

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
 Data File : BF094498.D
 Acq On : 18 Apr 2017 20:42
 Operator : SJ/MA
 Sample : I2708-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z10-ESW

Manual Integrations
 APPROVED

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 4/19/2017 1:33:29 PM

Quant Time: Apr 19 02:38:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	130252	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	515461	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	198439	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	388148	20.00	ng	0.00
75) Chrysene-d12	14.46	240	277435	20.00	ng	0.00
86) Perylene-d12	16.09	264	267635	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	817987	104.19	ng	0.02
7) Phenol-d6	5.40	99	1045261	112.93	ng	0.00
23) Nitrobenzene-d5	6.42	82	667662	79.98	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	185656	119.61	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1137067	84.31	ng	0.00
78) Terphenyl-d14	13.19	244	802134	77.28	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.41	94	34159	3.00	ng	97
31) Naphthalene	7.29	128	73742	2.98	ng	98
37) 2-Methylnaphthalene	8.13	142	47395	2.80	ng	97
49) Dimethylphthalate	9.08	163	111028	7.51	ng	99
70) Phenanthrene	11.24	178	65856	3.01	ng	97
74) Fluoranthene	12.71	202	75978	3.35	ng	98
77) Pyrene	12.98	202	76532	3.95	ng	98
80) Benzo(a)anthracene	14.45	228	53137	3.30	ng	97
82) Chrysene	14.49	228	63150m	4.29	ng	
85) Indeno(1,2,3-cd)pyrene	17.35	276	46913	3.35	ng	98
87) Benzo(b)fluoranthene	15.68	252	120323m	7.35	ng	
88) Benzo(k)fluoranthene	15.71	252	38358m	2.48	ng	
89) Benzo(a)pyrene	16.02	252	63846	4.19	ng	# 96
91) Benzo(a,h,i)perylene	17.72	276	48796	3.79	ng	97

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

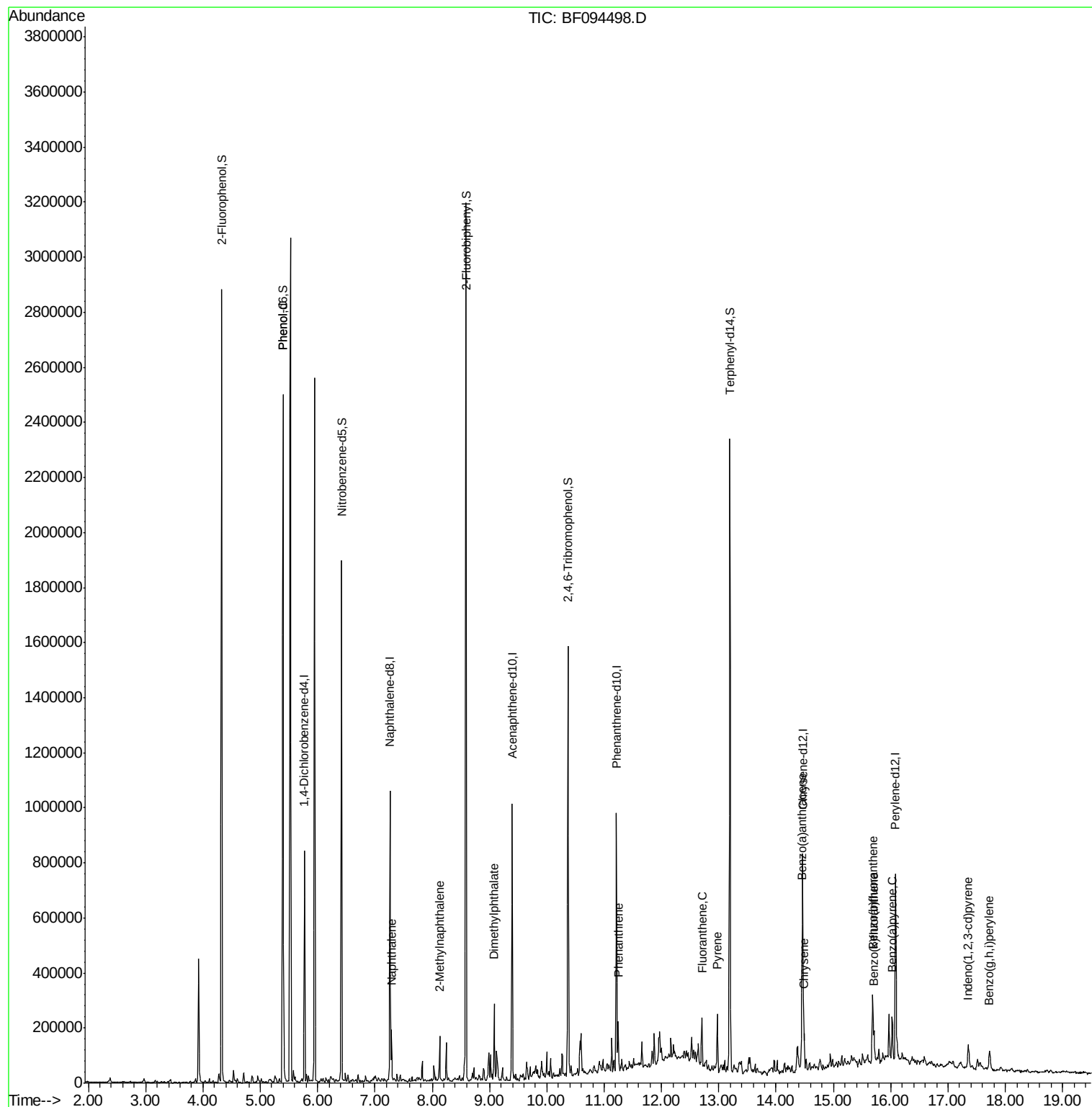
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
Data File : BF094498.D
Acq On : 18 Apr 2017 20:42
Operator : SJ/MA
Sample : I2708-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

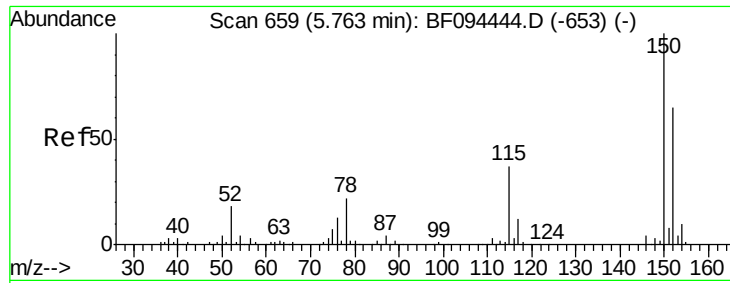
Instrument :
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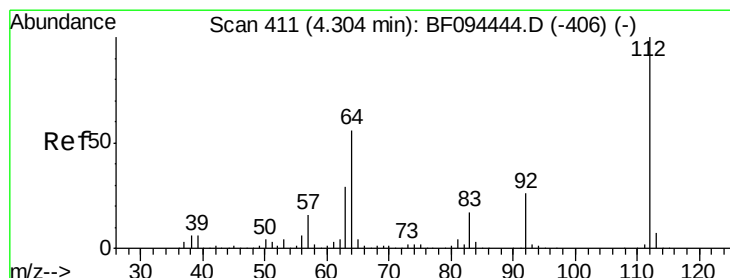
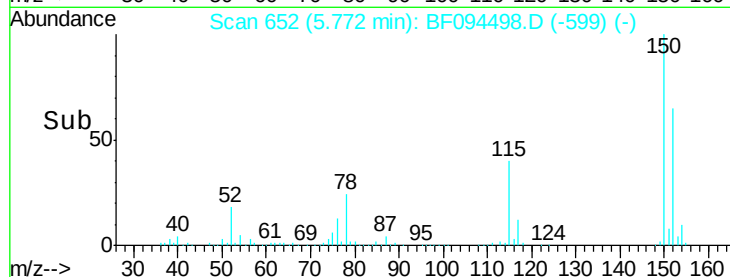
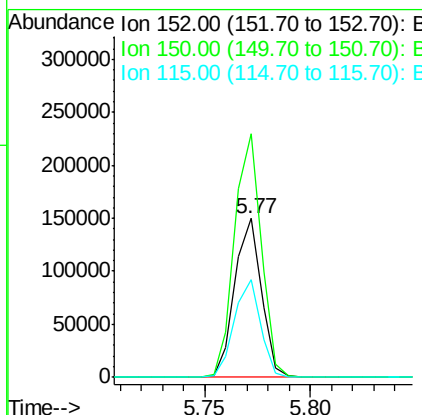
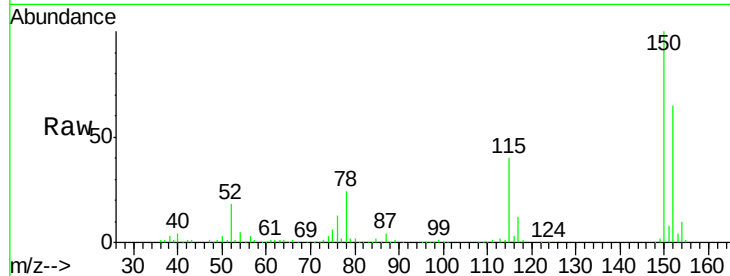
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.77 min Scan# 652
 Delta R.T. 0.01 min
 Lab File: BF094498.D
 Acq: 18 Apr 2017 20:42

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z10-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	126.2	189.2
115	61.5	52.2	78.2

