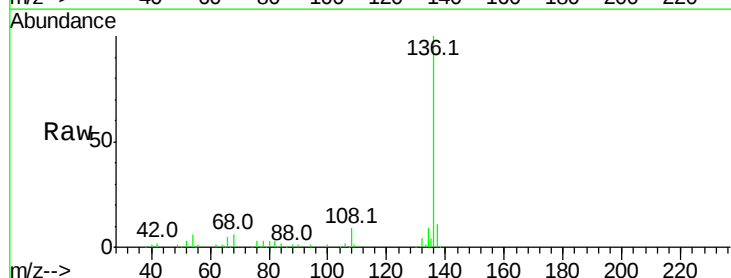
RT: 9.77 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BF095474.D

Acq: 26 May 2017 22:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		365968		
137	10.5	8.5	12.7		
54	6.4	4.9	7.3		
68	5.9	4.1	6.1		





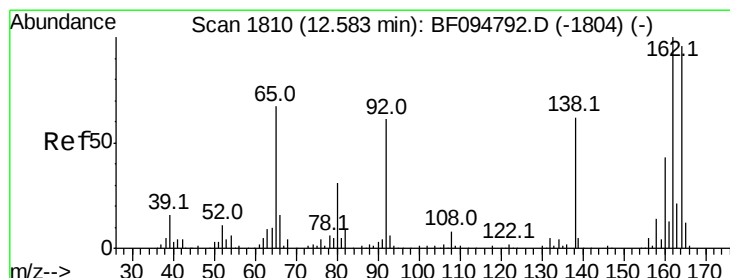
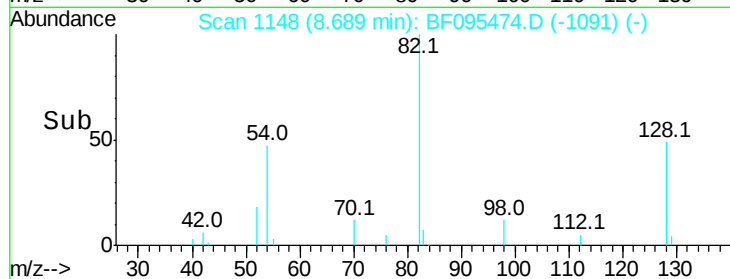
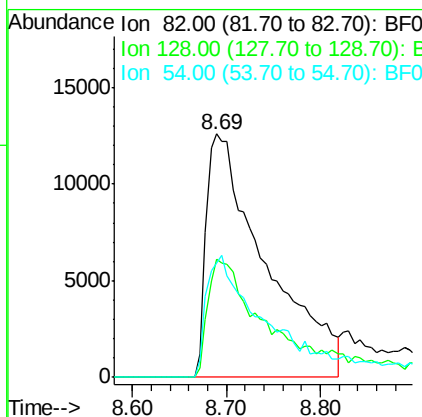
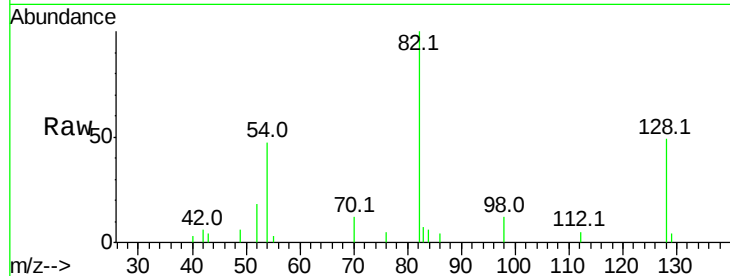
#23
 Nitrobenzene-d5
 Concen: 9.56 ng
 RT: 8.69 min Scan# 1148
 Delta R.T. 0.04 min
 Lab File: BF095474.D
 Acq: 26 May 2017 22:19

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC9(0-9.8)

Tot Ion	82	Resp	55490
Ion Ratio	100	Lower	Upper
82	100		
128	48.6	34.0	51.0
54	46.8	42.2	63.2

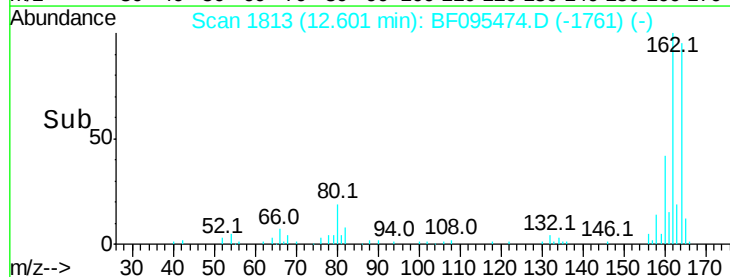
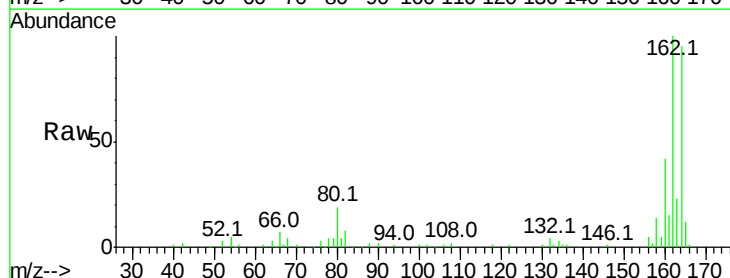
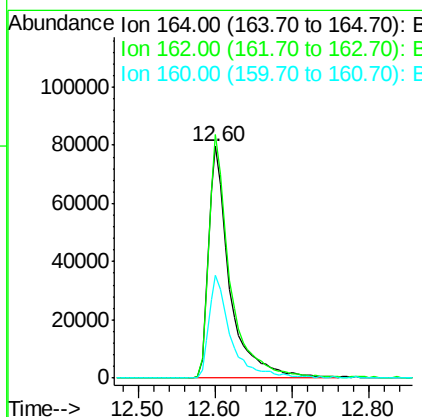
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.60 min Scan# 1813
 Delta R.T. 0.01 min
 Lab File: BF095474.D
 Acq: 26 May 2017 22:19

