

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050517\
 Data File : BF094949.D
 Acq On : 6 May 2017 8:33
 Operator : SJ/MA
 Sample : I2970-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-UV10-ESW

Manual Integrations
 APPROVED

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5/8/2017 2:48:48 PM

Quant Time: May 08 02:03:41 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	7.72	152	101574	20.00	ng	-0.01
21) Naphthalene-d8	9.74	136	401309	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	184238	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	325239	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	239398	20.00	ng	-0.02
86) Perylene-d12	20.30	264	181672	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	602381	98.87	ng	-0.01
7) Phenol-d6	7.26	99	778781	106.54	ng	-0.02
23) Nitrobenzene-d5	8.62	82	489191	76.87	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	149832	99.30	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	986364	77.06	ng	-0.02
78) Terphenyl-d14	17.29	244	762783	70.18	ng	-0.02
Target Compounds						
49) Dimethylphthalate	12.21	163	175154	11.58	ng	Qvalue # 98
87) Benzo(b)fluoranthene	19.91	252	40201m	3.58	ng	
89) Benzo(a)pyrene	20.25	252	22548	2.18	ng	99
91) Benzo(g,h,i)perylene	21.99	276	16824	2.00	ng	# 95

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

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ALS Vial : 29 Sample Multiplier: 1

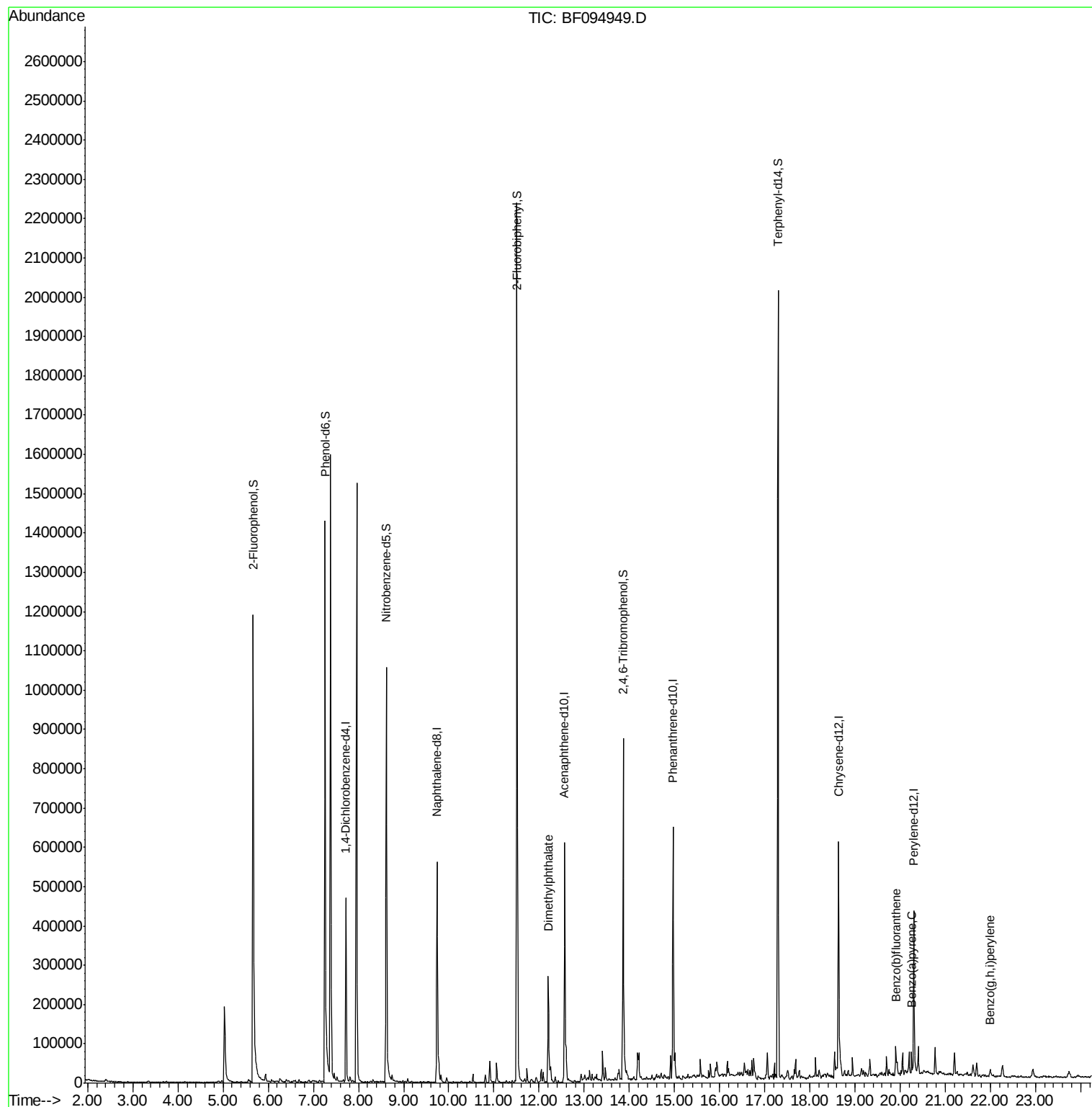
Instrument :
BNA_F
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QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

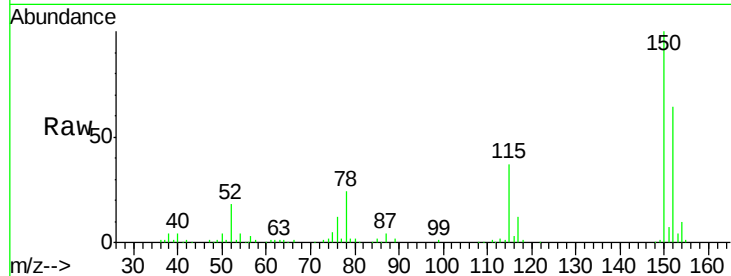
Instrument :
BNA_F
ClientSampleId :
E2-UV10-ESW

