

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093945.D
 Acq On : 27 Mar 2017 15:38
 Operator : SJ/MA
 Sample : I2367-21DL 4X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD10-BASEDL

Manual Integrations
 APPROVED

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 3/28/2017 3:43:09 PM

Quant Time: Mar 27 16:52:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.95	152	190463	20.00	ng	0.00
21) Naphthalene-d8	7.45	136	742378	20.00	ng	0.00
38) Acenaphthene-d10	9.59	164	317105	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	483628	20.00	ng	0.00
75) Chrysene-d12	14.67	240	321363	20.00	ng	0.00
86) Perylene-d12	16.31	264	300310	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.47	112	331380	29.39	ng	0.00
7) Phenol-d6	5.54	99	415718	29.80	ng	-0.01
23) Nitrobenzene-d5	6.59	82	213419	16.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	53207	21.23	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	459531	22.10	ng	0.00
78) Terphenyl-d14	13.39	244	255259	17.80	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.48	128	139717	3.91	ng	98
37) 2-Methylnaphthalene	8.32	142	100592	4.23	ng	97
49) Dimethylphthalate	9.27	163	67153	2.98	ng	99
51) Acenaphthene	9.63	154	84235	4.34	ng	99
54) Dibenzofuran	9.85	168	87766	3.32	ng	99
57) Fluorene	10.27	166	126214	5.76	ng	99
70) Phenanthrene	11.46	178	1416510	52.65	ng	99
71) Anthracene	11.51	178	333540	12.04	ng	99
72) Carbazole	11.71	167	122167	4.30	ng	97
74) Fluoranthene	12.92	202	1473707	53.50	ng	99
77) Pyrene	13.20	202	1387509	59.49	ng	99
80) Benzo(a)anthracene	14.66	228	603844	32.22	ng	99
82) Chrysene	14.71	228	602138m	34.63	ng	
83) Bis(2-ethylhexyl)phthalate	14.72	149	39939	2.95	ng	99
85) Indeno(1,2,3-cd)pyrene	17.69	276	271306	18.01	ng	96
87) Benzo(b)fluoranthene	15.90	252	669710m	36.38	ng	
88) Benzo(k)fluoranthene	15.93	252	261550m	14.52	ng	
89) Benzo(a)pyrene	16.25	252	501761	29.60	ng	97
90) Dibenzo(a,h)anthracene	17.70	278	64067m	4.46	ng	
91) Benzo(a,h,i)perylene	18.09	276	256842	17.75	ng	98

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

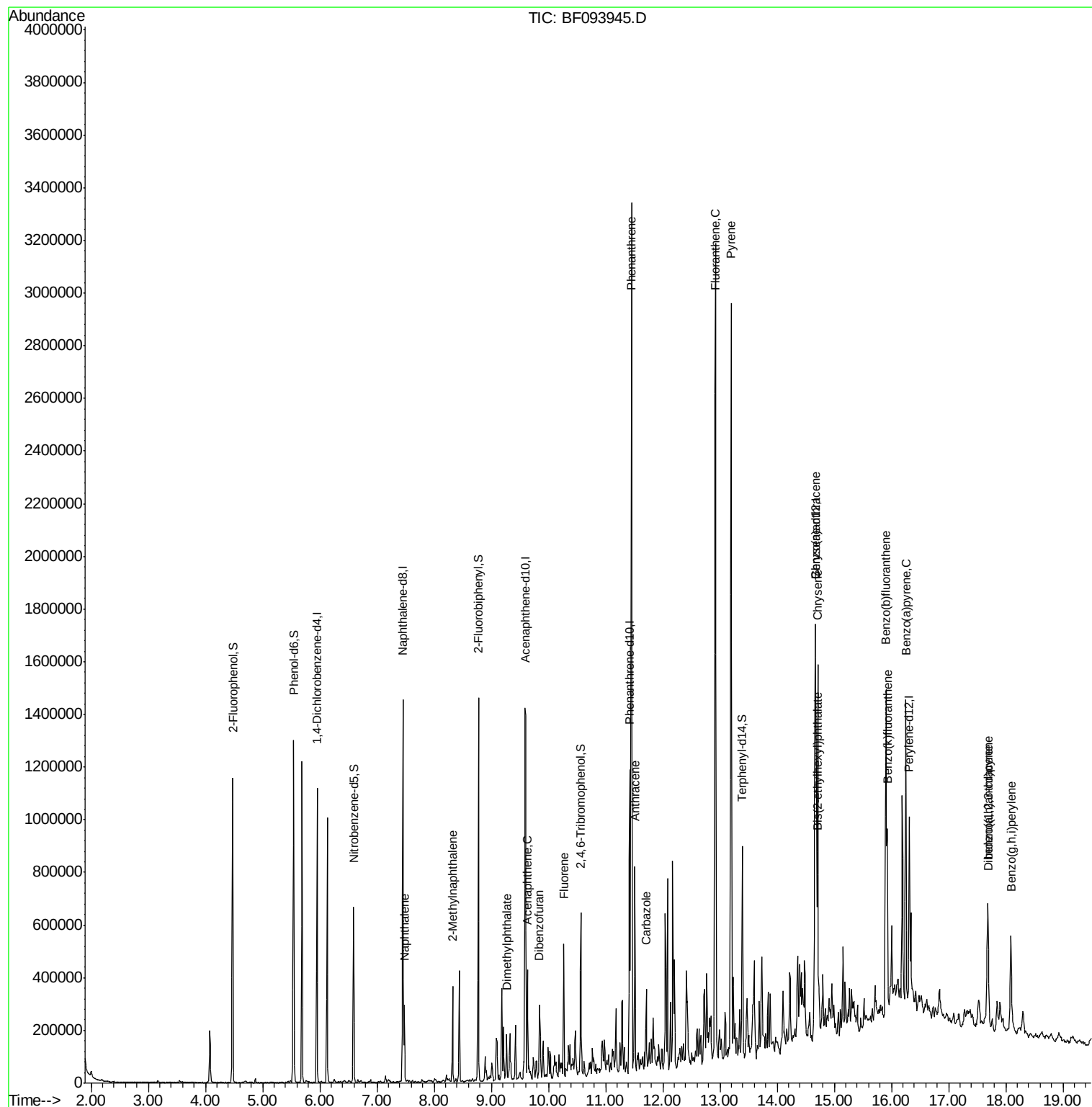
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
Data File : BF093945.D
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ALS Vial : 9 Sample Multiplier: 1

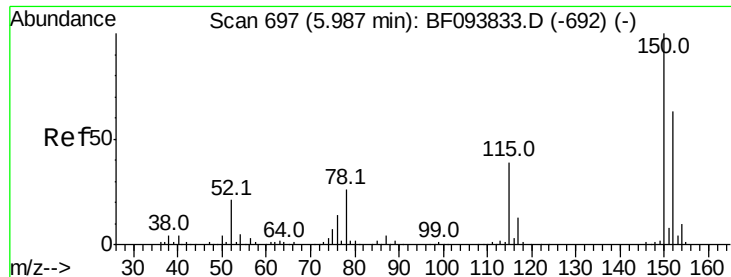
Instrument :
BNA_F
ClientSampleId :
E2-DD10-BASEDL

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Quant Time: Mar 27 16:52:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

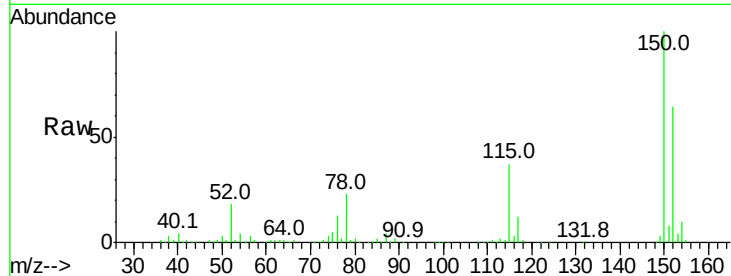
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.95 min Scan# 691
Delta R.T. -0.00 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Instrument :
BNA_F
ClientSampleId :
E2-DD10-BASEDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	58.5	52.2	78.2

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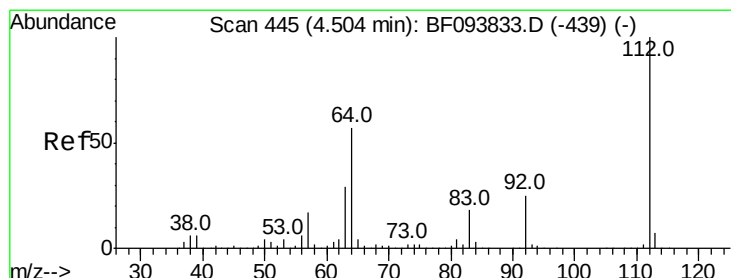
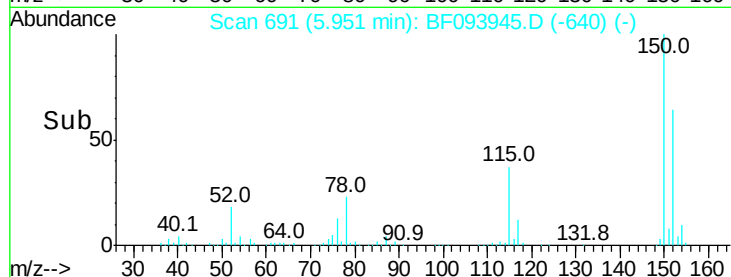
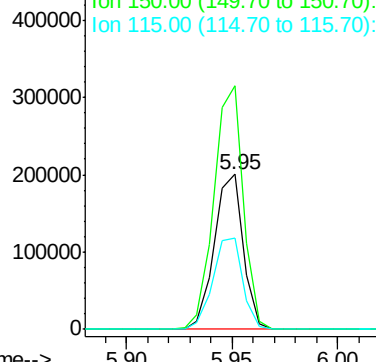