Tgt Ion	164	Resp	150570
Ion Ratio	100	Lower	Upper
164	100		
162	105.2	82.6	123.8
160	44.6	36.2	54.2





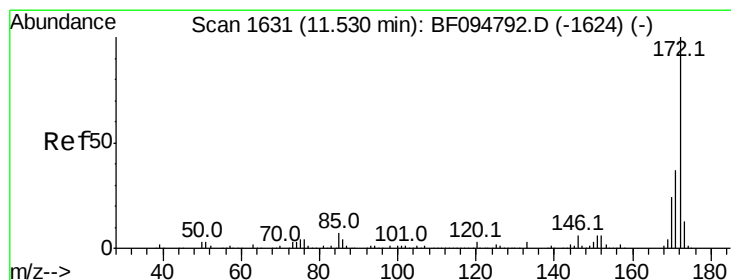
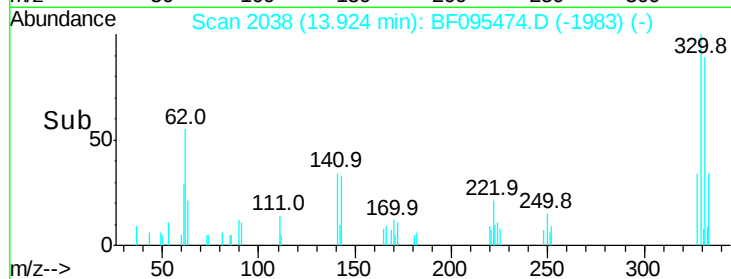
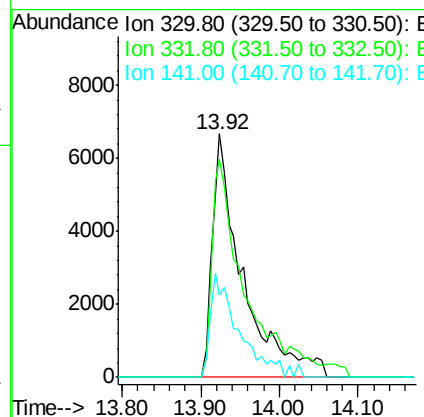
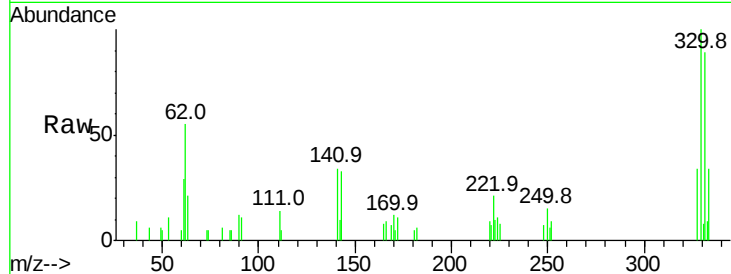
#41
 2,4,6-Tribromophenol
 Concen: 14.39 ng/ml
 RT: 13.92 min Scan# 2038
 Delta R.T. 0.02 min
 Lab File: BF095474.D
 Acq: 26 May 2017 22:19

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC9(0-9.8)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	115.0
141	39.3	31.4	47.2

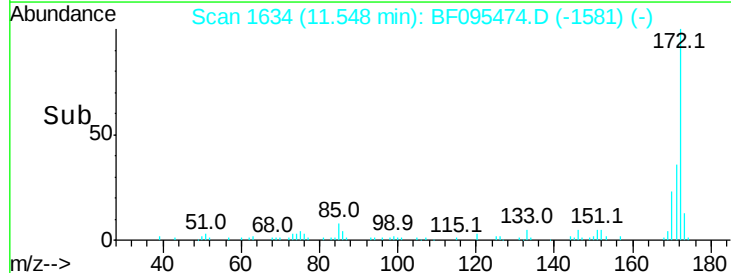
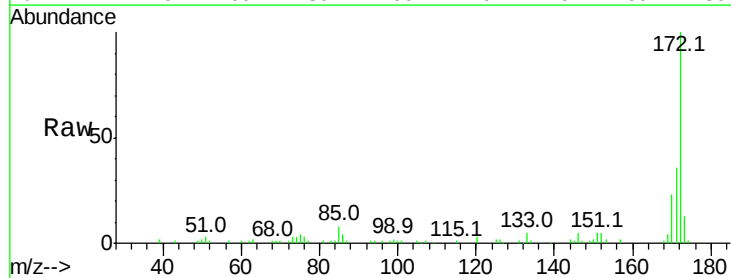
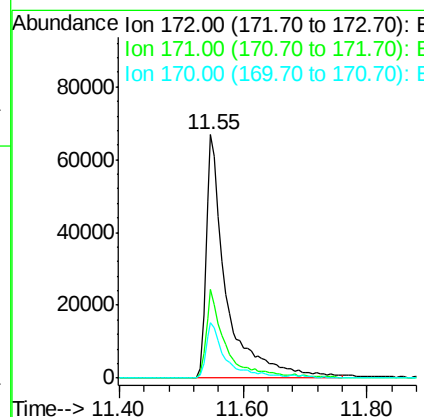
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#44
 2-Fluorobiphenyl
 Concen: 14.66 ng
 RT: 11.55 min Scan# 1634
 Delta R.T. 0.01 min
 Lab File: BF095474.D
 Acq: 26 May 2017 22:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	22.8	19.8	29.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.01 min Scan# 2222

