

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
 Data File : BF094506.D
 Acq On : 19 Apr 2017 00:23
 Operator : SJ/MA
 Sample : I2707-04 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-XY67-BASE

Manual Integrations
 APPROVED

mohammad
 4/19/2017 1:33:55 PM

Quant Time: Apr 19 04:09:11 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	106936	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	404542	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	140816	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	254022	20.00	ng	0.00
75) Chrysene-d12	14.47	240	239660	20.00	ng	0.00
86) Perylene-d12	16.10	264	181425	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	327966	50.88	ng	0.02
7) Phenol-d6	5.40	99	388850	51.17	ng	0.00
23) Nitrobenzene-d5	6.41	82	218187	33.30	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	57631	52.32	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	401536	41.96	ng	0.00
78) Terphenyl-d14	13.19	244	295312	32.94	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.22	152	47780	3.35	ng	98
49) Dimethylphthalate	9.09	163	92121	8.78	ng	98
70) Phenanthrene	11.25	178	80801	5.65	ng	97
71) Anthracene	11.31	178	38421	2.60	ng	97
74) Fluoranthene	12.71	202	354883	23.94	ng	98
77) Pyrene	12.99	202	358941	21.44	ng	99
80) Benzo(a)anthracene	14.46	228	195147	14.01	ng	98
82) Chrysene	14.50	228	193933	15.23	ng	97
85) Indeno(1,2,3-cd)pyrene	17.38	276	112797	9.31	ng	96
87) Benzo(b)fluoranthene	15.70	252	290637m	26.19	ng	
88) Benzo(k)fluoranthene	15.72	252	78006m	7.43	ng	
89) Benzo(a)pyrene	16.04	252	181833	17.61	ng	96
90) Dibenzo(a,h)anthracene	17.39	278	31572	3.68	ng	# 79
91) Benzo(g,h,i)perylene	17.76	276	140451	16.09	ng	95

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

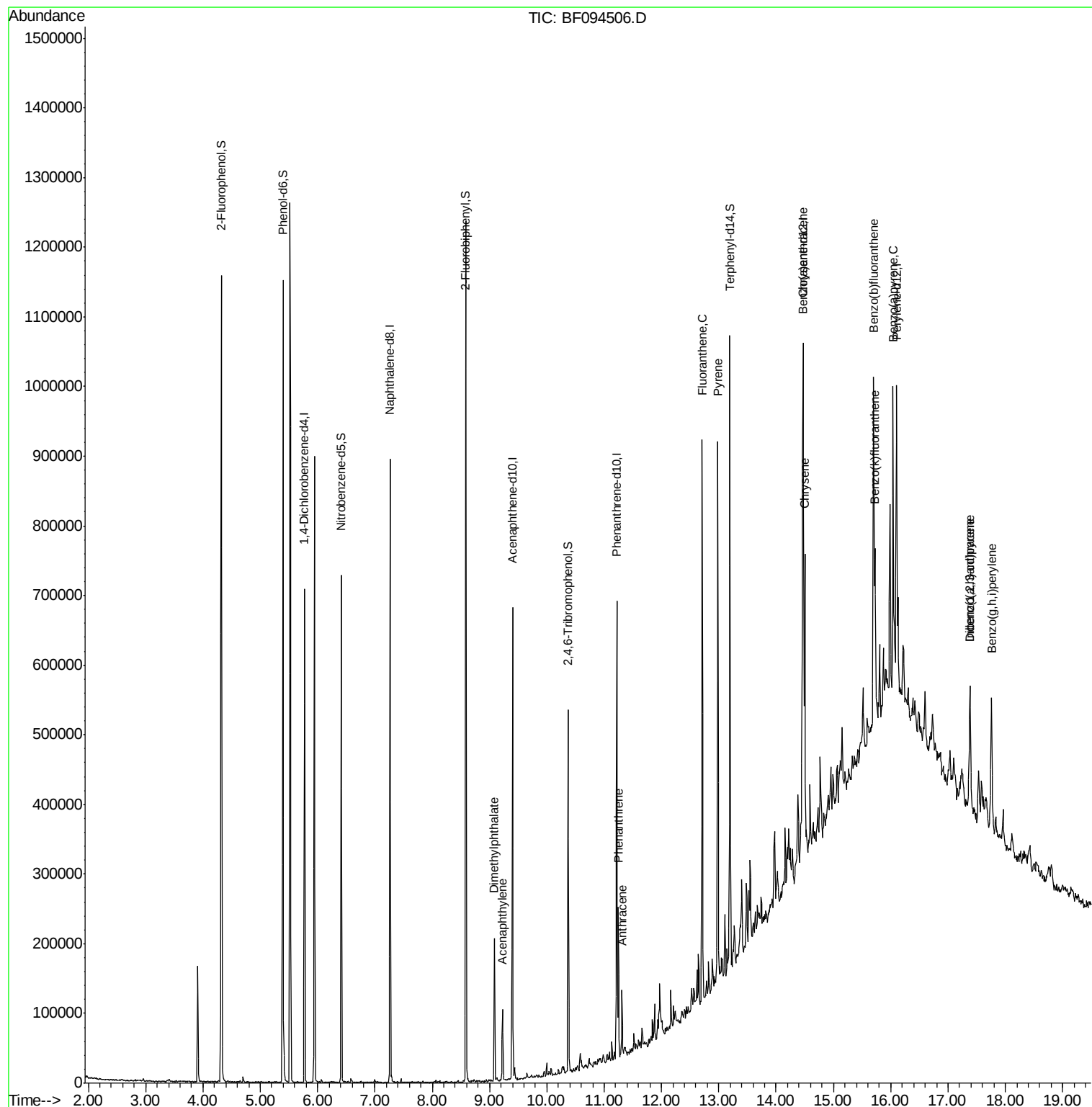
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
Data File : BF094506.D
Acq On : 19 Apr 2017 00:23
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Misc :
ALS Vial : 18 Sample Multiplier: 1

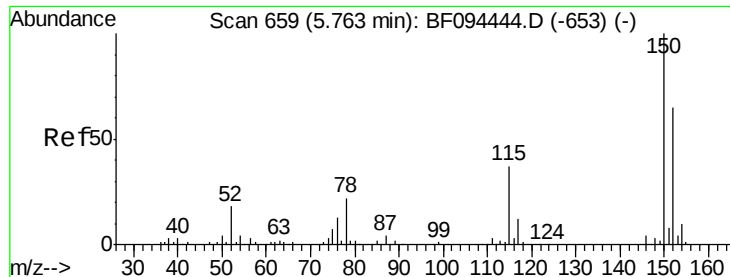
Instrument :
BNA_F
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E2-XY67-BASE

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Quant Time: Apr 19 04:09:11 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

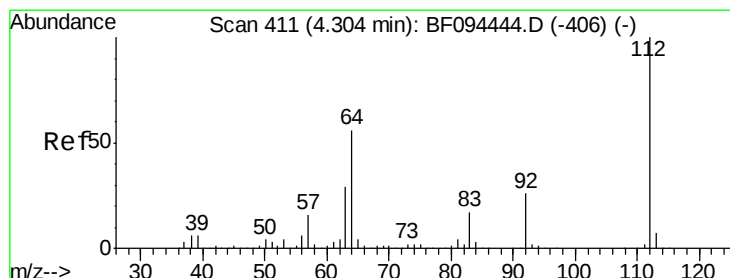
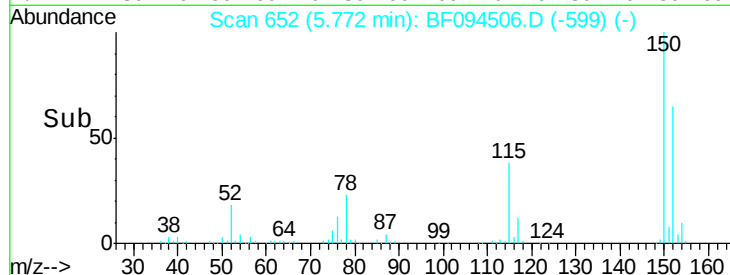
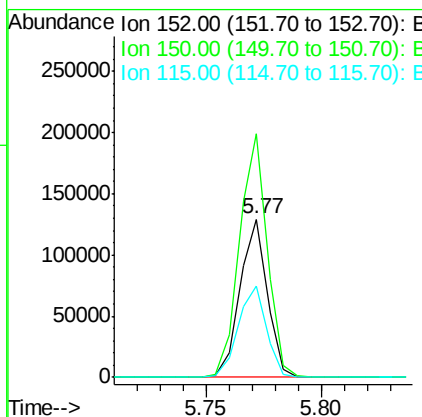
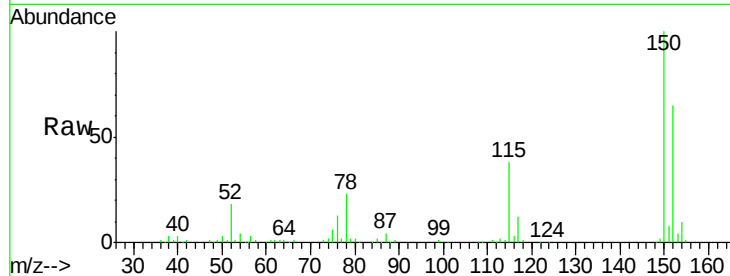
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :
E2-XY67-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.2
115	58.1	52.2	78.2

