

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093926.D
 Acq On : 25 Mar 2017 00:19
 Operator : SJ/MA
 Sample : I2367-13 4X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R13-SSW

Manual Integrations
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 3/27/2017 12:56:34 PM

Quant Time: Mar 25 01:05:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.96	152	168659	20.00	ng	-0.03
21) Naphthalene-d8	7.46	136	656611	20.00	ng	-0.03
38) Acenaphthene-d10	9.60	164	274171	20.00	ng	-0.04
63) Phenanthrene-d10	11.43	188	410385	20.00	ng	-0.03
75) Chrysene-d12	14.69	240	300493	20.00	ng	-0.03
86) Perylene-d12	16.32	264	257882	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.48	112	308852	30.93	ng	-0.02
7) Phenol-d6	5.55	99	391868	31.72	ng	-0.02
23) Nitrobenzene-d5	6.60	82	231676	20.14	ng	-0.04
41) 2,4,6-Tribromophenol	10.57	330	62717	28.95	ng	-0.04
44) 2-Fluorobiphenyl	8.78	172	384917	21.41	ng	-0.04
78) Terphenyl-d14	13.40	244	186037	13.88	ng	-0.04
Target Compounds						Qvalue
48) Acenaphthylene	9.43	152	68097	2.37	ng	98
70) Phenanthrene	11.46	178	413483	18.11	ng	98
71) Anthracene	11.52	178	128957	5.49	ng	97
74) Fluoranthene	12.93	202	672325	28.76	ng	98
77) Pyrene	13.20	202	566531	25.98	ng	99
80) Benzo(a)anthracene	14.67	228	333536	19.03	ng	98
82) Chrysene	14.72	228	322726	19.85	ng	97
83) Bis(2-ethylhexyl)phthalate	14.73	149	73679	5.81	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.70	276	152531	10.83	ng	95
87) Benzo(b)fluoranthene	15.91	252	440349m	27.86	ng	
88) Benzo(k)fluoranthene	15.93	252	138022m	8.92	ng	
89) Benzo(a)pyrene	16.26	252	256686	17.63	ng	98
90) Dibenzo(a,h)anthracene	17.72	278	41695m	3.38	ng	
91) Benzo(a,h,i)perylene	18.11	276	136324	10.97	ng	99

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

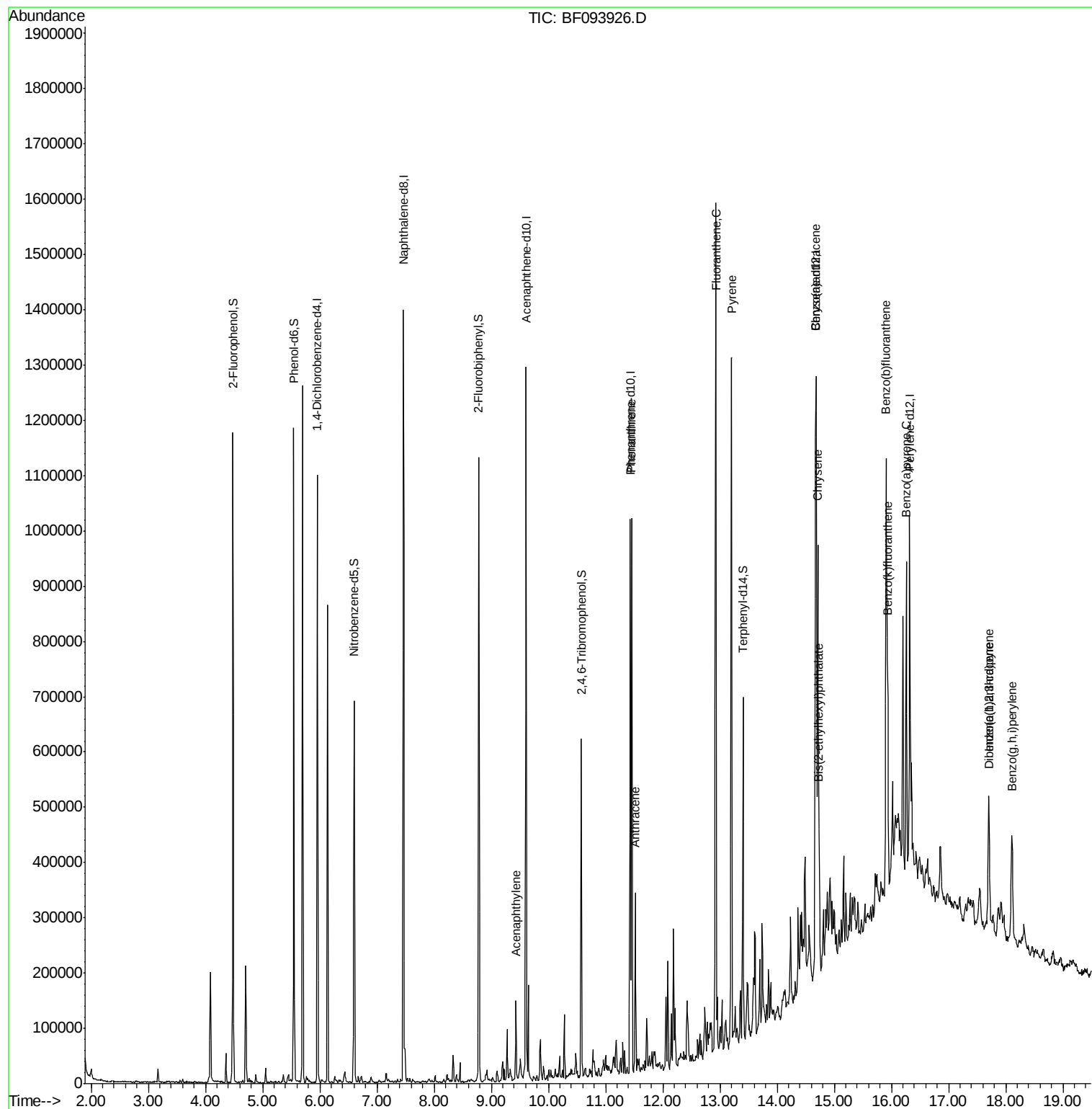
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
Data File : BF093926.D
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ALS Vial : 16 Sample Multiplier: 1

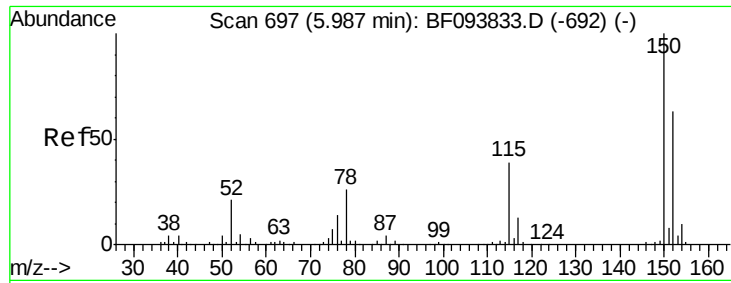
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
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#1

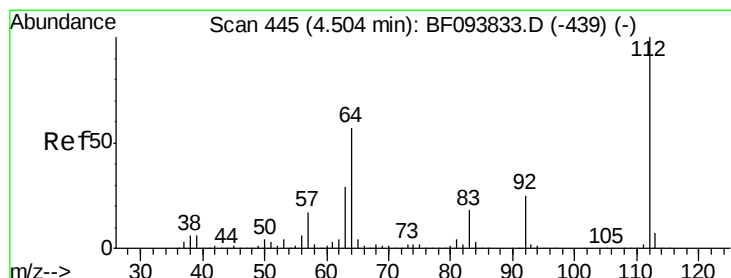
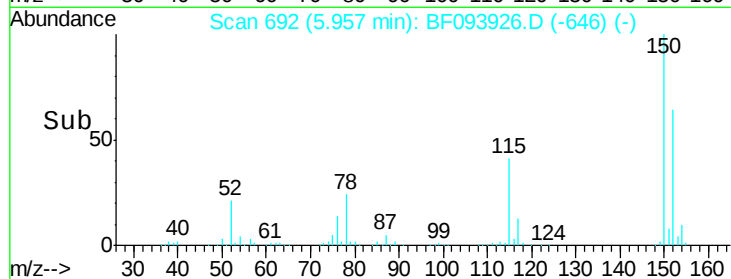
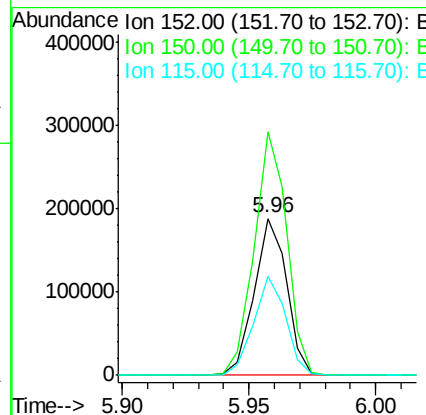
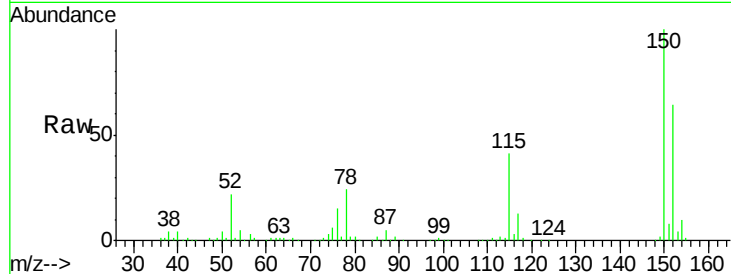
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.96 min Scan# 692
 Delta R.T. -0.03 min
 Lab File: BF093926.D
 Acq: 25 Mar 2017 00:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-R13-SSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.2	189.2
115	62.9	52.2	78.2