Delta R.T. 0.01 min

Lab File: BF095474.D

Acq: 26 May 2017 22:19

Instrument :

BNA_F

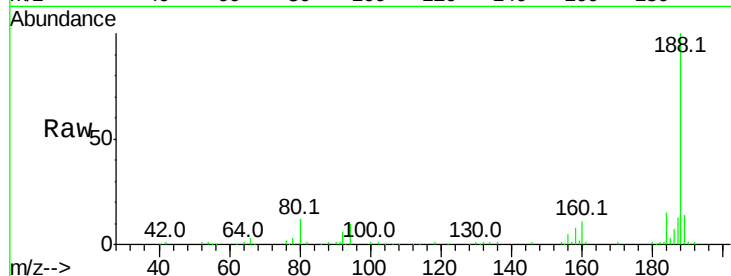
ClientSampleId :

EP1-WC9(0-9.8)

Tot Ion:	188	Resp:	219569
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.4	14.2
80	11.8	10.2	15.2

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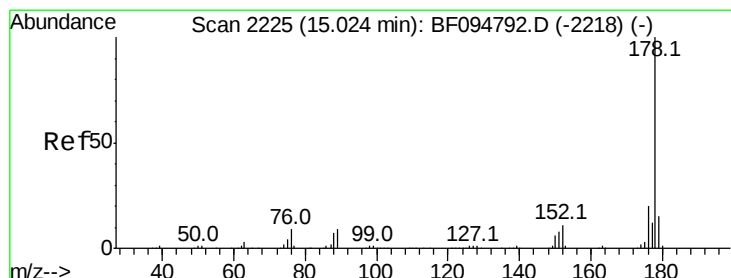
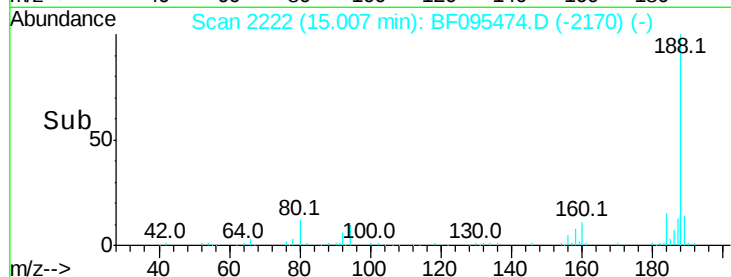
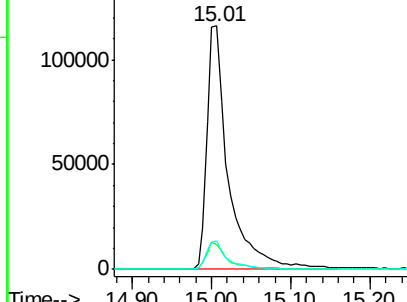
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 3.69 ng

RT: 15.04 min Scan# 2228

Delta R.T. 0.00 min

Lab File: BF095474.D

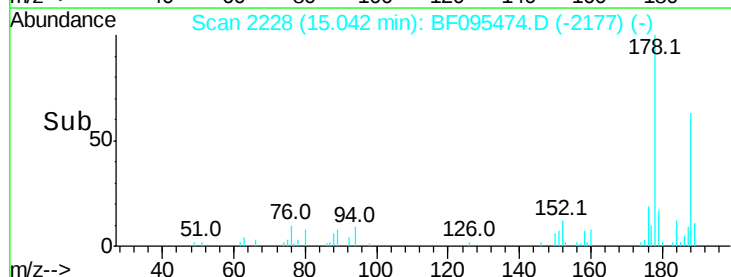
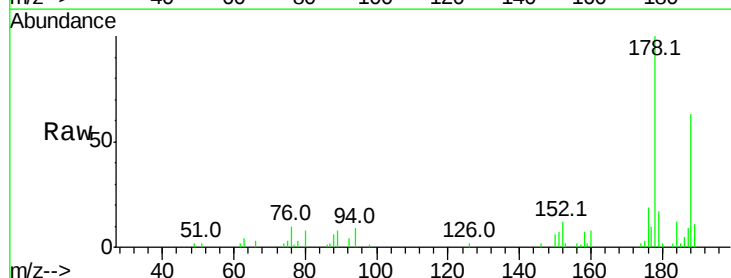
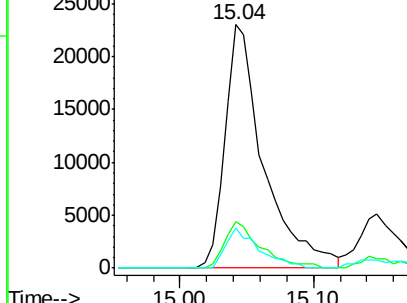
Acq: 26 May 2017 22:19