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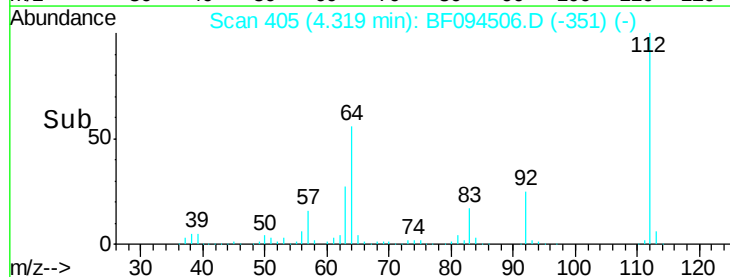
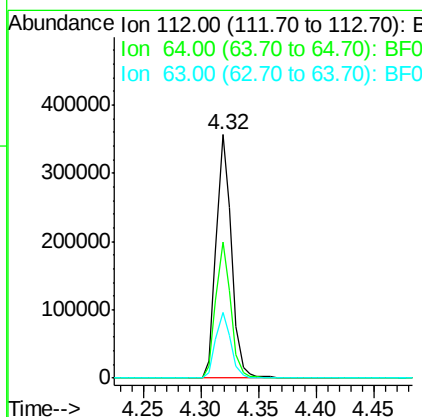
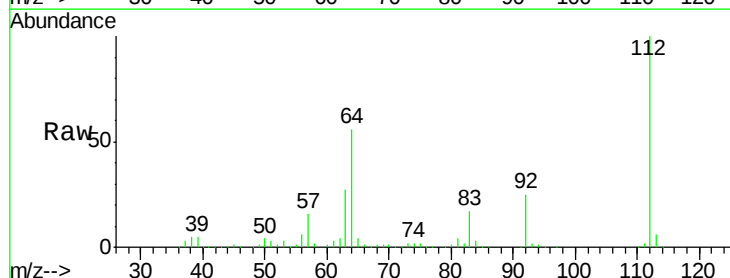
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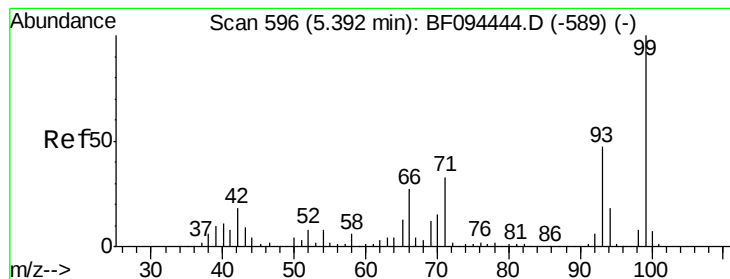


#5

2-Fluorophenol
Concen: 50.88 ng
RT: 4.32 min Scan# 405
Delta R.T. 0.02 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.0	69.0
63	26.7	23.4	35.0





#7

Phenol-d6

Concen: 51.17 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094506.D

Acq: 19 Apr 2017 00:23

Instrument :

BNA_F

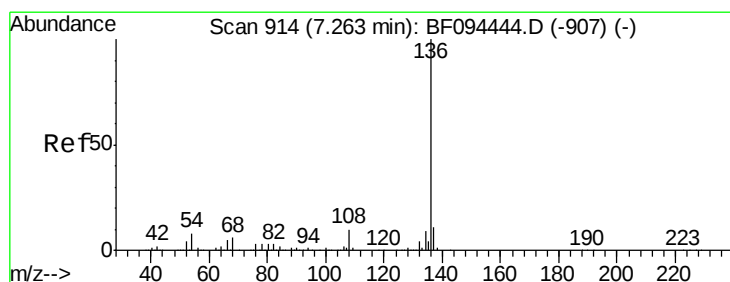
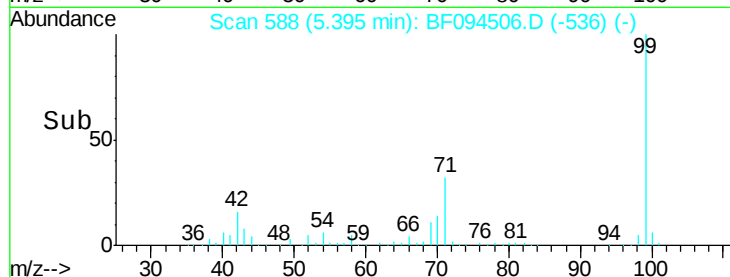
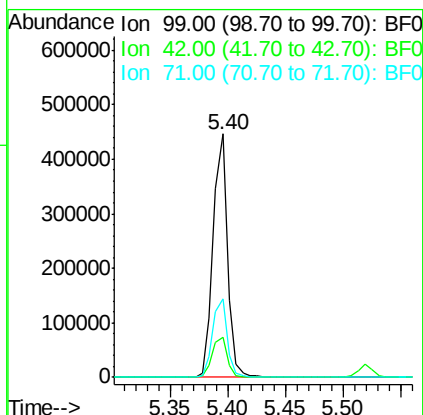
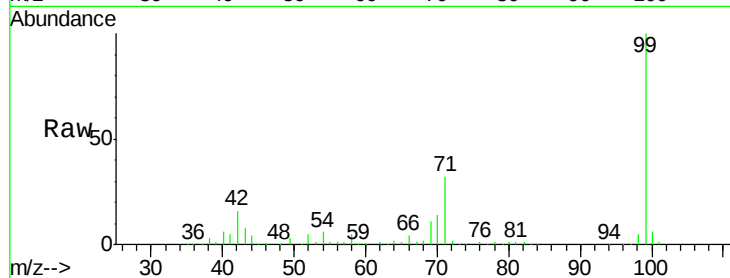
ClientSampleId :

E2-XY67-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		388850		
42	16.2	13.5	20.3		
71	32.0	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

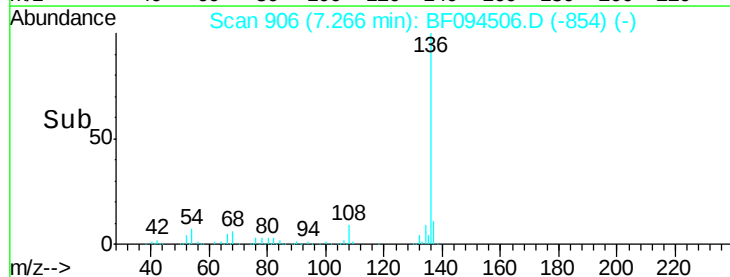
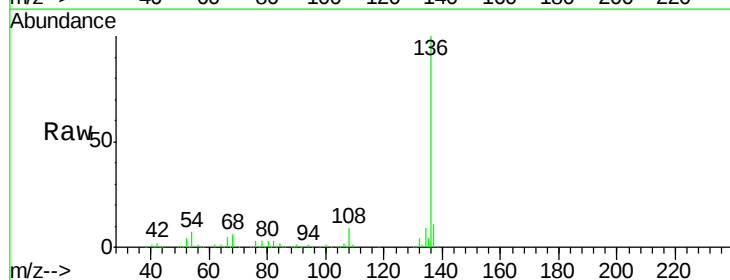
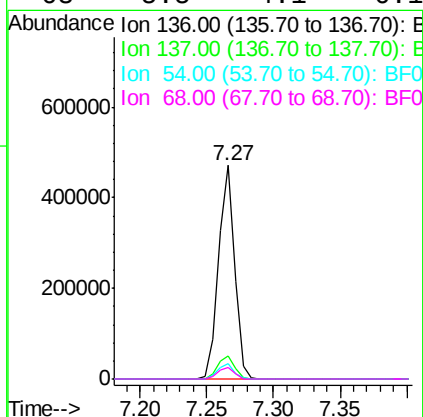
RT: 7.27 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF094506.D

Acq: 19 Apr 2017 00:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		404542		
137	10.6	8.5	12.7		
54	7.0	4.9	7.3		
68	5.5	4.1	6.1		





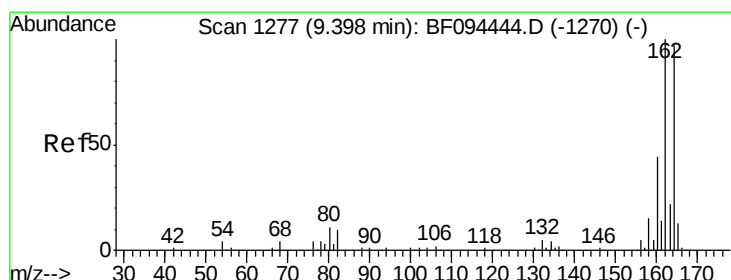
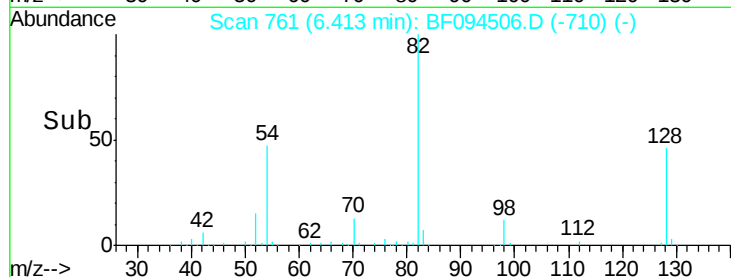
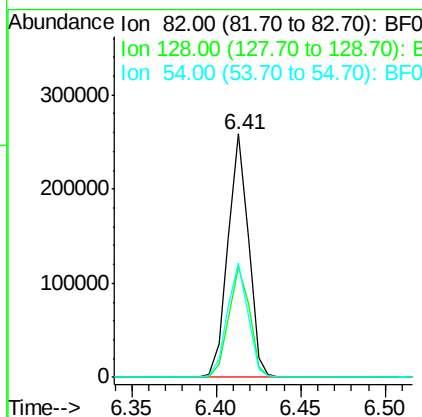
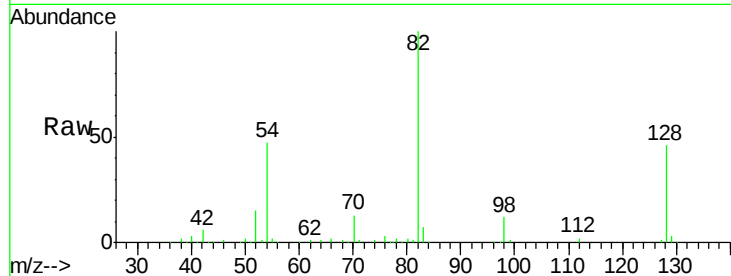
#23
 Nitrobenzene-d5
 Concen: 33.30 ng
 RT: 6.41 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF094506.D
 Acq: 19 Apr 2017 00:23