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

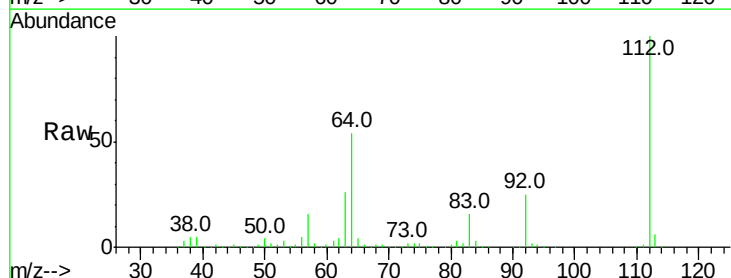
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 29.39 ng
RT: 4.47 min Scan# 440
Delta R.T. -0.00 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	46.0	69.0
63	26.2	23.4	35.0

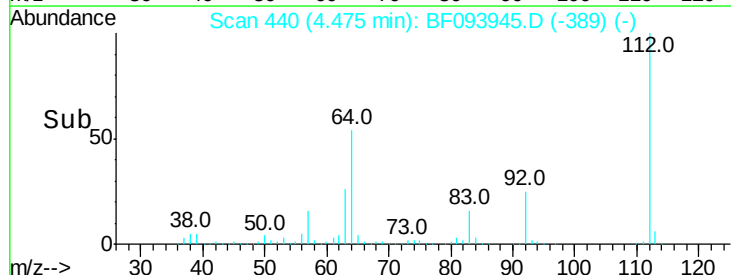
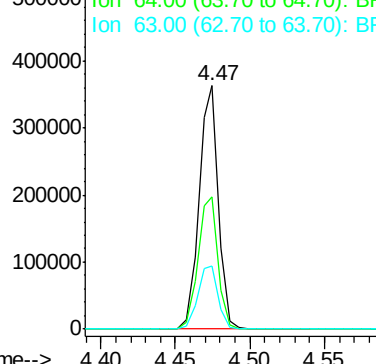


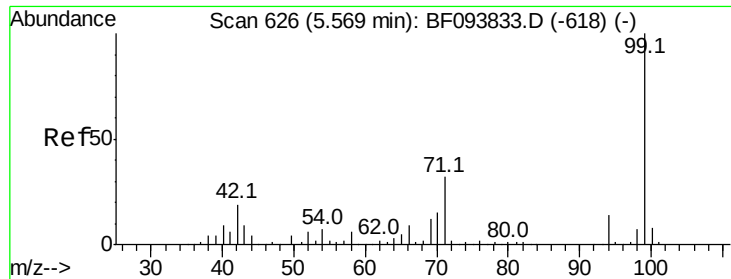
Abundance

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: 29.80 ng

RT: 5.54 min Scan# 621

Delta R.T. -0.01 min

Lab File: BF093945.D

Acq: 27 Mar 2017 15:38

Instrument :

BNA_F

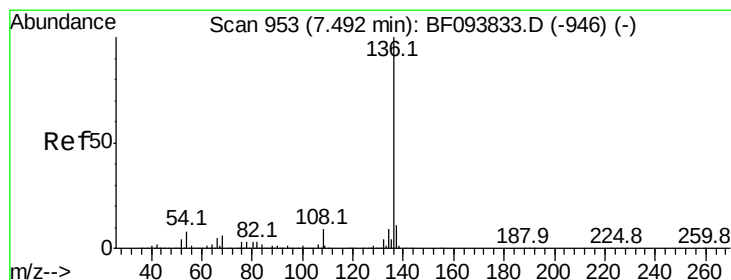
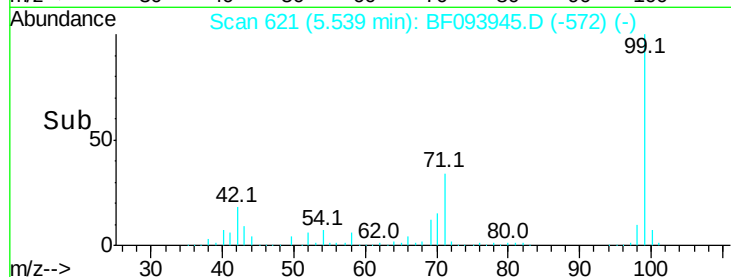
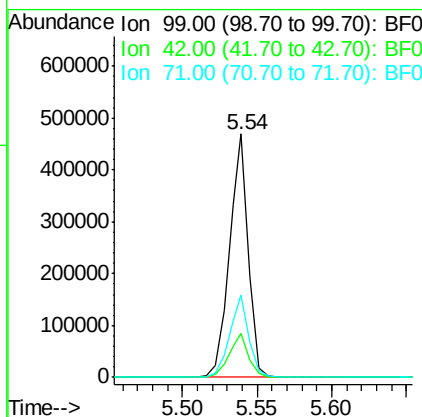
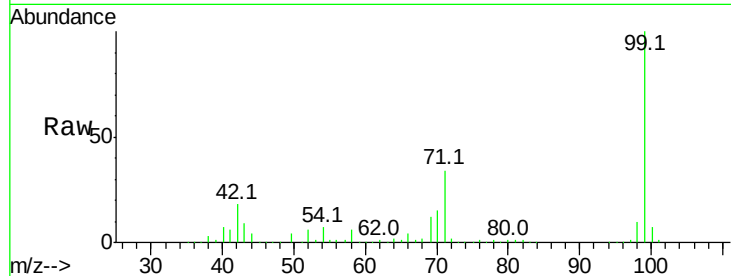
ClientSampleId :

E2-DD10-BASEDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		415718		
42	17.9	13.5	20.3		
71	33.6	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

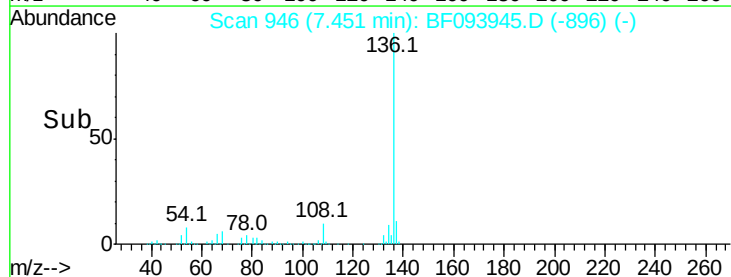
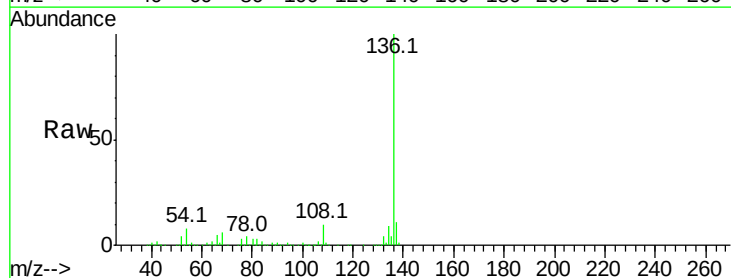
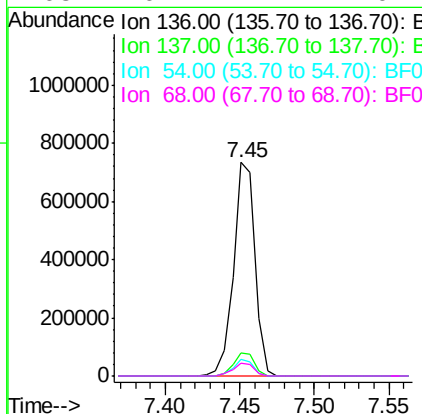
RT: 7.45 min Scan# 946

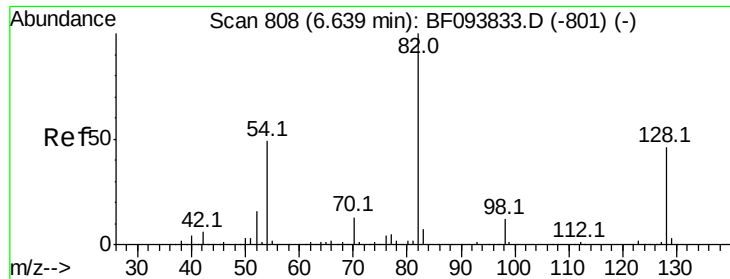
Delta R.T. -0.01 min

Lab File: BF093945.D

Acq: 27 Mar 2017 15:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		742378		
137	11.0	8.5	12.7		
54	7.9	4.9	7.3#		
68	6.2	4.1	6.1#		