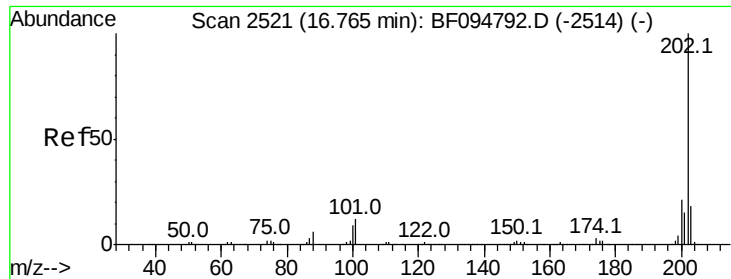
Tgt Ion:	178	Resp:	46574
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	16.7	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





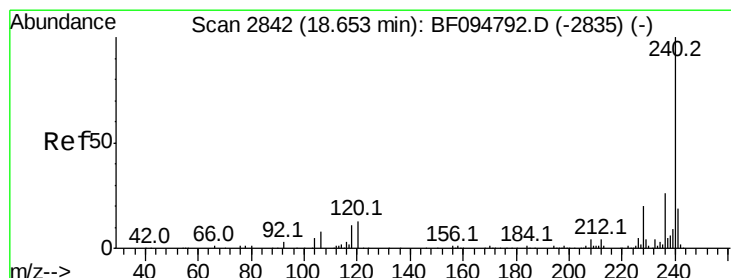
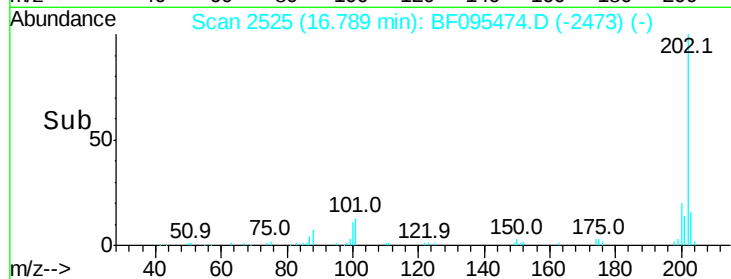
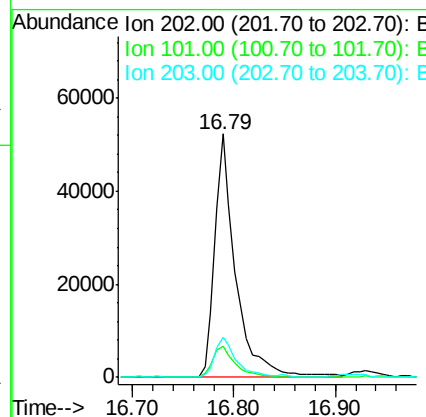
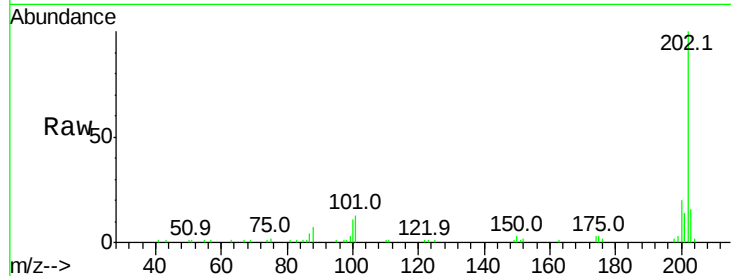
#74
 Fluoranthene
 Concen: 5.81 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. 0.01 min
 Lab File: BF095474.D
 Acq: 26 May 2017 22:19

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC9(0-9.8)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	75235		
101	12.9	0.0	33.2	
203	16.4	0.0	38.1	