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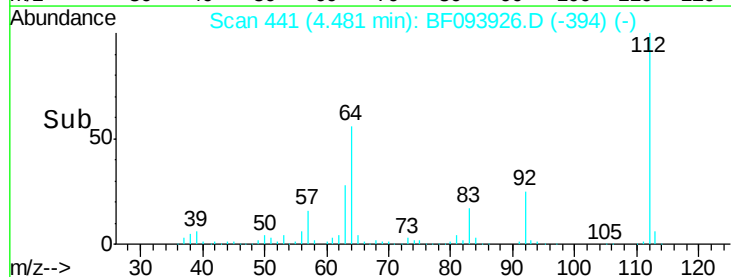
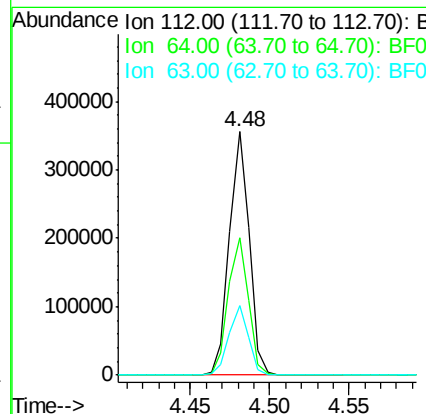
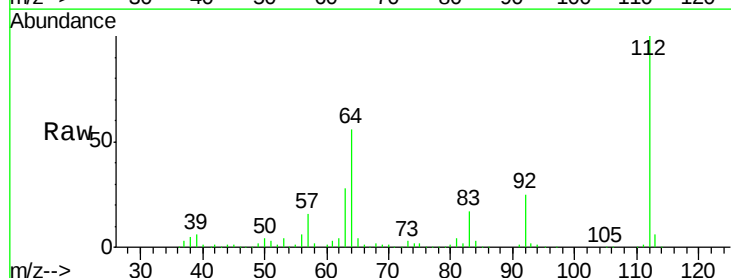
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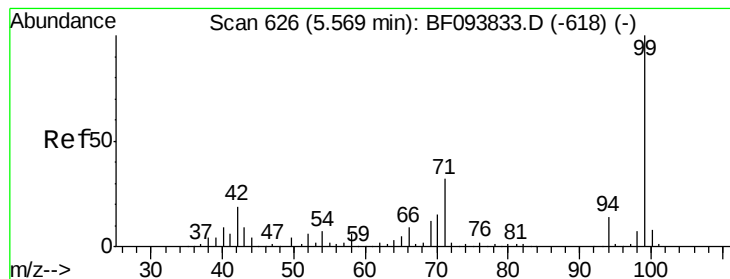


#5

2-Fluorophenol
 Concen: 30.93 ng
 RT: 4.48 min Scan# 441
 Delta R.T. -0.02 min
 Lab File: BF093926.D
 Acq: 25 Mar 2017 00:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	46.0	69.0
63	28.5	23.4	35.0





#7

Phenol-d6

Concen: 31.72 ng

RT: 5.55 min Scan# 622

Delta R.T. -0.02 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

Instrument :

BNA_F

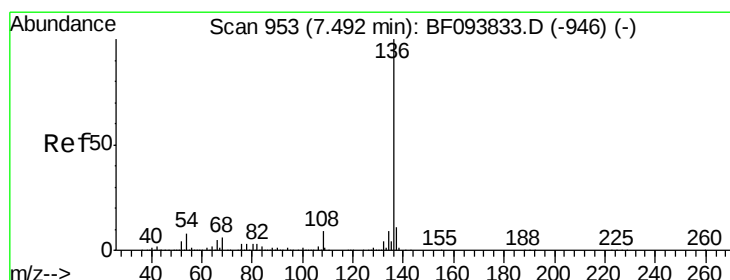
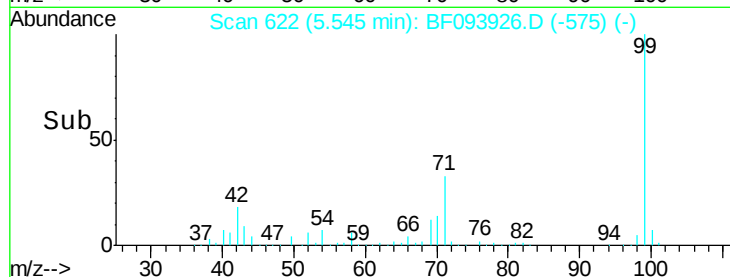
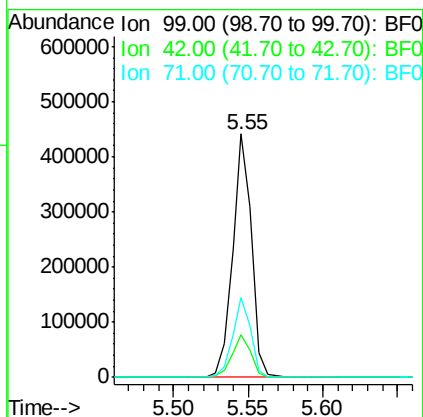
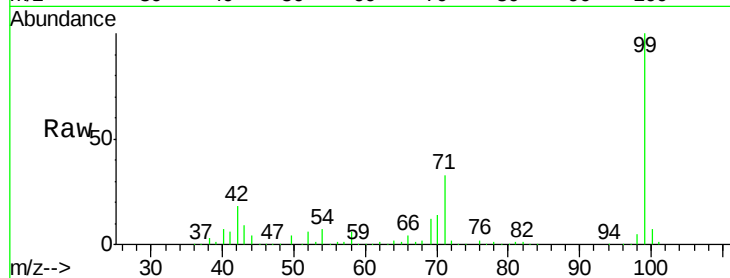
ClientSampleId :

E2-R13-SSW

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		391868		
42	17.8	13.5	20.3		
71	32.9	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

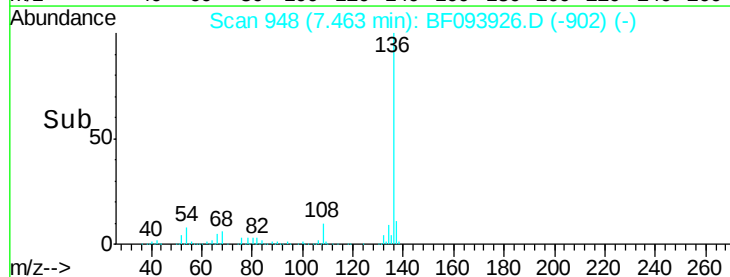
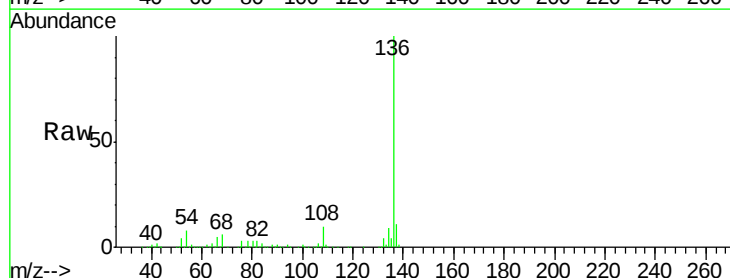
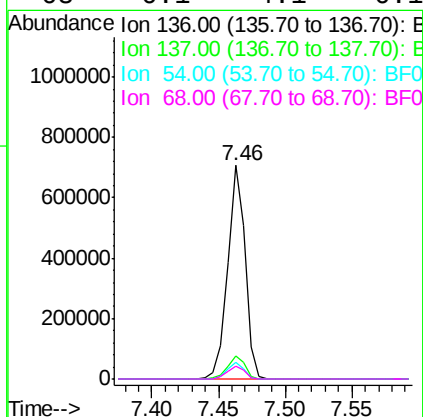
RT: 7.46 min Scan# 948

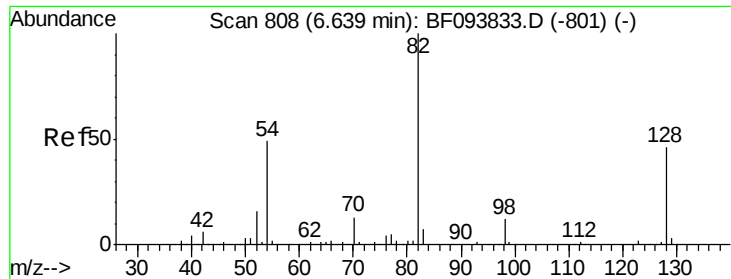
Delta R.T. -0.03 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		656611		
137	11.0	8.5	12.7		
54	8.1	4.9	7.3#		
68	6.1	4.1	6.1		