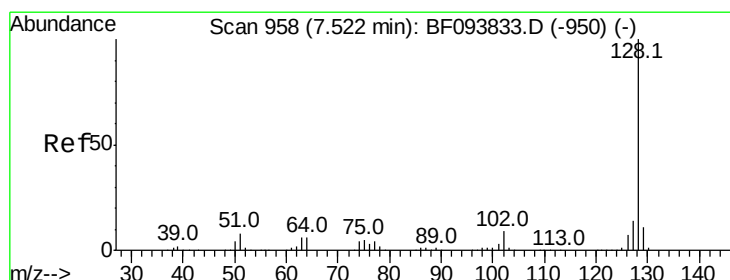
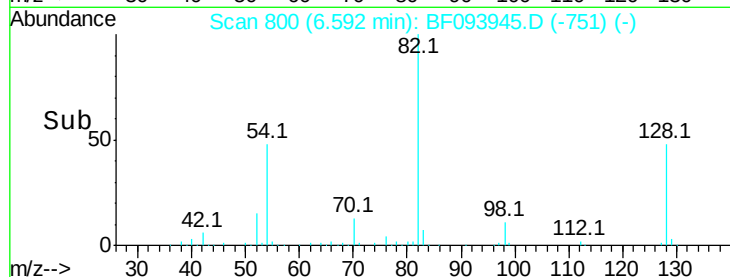
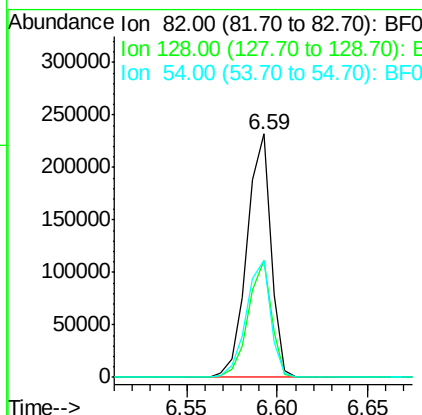
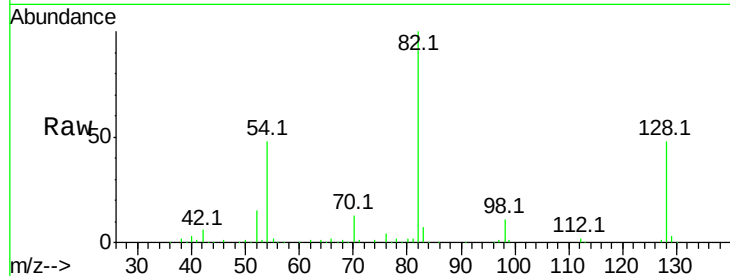
#23
 Nitrobenzene-d5
 Concen: 16.41 ng
 RT: 6.59 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF093945.D
 Acq: 27 Mar 2017 15:38

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD10-BASEDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	34.0	51.0
54	48.2	42.2	63.2

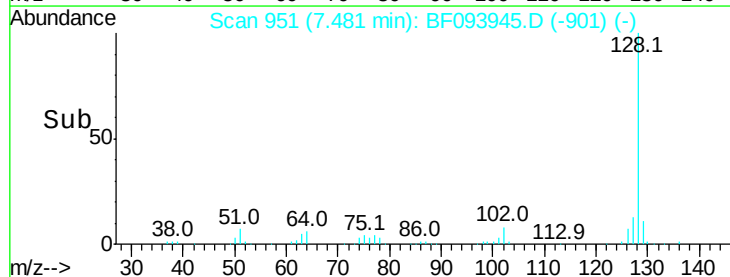
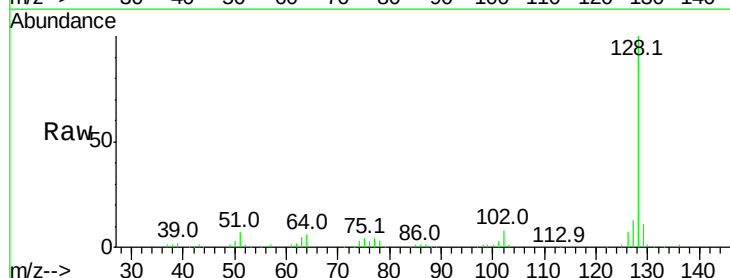
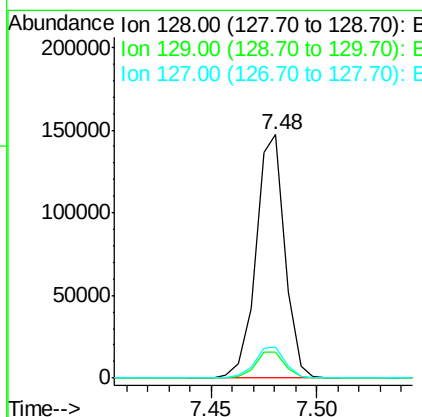
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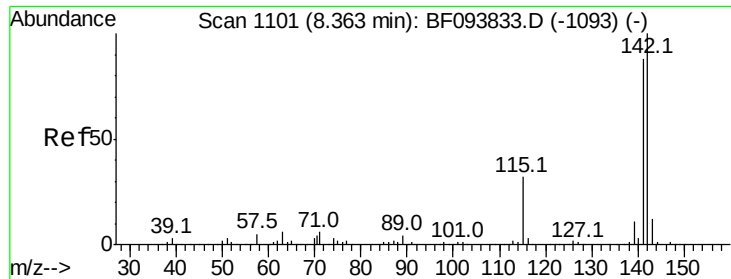
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#31
 Naphthalene
 Concen: 3.91 ng
 RT: 7.48 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF093945.D
 Acq: 27 Mar 2017 15:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	12.6	10.8	16.2





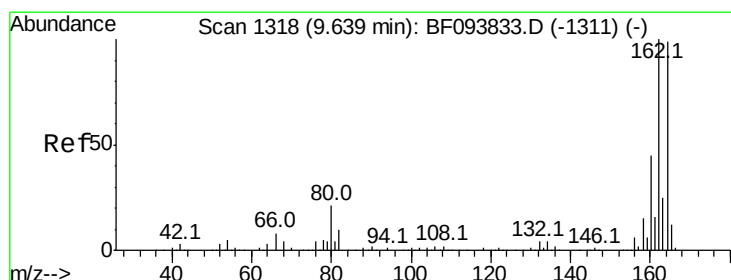
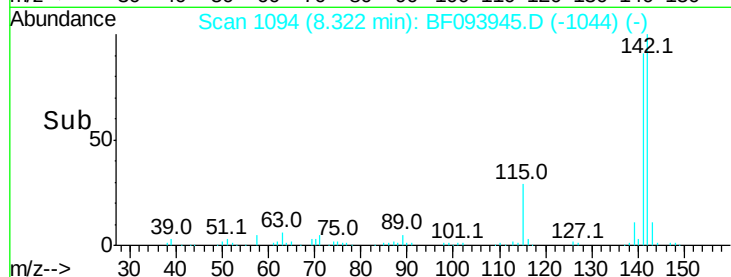
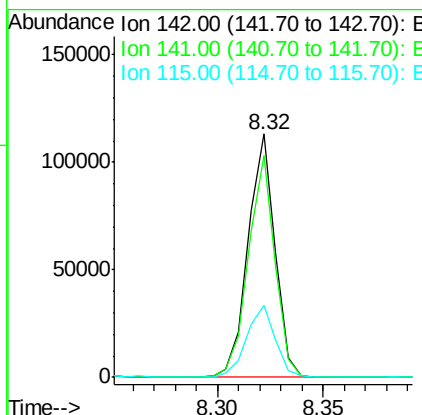
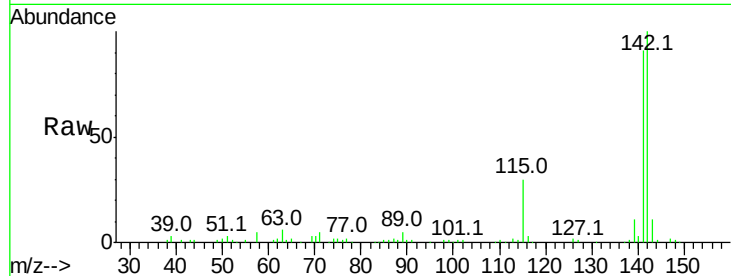
#37
2-Methylnaphthalene
Concen: 4.23 ng
RT: 8.32 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Instrument :
BNA_F
ClientSampleId :
E2-DD10-BASEDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.3	106.9
115	29.9	27.1	40.7