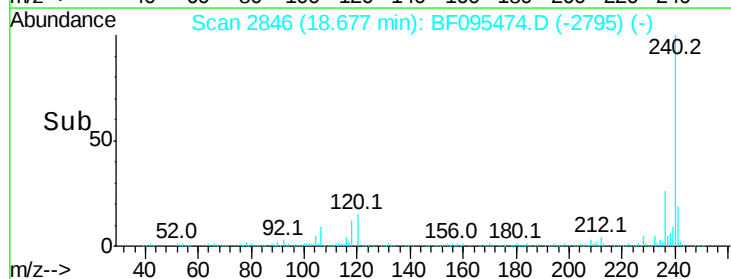
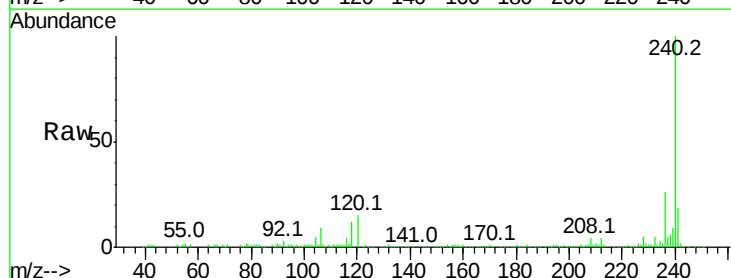
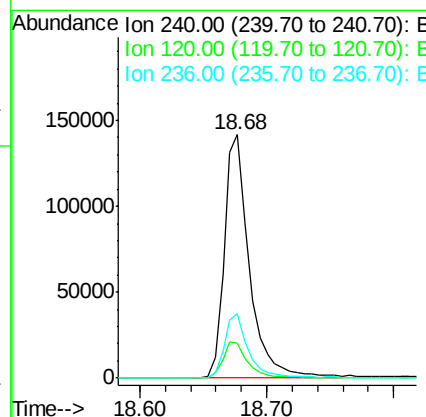
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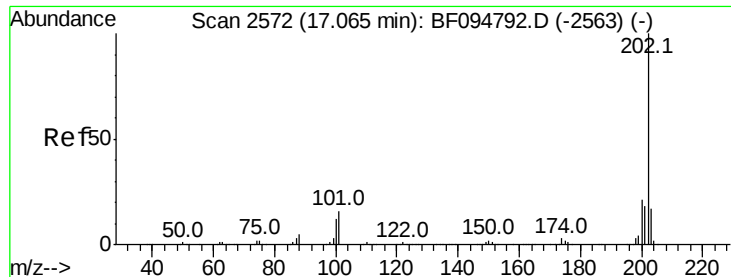
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2846
 Delta R.T. 0.00 min
 Lab File: BF095474.D
 Acq: 26 May 2017 22:19

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	194832		
120	14.6	5.8	8.8#	
236	26.3	20.5	30.7	





#77

Pvrene

Concen: 4.87 ng

RT: 17.09 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BF095474.D

Acq: 26 May 2017 22:19

Instrument :

BNA_F

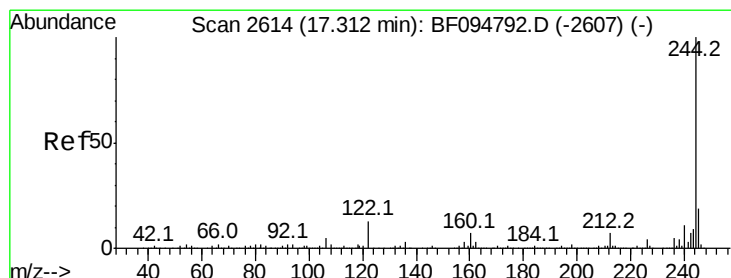
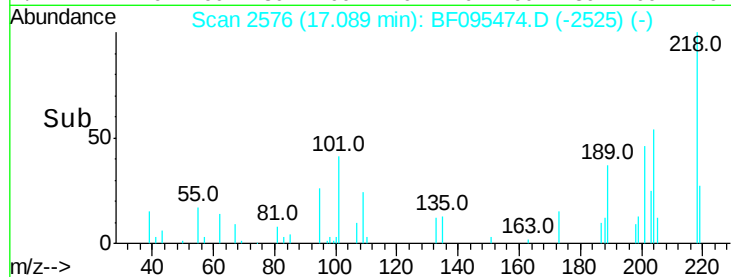
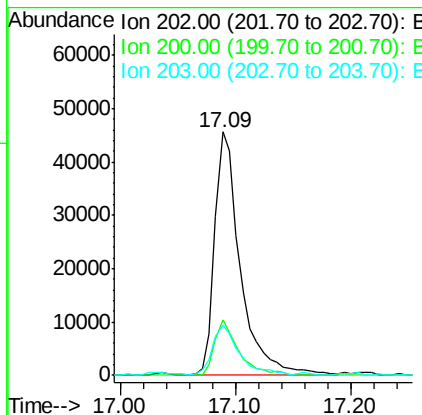
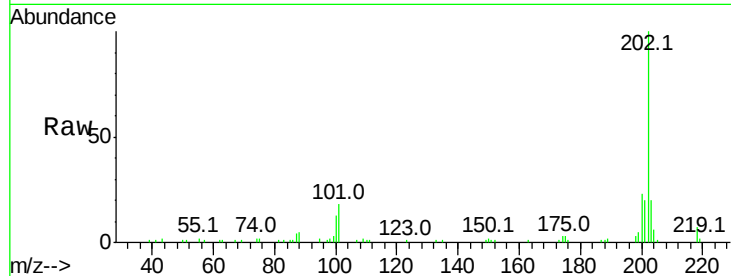
ClientSampleId :

EP1-WC9(0-9.8)

Tot Ion:	202	Resp:	70903
Ion Ratio	Lower	Upper	
202	100		
200	22.7	17.6	26.4
203	20.5	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 10.71 ng