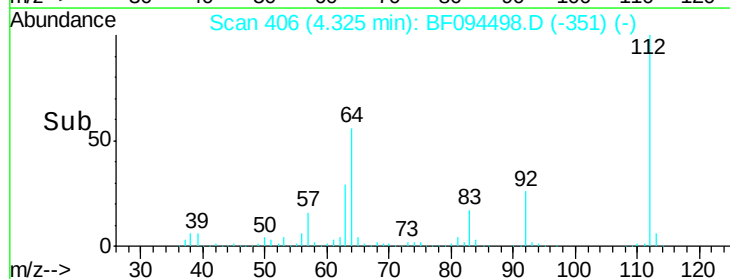
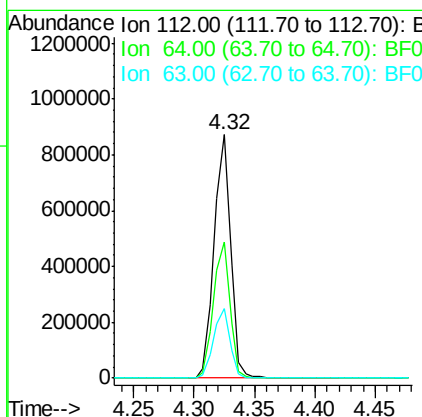
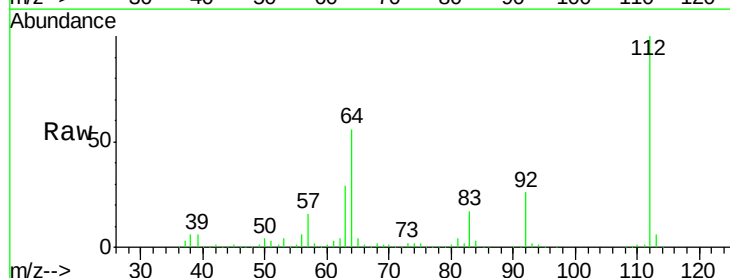
Manual Integrations
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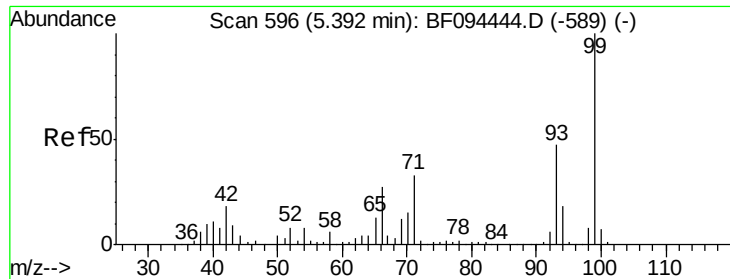
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#5
 2-Fluorophenol
 Concen: 104.19 ng
 RT: 4.32 min Scan# 406
 Delta R.T. 0.02 min
 Lab File: BF094498.D
 Acq: 18 Apr 2017 20:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	46.0	69.0
63	28.7	23.4	35.0





#7

Phenol-d6

Concen: 112.93 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094498.D

Acq: 18 Apr 2017 20:42

Instrument :

BNA_F

ClientSampleId :

E2-Z10-ESW

Tot Ion: 99 Resp: 1045261

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

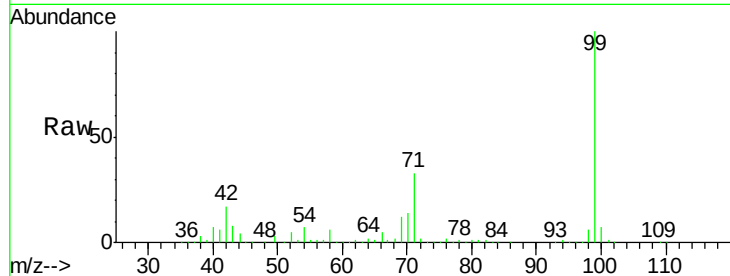
71 32.8 24.5 36.7

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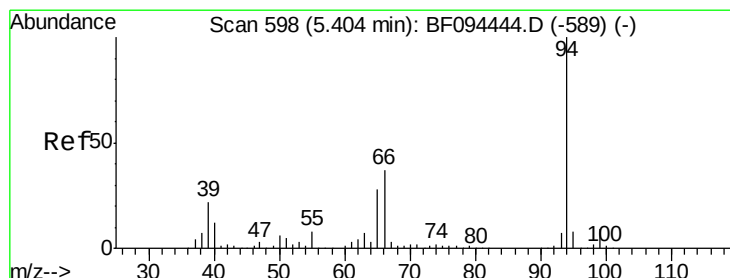
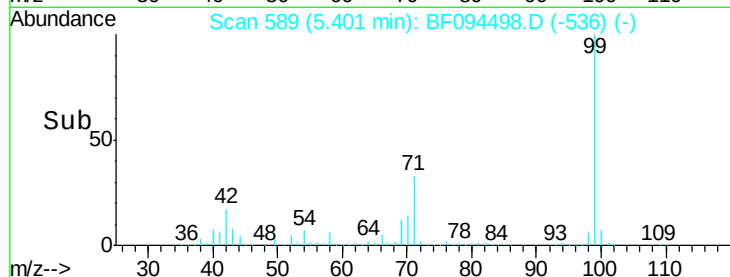
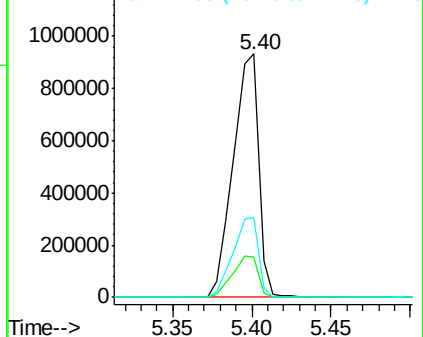
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.00 ng

RT: 5.41 min Scan# 590

Delta R.T. 0.00 min

Lab File: BF094498.D

Acq: 18 Apr 2017 20:42

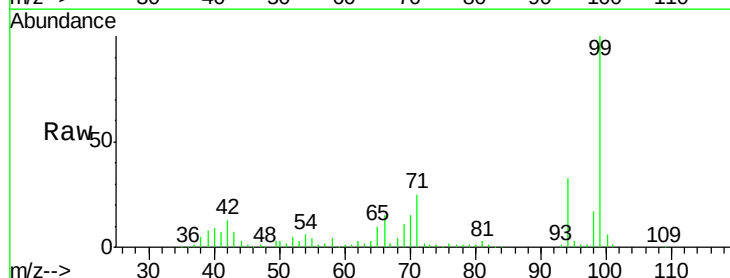
Tgt Ion: 94 Resp: 34159

Ion Ratio Lower Upper

94 100

65 31.2 9.9 49.9

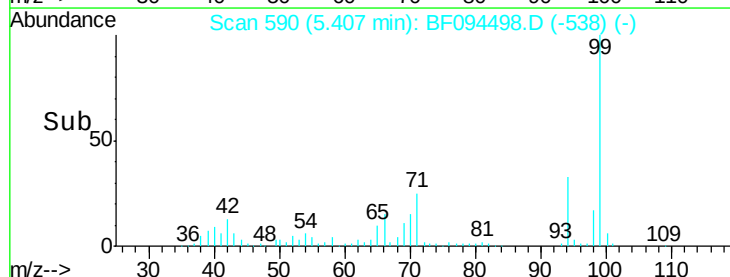
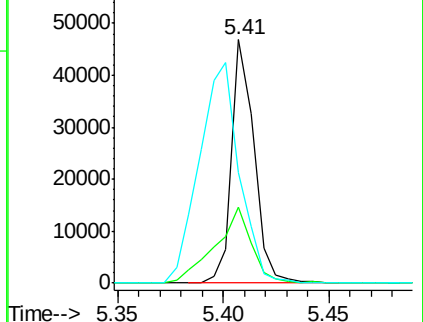
66 45.4 23.1 63.1

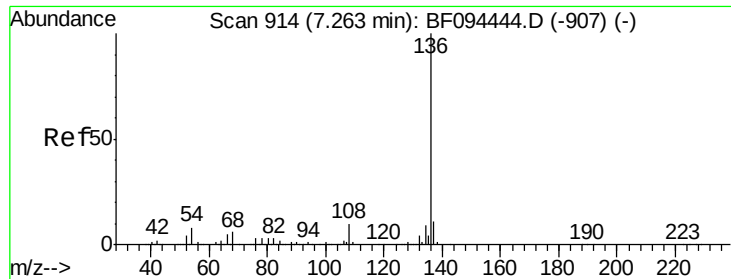


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.27 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF094498.D

Acq: 18 Apr 2017 20:42

Instrument :

BNA_F

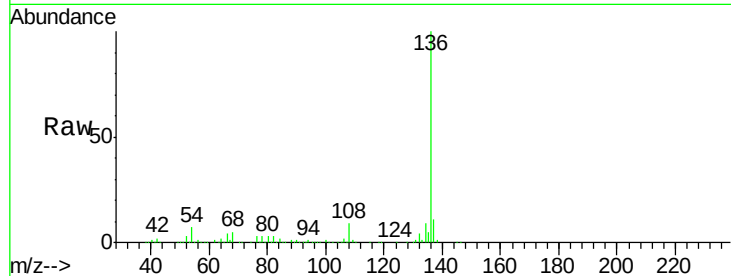
ClientSampleId :

E2-Z10-ESW

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		515461		
137	11.1		8.5	12.7	
54	7.0		4.9	7.3	
68	5.4		4.1	6.1	