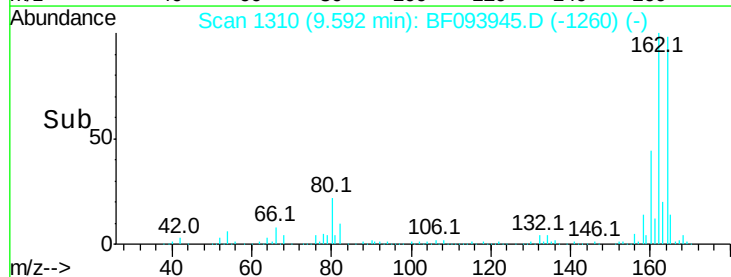
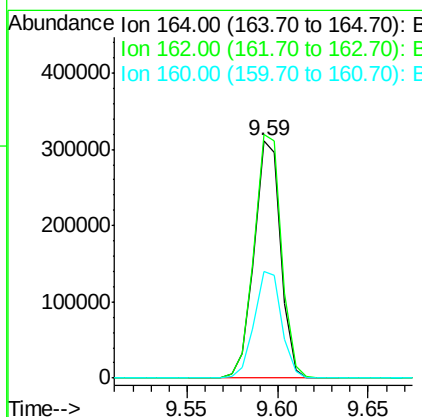
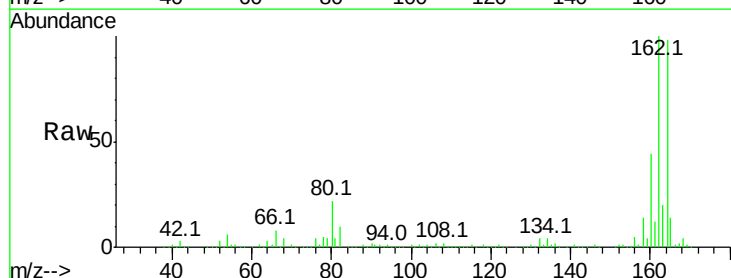
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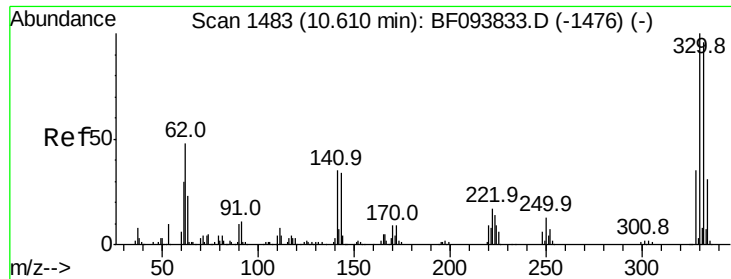
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	123.8
160	44.8	36.2	54.2





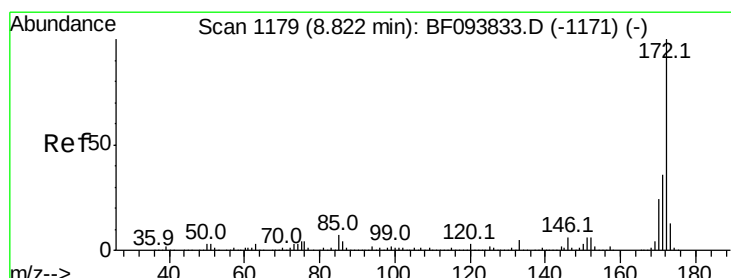
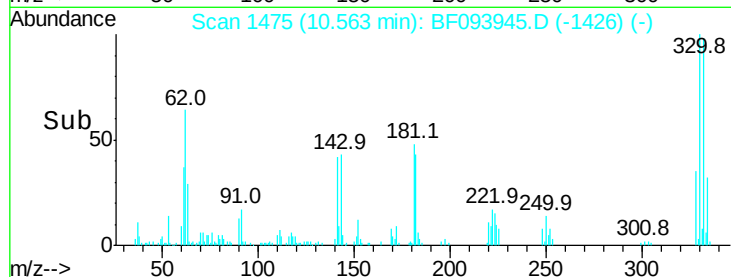
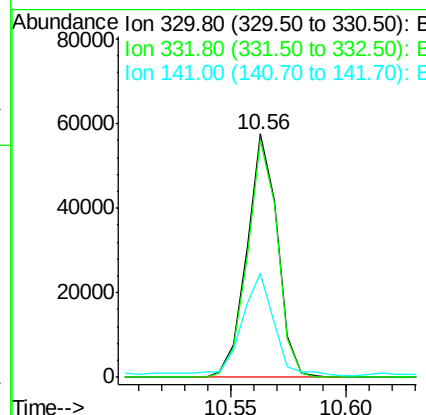
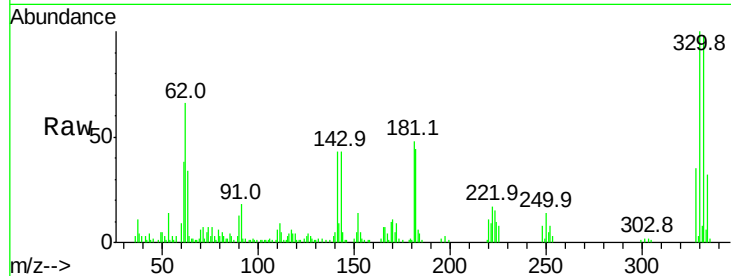
#41
 2,4,6-Tribromophenol
 Concen: 21.23 ng
 RT: 10.56 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF093945.D
 Acq: 27 Mar 2017 15:38

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD10-BASEDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	44.2	31.4	47.2

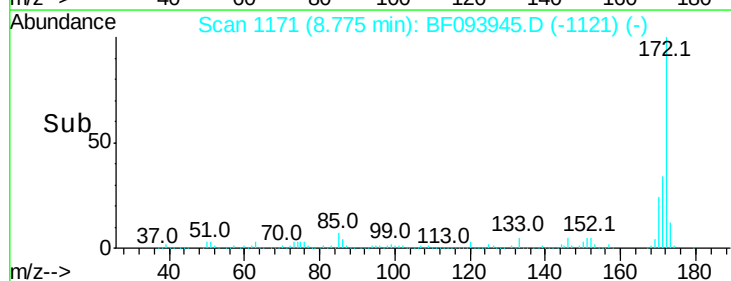
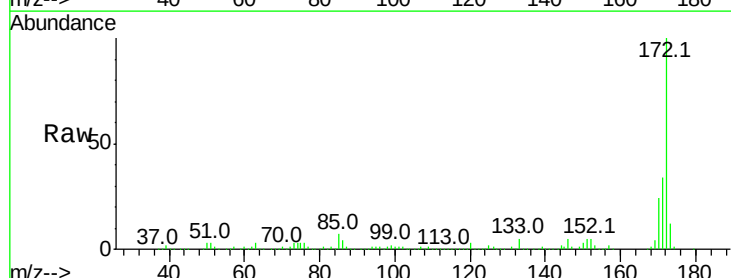
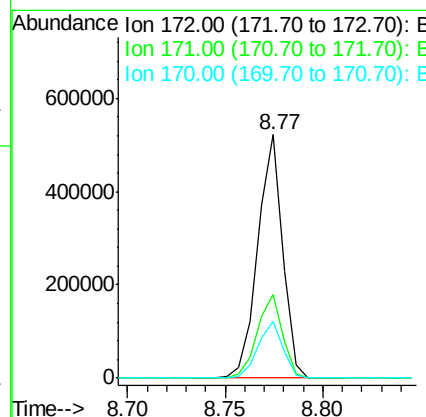
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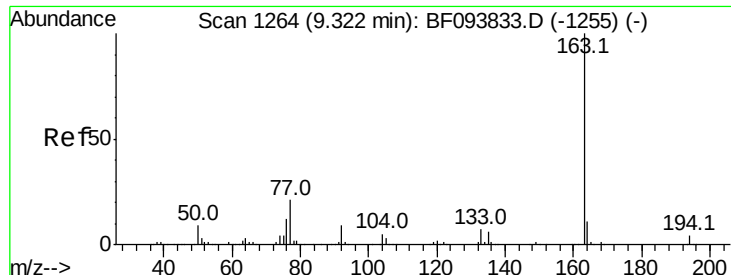
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#44
 2-Fluorobiphenyl
 Concen: 22.10 ng
 RT: 8.77 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF093945.D
 Acq: 27 Mar 2017 15:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.6	44.4
170	23.5	19.8	29.8