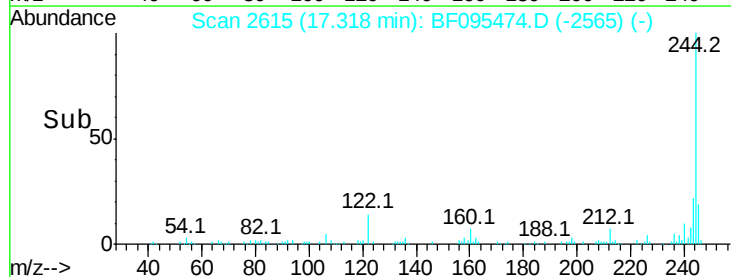
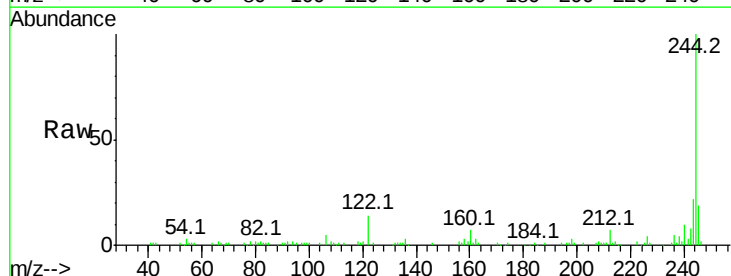
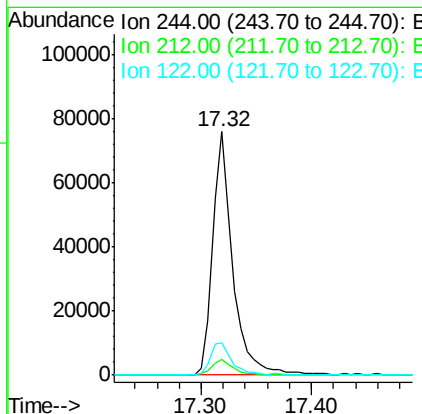
RT: 17.32 min Scan# 2615

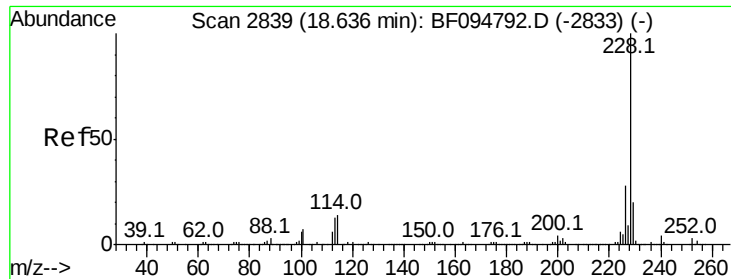
Delta R.T. -0.01 min

Lab File: BF095474.D

Acq: 26 May 2017 22:19

Tgt Ion:	244	Resp:	94772
Ion Ratio	Lower	Upper	
244	100		
212	6.5	6.0	9.0
122	13.5	10.3	15.5





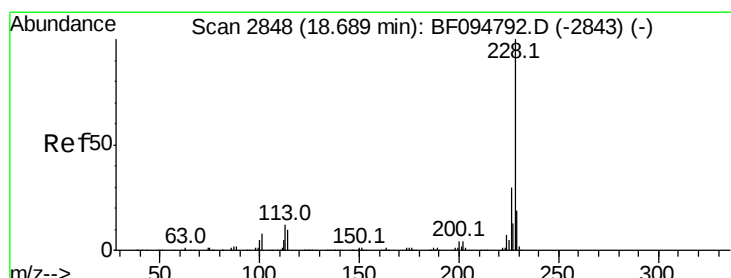
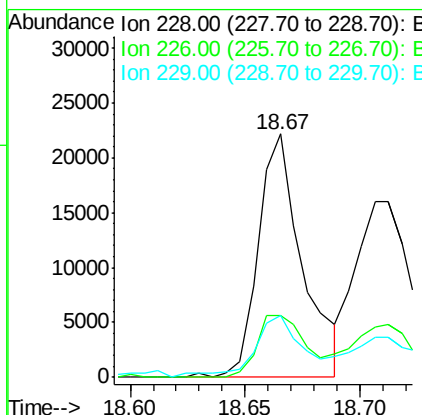
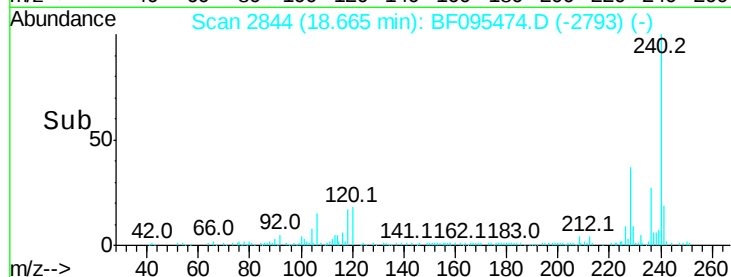
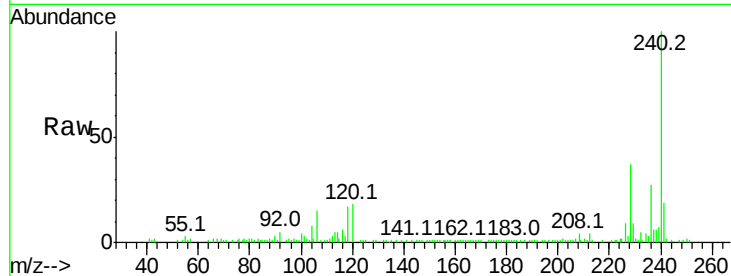
#80
Benzo(a)anthracene
Concen: 2.61 ng/mL
RT: 18.67 min Scan# 2844
Delta R.T. 0.00 min
Lab File: BF095474.D
Acq: 26 May 2017 22:19