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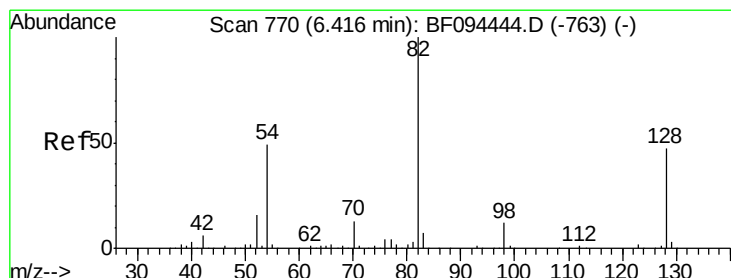
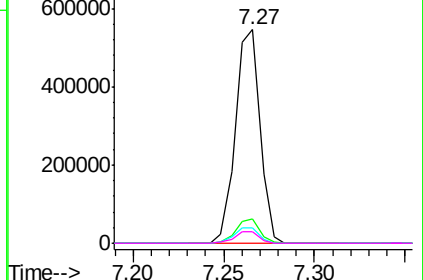
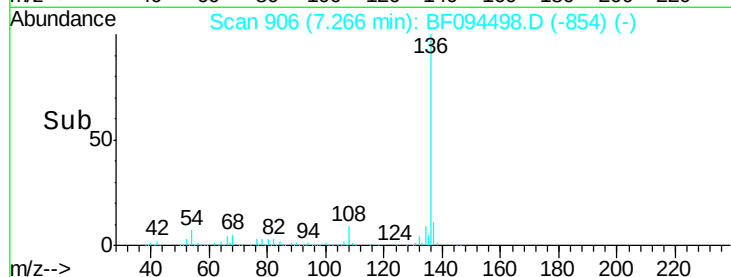


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.98 ng

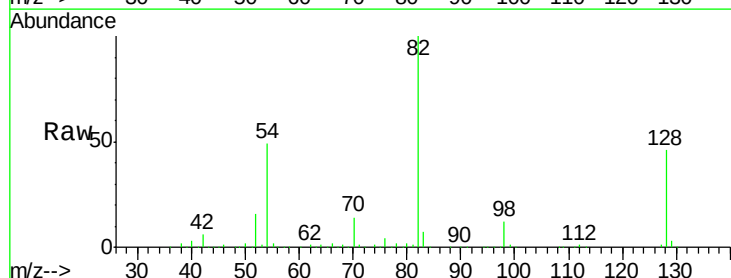
RT: 6.42 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF094498.D

Acq: 18 Apr 2017 20:42

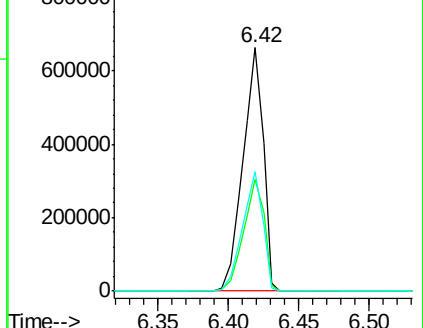
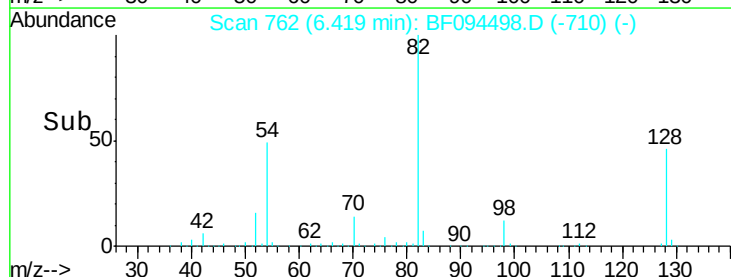
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		667662		
128	45.9		34.0	51.0	
54	49.0		42.2	63.2	

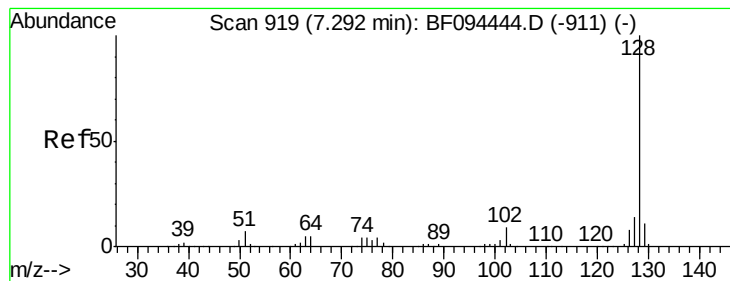


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 2.98 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF094498.D

Acq: 18 Apr 2017 20:42

Instrument :

BNA_F

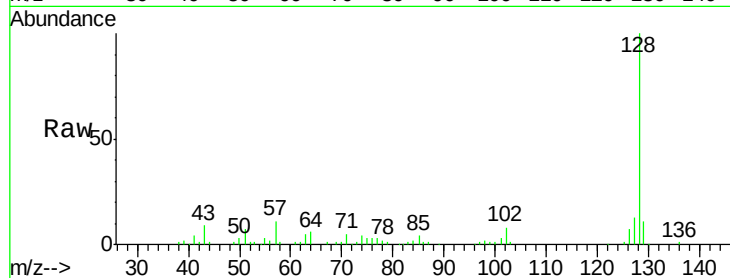
ClientSampleId :

E2-Z10-ESW

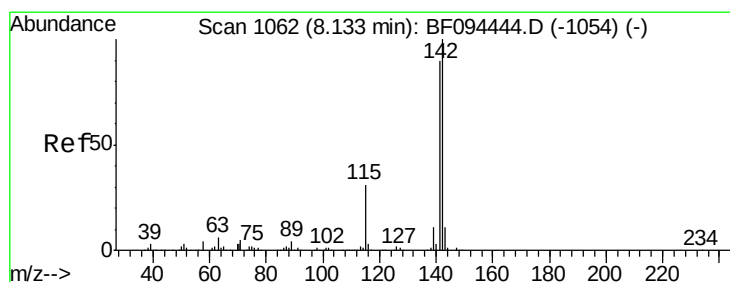
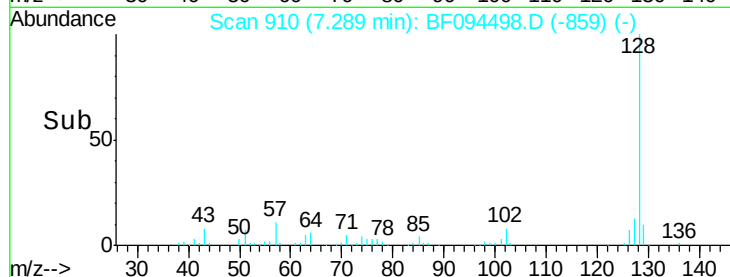
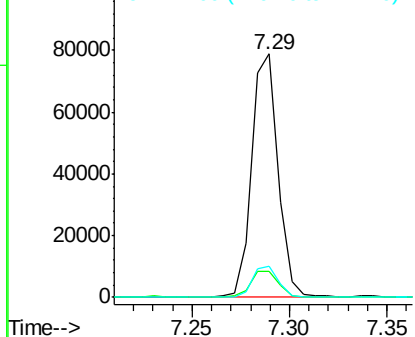
Tot Ion:128	Resp:	73742
Ion Ratio	Lower	Upper
128	100	
129	10.6	9.0 13.6
127	12.5	10.8 16.2

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.80 ng

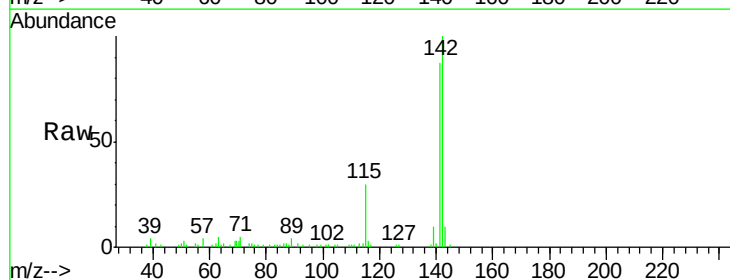
RT: 8.13 min Scan# 1053

Delta R.T. -0.00 min

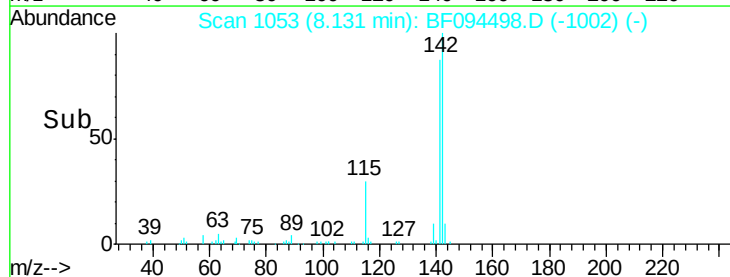
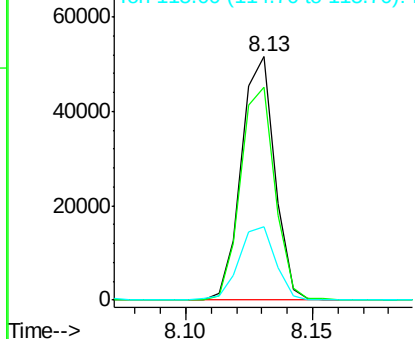
Lab File: BF094498.D

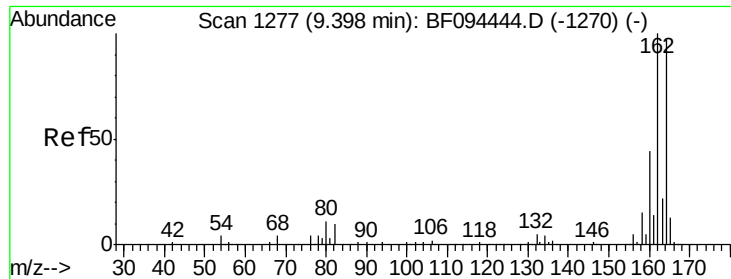
Acq: 18 Apr 2017 20:42

Tgt Ion:142	Resp:	47395
Ion Ratio	Lower	Upper
142	100	
141	87.3	71.3 106.9
115	30.2	27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