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	58.0	52.2	78.2

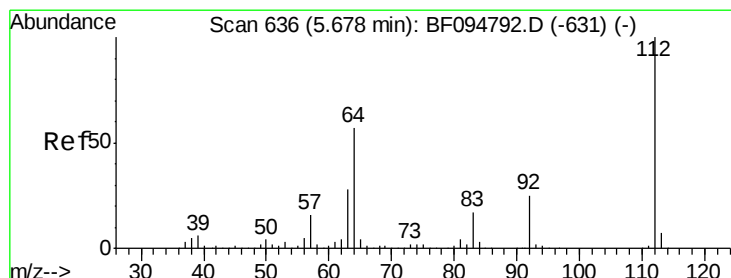
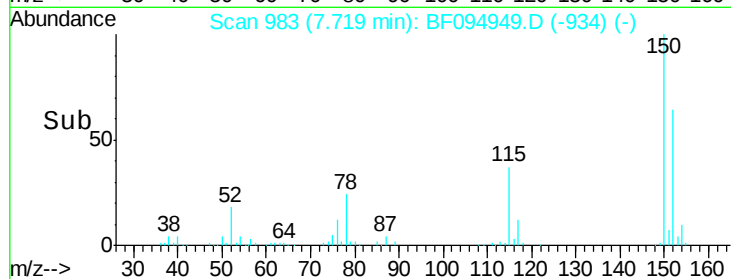
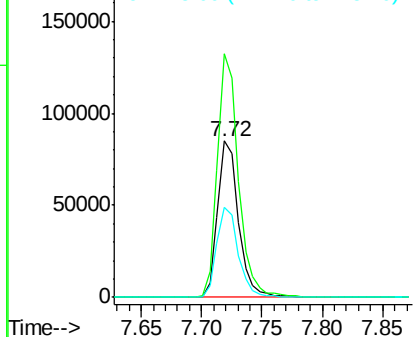
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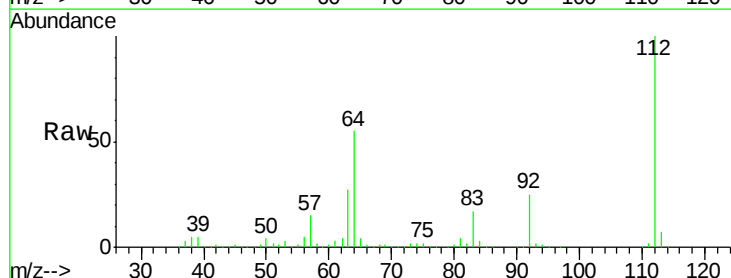
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



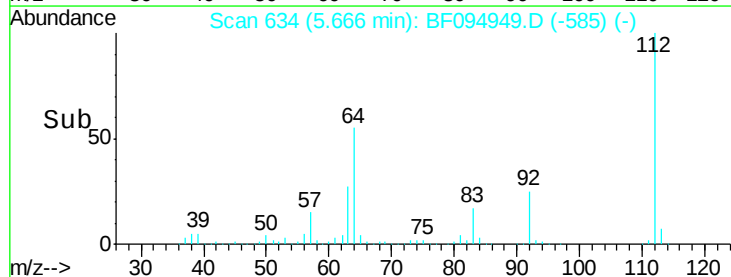
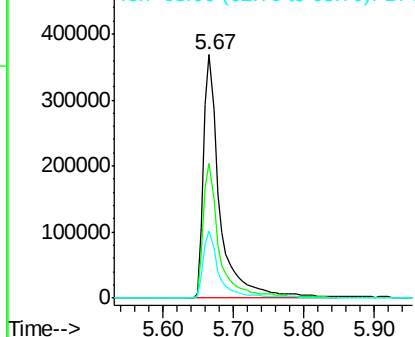
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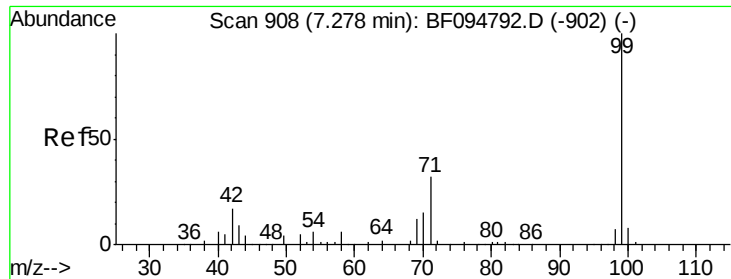
2-Fluorophenol
Concen: 98.87 ng
RT: 5.67 min Scan# 634
Delta R.T. -0.01 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	46.0	69.0
63	27.4	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: 106.54 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF094949.D

Acq: 6 May 2017 8:33

Instrument :

BNA_F

ClientSampleId :

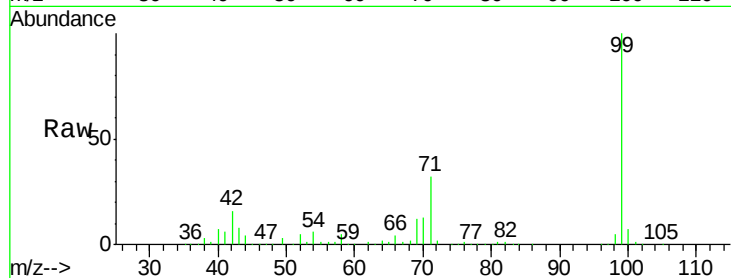
E2-UV10-ESW

Tgt Ion:	99	Resp:	778781
Ion Ratio	Lower	Upper	
99	100		
42	16.1	13.5	20.3
71	32.0	24.5	36.7