Instrument :
 BNA_F
 ClientSampleId :
 E2-XY67-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.0	51.0
54	47.0	42.2	63.2

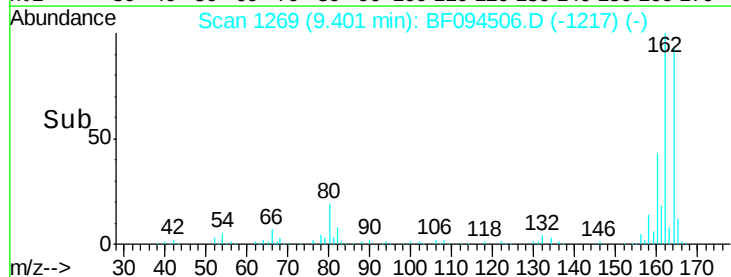
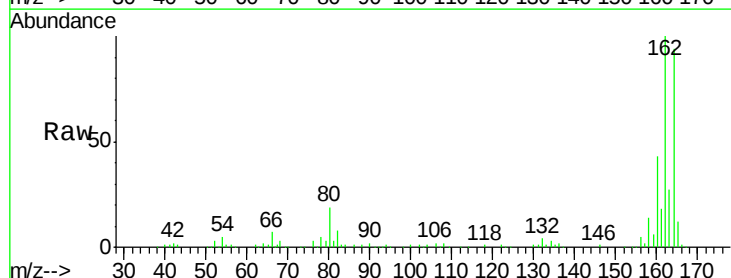
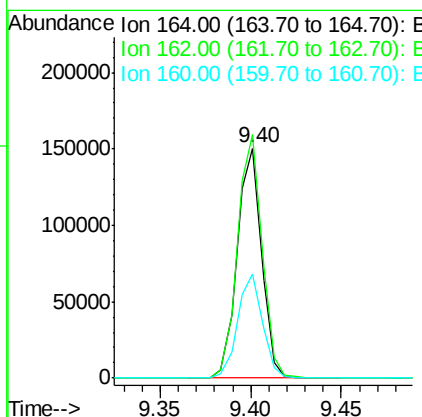
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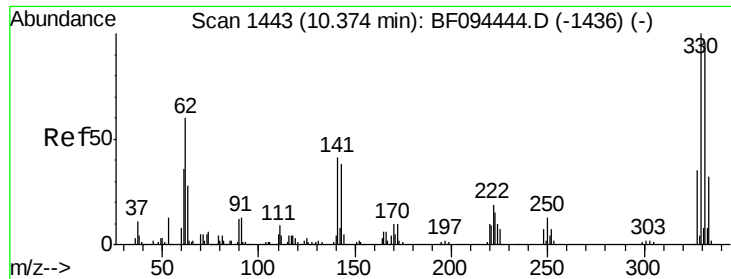
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: BF094506.D
 Acq: 19 Apr 2017 00:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	82.6	123.8
160	45.4	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 52.32 ng

RT: 10.37 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BF094506.D

Acq: 19 Apr 2017 00:23

Instrument :

BNA_F

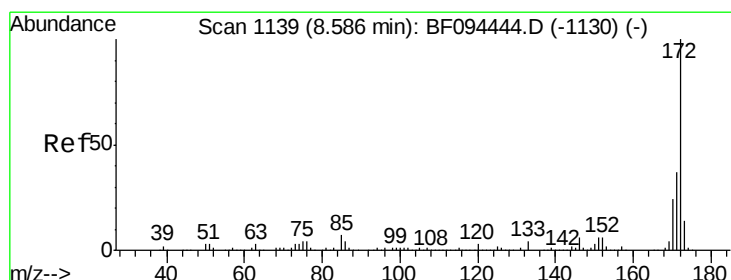
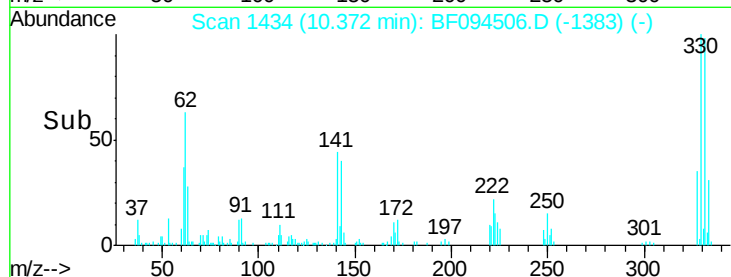
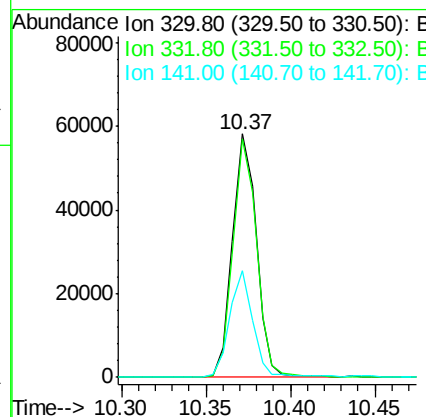
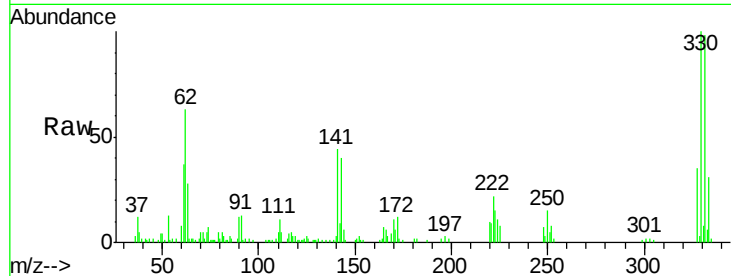
ClientSampleId :

E2-XY67-BASE

Tot Ion:	330	Resp:	57631
Ion Ratio	Lower	Upper	
330	100		
332	96.0	76.6	115.0
141	42.3	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 41.96 ng

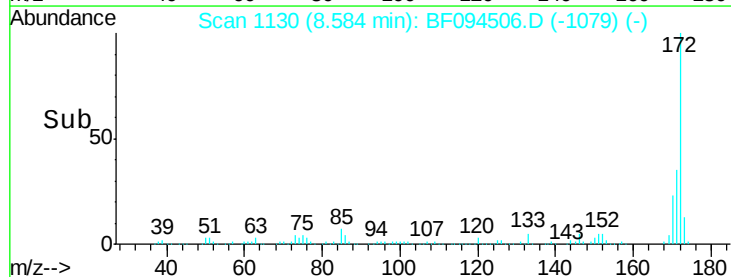
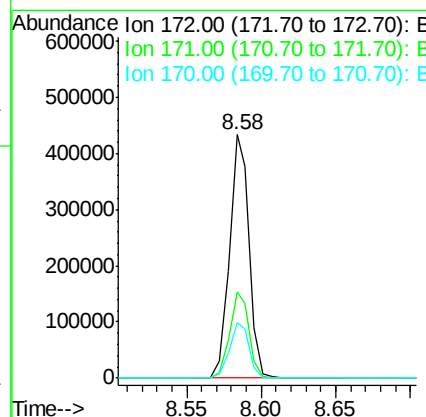
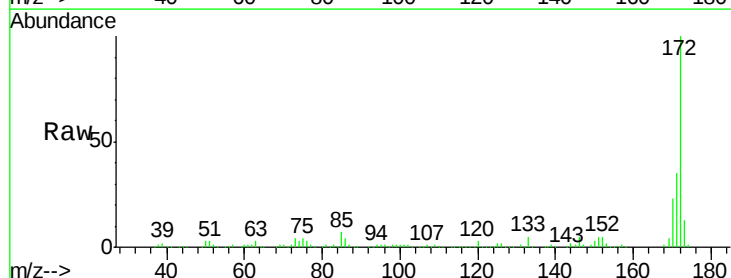
RT: 8.58 min Scan# 1130

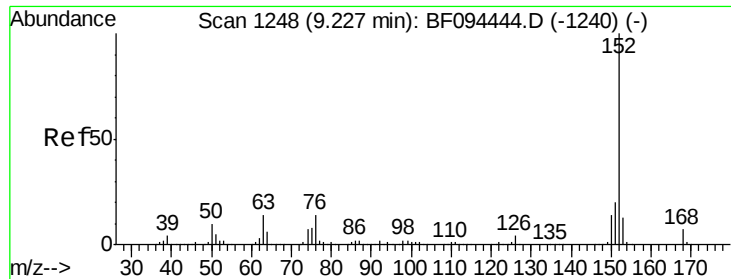
Delta R.T. -0.00 min

Lab File: BF094506.D

Acq: 19 Apr 2017 00:23

Tgt Ion:	172	Resp:	401536
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.6	44.4
170	22.8	19.8	29.8





#48

Acenaphthylene

Concen: 3.35 ng

RT: 9.22 min Scan# 1239

Delta R.T. -0.00 min

Lab File: BF094506.D

Acq: 19 Apr 2017 00:23

Instrument :