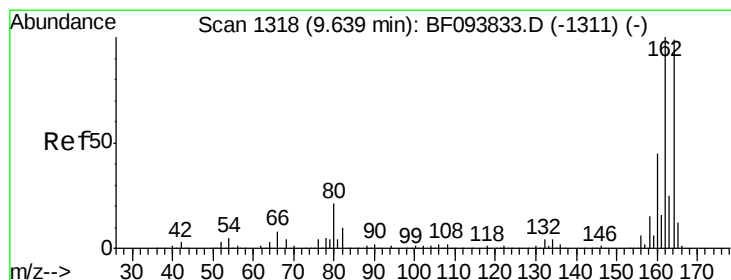
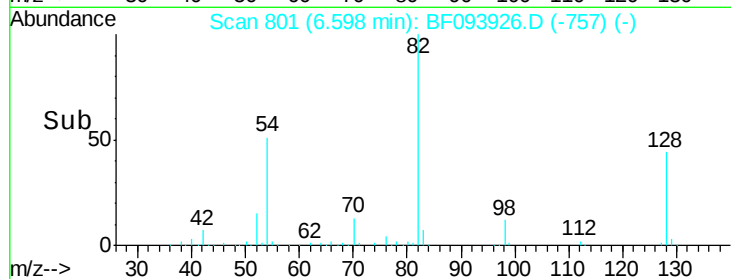
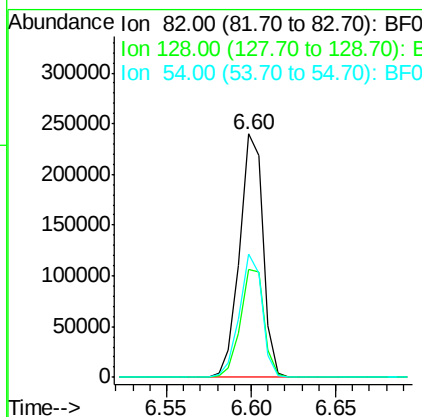
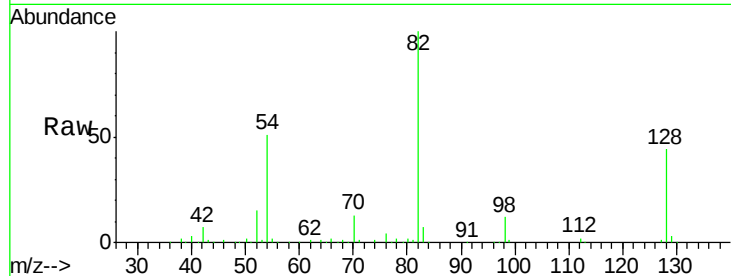
#23
Nitrobenzene-d5
Concen: 20.14 ng
RT: 6.60 min Scan# 801
Delta R.T. -0.04 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Instrument :
BNA_F
ClientSampleId :
E2-R13-SSW

Tot Ion	82	Resp	231676
Ion Ratio	Lower	Upper	
82	100		
128	44.1	34.0	51.0
54	50.9	42.2	63.2

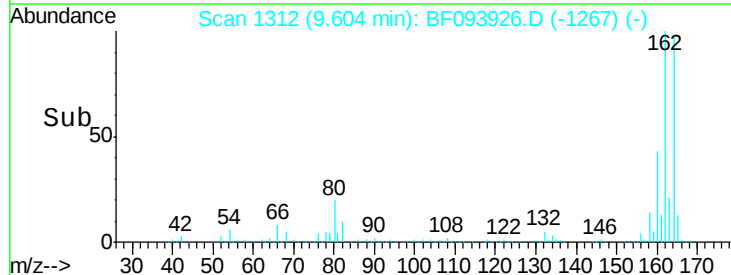
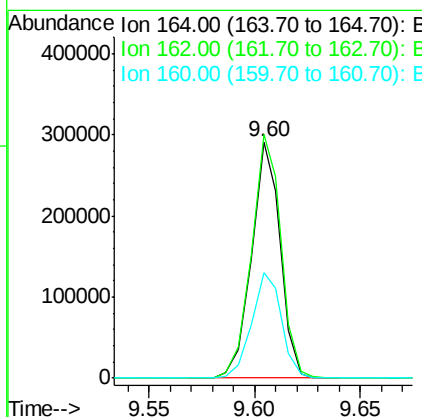
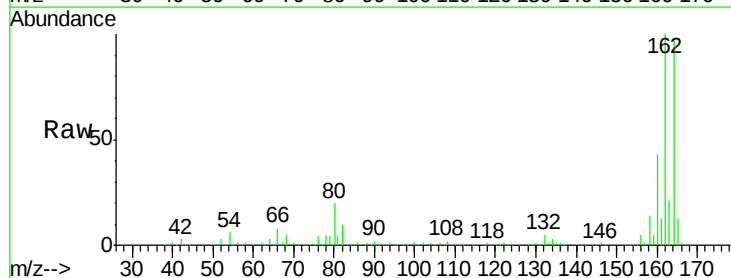
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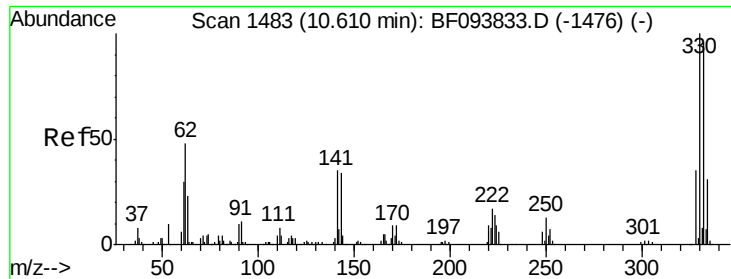
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.60 min Scan# 1312
Delta R.T. -0.04 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Tgt Ion	164	Resp	274171
Ion Ratio	Lower	Upper	
164	100		
162	103.2	82.6	123.8
160	44.6	36.2	54.2





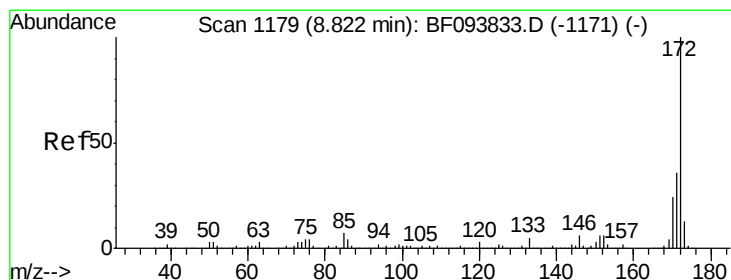
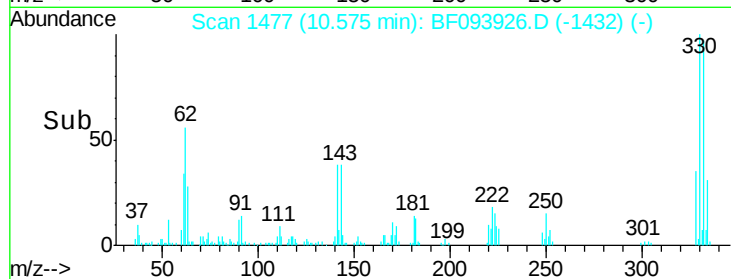
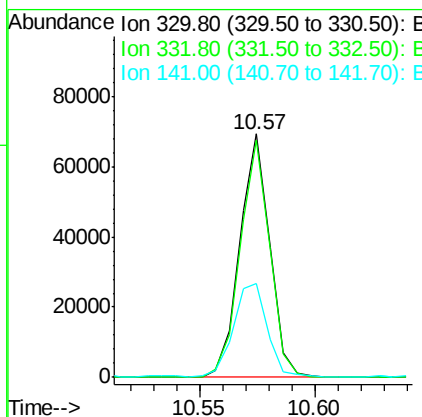
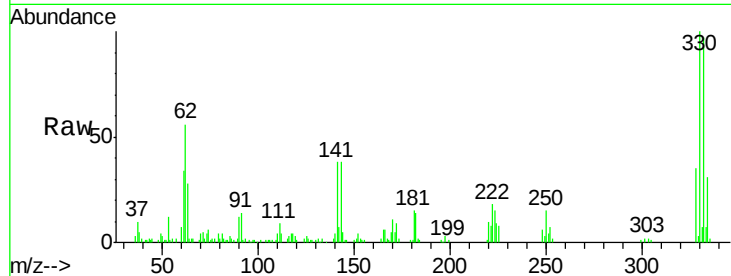
#41
 2,4,6-Tribromophenol
 Concen: 28.95 ng
 RT: 10.57 min Scan# 1477
 Delta R.T. -0.04 min
 Lab File: BF093926.D
 Acq: 25 Mar 2017 00:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-R13-SSW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	62717		
332	96.2		76.6	115.0
141	43.9		31.4	47.2

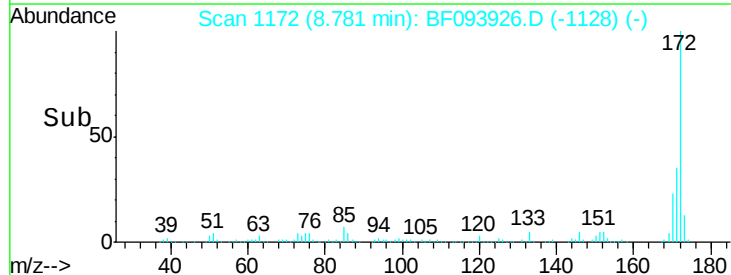
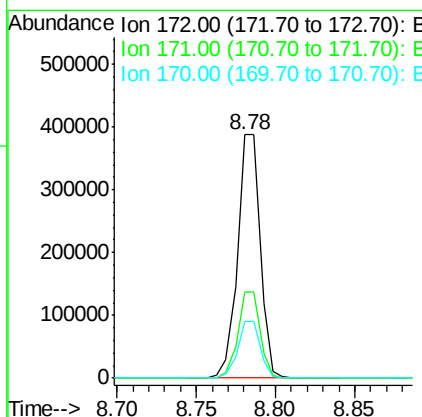
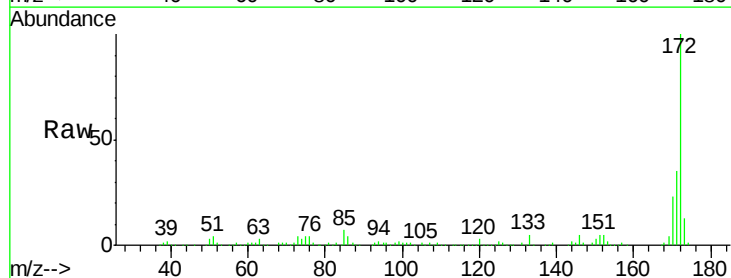
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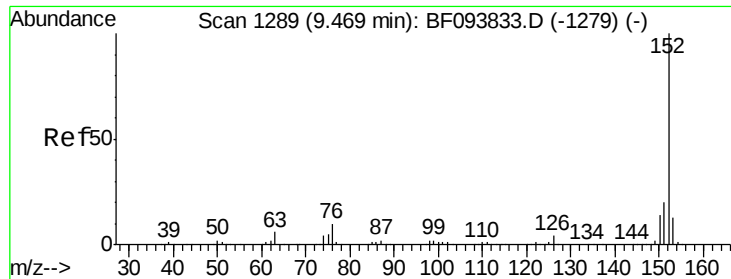
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#44
 2-Fluorobiphenyl
 Concen: 21.41 ng
 RT: 8.78 min Scan# 1172
 Delta R.T. -0.04 min
 Lab File: BF093926.D
 Acq: 25 Mar 2017 00:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	384917		
171	35.2		29.6	44.4
170	23.2		19.8	29.8