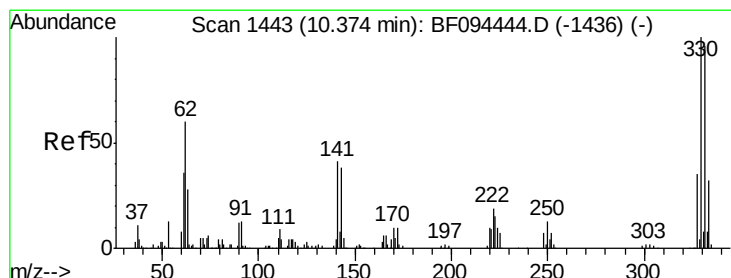
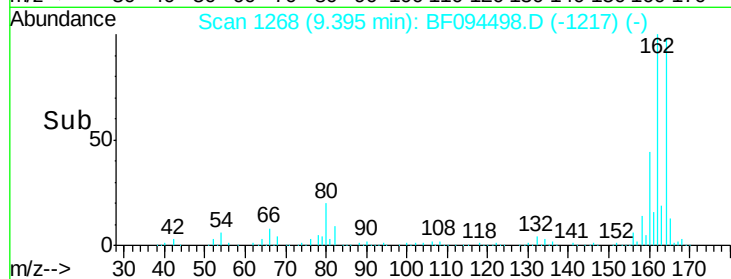
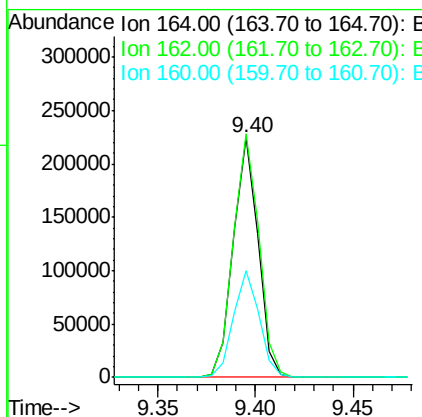
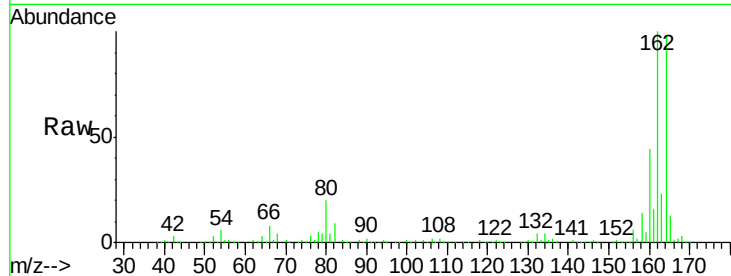
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.40 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF094498.D
Acq: 18 Apr 2017 20:42

Instrument :
BNA_F
ClientSampleId :
E2-Z10-ESW

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.6	123.8
160	44.5	36.2	54.2

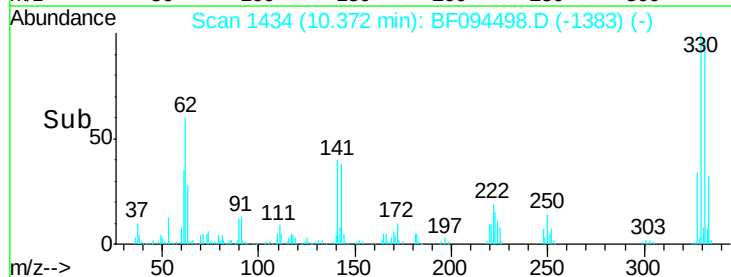
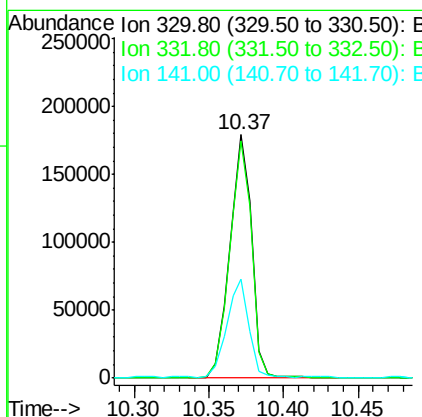
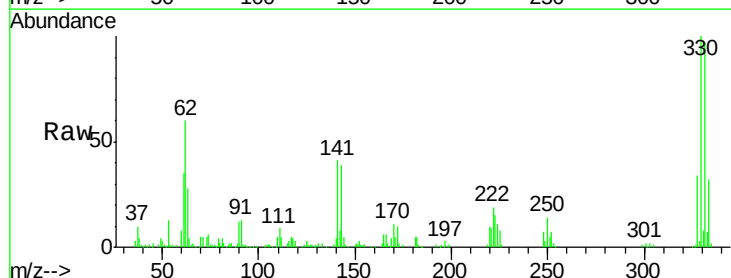
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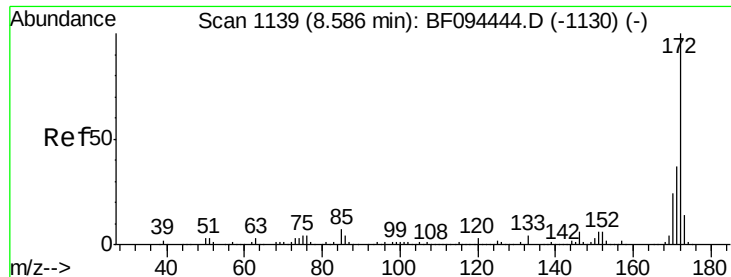
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#41
2,4,6-Tribromophenol
Concen: 119.61 ng
RT: 10.37 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BF094498.D
Acq: 18 Apr 2017 20:42

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.6	115.0
141	40.5	31.4	47.2





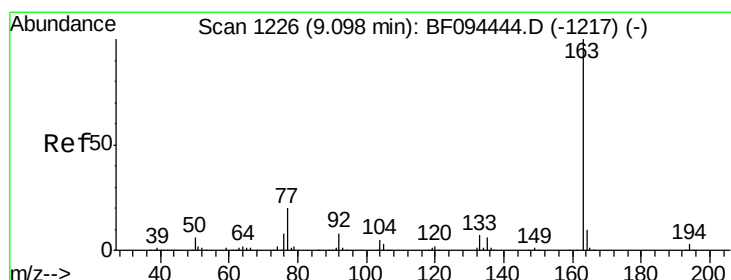
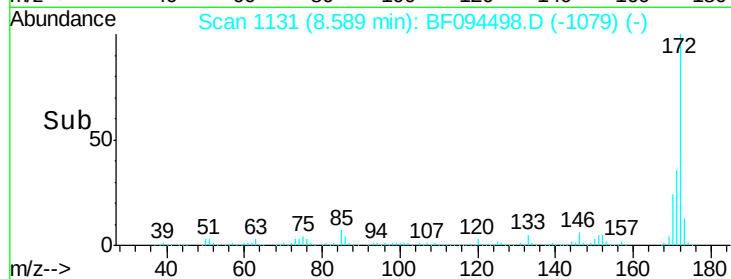
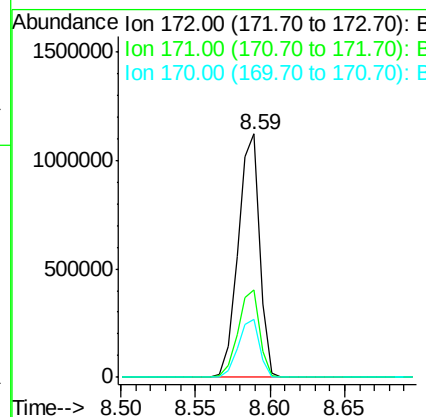
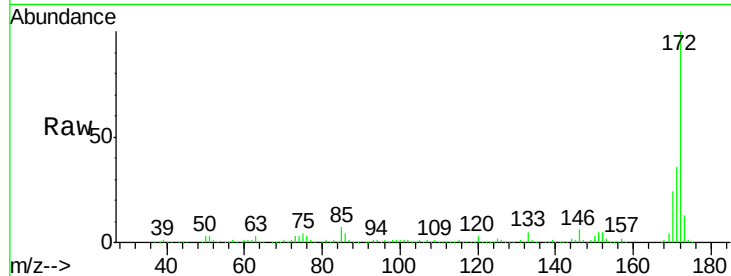
#44
2-Fluorobiphenyl
Concen: 84.31 ng
RT: 8.59 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF094498.D
Acq: 18 Apr 2017 20:42