BNA_F

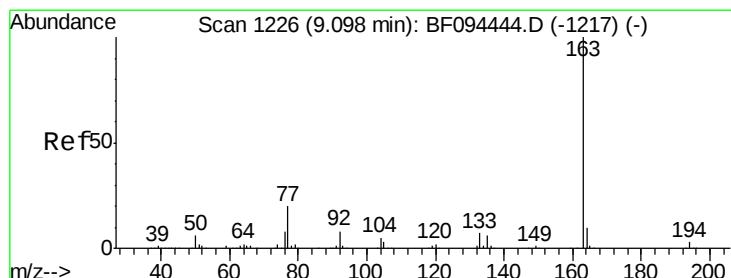
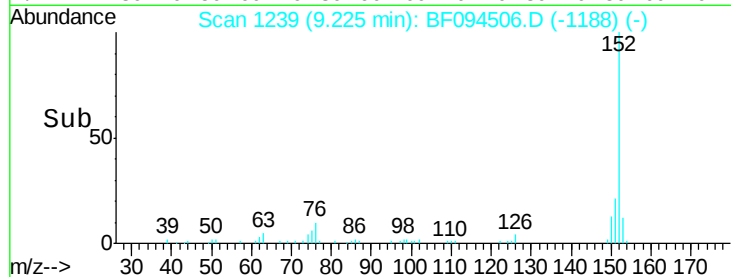
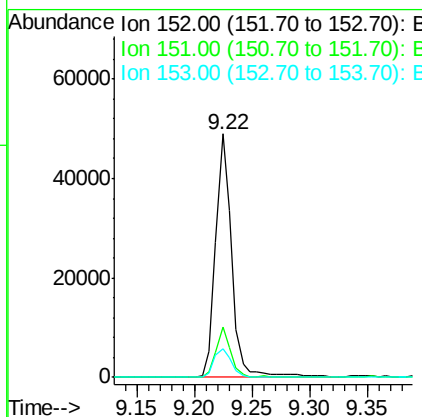
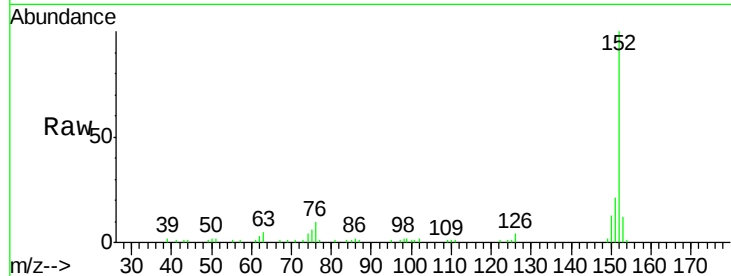
ClientSampleId :

E2-XY67-BASE

Tot Ion:	152	Resp:	47780
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.8	25.2
153	11.7	10.8	16.2

Manual Integrations
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#49

Dimethylphthalate

Concen: 8.78 ng

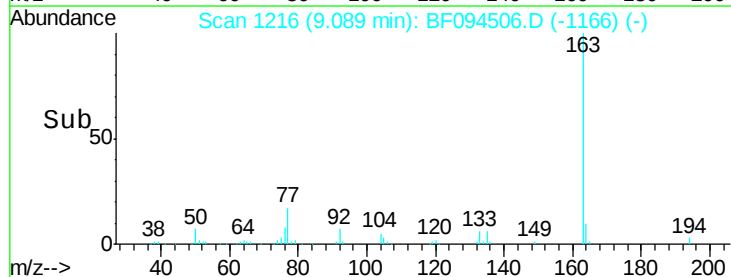
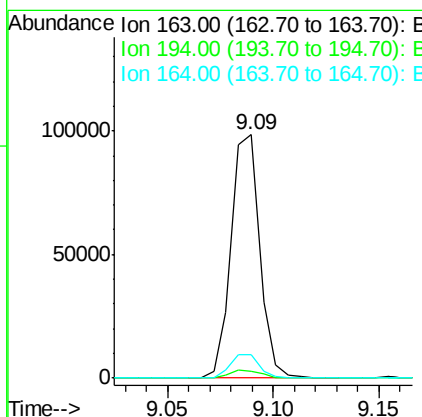
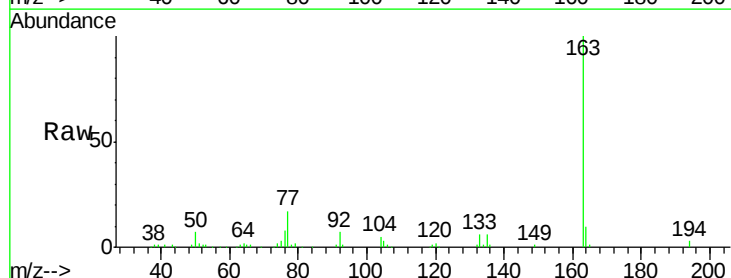
RT: 9.09 min Scan# 1216

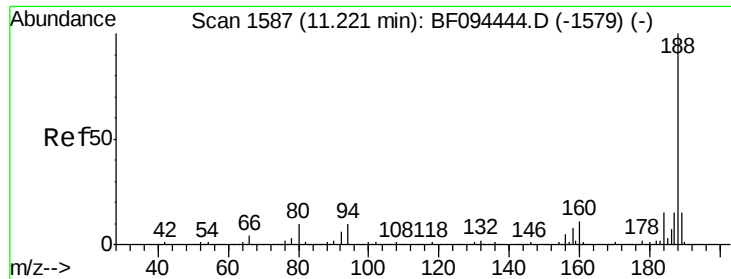
Delta R.T. -0.01 min

Lab File: BF094506.D

Acq: 19 Apr 2017 00:23

Tgt Ion:	163	Resp:	92121
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.6	4.0
164	9.6	8.4	12.6





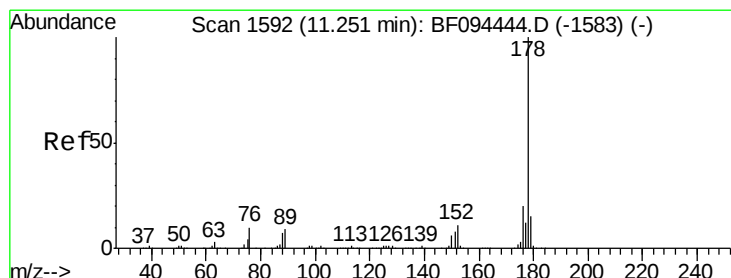
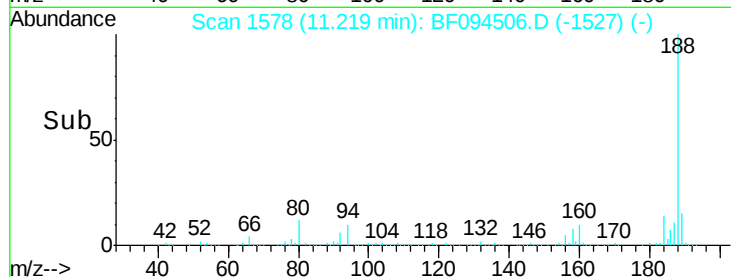
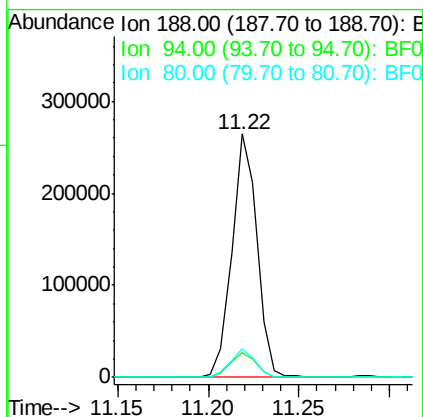
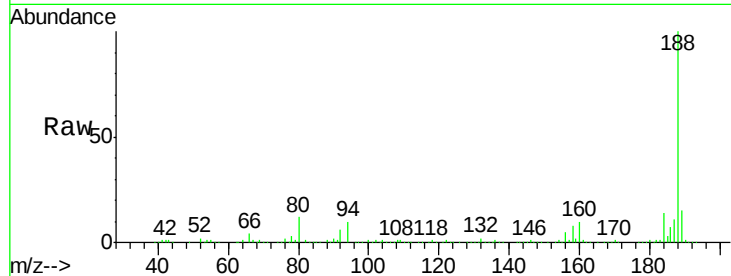
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :
E2-XY67-BASE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	254022		
94	10.2		9.4	14.2
80	11.8		10.2	15.2

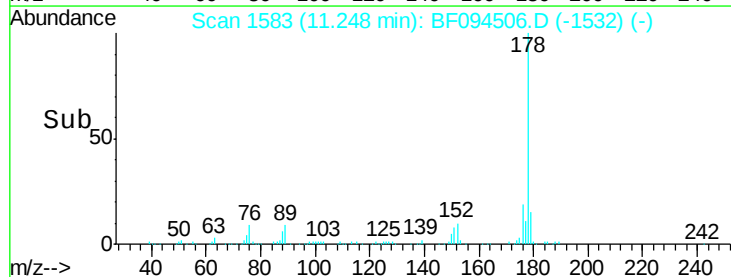
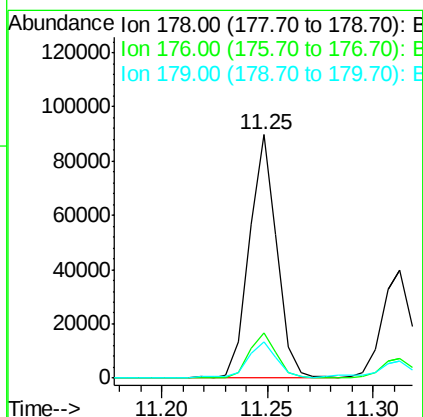
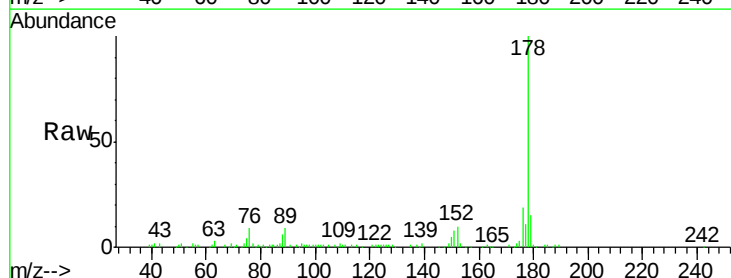
Manual Integrations
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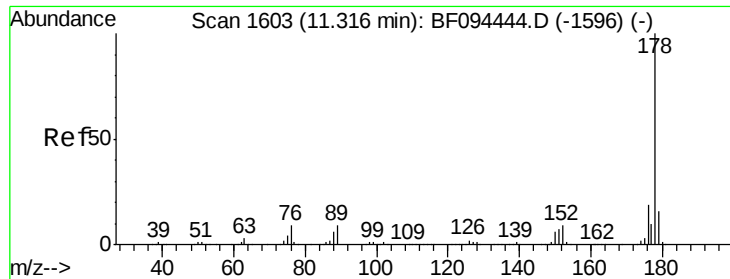
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#70
Phenanthrene
Concen: 5.65 ng
RT: 11.25 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	80801		
176	18.7		16.2	24.4
179	15.1		12.6	19.0