Instrument :
BNA_F
ClientSampleId :
EP1-WC9(0-9.8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.4	22.6	33.8
229	25.5	16.3	24.5

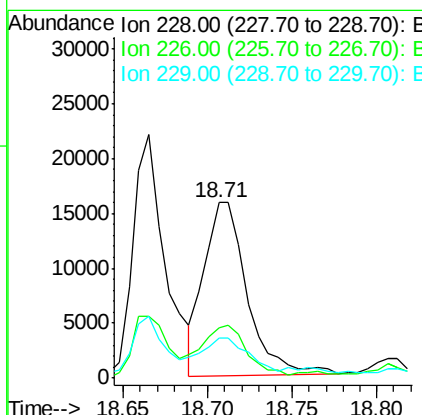
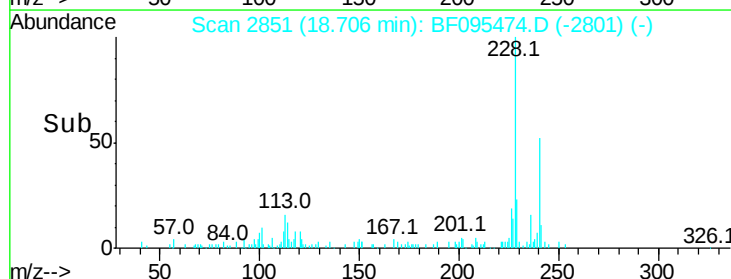
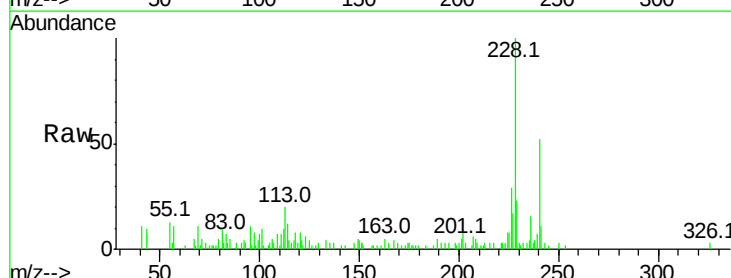
Manual Integrations
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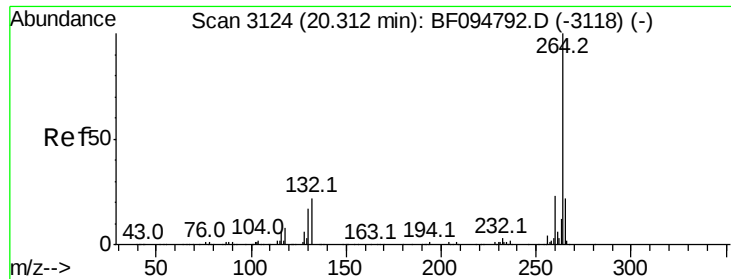
mohammad
5/30/2017 1:37:03 PM



#82
Chrysene
Concen: 2.57 ng/mL
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095474.D
Acq: 26 May 2017 22:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	22.9	15.8	23.6





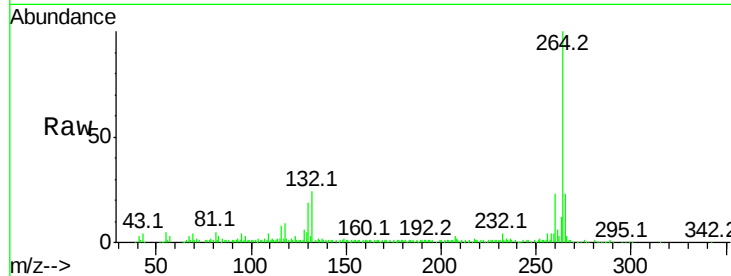
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095474.D
Acq: 26 May 2017 22:19

Instrument :
BNA_F
ClientSampled :
EP1-WC9(0-9.8)

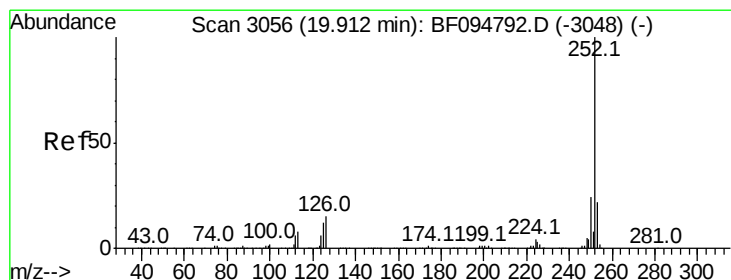
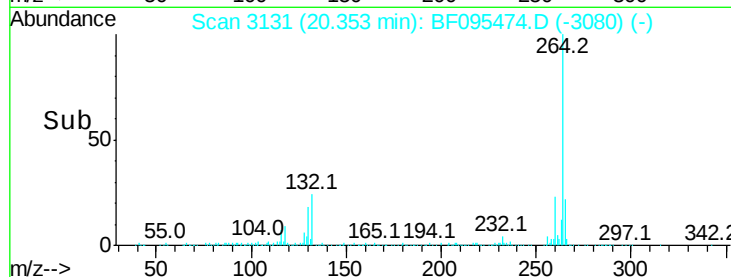
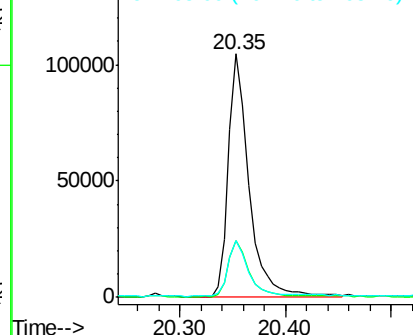
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	23.1	17.2	25.8