#48

Acenaphthylene

Concen: 2.37 ng

RT: 9.43 min Scan# 1282

Delta R.T. -0.04 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

Instrument :

BNA_F

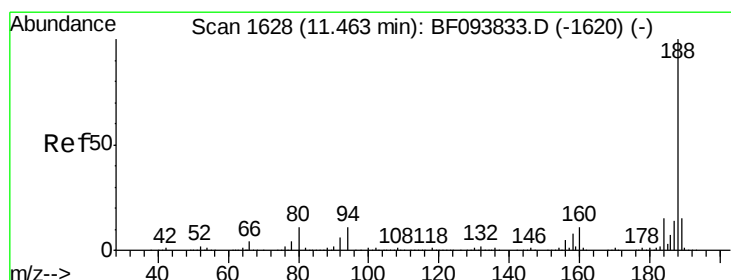
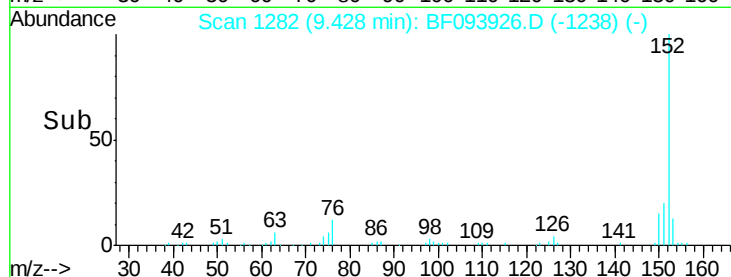
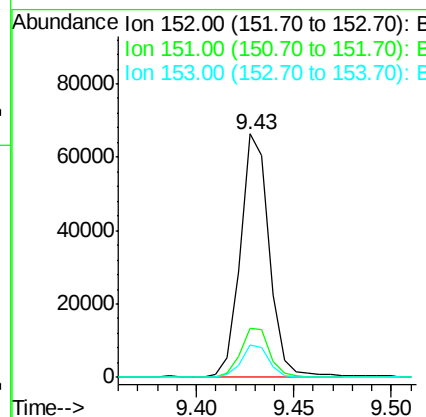
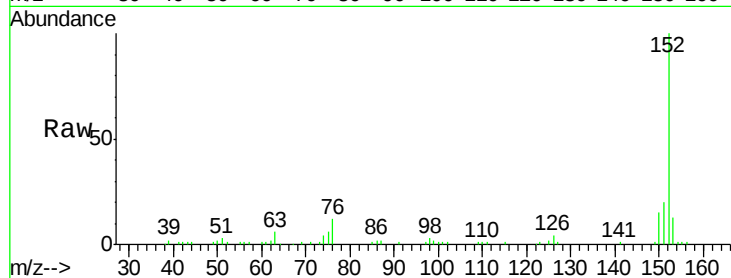
ClientSampleId :

E2-R13-SSW

Tot Ion:	152	Resp:	68097
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.8	25.2
153	13.2	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

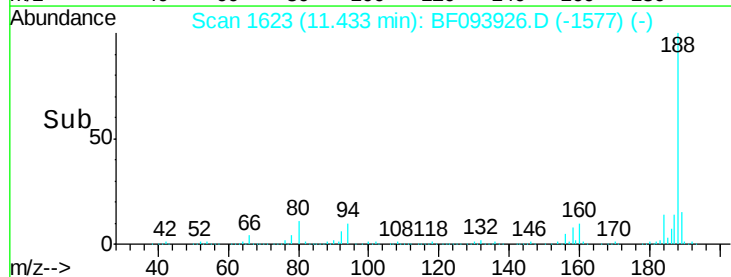
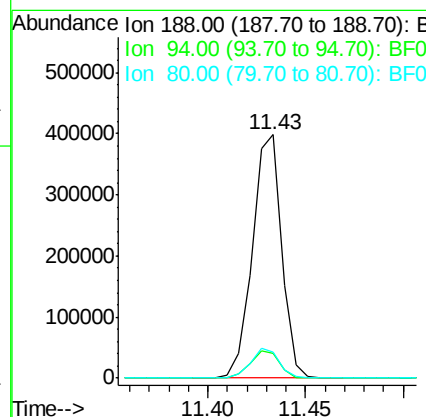
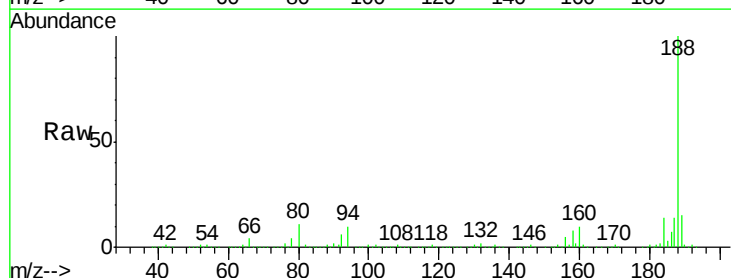
RT: 11.43 min Scan# 1623

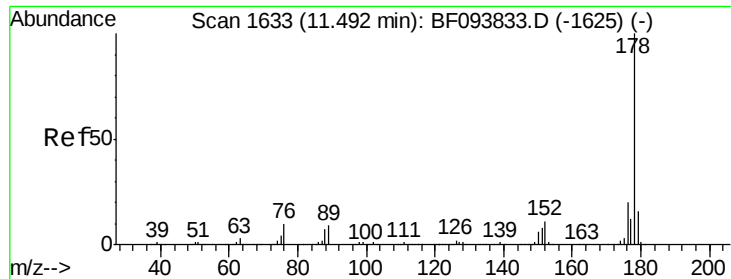
Delta R.T. -0.03 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

Tgt Ion:	188	Resp:	410385
Ion Ratio	Lower	Upper	
188	100		
94	10.3	9.4	14.2
80	10.5	10.2	15.2





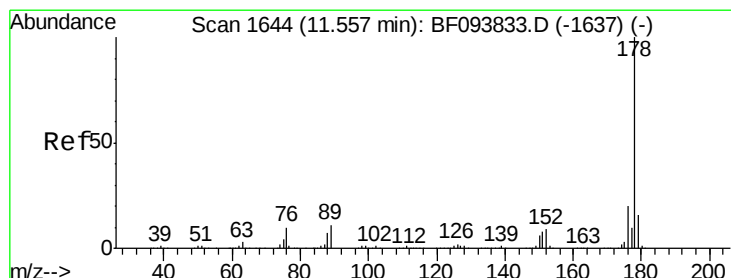
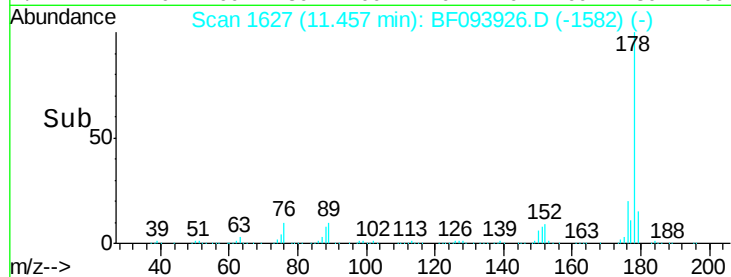
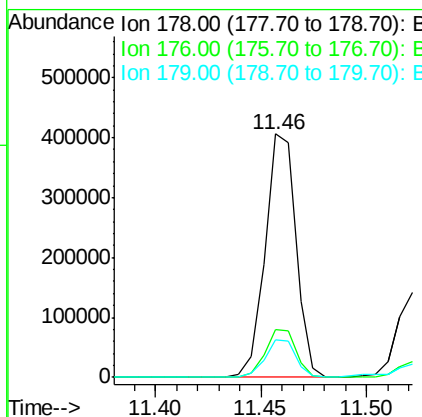
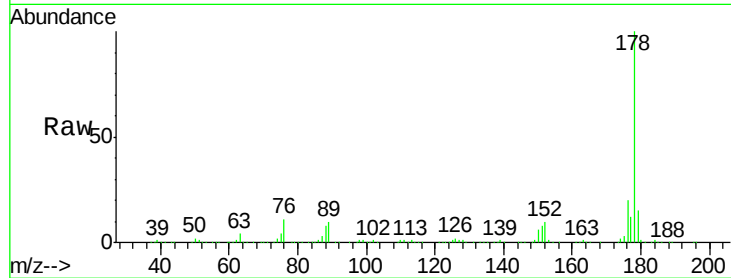
#70
Phenanthrene
Concen: 18.11 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.04 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Instrument :
BNA_F
ClientSampleId :
E2-R13-SSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.2	12.6	19.0