Instrument :
BNA_F
ClientSampleId :
E2-Z10-ESW

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.9	19.8	29.8

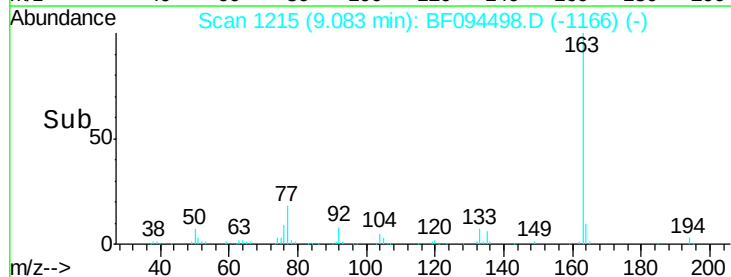
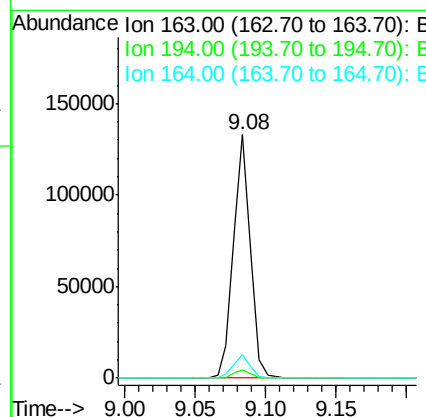
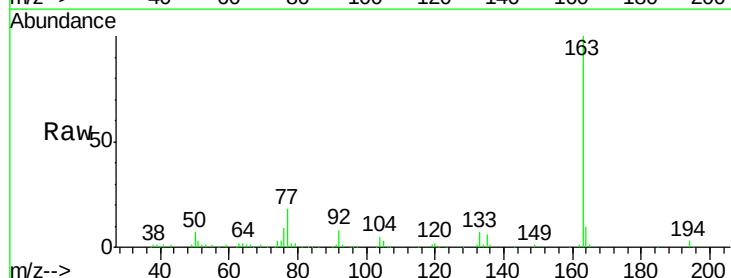
Manual Integrations
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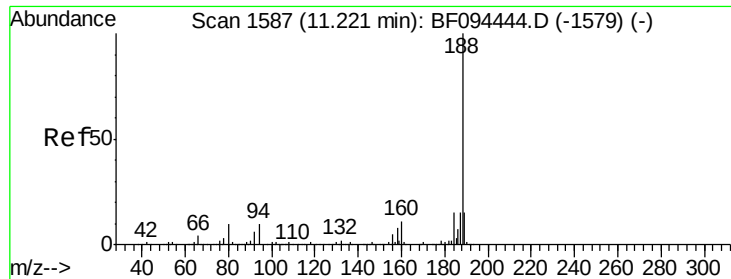
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#49
Dimethylphthalate
Concen: 7.51 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094498.D
Acq: 18 Apr 2017 20:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.9	8.4	12.6





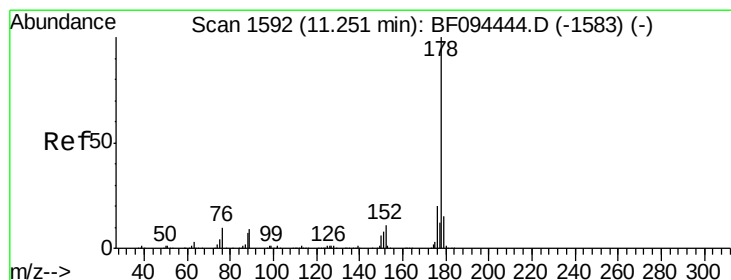
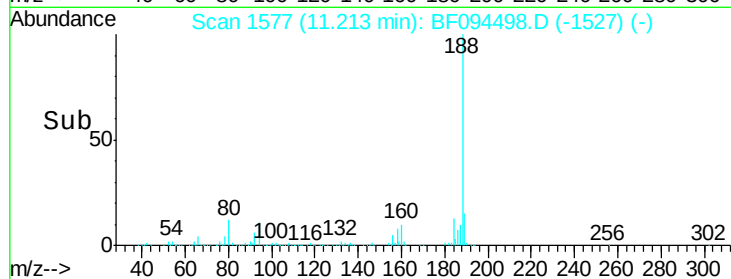
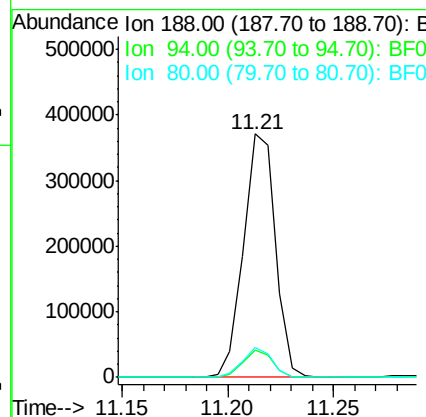
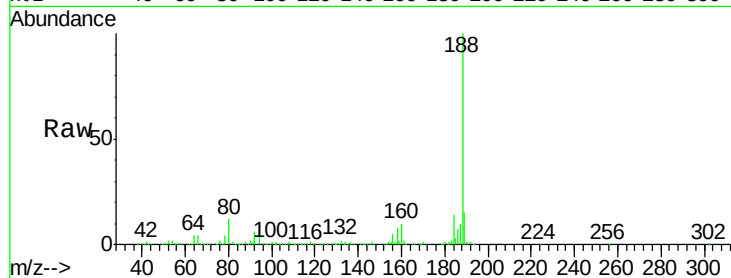
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF094498.D
 Acq: 18 Apr 2017 20:42

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z10-ESW

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.3	9.4	14.2
80	12.3	10.2	15.2

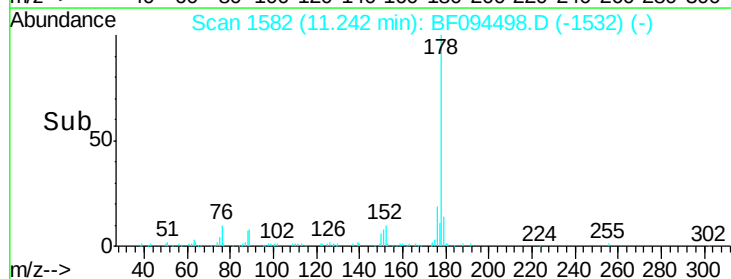
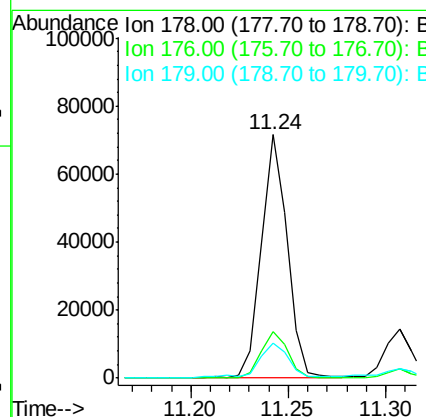
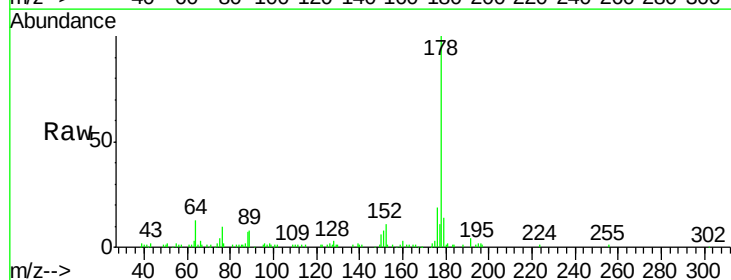
Manual Integrations
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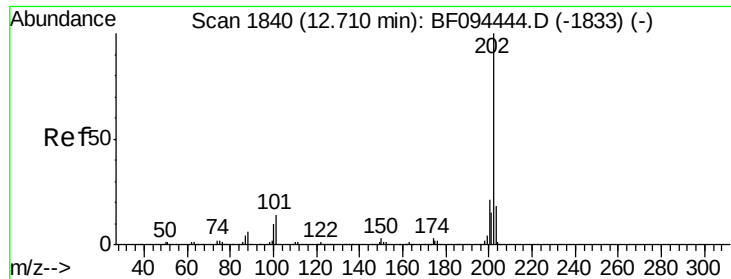
mohammad
 4/19/2017 1:33:29 PM



#70
 Phenanthrene
 Concen: 3.01 ng
 RT: 11.24 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF094498.D
 Acq: 18 Apr 2017 20:42

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	16.2	24.4
179	14.3	12.6	19.0





#74

Fluoranthene

Concen: 3.35 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF094498.D

Acq: 18 Apr 2017 20:42

Instrument :

BNA_F

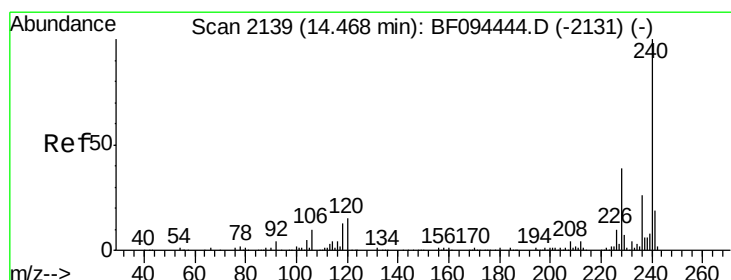
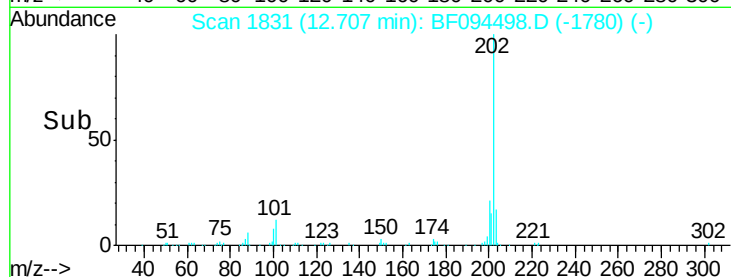
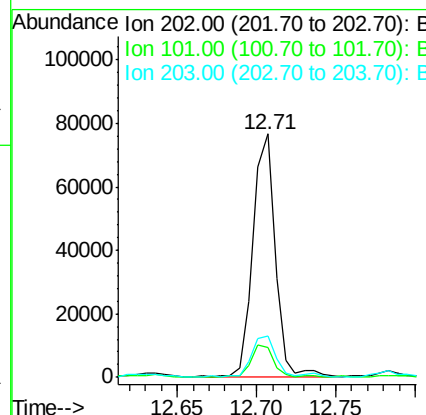
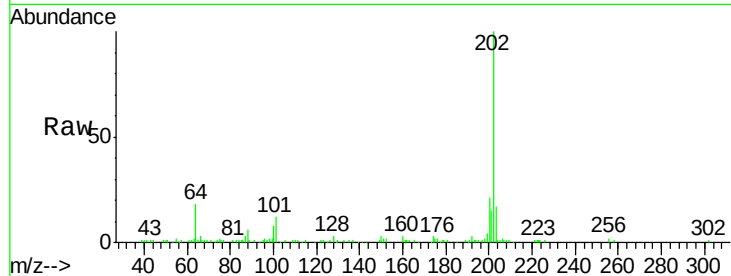
ClientSampleId :