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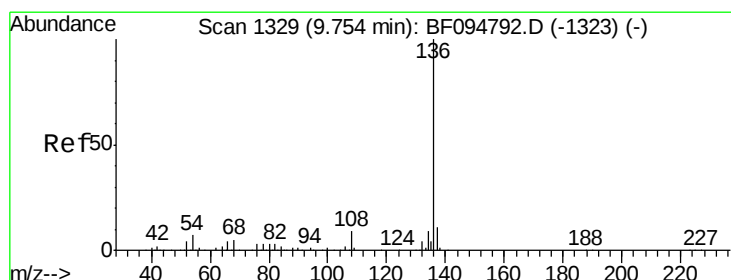
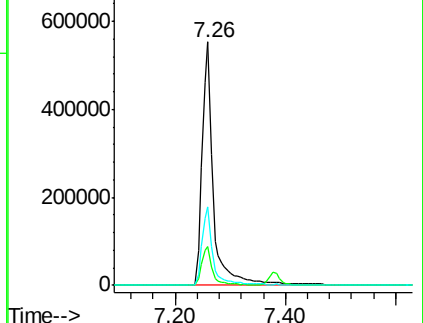
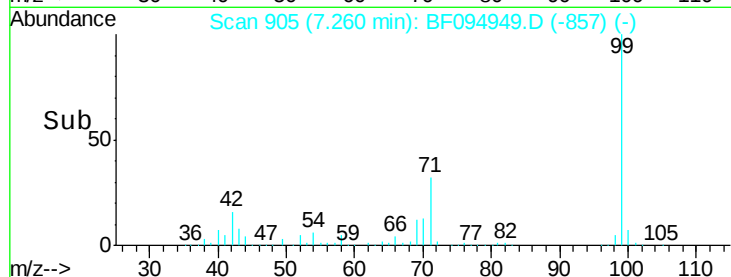
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

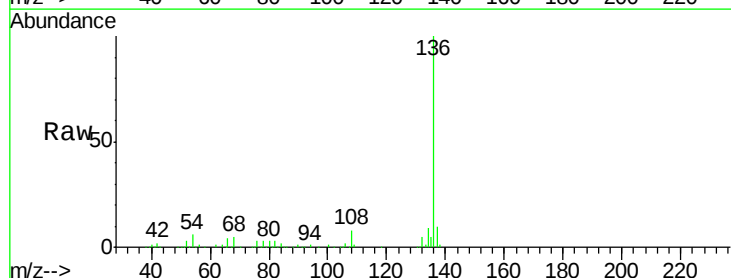
RT: 9.74 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF094949.D

Acq: 6 May 2017 8:33

Tgt Ion:	136	Resp:	401309
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.5	12.7
54	6.1	4.9	7.3
68	5.2	4.1	6.1

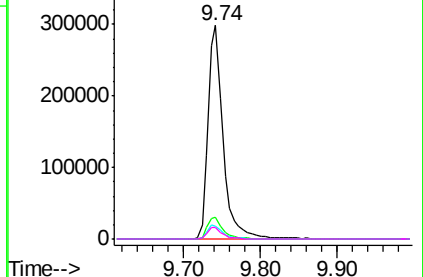
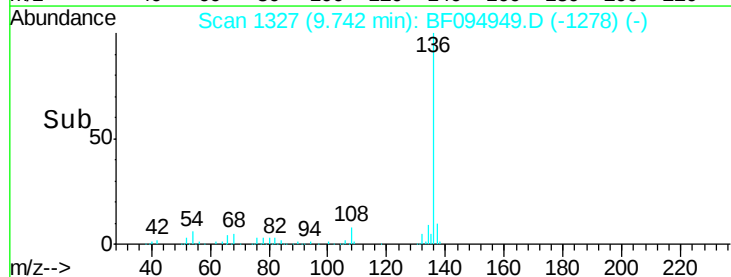


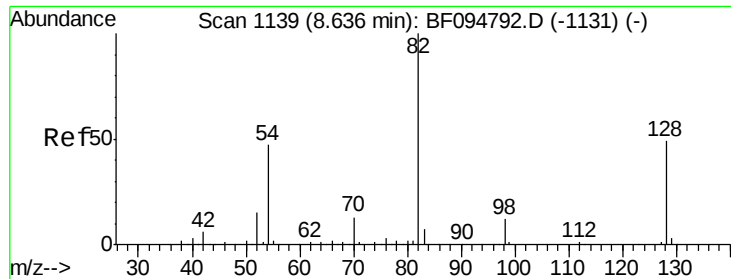
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23
 Nitrobenzene-d5
 Concen: 76.87 ng
 RT: 8.62 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: BF094949.D
 Acq: 6 May 2017 8:33