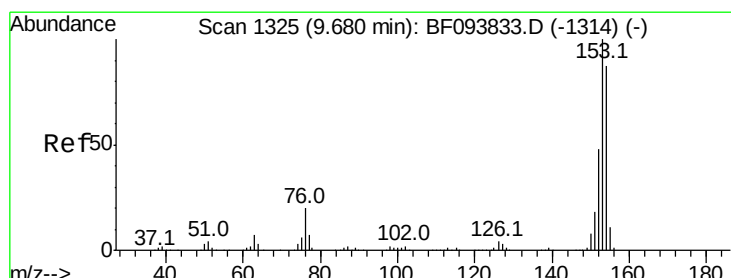
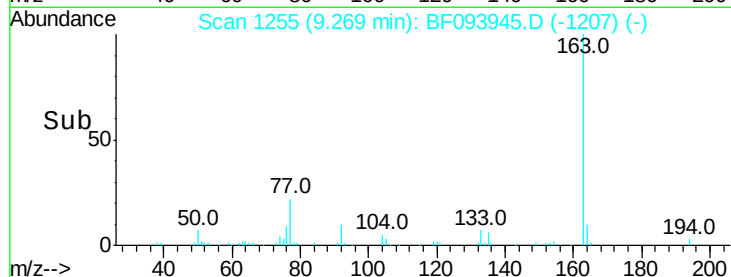
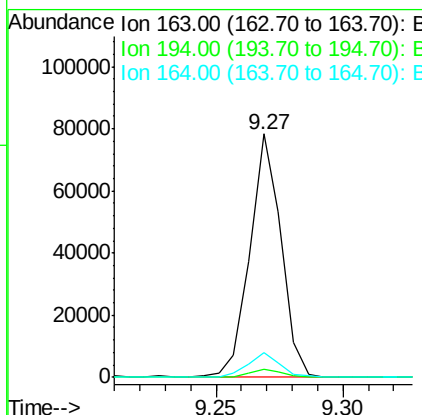
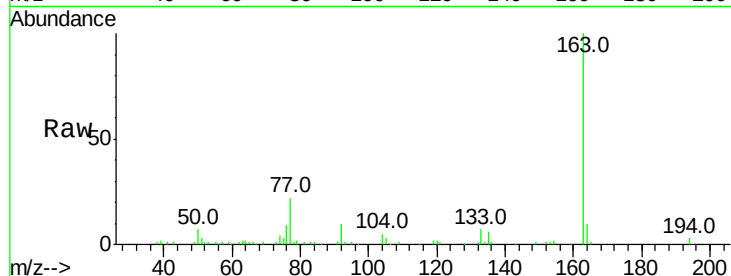
#49
 Dimethylphthalate
 Concen: 2.98 ng
 RT: 9.27 min Scan# 1255
 Delta R.T. -0.02 min
 Lab File: BF093945.D
 Acq: 27 Mar 2017 15:38

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD10-BASEDL

Tot Ion	163	Resp	67153
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.6	4.0
164	10.3	8.4	12.6

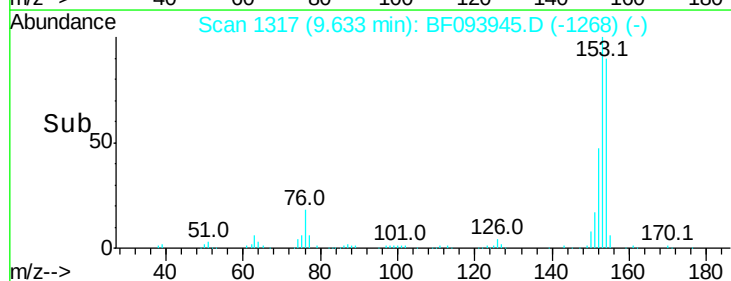
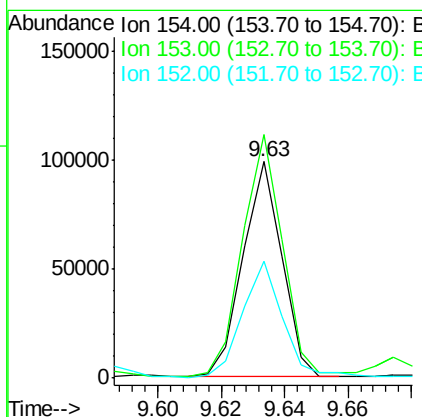
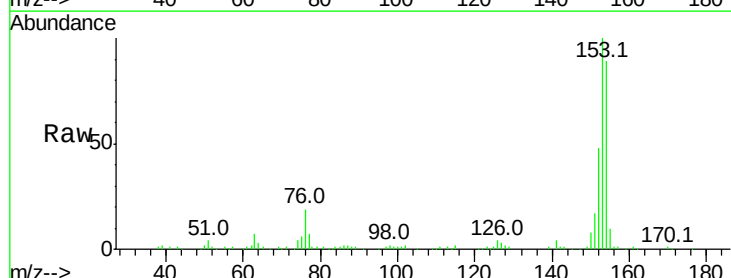
Manual Integrations
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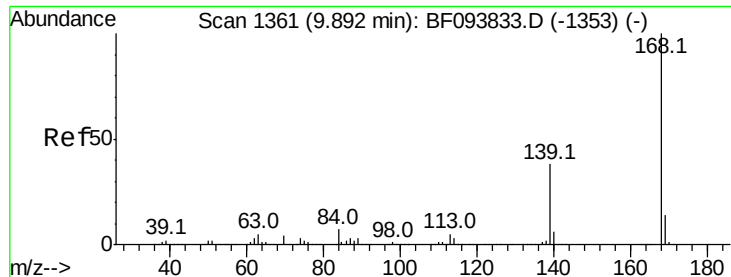
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#51
 Acenaphthene
 Concen: 4.34 ng
 RT: 9.63 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF093945.D
 Acq: 27 Mar 2017 15:38

Tgt Ion	154	Resp	84235
Ion Ratio	Lower	Upper	
154	100		
153	112.5	90.5	135.7
152	54.1	43.6	65.4





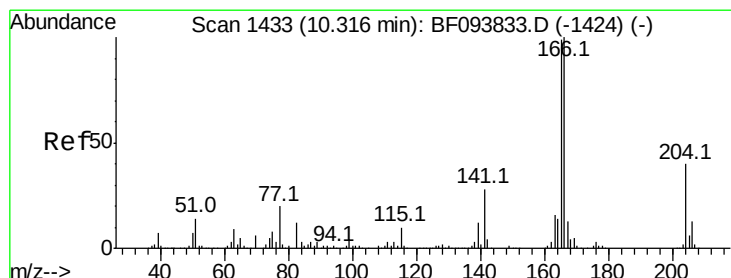
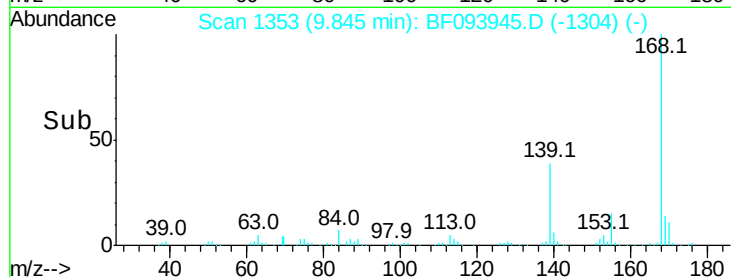
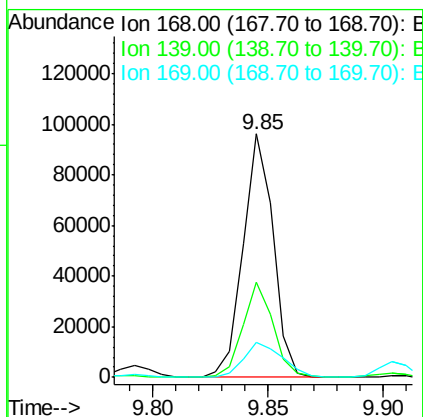
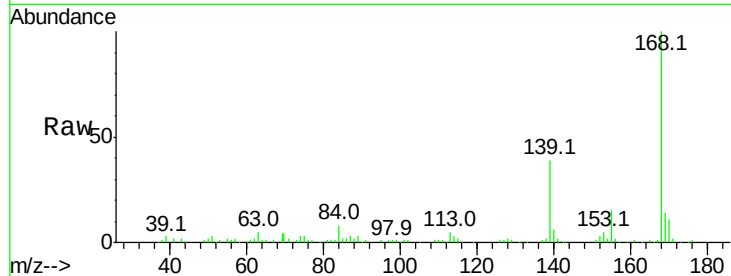
#54
Dibenzofuran
Concen: 3.32 ng
RT: 9.85 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Instrument :
BNA_F
ClientSampleId :
E2-DD10-BASEDL

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.9	30.6	45.8
169	14.4	10.8	16.2

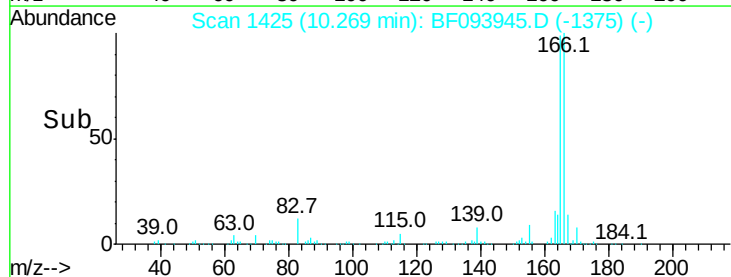
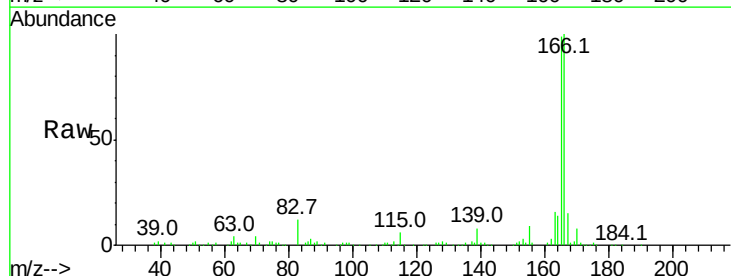
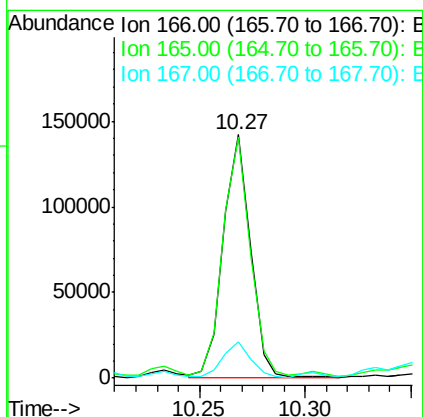
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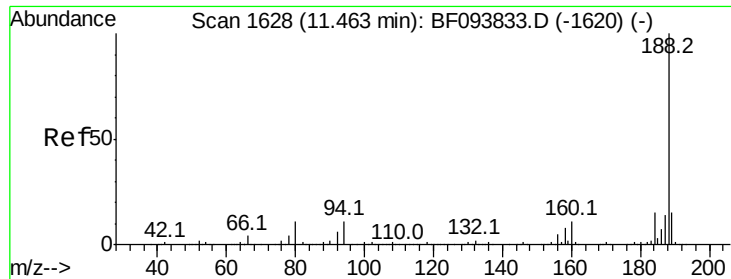
mohammad
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#57
Fluorene
Concen: 5.76 ng
RT: 10.27 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.8	118.2
167	14.7	10.6	16.0