E2-Z10-ESW

Tot Ion:	202	Resp:	75978
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	33.2
203	17.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

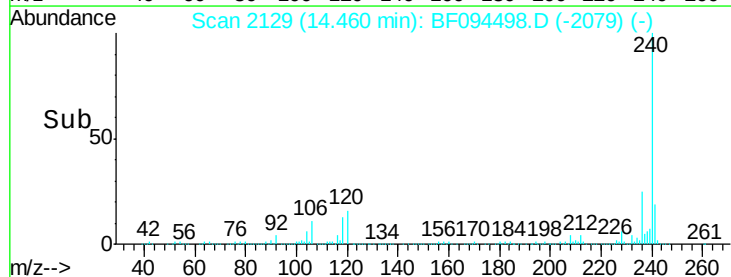
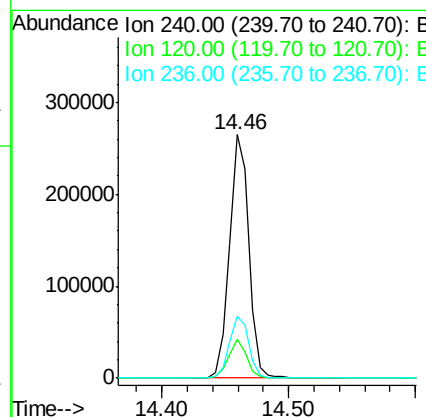
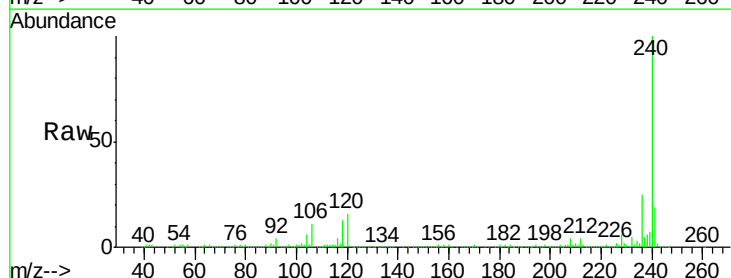
RT: 14.46 min Scan# 2129

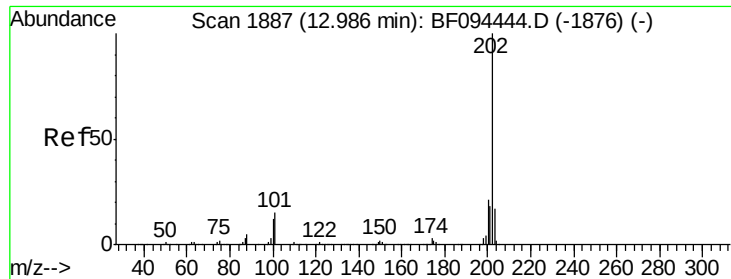
Delta R.T. -0.01 min

Lab File: BF094498.D

Acq: 18 Apr 2017 20:42

Tgt Ion:	240	Resp:	277435
Ion Ratio	Lower	Upper	
240	100		
120	15.9	5.8	8.8#
236	25.3	20.5	30.7





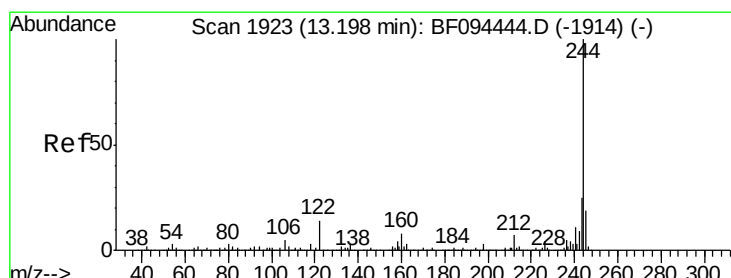
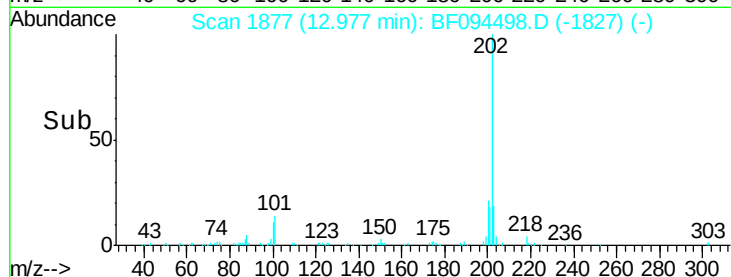
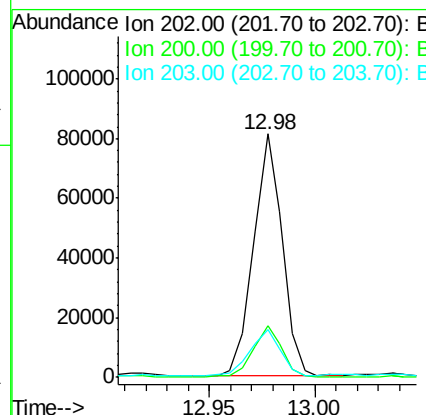
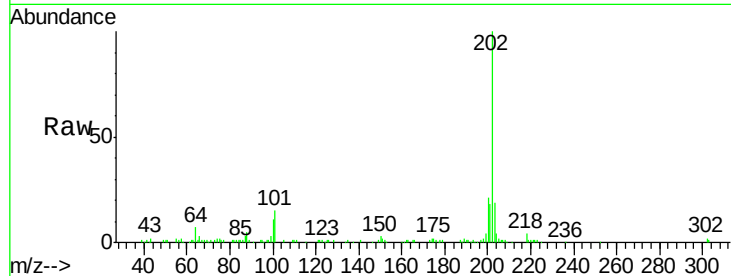
#77
Pvrene
Concen: 3.95 ng
RT: 12.98 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BF094498.D
Acq: 18 Apr 2017 20:42

Instrument :
BNA_F
ClientSampled :
E2-Z10-ESW

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	19.4	14.4	21.6

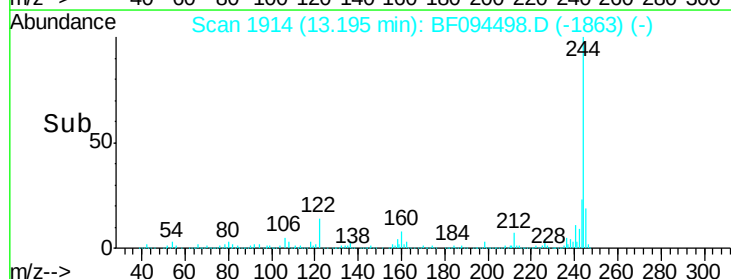
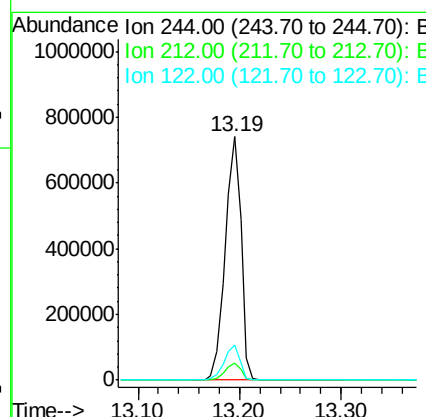
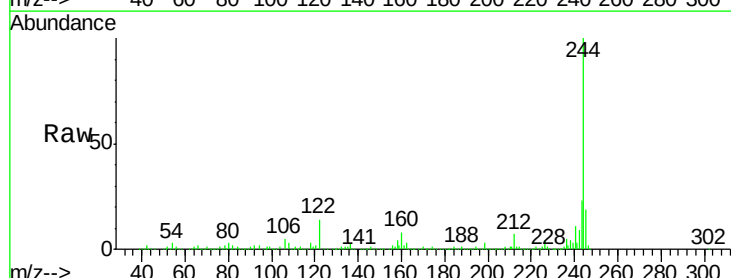
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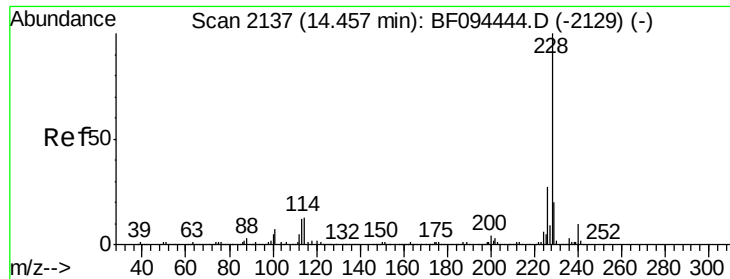
mohammad
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#78
Terphenyl-d14
Concen: 77.28 ng
RT: 13.19 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BF094498.D
Acq: 18 Apr 2017 20:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.3	10.3	15.5