Manual Integrations
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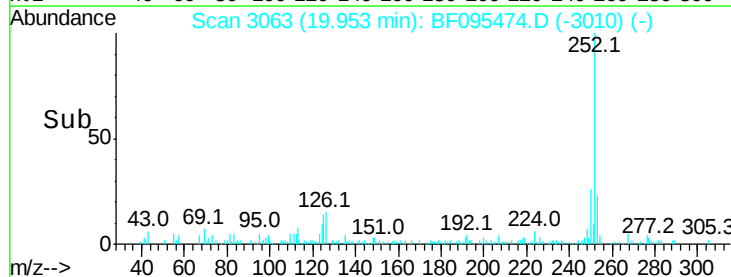
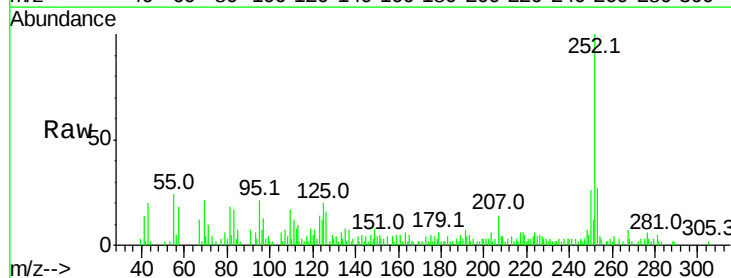
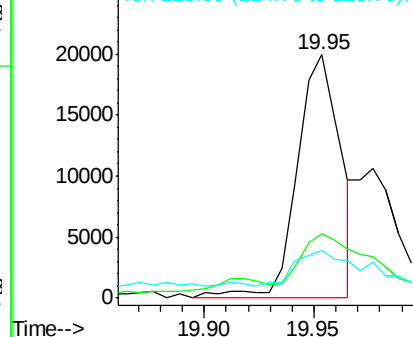
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

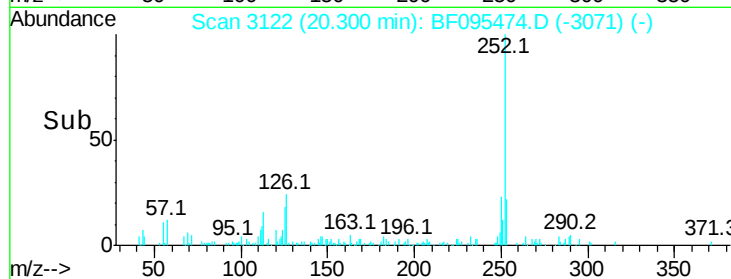
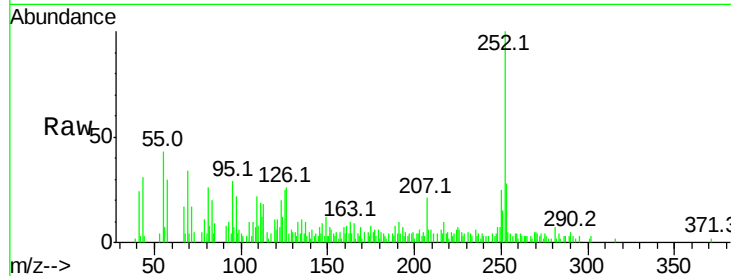
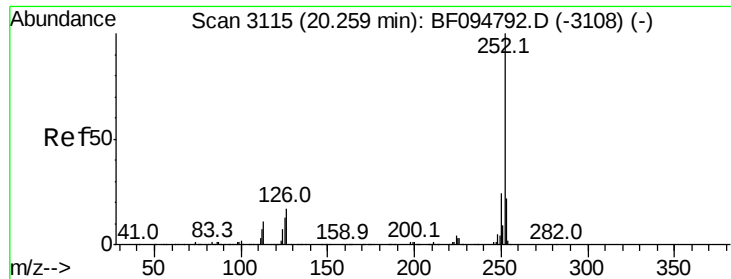


#87
Benzo(b)fluoranthene
Concen: 3.03 ng m
RT: 19.95 min Scan# 3063
Delta R.T. 0.01 min
Lab File: BF095474.D
Acq: 26 May 2017 22:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.1	27.1
125	19.7	9.8	14.8#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.34 ng

RT: 20.30 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BF095474.D

Acq: 26 May 2017 22:19

Instrument :

BNA_F

ClientSampleId :

EP1-WC9(0-9.8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.5	26.3#
125	24.6	11.0	16.4#

Manual Integrations
APPROVED

mohammad
5/30/2017 1:37:03 PM