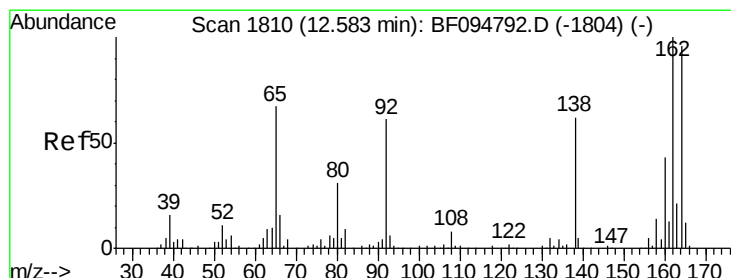
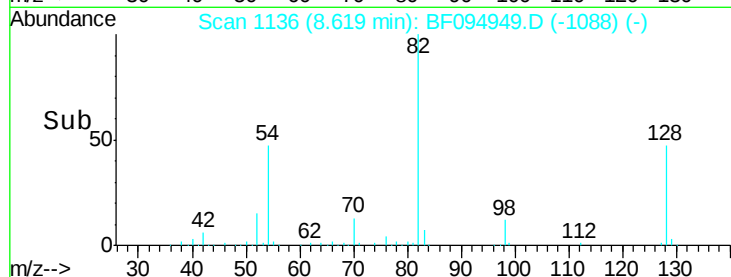
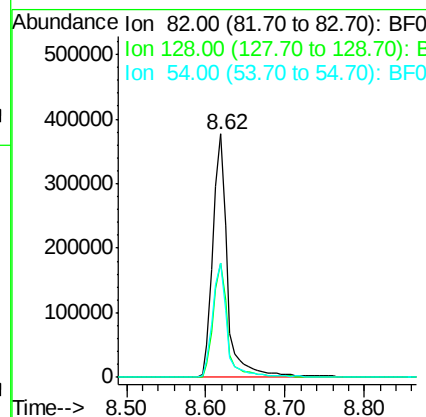
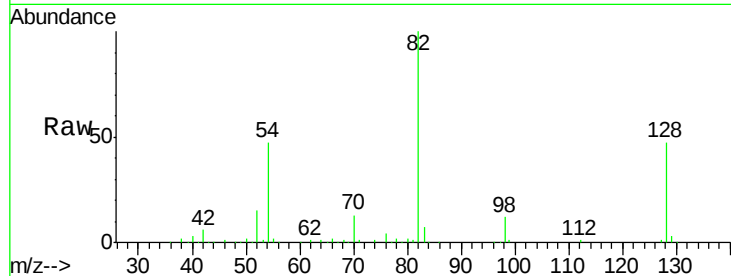
Instrument :
 BNA_F
 ClientSampleId :
 E2-UV10-ESW

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	46.9	34.0	51.0
54	46.9	42.2	63.2

Manual Integrations
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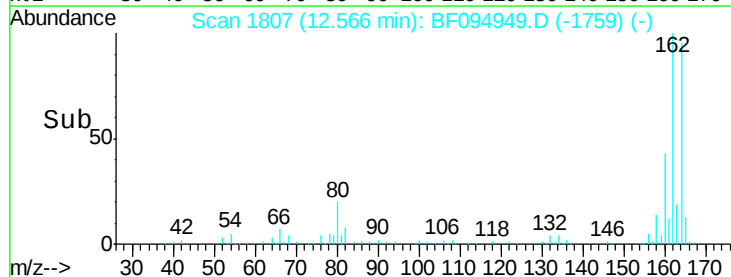
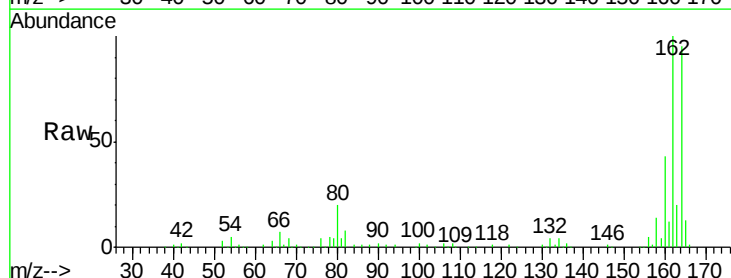
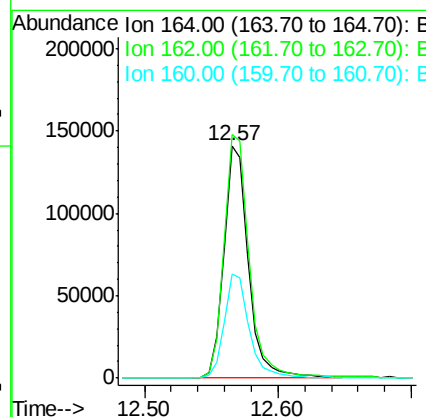
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.57 min Scan# 1807
 Delta R.T. -0.02 min
 Lab File: BF094949.D
 Acq: 6 May 2017 8:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	104.8	82.6	123.8
160	45.0	36.2	54.2





#41
 2,4,6-Tribromophenol
 Concen: 99.30 ng
 RT: 13.87 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF094949.D
 Acq: 6 May 2017 8:33

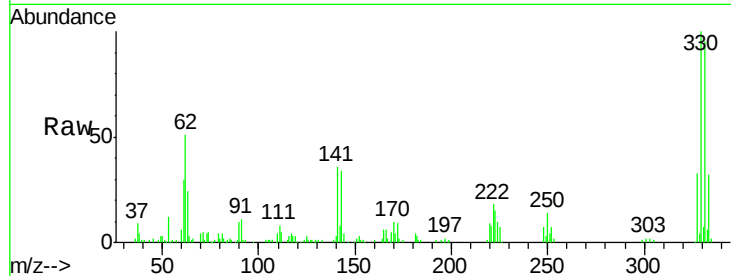
Instrument :
 BNA_F
 ClientSampleId :
 E2-UV10-ESW

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	149832		
332	96.9	76.6	115.0	
141	40.3	31.4	47.2	

Manual Integrations
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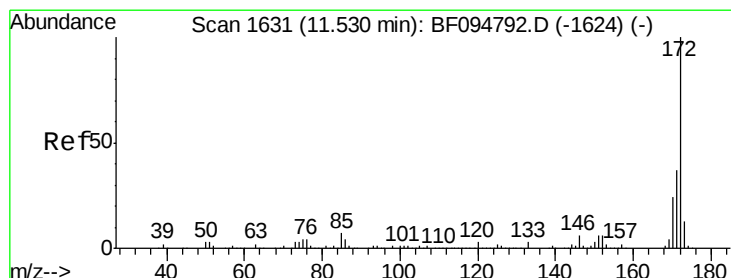
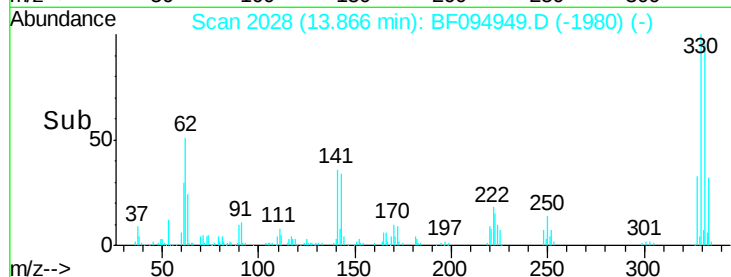
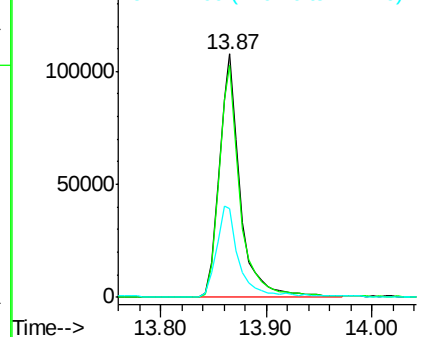