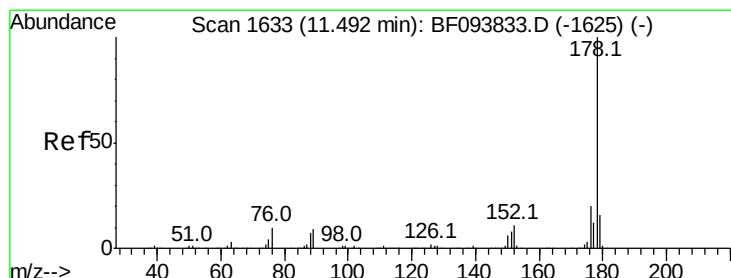
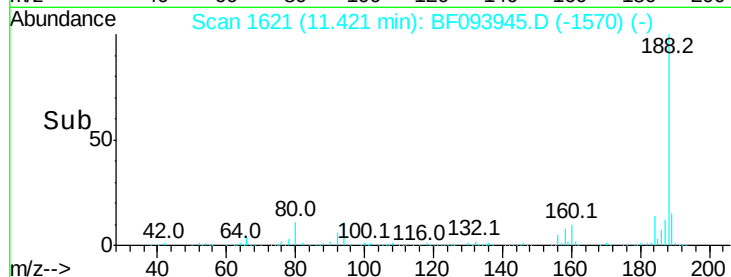
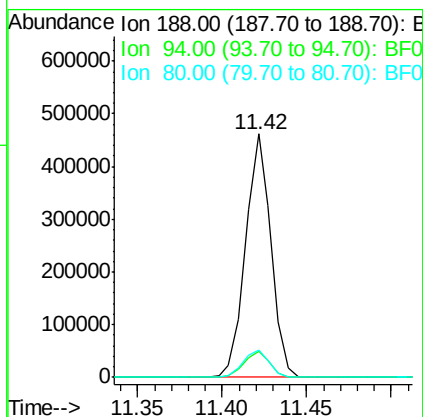
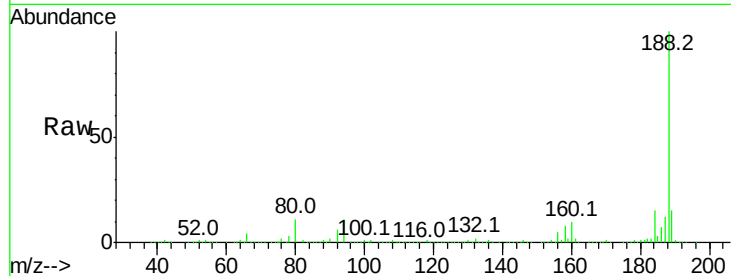
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Instrument :
BNA_F
ClientSampleId :
E2-DD10-BASEDL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	483628		
94	10.9		9.4	14.2
80	11.4		10.2	15.2

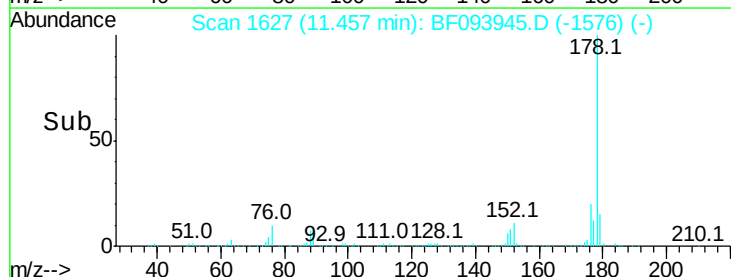
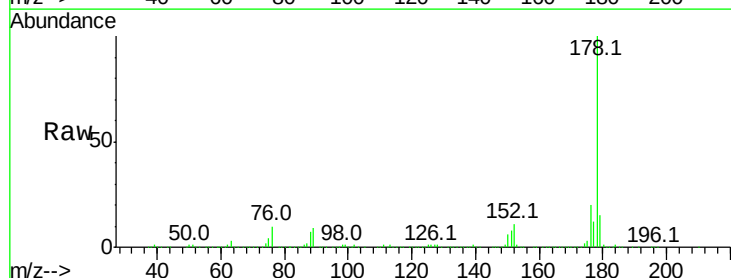
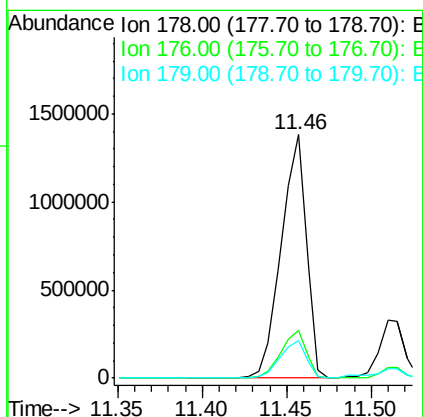
Manual Integrations
APPROVED

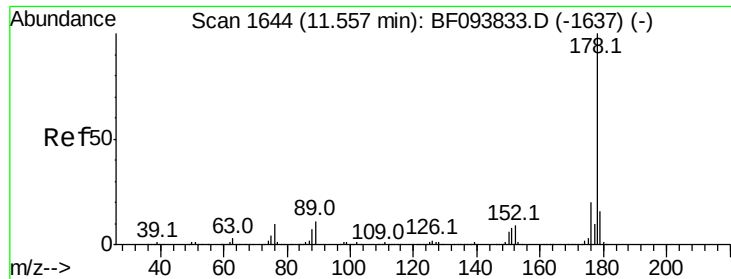
mohammad
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#70
Phenanthrene
Concen: 52.65 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1416510		
176	19.8		16.2	24.4
179	15.5		12.6	19.0





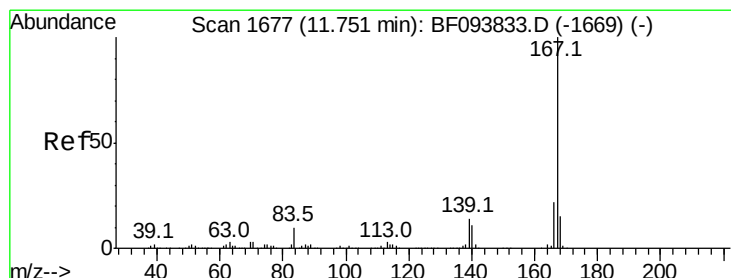
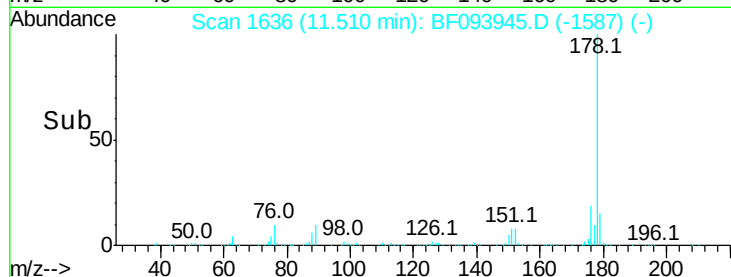
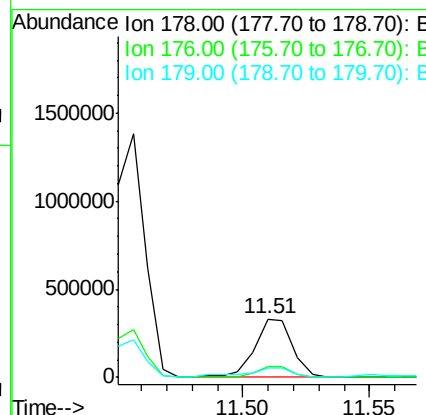
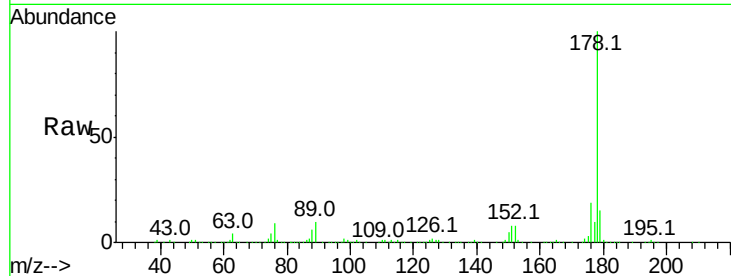
#71
 Anthracene
 Concen: 12.04 ng
 RT: 11.51 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF093945.D
 Acq: 27 Mar 2017 15:38