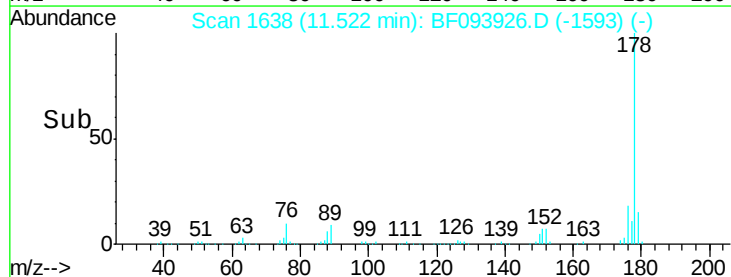
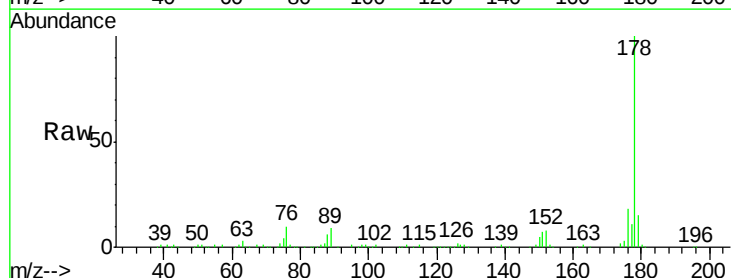
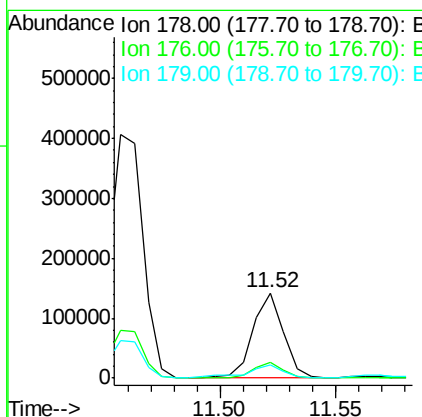
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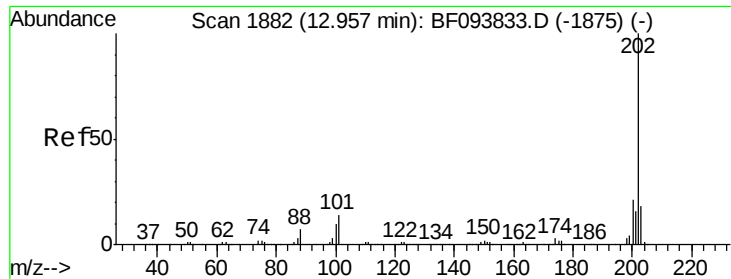
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#71
Anthracene
Concen: 5.49 ng
RT: 11.52 min Scan# 1638
Delta R.T. -0.04 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	14.9	12.7	19.1





#74

Fluoranthene

Concen: 28.76 ng

RT: 12.93 min Scan# 1877

Delta R.T. -0.03 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

Instrument :

BNA_F

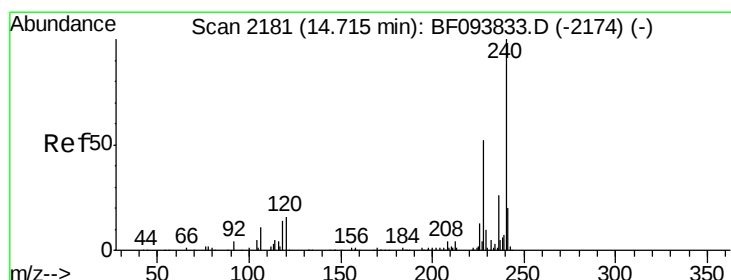
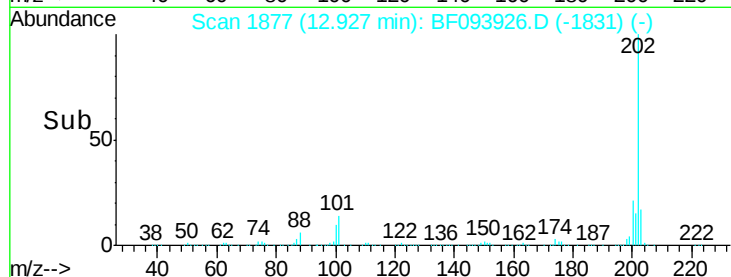
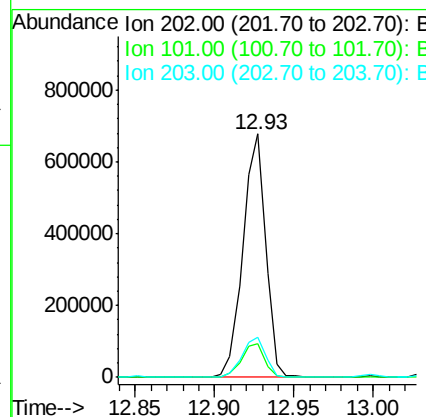
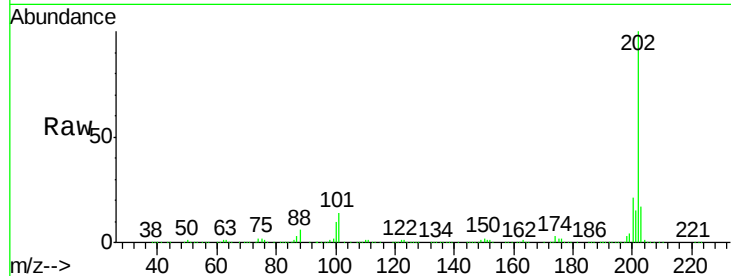
ClientSampleId :

E2-R13-SSW

Tot Ion	Ratio	Resp	Lower	Upper
202	100	672325		
101	13.8	0.0	33.2	
203	16.7	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

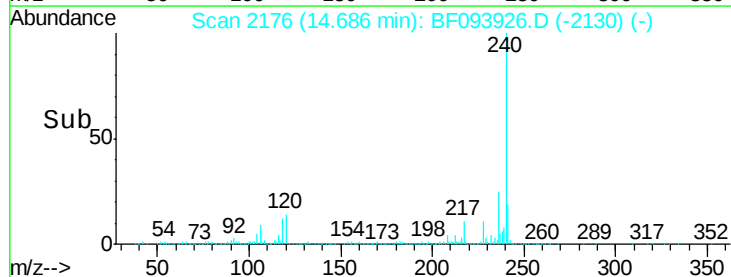
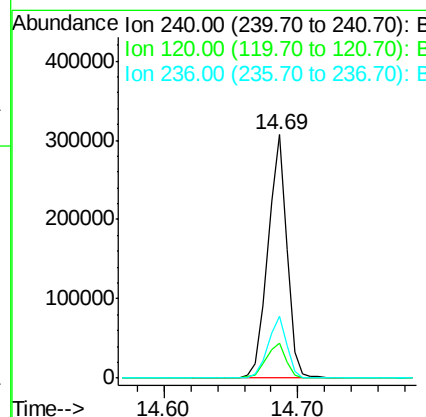
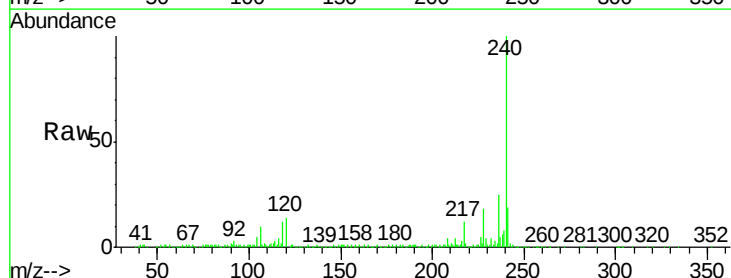
RT: 14.69 min Scan# 2176

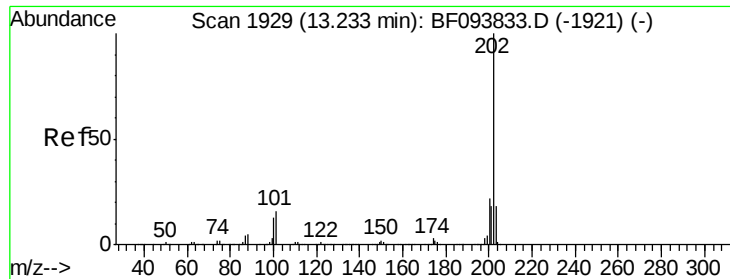
Delta R.T. -0.03 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	300493		
120	14.4	5.8	8.8#	
236	25.3	20.5	30.7	





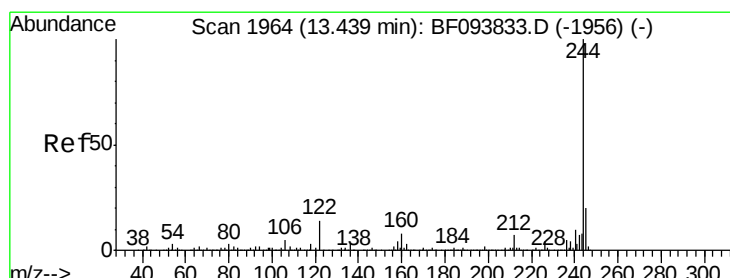
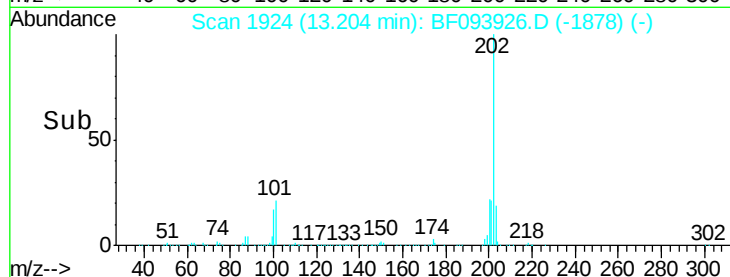
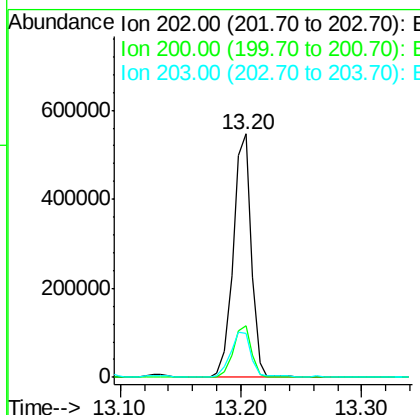
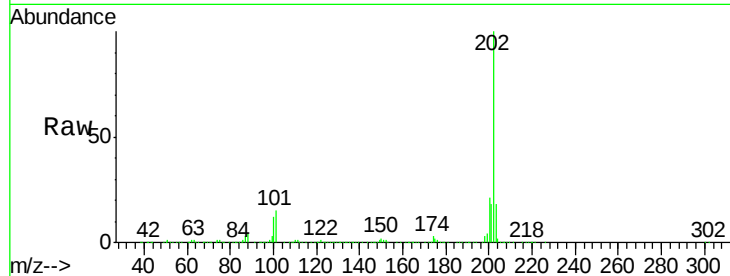
#77
Pvrene
Concen: 25.98 ng
RT: 13.20 min Scan# 1924
Delta R.T. -0.03 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Instrument :
BNA_F
ClientSampleId :
E2-R13-SSW