Abundance

Ion 329.80 (329.50 to 330.50): E

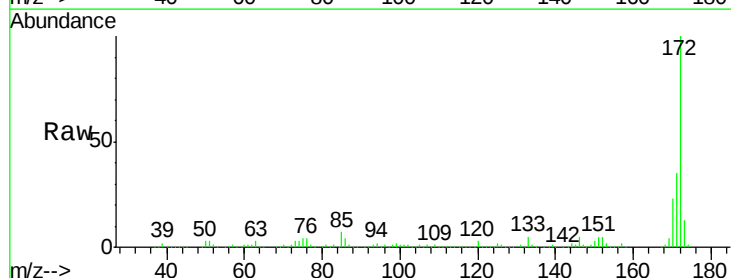
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 77.06 ng
 RT: 11.51 min Scan# 1628
 Delta R.T. -0.02 min
 Lab File: BF094949.D
 Acq: 6 May 2017 8:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	986364		
171	35.3	29.6	44.4	
170	23.5	19.8	29.8	

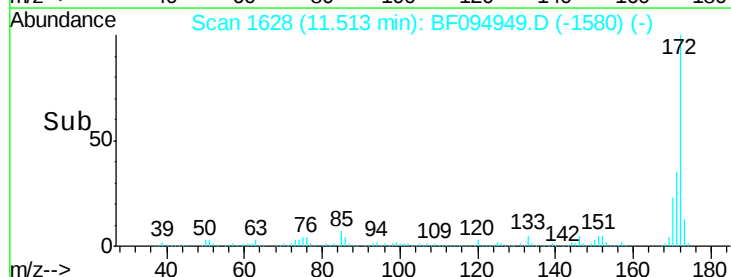
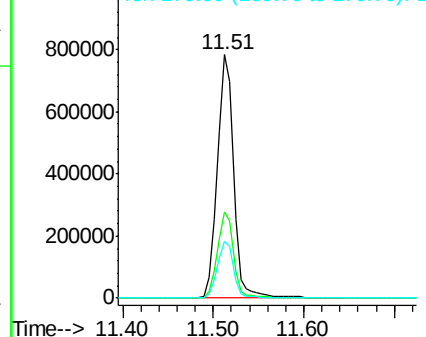


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49
Dimethylphthalate
Concen: 11.58 ng
RT: 12.21 min Scan# 1746
Delta R.T. -0.02 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

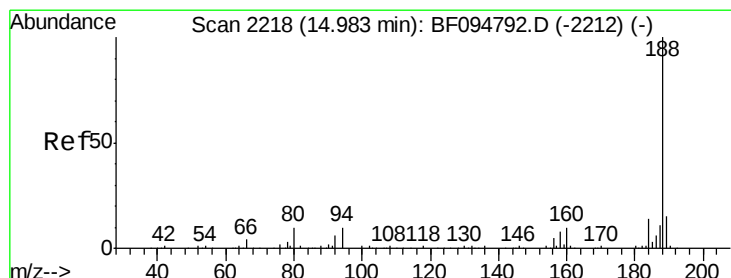
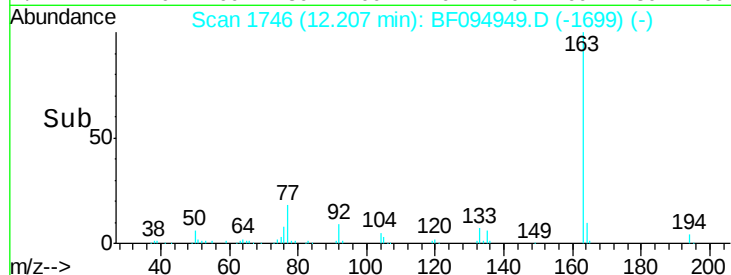
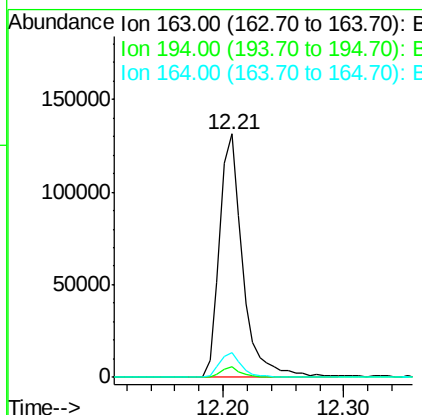
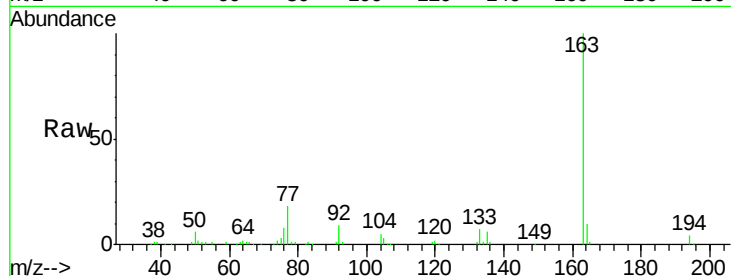
Instrument :
BNA_F
ClientSampleId :
E2-UV10-ESW