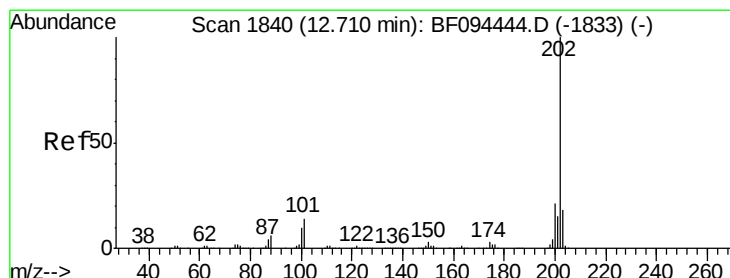
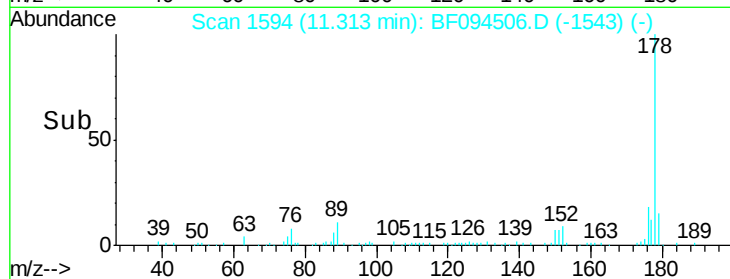
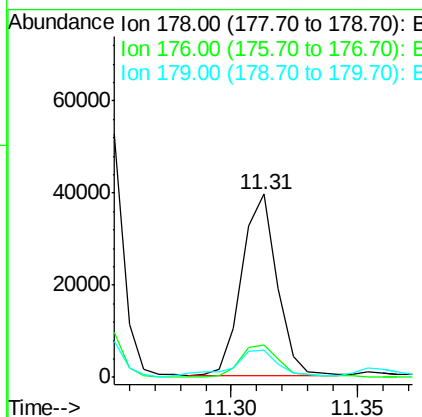
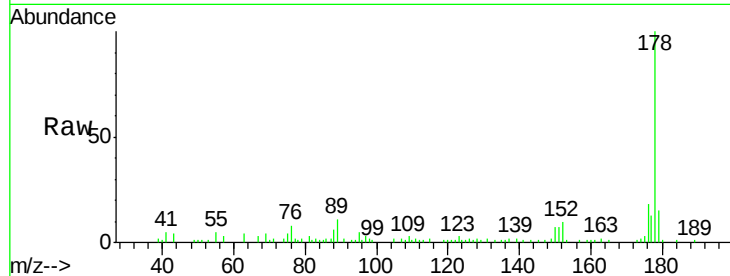
#71
 Anthracene
 Concen: 2.60 ng
 RT: 11.31 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: BF094506.D
 Acq: 19 Apr 2017 00:23

Instrument :
 BNA_F
 ClientSampleId :
 E2-XY67-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.8
179	15.3	12.7	19.1

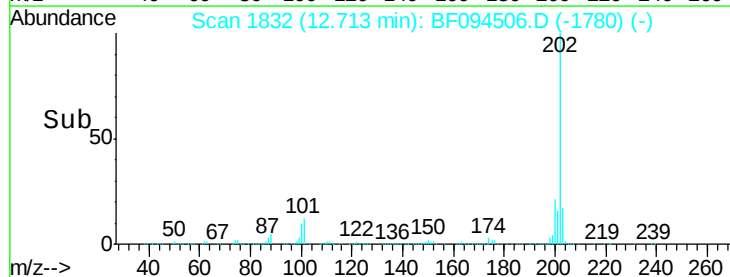
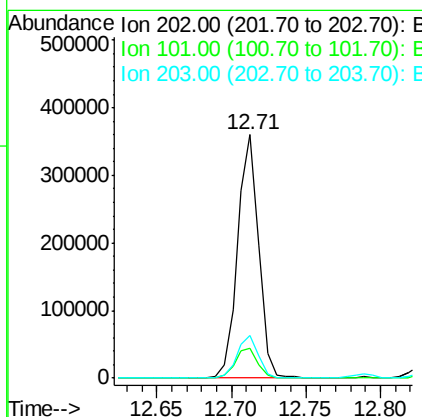
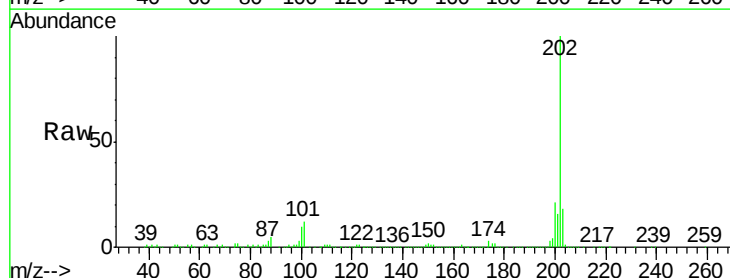
Manual Integrations
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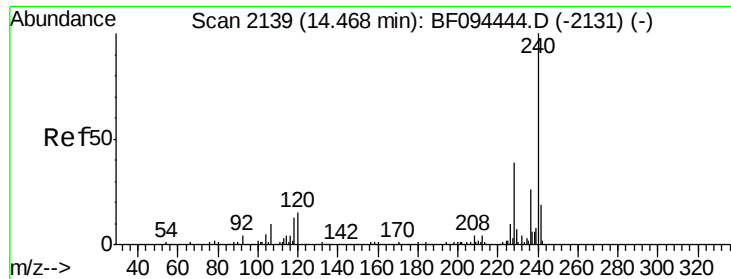
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#74
 Fluoranthene
 Concen: 23.94 ng
 RT: 12.71 min Scan# 1832
 Delta R.T. 0.00 min
 Lab File: BF094506.D
 Acq: 19 Apr 2017 00:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BF094506.D

Acq: 19 Apr 2017 00:23

Instrument :

BNA_F

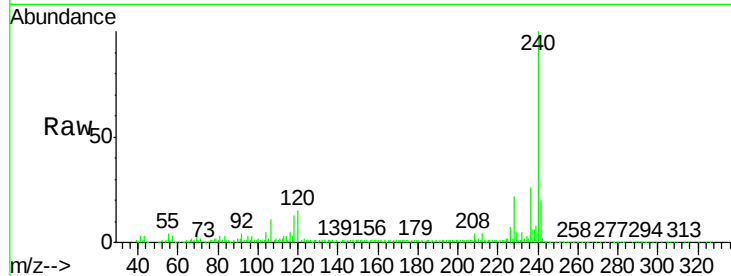
ClientSampleId :

E2-XY67-BASE

Tot Ion:	240	Resp:	239660
Ion Ratio	Lower	Upper	
240	100		
120	14.5	5.8	8.8#
236	26.1	20.5	30.7

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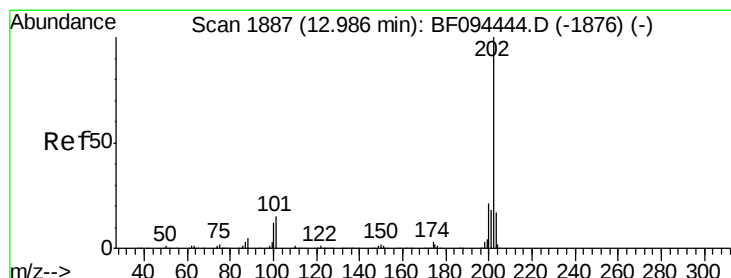
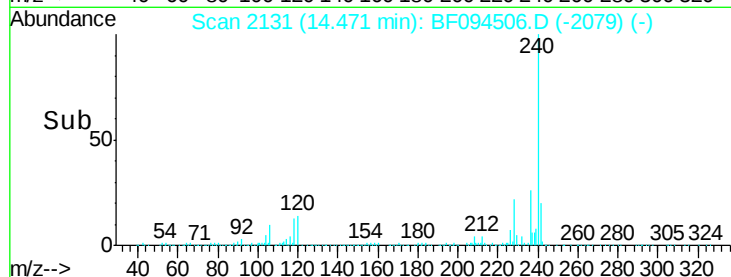
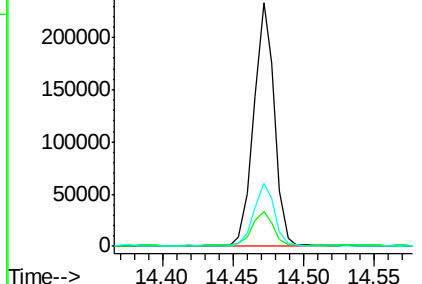
mohammad
4/19/2017 1:33:55 PM