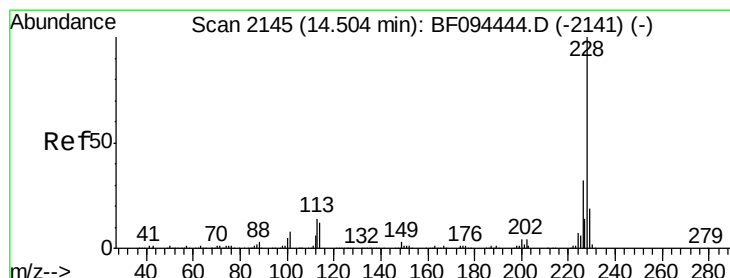
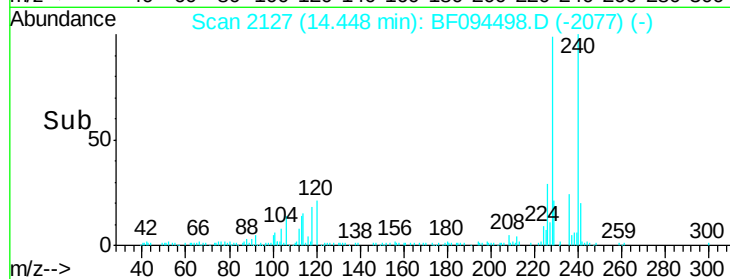
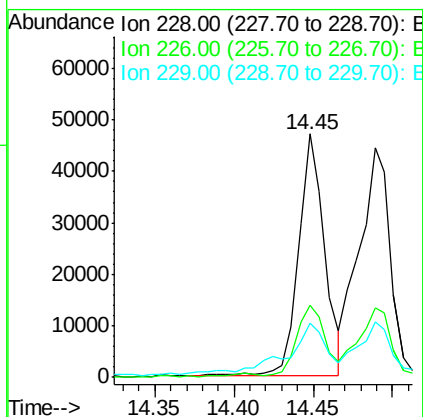
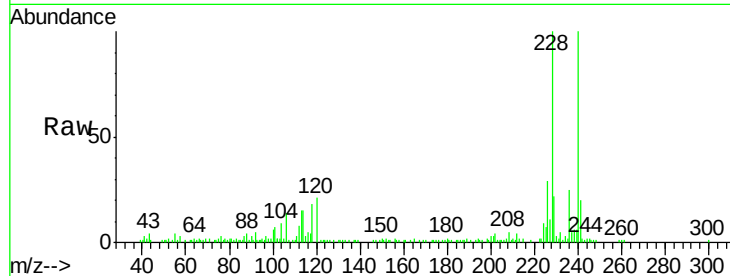
#80
Benzo(a)anthracene
Concen: 3.30 ng
RT: 14.45 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BF094498.D
Acq: 18 Apr 2017 20:42

Instrument :
BNA_F
ClientSampleId :
E2-Z10-ESW

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	22.3	16.3	24.5

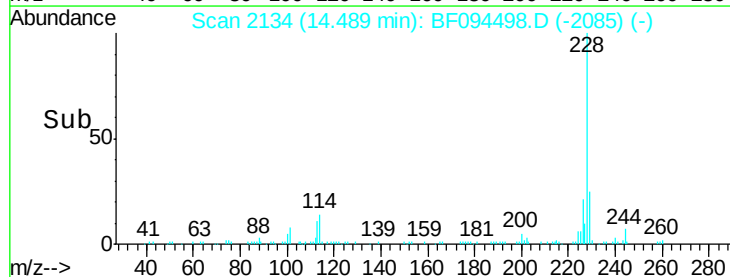
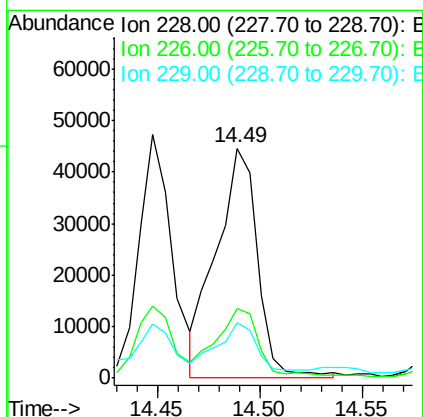
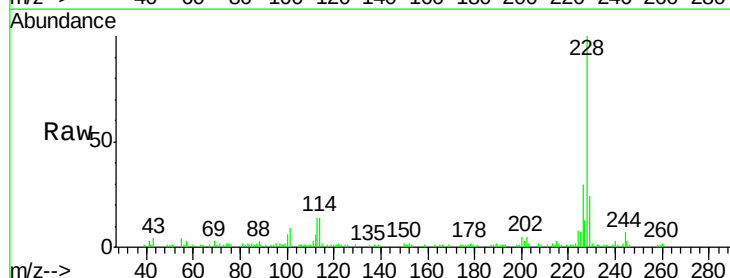
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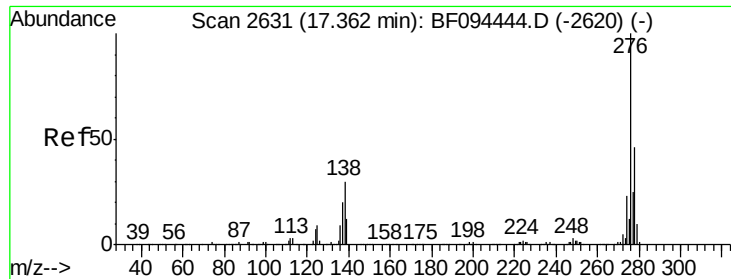
mohammad
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#82
Chrysene
Concen: 4.29 ng m
RT: 14.49 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BF094498.D
Acq: 18 Apr 2017 20:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	24.2	15.8	23.6





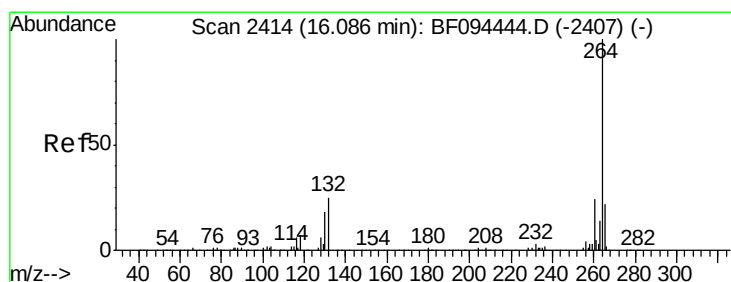
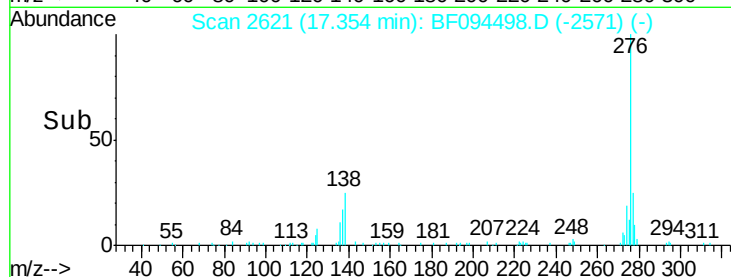
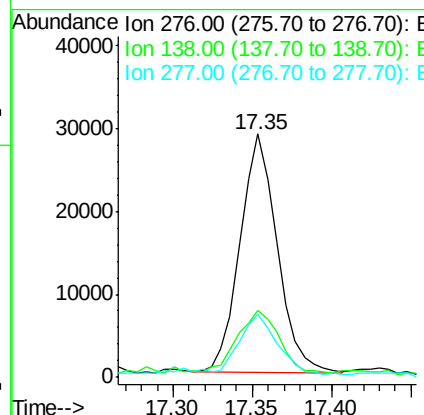
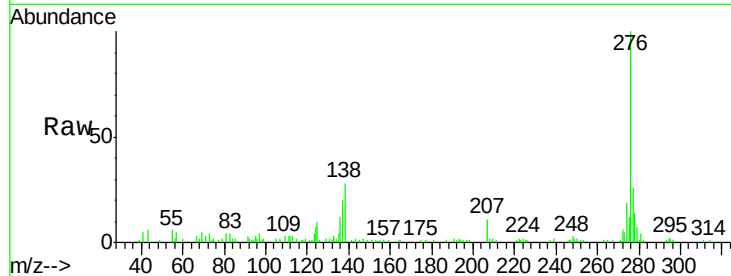
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.35 ng
RT: 17.35 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF094498.D
Acq: 18 Apr 2017 20:42

Instrument :
BNA_F
ClientSampleId :
E2-Z10-ESW

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.6	27.8	41.6
277	25.5	20.2	30.4

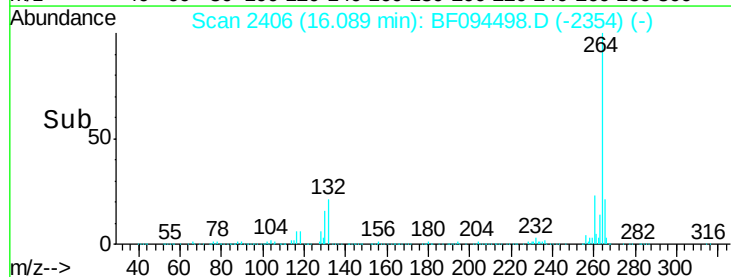
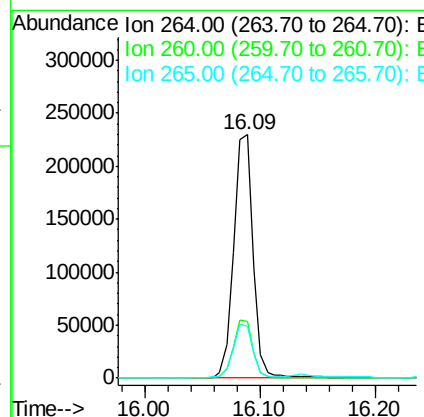
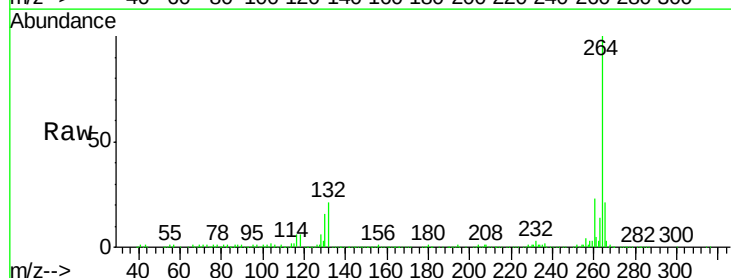
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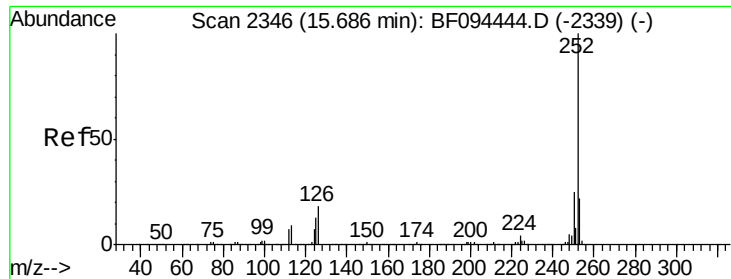
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BF094498.D
Acq: 18 Apr 2017 20:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.2	17.2	25.8