Tot Ion	Ratio	Resp	Lower	Upper
202	100	566531		
200	21.2		17.6	26.4
203	17.8		14.4	21.6

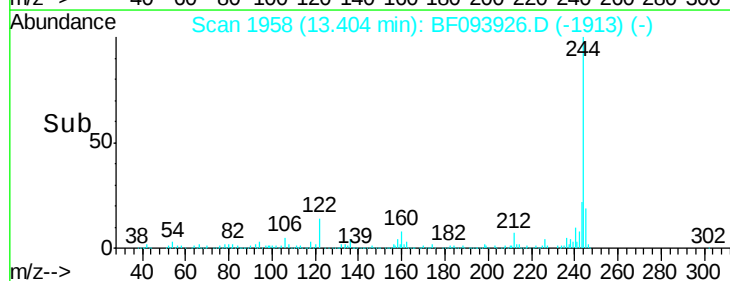
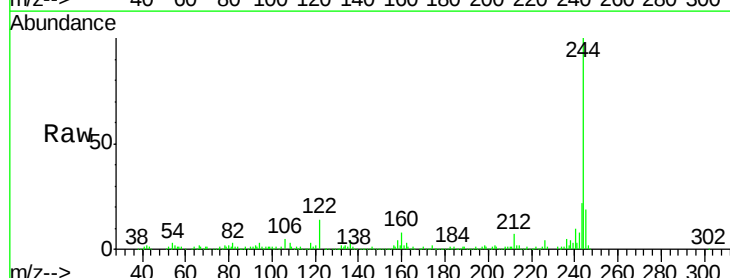
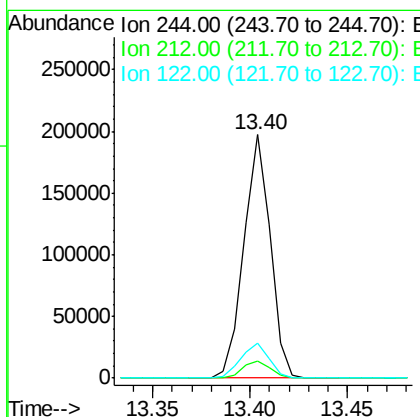
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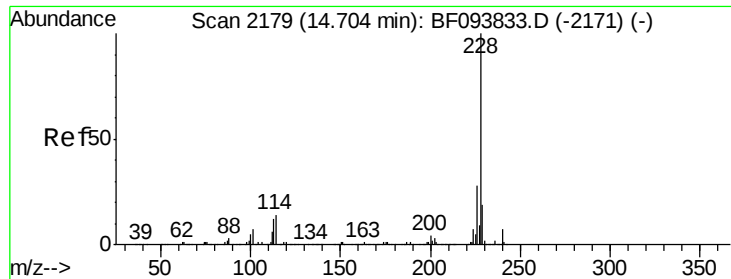
mohammad
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#78
Terphenyl-d14
Concen: 13.88 ng
RT: 13.40 min Scan# 1958
Delta R.T. -0.04 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	186037		
212	7.1		6.0	9.0
122	14.2		10.3	15.5





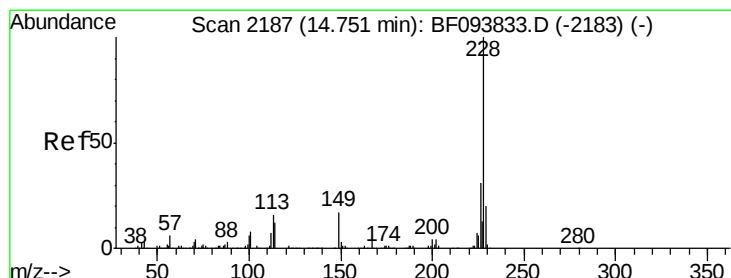
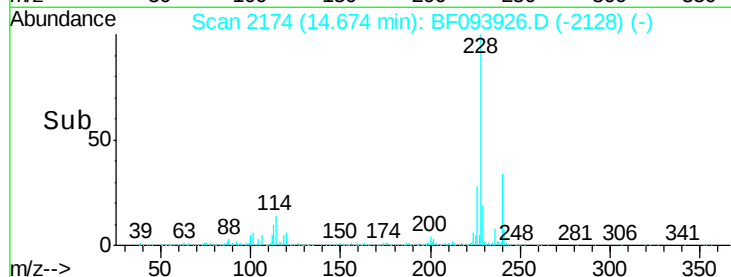
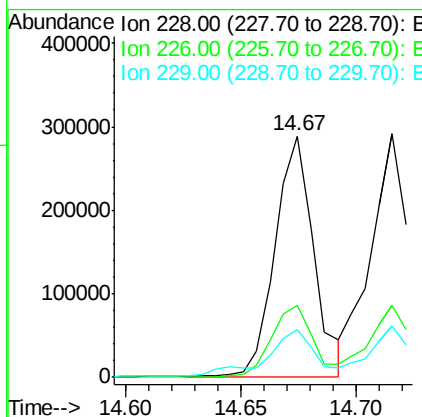
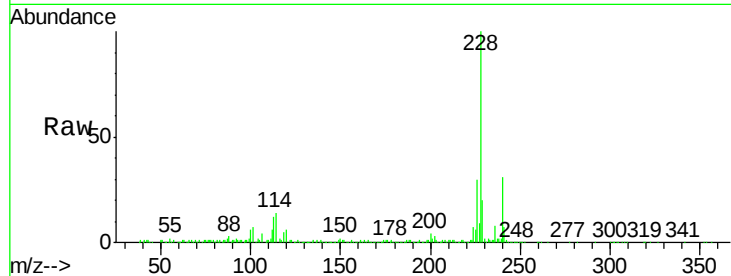
#80
Benzo(a)anthracene
Concen: 19.03 ng
RT: 14.67 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Instrument :
BNA_F
ClientSampleId :
E2-R13-SSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	19.7	16.3	24.5

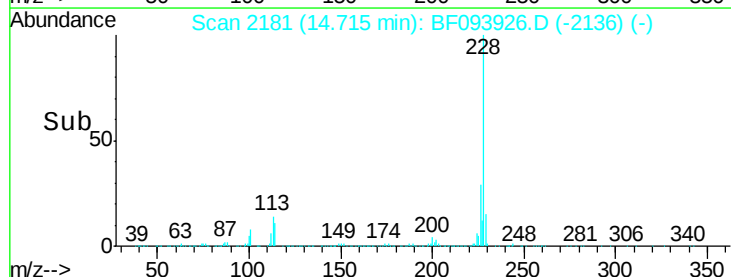
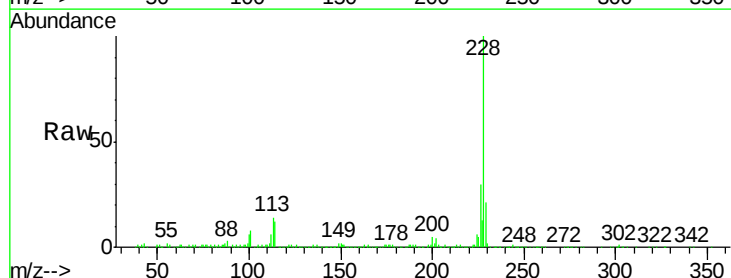
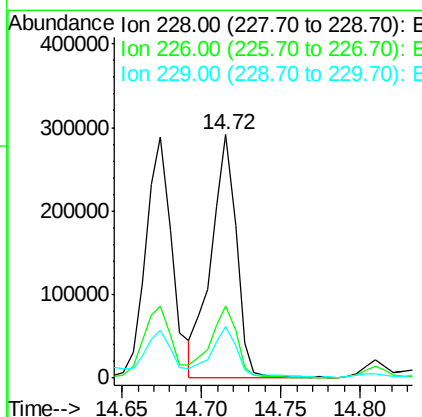
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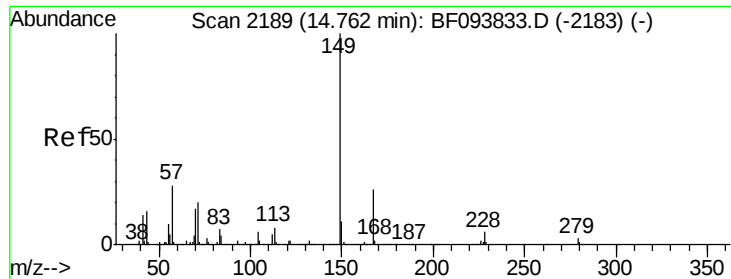
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#82
Chrysene
Concen: 19.85 ng
RT: 14.72 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	21.1	15.8	23.6