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.3	2.6	4.0#
164	9.9	8.4	12.6

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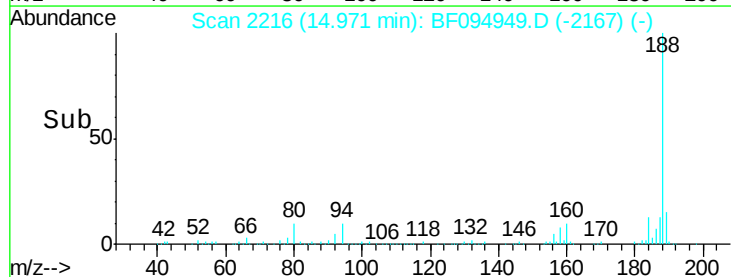
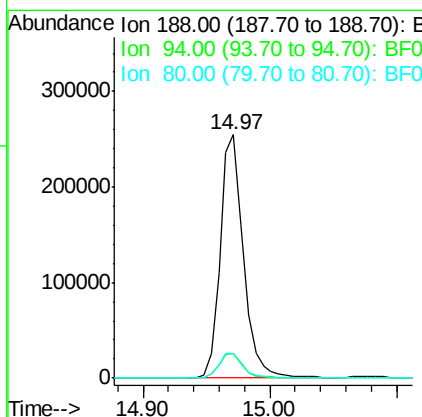
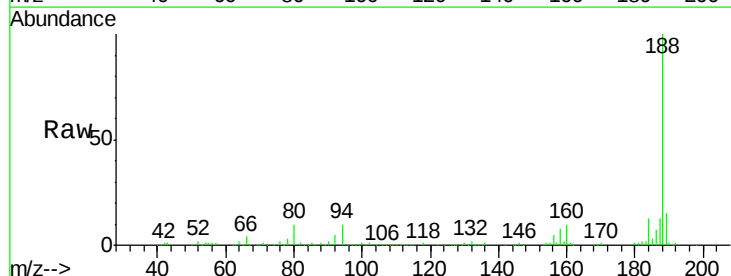
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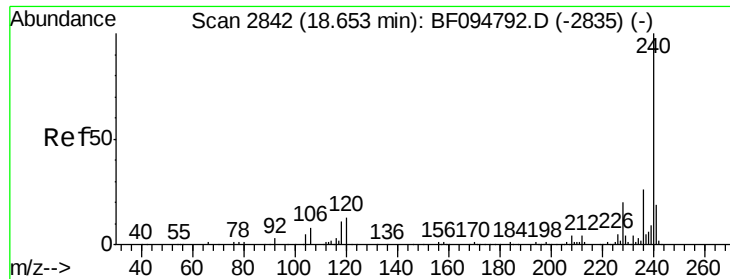
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.2	9.4	14.2
80	10.3	10.2	15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.64 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BF094949.D

Acq: 6 May 2017 8:33

Instrument :

BNA_F

ClientSampleId :

E2-UV10-ESW

Tgt Ion:240 Resp: 239398
Ion Ratio Lower Upper

240 100

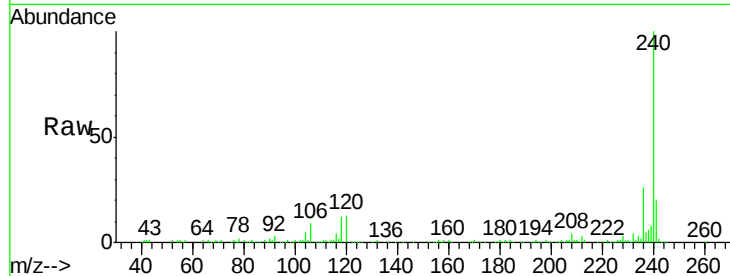
120 13.5 5.8 8.8#

236 25.5 20.5 30.7

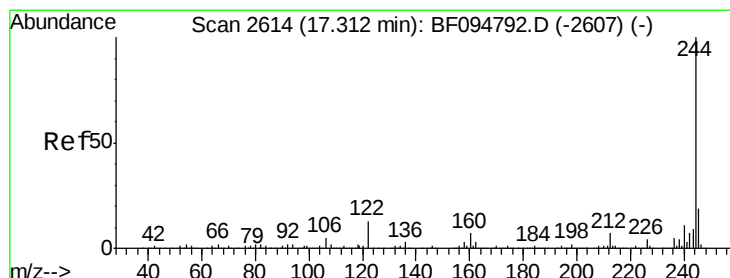
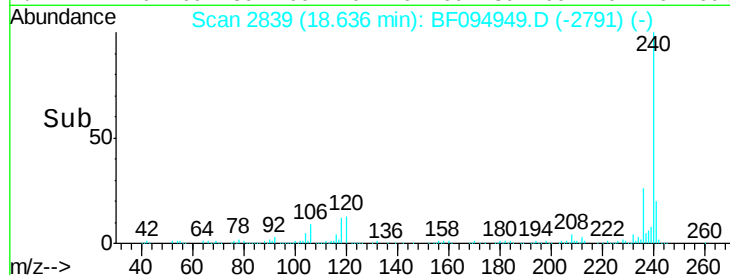
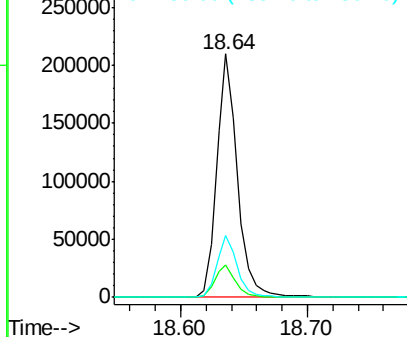
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 70.18 ng