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD10-BASEDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.2	12.7	19.1

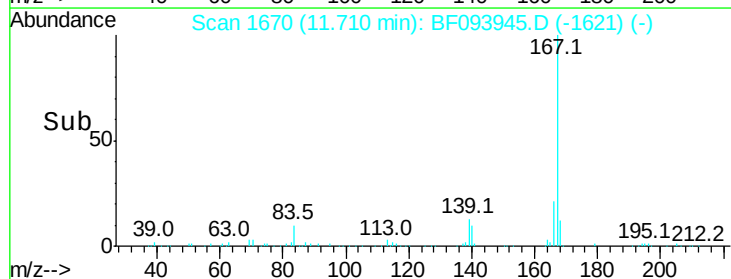
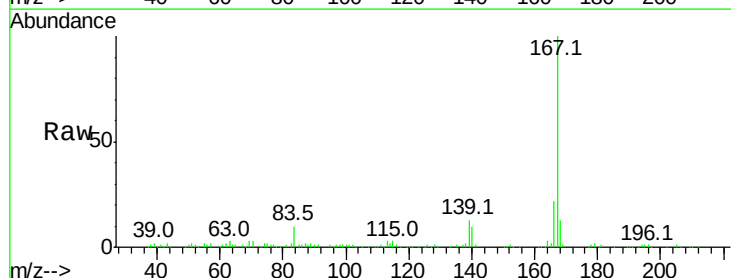
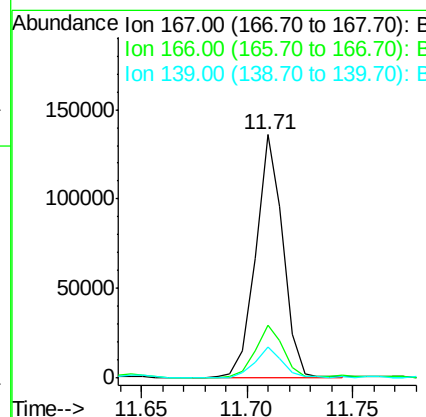
Manual Integrations
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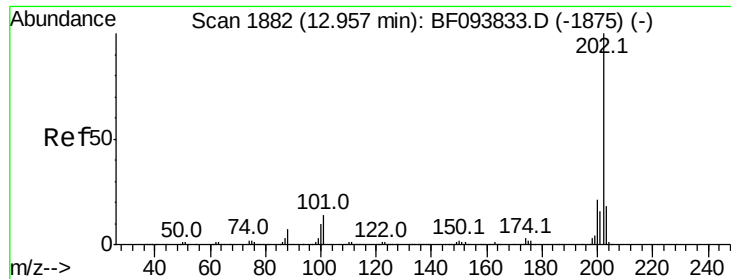
mohammad
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#72
 Carbazole
 Concen: 4.30 ng
 RT: 11.71 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BF093945.D
 Acq: 27 Mar 2017 15:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.1	27.1
139	12.8	11.7	17.5





#74

Fluoranthene

Concen: 53.50 ng

RT: 12.92 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BF093945.D

Acq: 27 Mar 2017 15:38

Instrument :

BNA_F

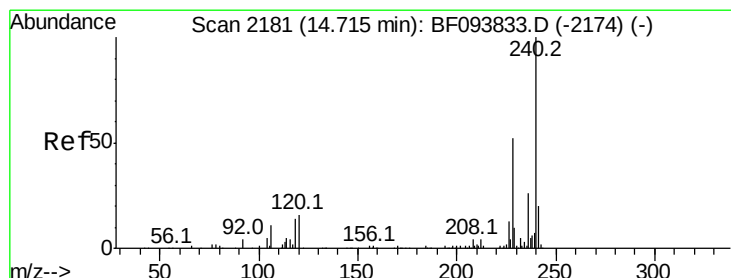
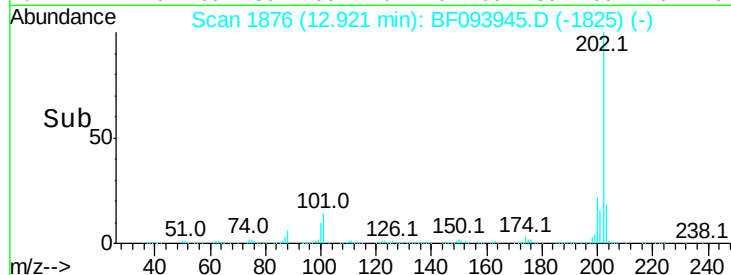
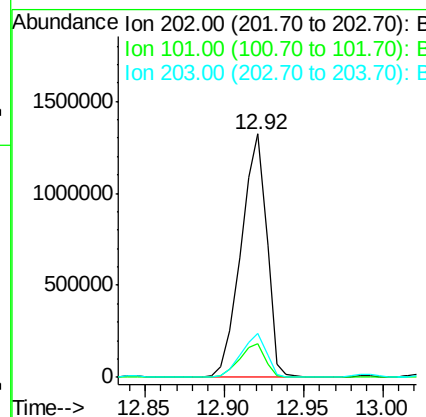
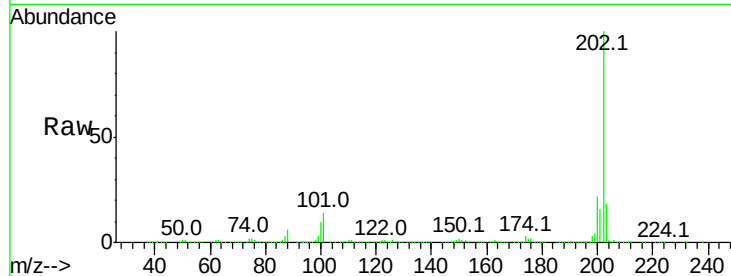
ClientSampleId :

E2-DD10-BASEDL

Tot Ion:	202	Resp:	1473707
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	33.2
203	18.0	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

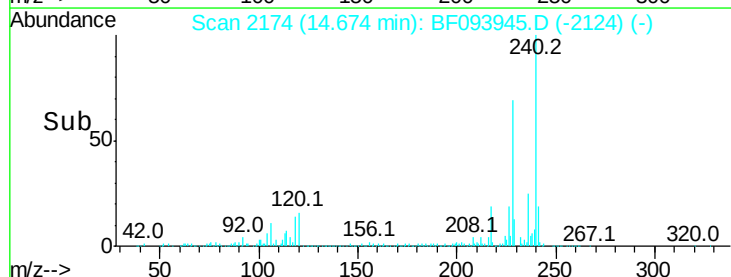
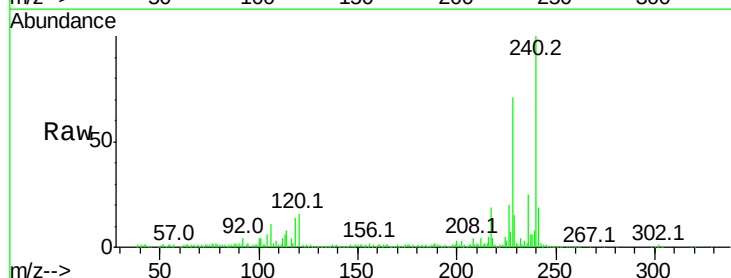
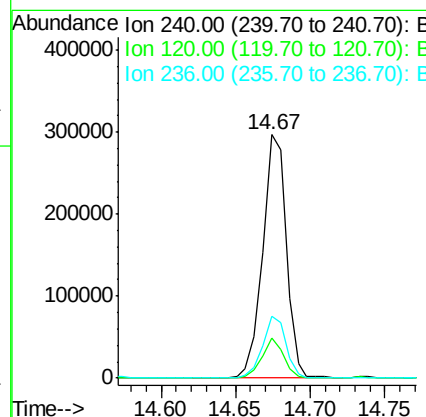
RT: 14.67 min Scan# 2174

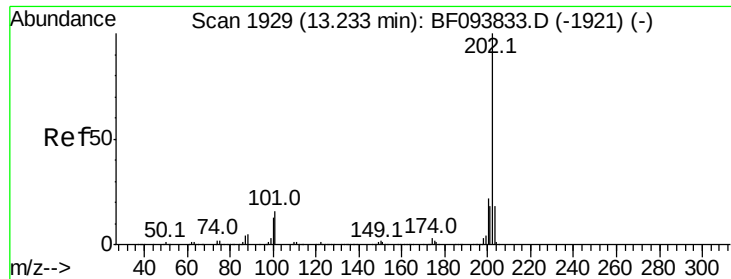
Delta R.T. -0.01 min

Lab File: BF093945.D

Acq: 27 Mar 2017 15:38

Tgt Ion:	240	Resp:	321363
Ion Ratio	Lower	Upper	
240	100		
120	16.3	5.8	8.8#
236	25.3	20.5	30.7