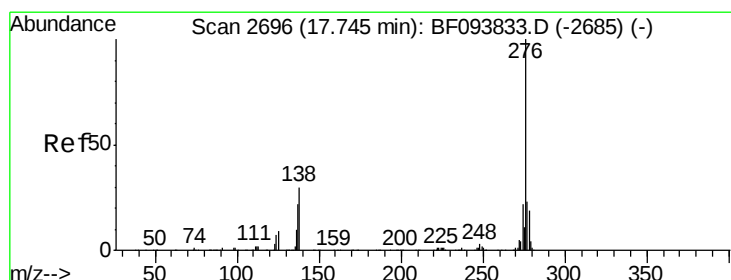
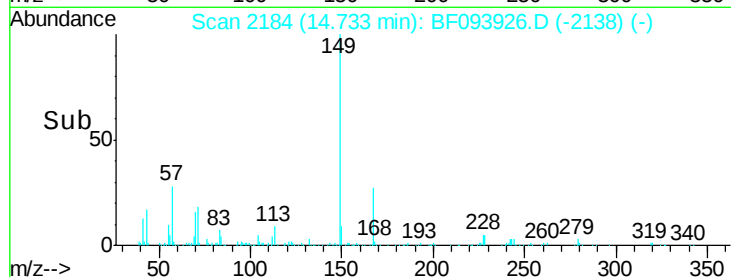
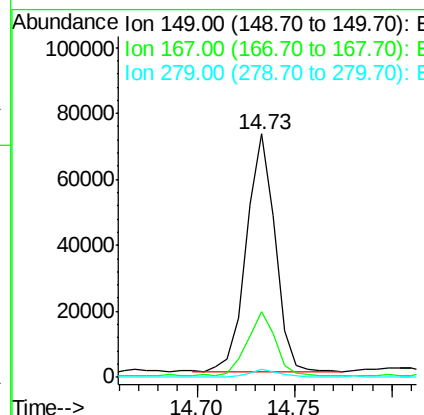
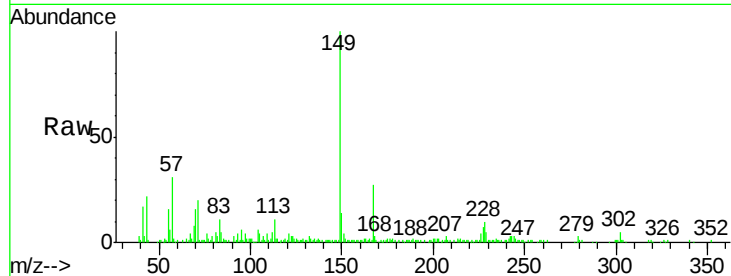
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.81 ng
 RT: 14.73 min Scan# 2184
 Delta R.T. -0.03 min
 Lab File: BF093926.D
 Acq: 25 Mar 2017 00:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-R13-SSW

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.0	31.4
279	3.3	1.9	2.9

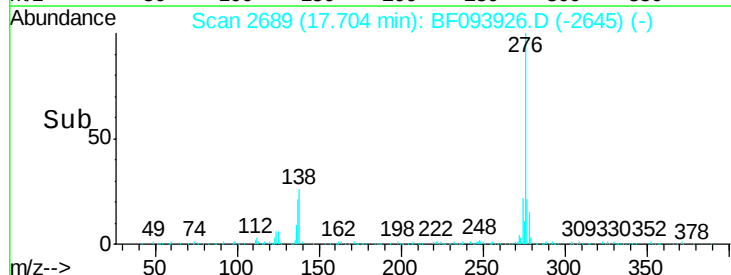
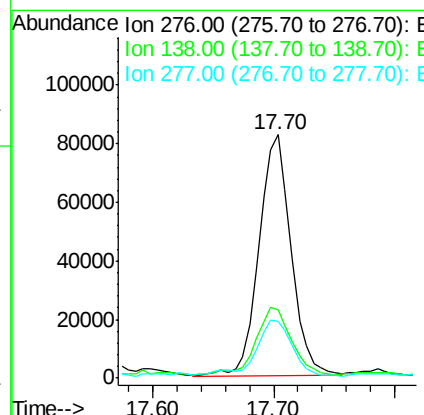
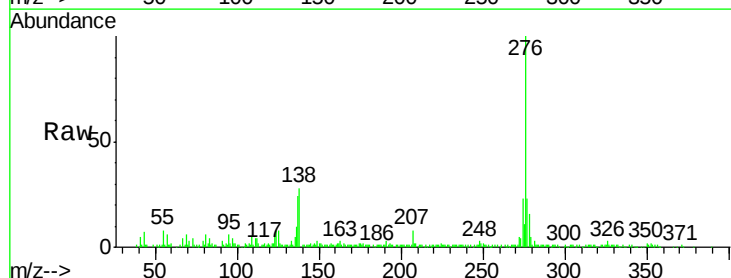
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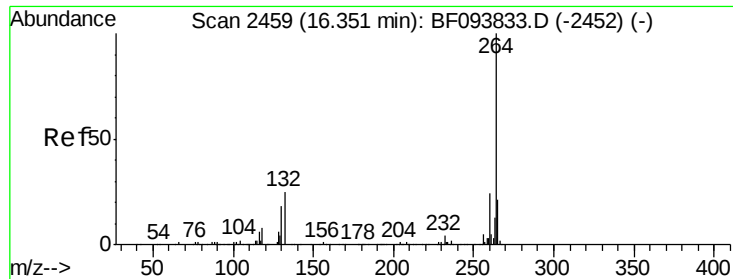
mohammad
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.83 ng
 RT: 17.70 min Scan# 2689
 Delta R.T. -0.04 min
 Lab File: BF093926.D
 Acq: 25 Mar 2017 00:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.7	27.8	41.6
277	26.1	20.2	30.4





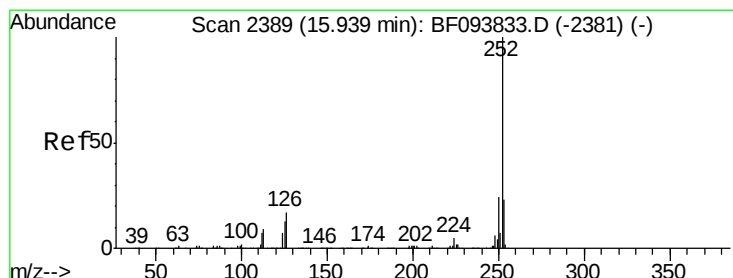
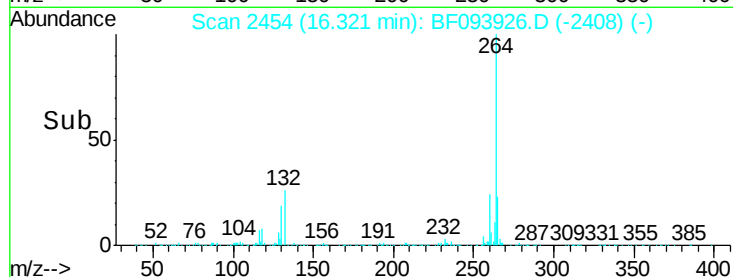
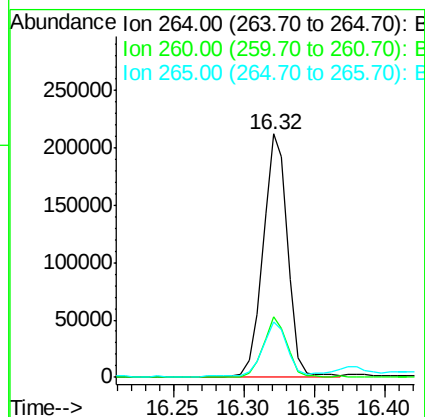
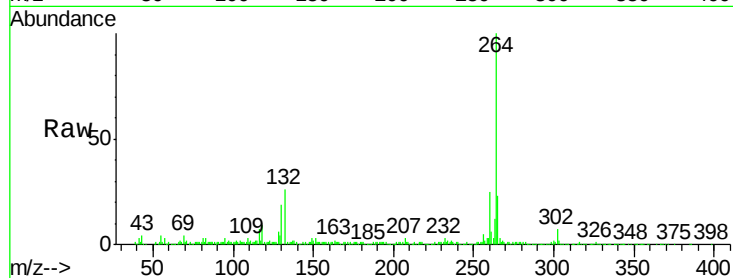
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.32 min Scan# 2454
Delta R.T. -0.03 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Instrument :
BNA_F
ClientSampleId :
E2-R13-SSW

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	23.0	17.2	25.8

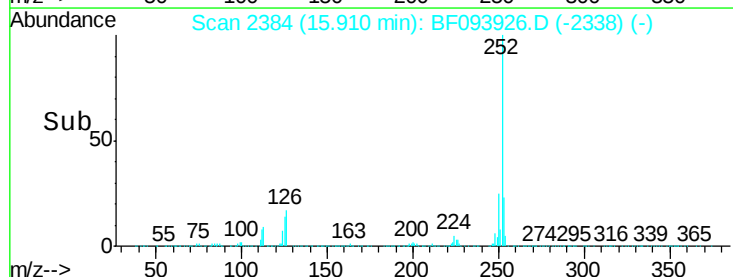
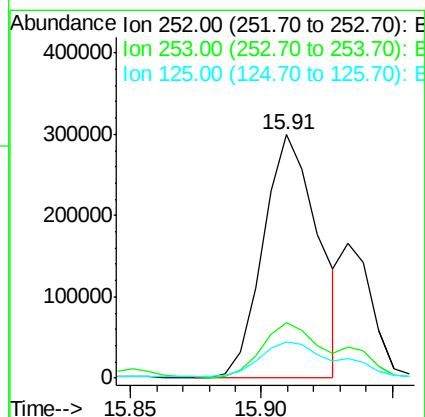
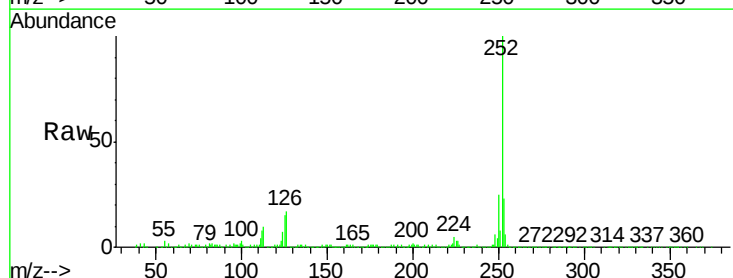
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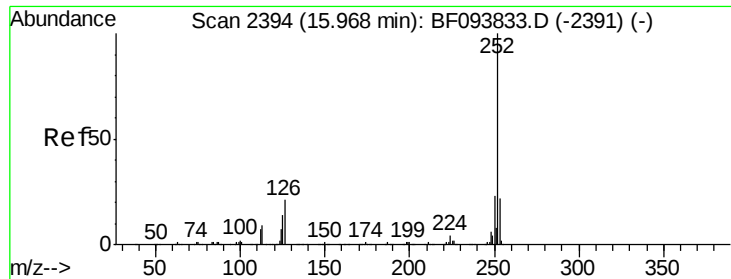
mohammad
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#87
Benzo(b)fluoranthene
Concen: 27.86 ng m
RT: 15.91 min Scan# 2384
Delta R.T. -0.03 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	14.8	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 8.92 ng m