RT: 17.29 min Scan# 2611

Delta R.T. -0.02 min

Lab File: BF094949.D

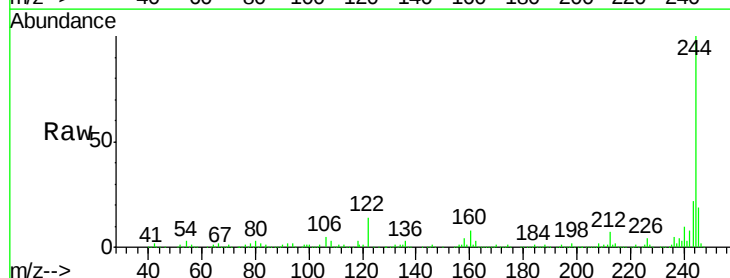
Acq: 6 May 2017 8:33

Tgt Ion:244 Resp: 762783
Ion Ratio Lower Upper

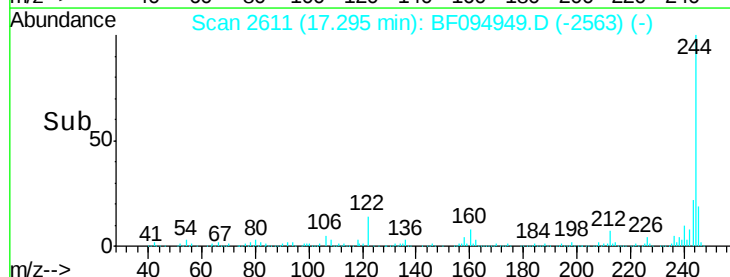
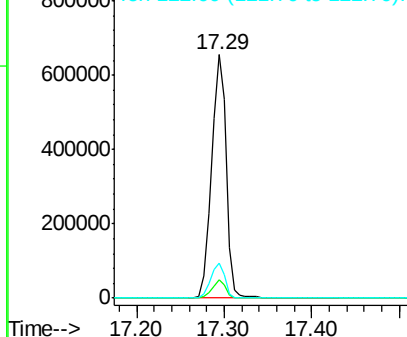
244 100

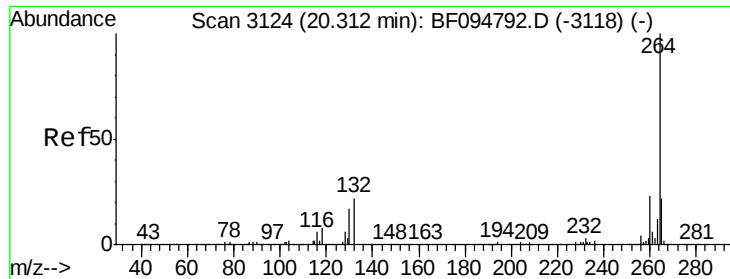
212 7.5 6.0 9.0

122 14.4 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

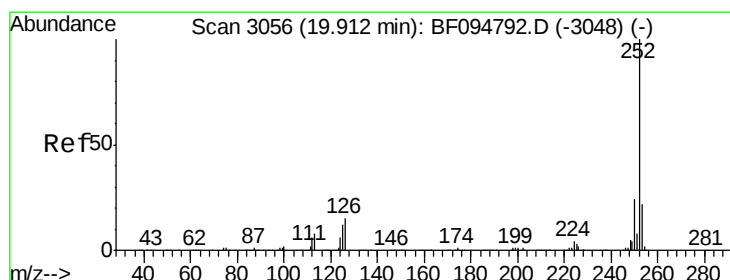
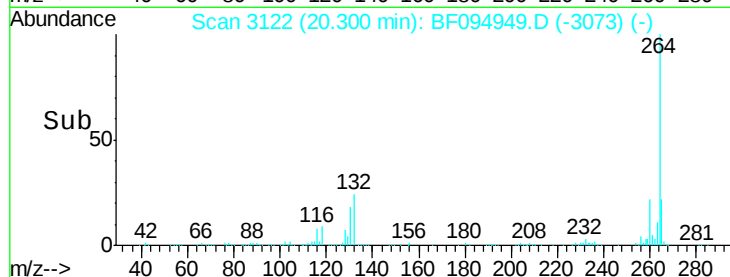
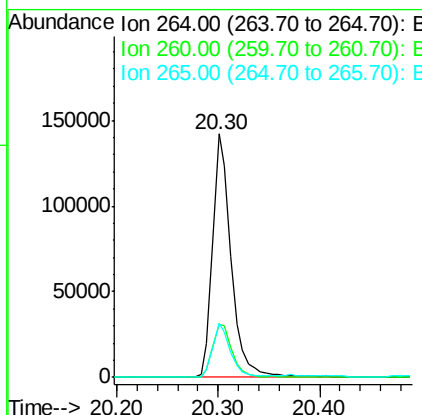
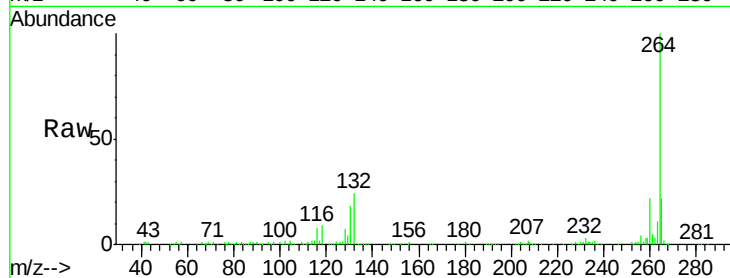
Instrument :
BNA_F
ClientSampleId :
E2-UV10-ESW

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	181672		
260	21.7	19.5	29.3	
265	22.0	17.2	25.8	