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



#77

Pyrene

Concen: 21.44 ng

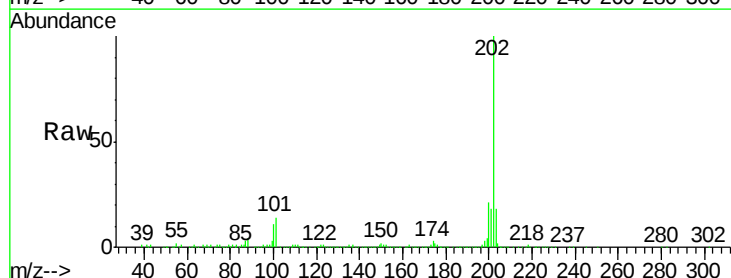
RT: 12.99 min Scan# 1879

Delta R.T. 0.00 min

Lab File: BF094506.D

Acq: 19 Apr 2017 00:23

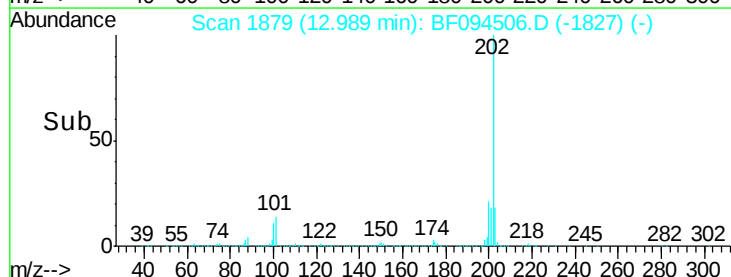
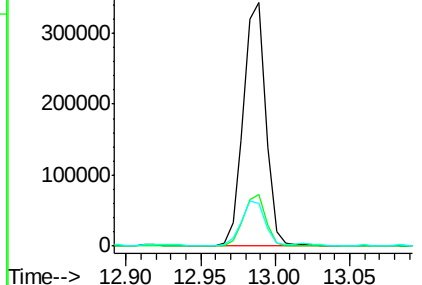
Tgt Ion:	202	Resp:	358941
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.6	26.4
203	17.7	14.4	21.6

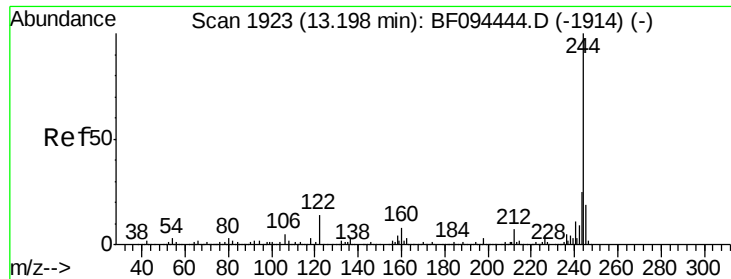


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





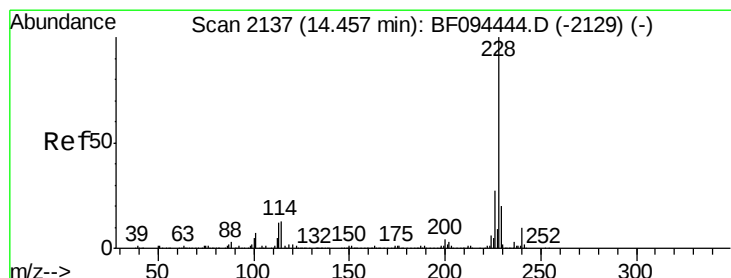
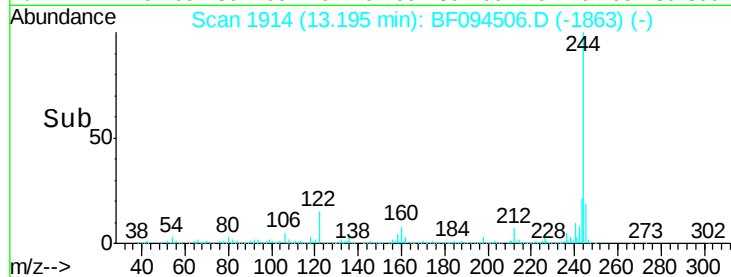
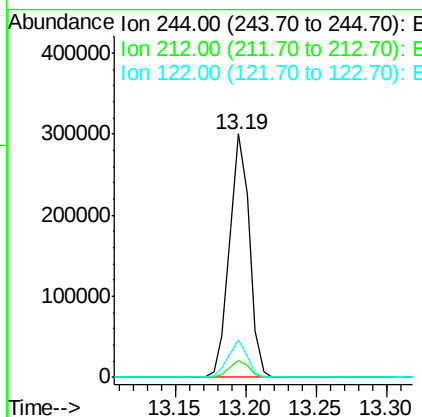
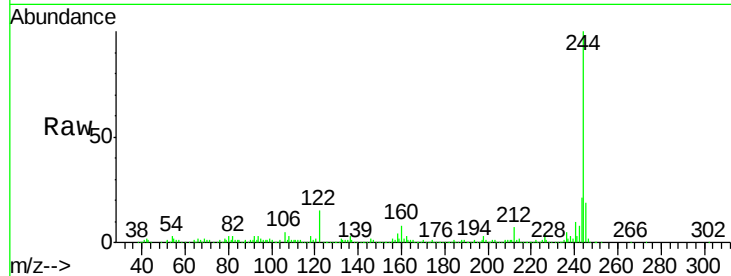
#78
 Terphenyl-d14
 Concen: 32.94 ng
 RT: 13.19 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: BF094506.D
 Acq: 19 Apr 2017 00:23

Instrument :
 BNA_F
 ClientSampleId :
 E2-XY67-BASE

Tot Ion:244	Resp:	295312
Ion Ratio	Lower	Upper
244 100		
212 7.2	6.0	9.0
122 15.2	10.3	15.5

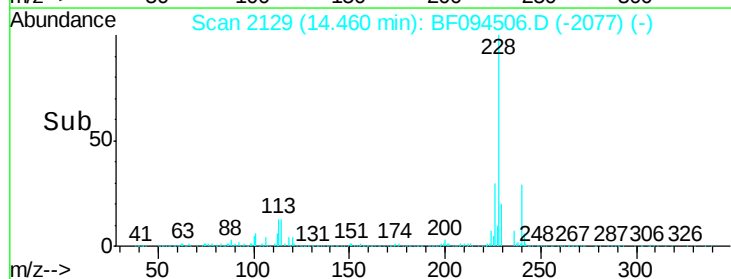
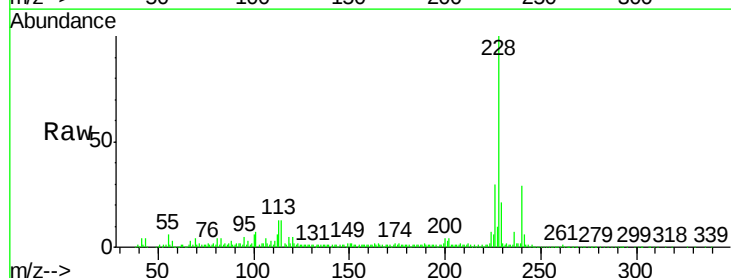
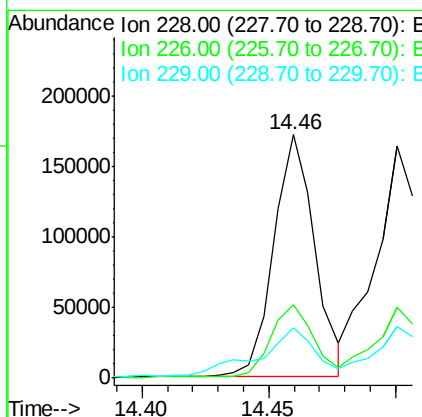
Manual Integrations
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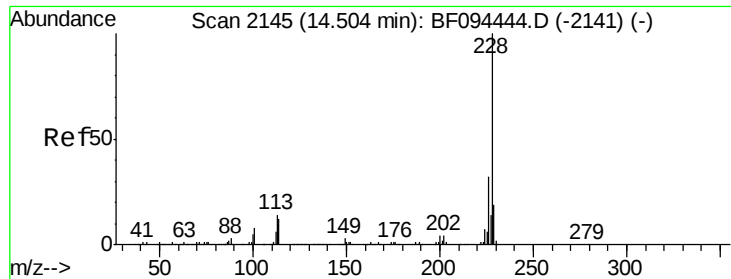
mohammad
 4/19/2017 1:33:55 PM



#80
 Benzo(a)anthracene
 Concen: 14.01 ng
 RT: 14.46 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: BF094506.D
 Acq: 19 Apr 2017 00:23

Tgt Ion:228	Resp:	195147
Ion Ratio	Lower	Upper
228 100		
226 30.1	22.6	33.8
229 20.8	16.3	24.5