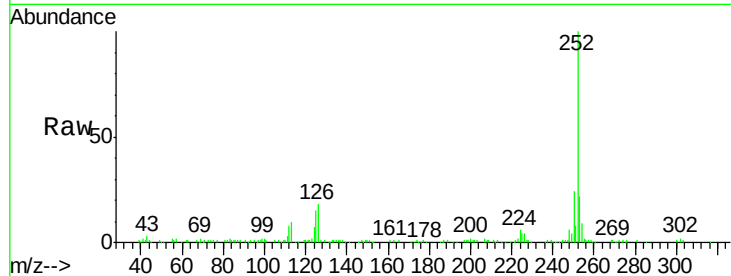
#87
Benzo(b)fluoranthene
Concen: 7.35 ng m
RT: 15.68 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BF094498.D
Acq: 18 Apr 2017 20:42

Instrument :
BNA_F
ClientSampleId :
E2-Z10-ESW

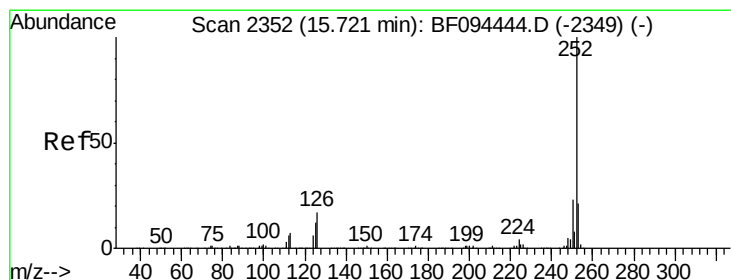
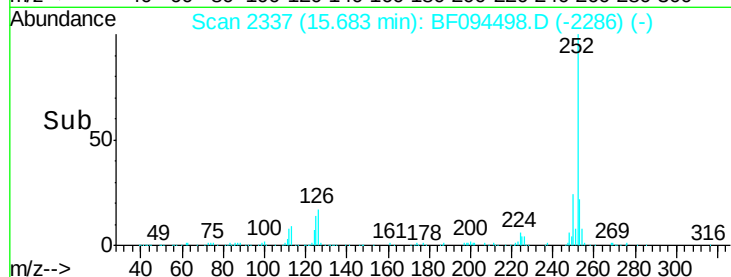
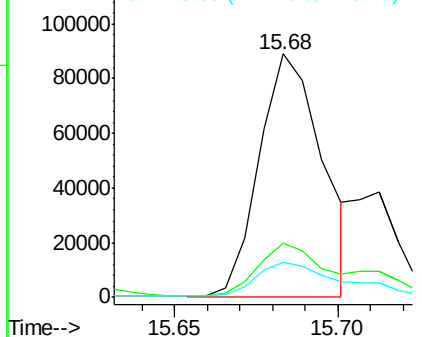
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	14.5	9.8	14.8

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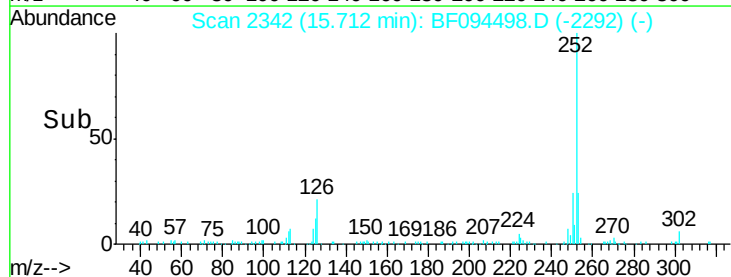
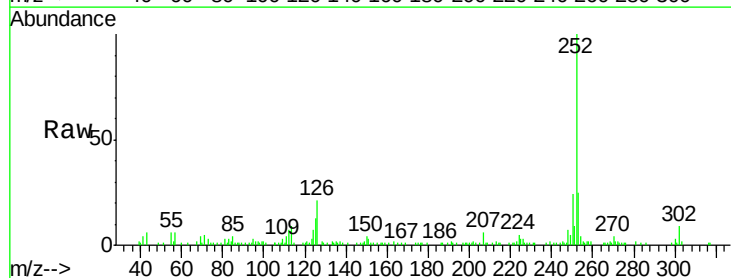
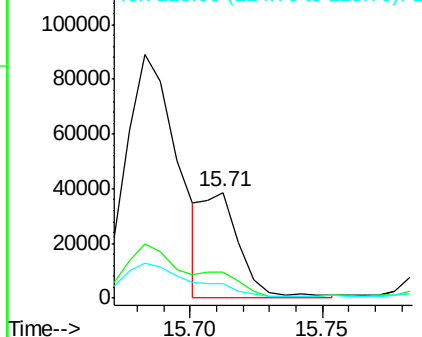
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

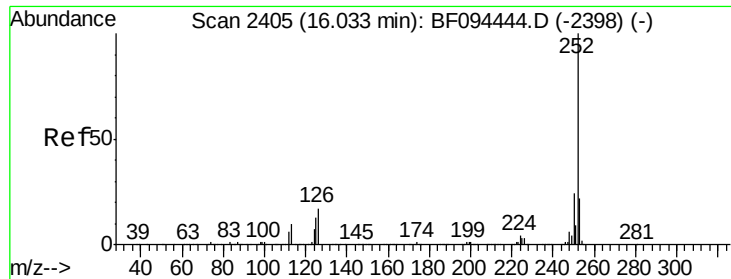


#88
Benzo(k)fluoranthene
Concen: 2.48 ng m
RT: 15.71 min Scan# 2342
Delta R.T. -0.01 min
Lab File: BF094498.D
Acq: 18 Apr 2017 20:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	13.4	13.1	19.7

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





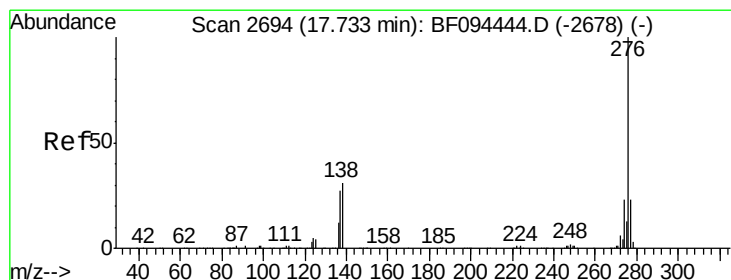
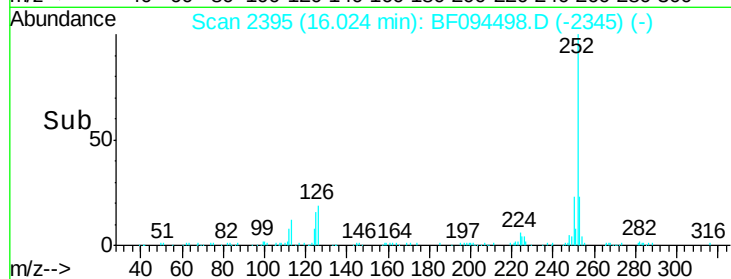
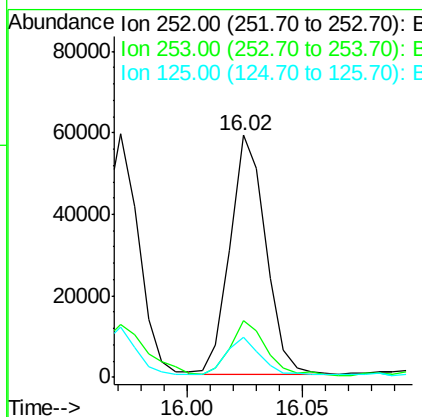
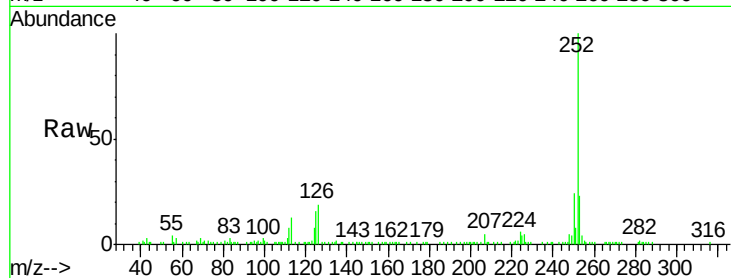
#89
Benzo(a)pyrene
Concen: 4.19 ng
RT: 16.02 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BF094498.D
Acq: 18 Apr 2017 20:42

Instrument :
BNA_F
ClientSampleId :
E2-Z10-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	16.5	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 3.79 ng
RT: 17.72 min Scan# 2684
Delta R.T. -0.01 min
Lab File: BF094498.D
Acq: 18 Apr 2017 20:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.6	28.0
138	29.9	25.4	38.0