Manual Integrations
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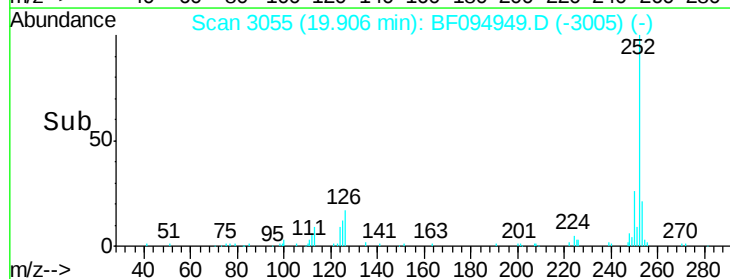
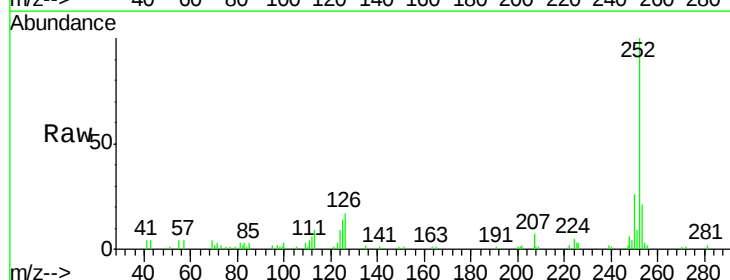
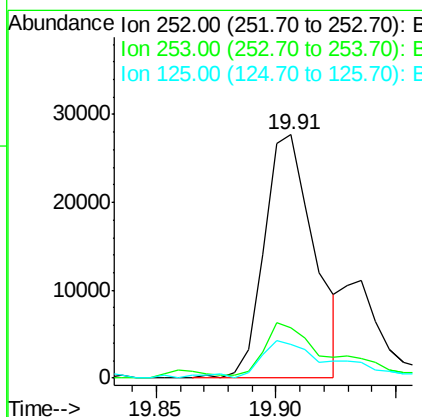
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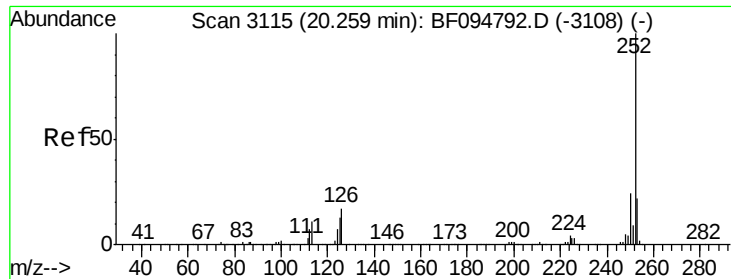
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#87
Benzo(b)fluoranthene
Concen: 3.58 ng m
RT: 19.91 min Scan# 3055
Delta R.T. -0.01 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	40201		
253	20.7	18.1	27.1	
125	13.9	9.8	14.8	





#89
Benzo(a)pyrene
Concen: 2.18 ng
RT: 20.25 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

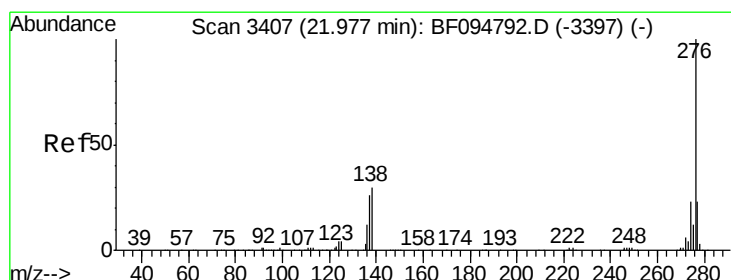
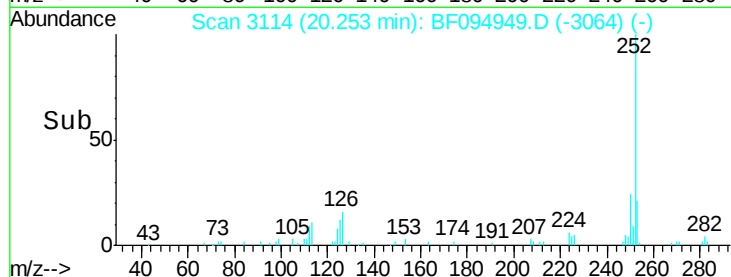
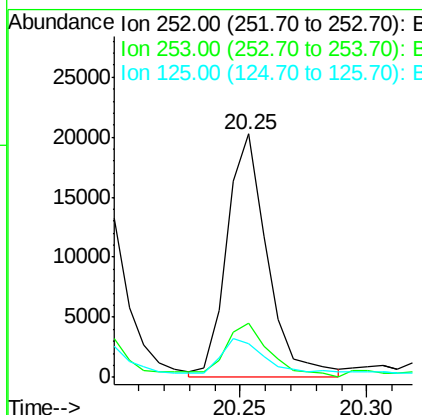
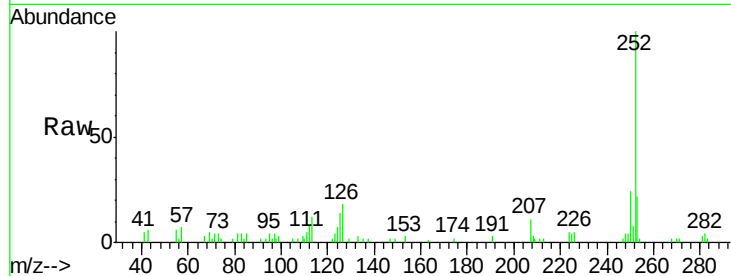
Instrument :
BNA_F
ClientSampleId :
E2-UV10-ESW

Tgt Ion:	252	Resp:	22548
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.5	26.3
125	13.9	11.0	16.4

Manual Integrations
APPROVED

mohammad

5/8/2017 2:48:48 PM



#91
Benzo(g,h,i)perylene
Concen: 2.00 ng
RT: 21.99 min Scan# 3410
Delta R.T. 0.02 min
Lab File: BF094949.D
Acq: 6 May 2017 8:33

Tgt Ion:	276	Resp:	16824
Ion Ratio		Lower	Upper
276	100		
277	18.1	18.6	28.0#
138	32.0	25.4	38.0