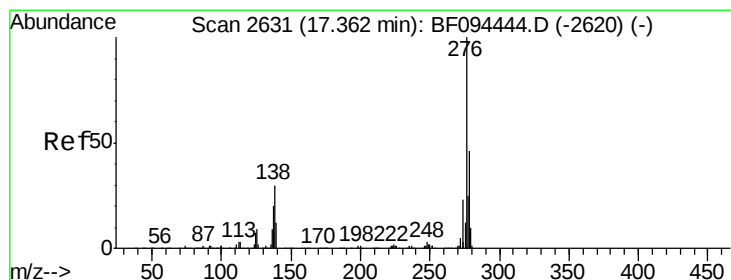
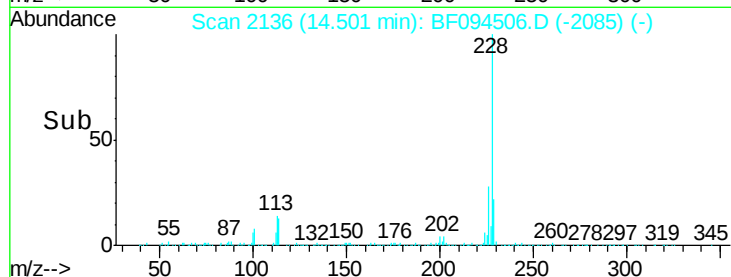
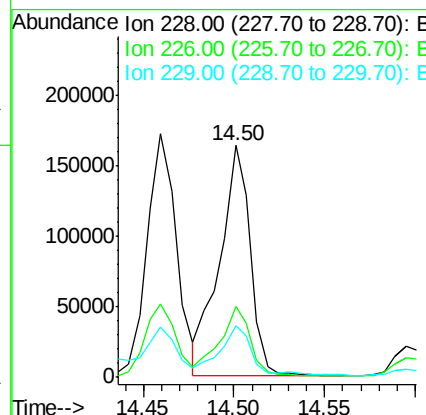
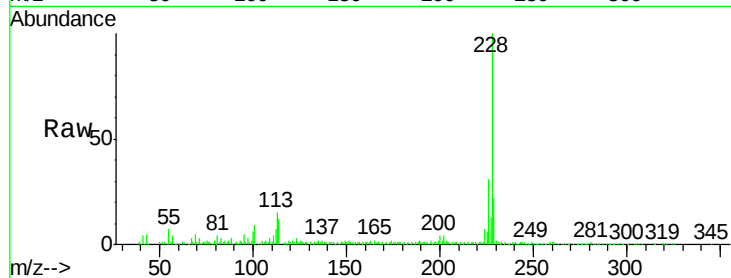
#82
Chrysene
Concen: 15.23 ng
RT: 14.50 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :
E2-XY67-BASE

Tot Ion:	228	Resp:	193933
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.9	37.3
229	22.4	15.8	23.6

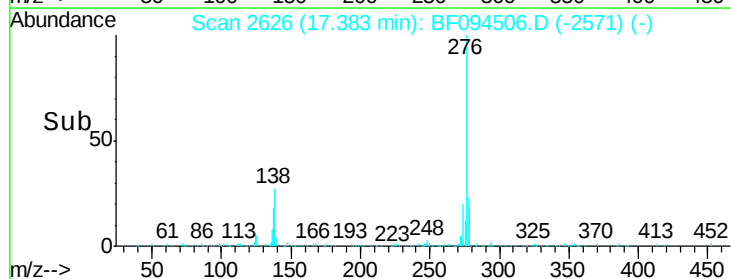
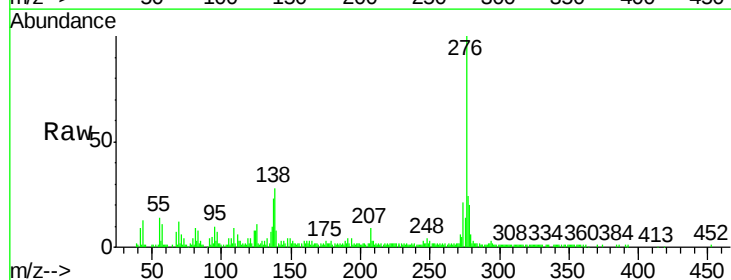
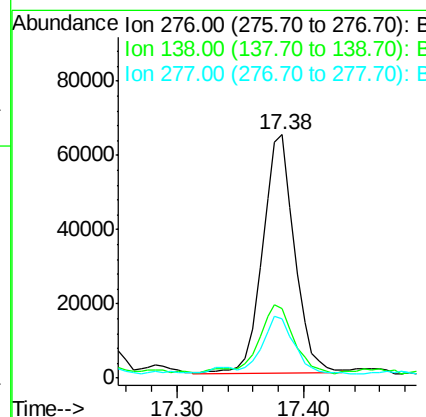
Manual Integrations
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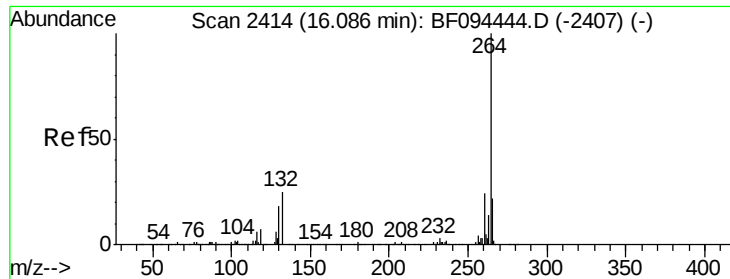
mohammad
4/19/2017 1:33:55 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 9.31 ng
RT: 17.38 min Scan# 2626
Delta R.T. 0.02 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion:	276	Resp:	112797
Ion Ratio	Lower	Upper	
276	100		
138	32.0	27.8	41.6
277	24.1	20.2	30.4





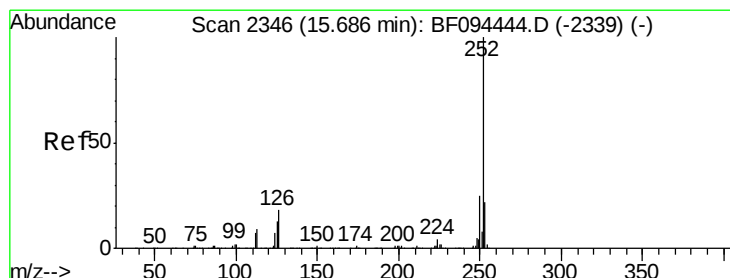
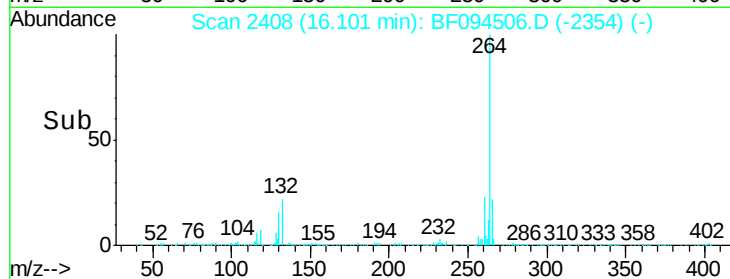
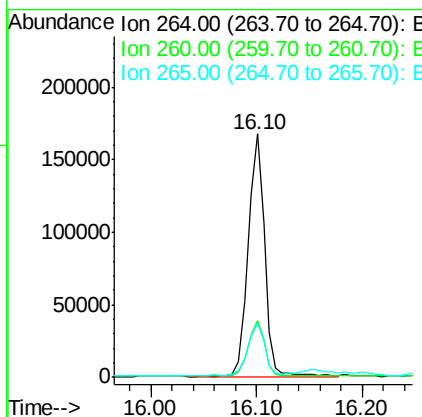
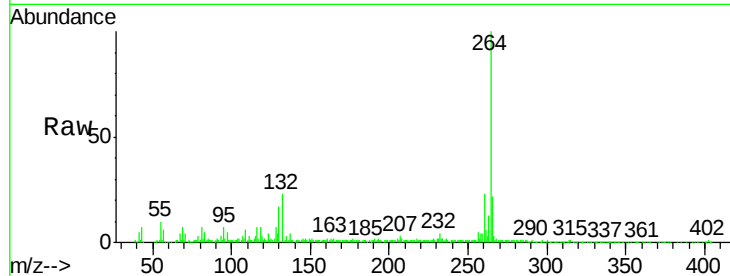
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :
E2-XY67-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	22.2	17.2	25.8

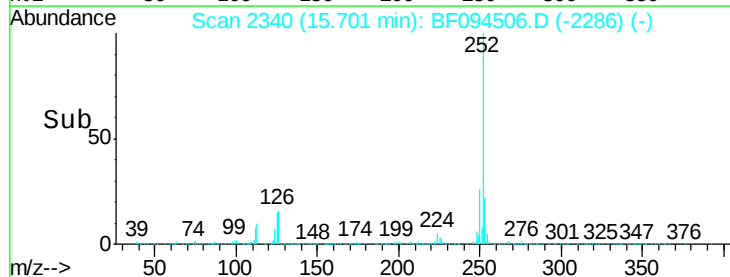
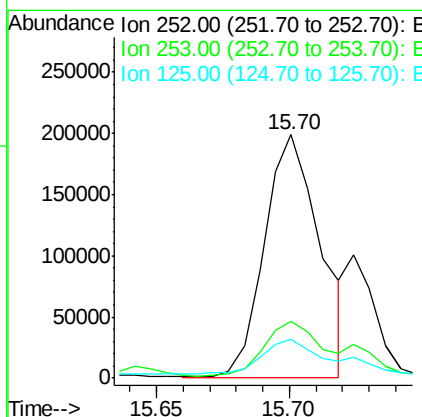
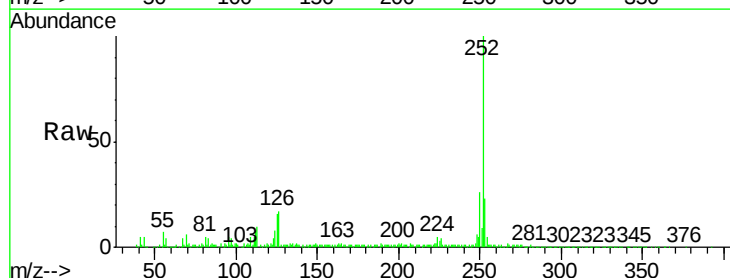
Manual Integrations
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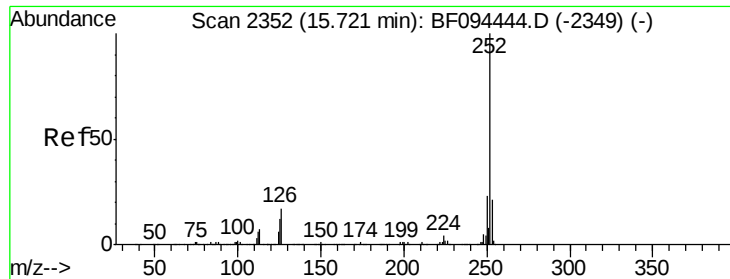
mohammad
4/19/2017 1:33:55 PM