RT: 15.93 min Scan# 2388

Delta R.T. -0.04 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

Instrument :

BNA_F

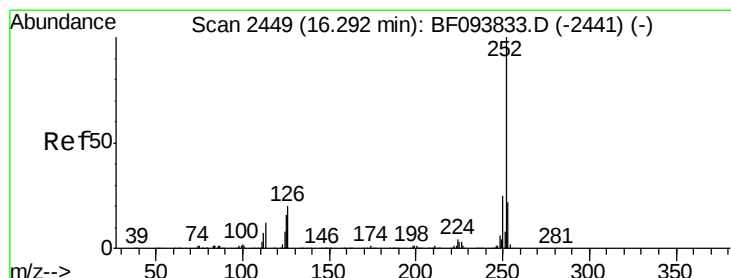
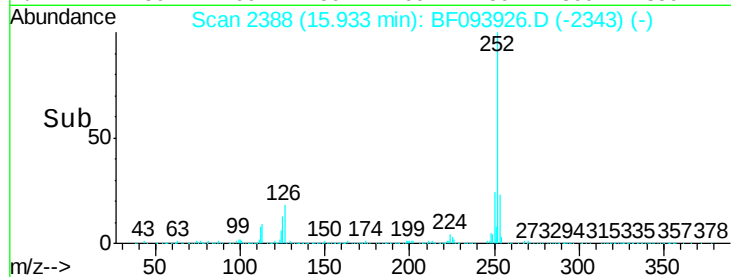
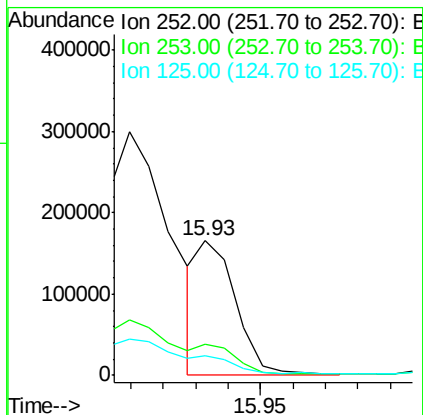
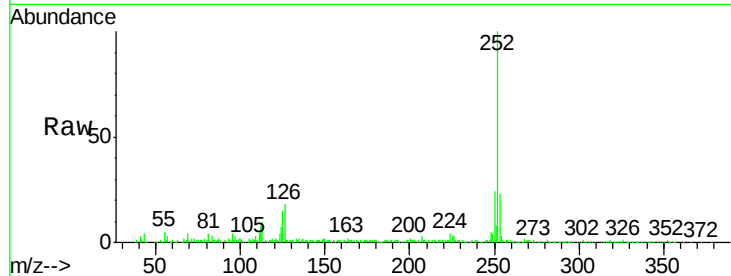
ClientSampleId :

E2-R13-SSW

Tot Ion:	252	Resp:	138022
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.4	27.6
125	14.6	13.1	19.7

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#89

Benzo(a)pyrene

Concen: 17.63 ng

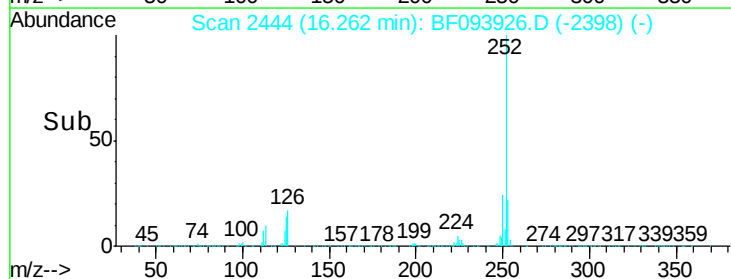
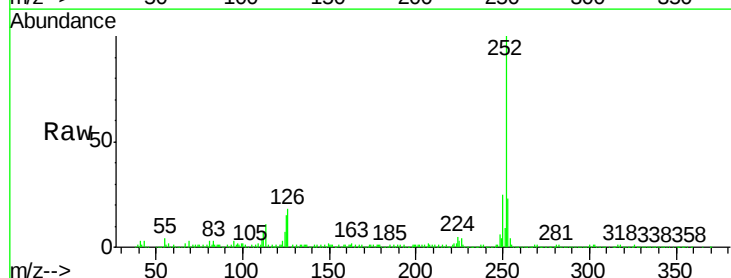
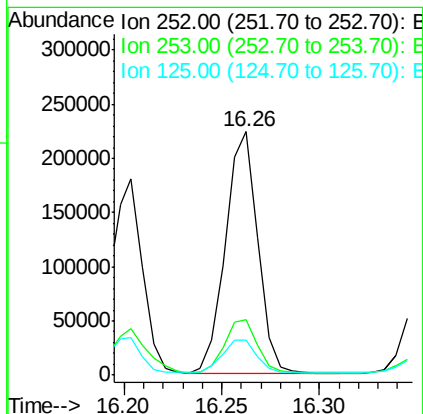
RT: 16.26 min Scan# 2444

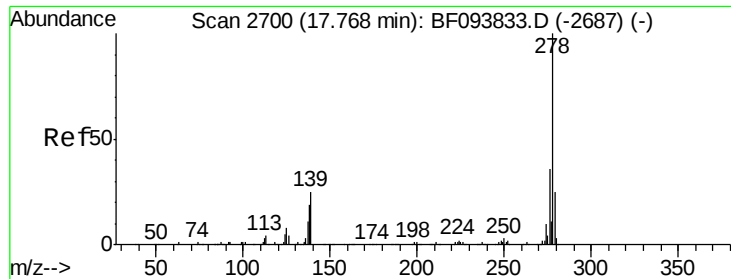
Delta R.T. -0.03 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

Tgt Ion:	252	Resp:	256686
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.5	26.3
125	14.5	11.0	16.4





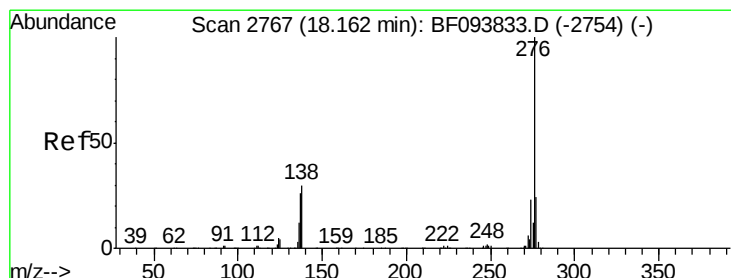
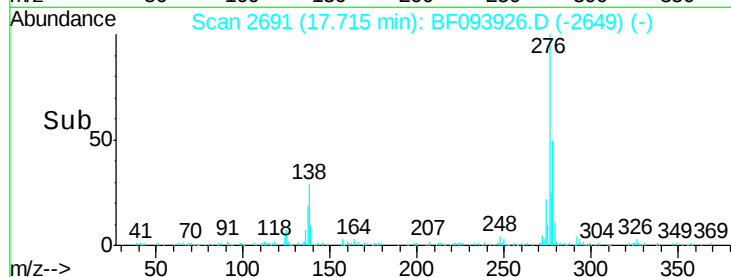
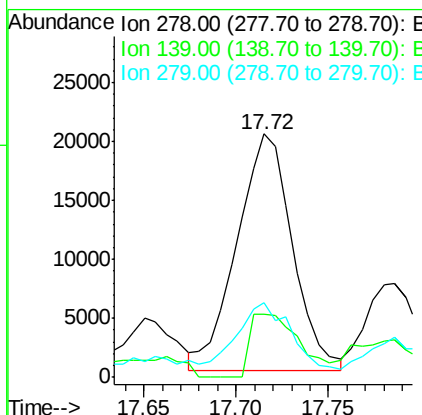
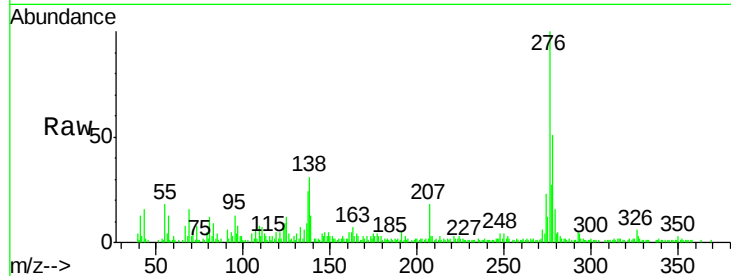
#90
Dibenzo(a,h)anthracene
Concen: 3.38 ng m
RT: 17.72 min Scan# 2691
Delta R.T. -0.05 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Instrument :
BNA_F
ClientSampleId :
E2-R13-SSW

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.9	16.6	24.8#
279	30.7	19.3	28.9#

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#91
Benzo(g,h,i)perylene
Concen: 10.97 ng
RT: 18.11 min Scan# 2758
Delta R.T. -0.05 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	31.6	25.4	38.0