#87
Benzo(b)fluoranthene
Concen: 26.19 ng m
RT: 15.70 min Scan# 2340
Delta R.T. 0.01 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	16.2	9.8	14.8





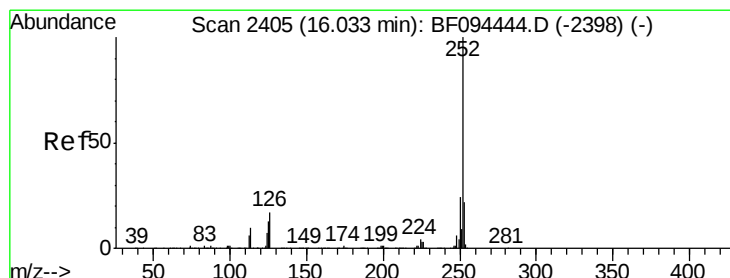
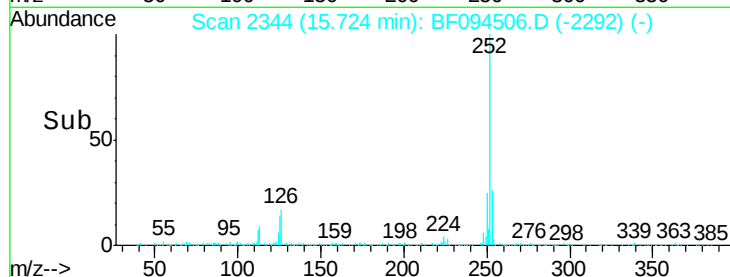
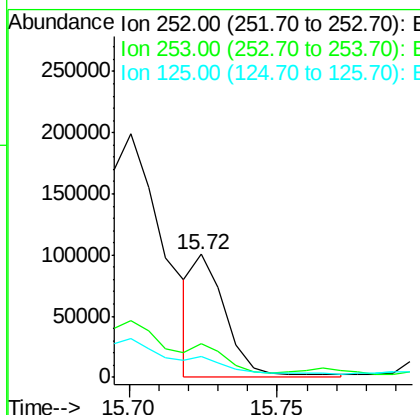
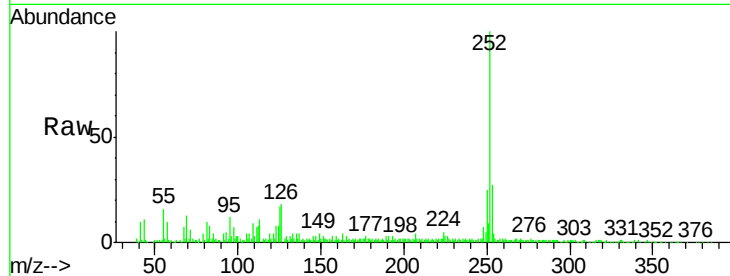
#88
Benzo(k)fluoranthene
Concen: 7.43 ng m
RT: 15.72 min Scan# 2344
Delta R.T. 0.00 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :
E2-XY67-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.4	27.6
125	16.8	13.1	19.7

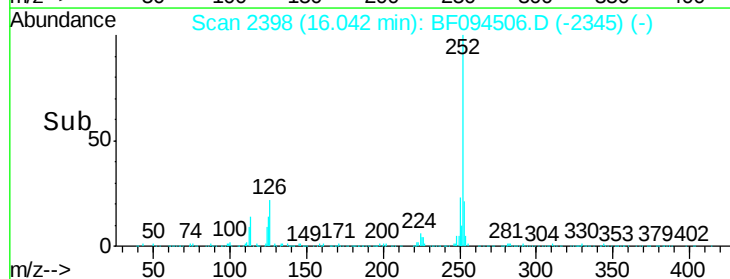
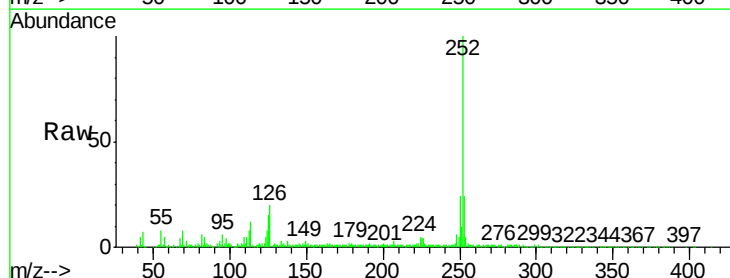
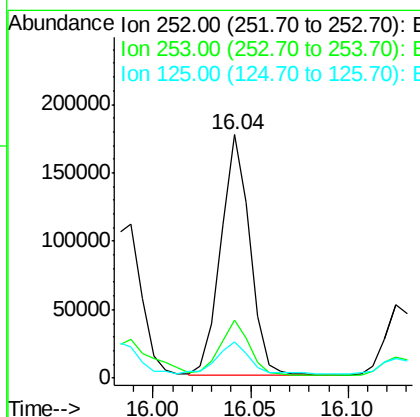
Manual Integrations
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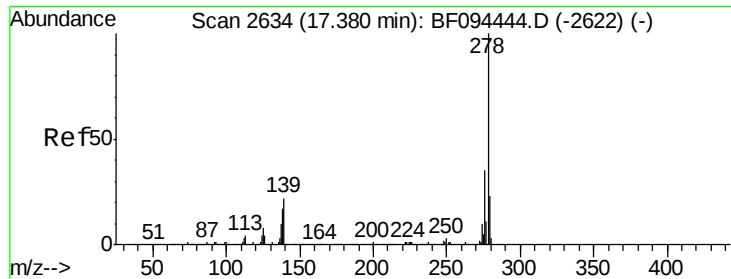
mohammad
4/19/2017 1:33:55 PM



#89
Benzo(a)pyrene
Concen: 17.61 ng
RT: 16.04 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	14.9	11.0	16.4





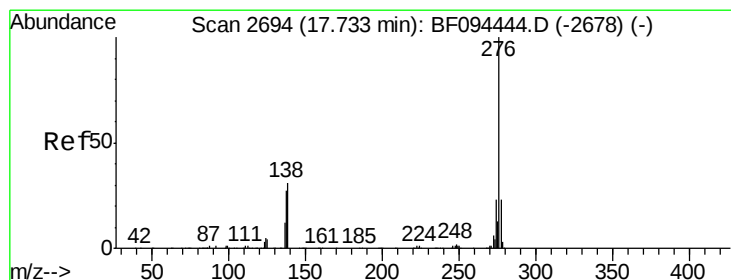
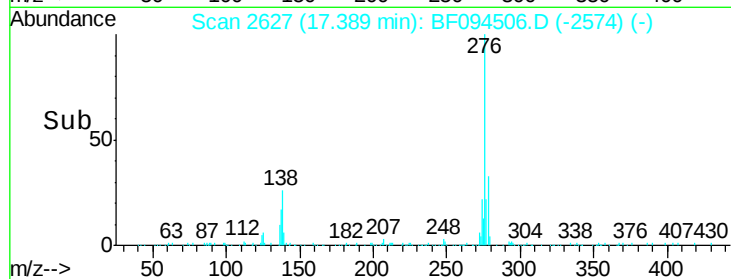
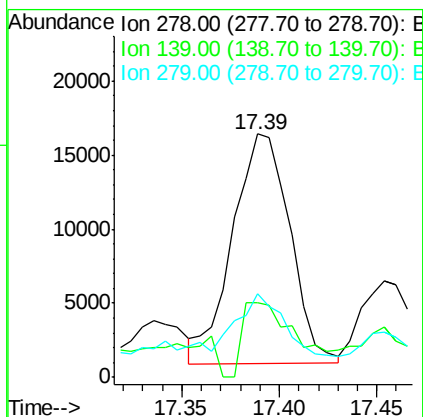
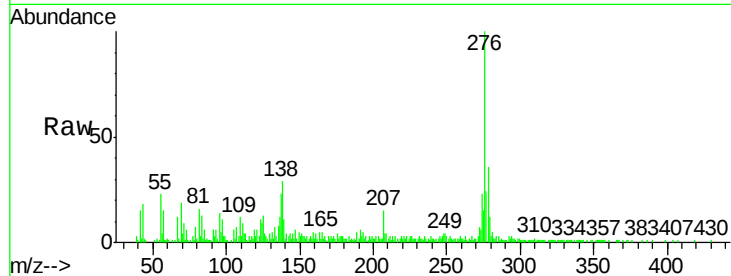
#90
Dibenzo(a,h)anthracene
Concen: 3.68 ng
RT: 17.39 min Scan# 2627
Delta R.T. 0.01 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Instrument :
BNA_F
ClientSampleId :
E2-XY67-BASE

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.9	16.6	24.8#
279	34.5	19.3	28.9#

Manual Integrations
APPROVED

mohammad
4/19/2017 1:33:55 PM



#91
Benzo(g,h,i)perylene
Concen: 16.09 ng
RT: 17.76 min Scan# 2690
Delta R.T. 0.03 min
Lab File: BF094506.D
Acq: 19 Apr 2017 00:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	27.8	25.4	38.0