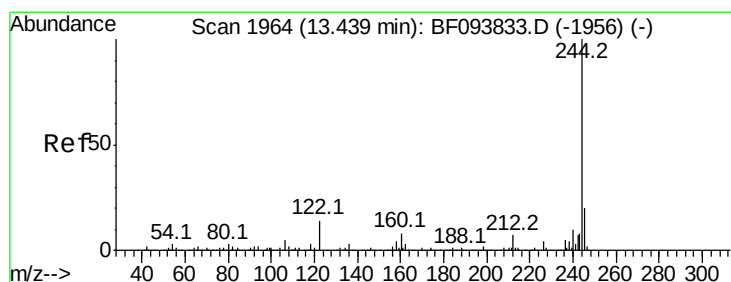
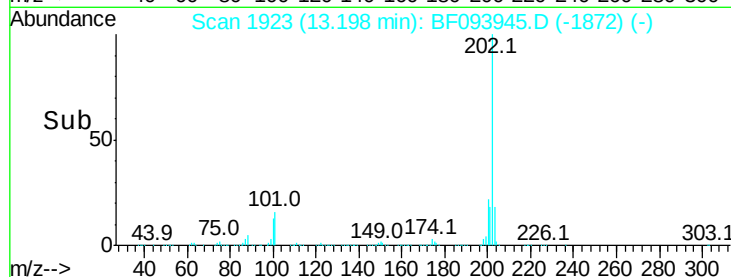
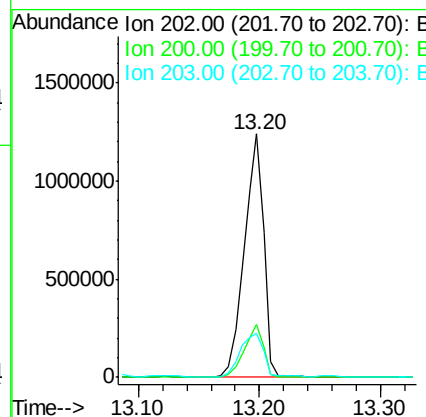
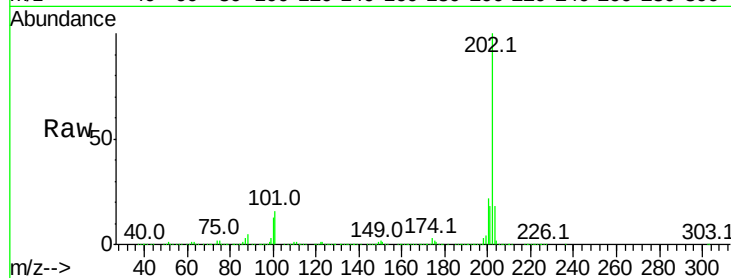
#77
Pvrene
Concen: 59.49 ng
RT: 13.20 min Scan# 1923
Delta R.T. -0.00 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Instrument :
BNA_F
ClientSampleId :
E2-DD10-BASEDL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	18.2	14.4	21.6

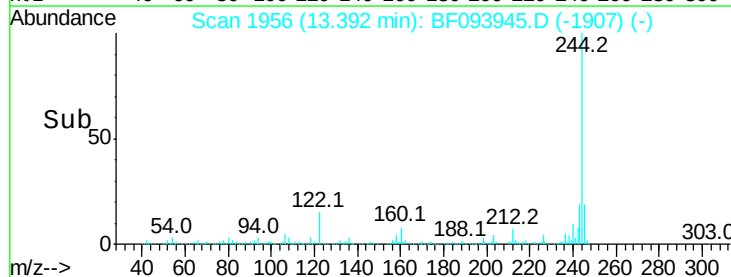
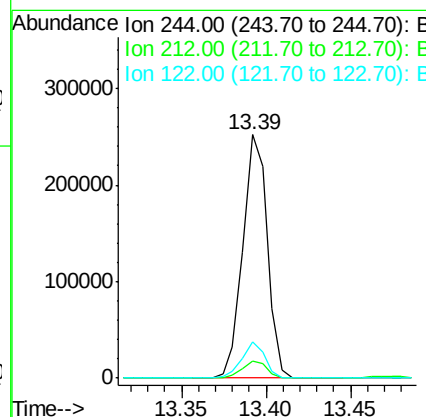
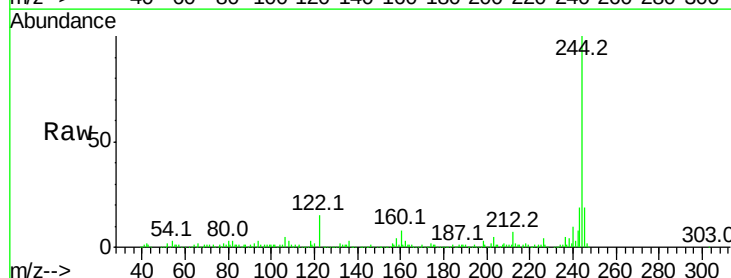
Manual Integrations
APPROVED

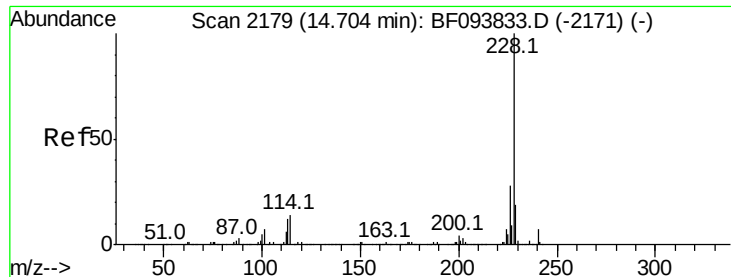
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#78
Terphenyl-d14
Concen: 17.80 ng
RT: 13.39 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.9	10.3	15.5





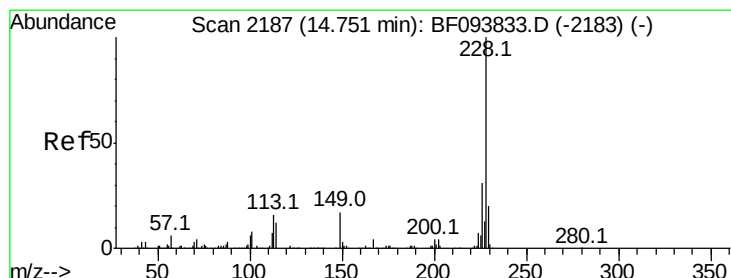
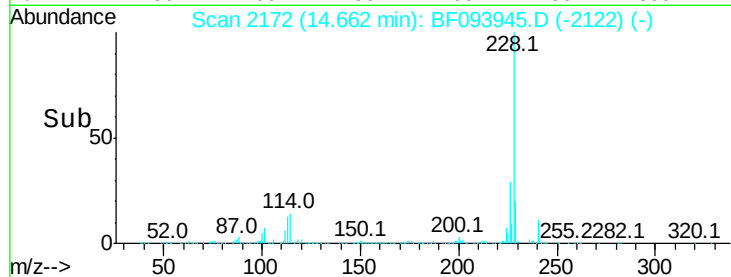
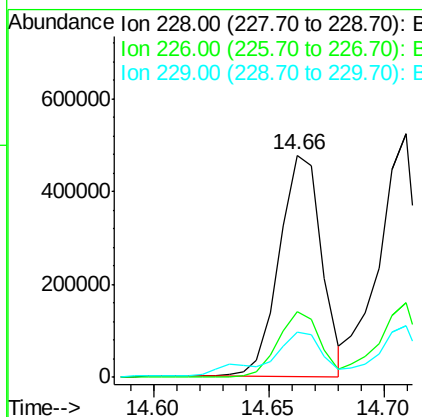
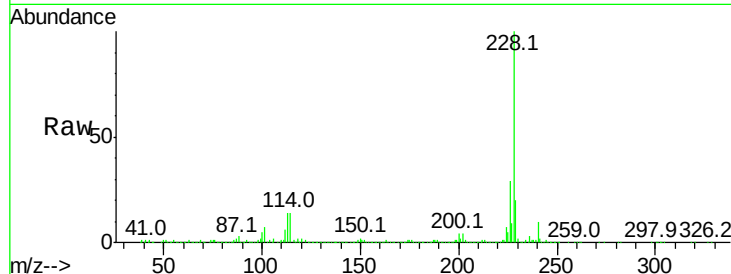
#80
Benzo(a)anthracene
Concen: 32.22 ng
RT: 14.66 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Instrument :
BNA_F
ClientSampleId :
E2-DD10-BASEDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	20.3	16.3	24.5

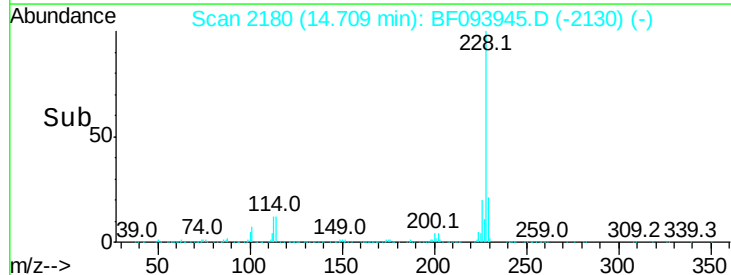
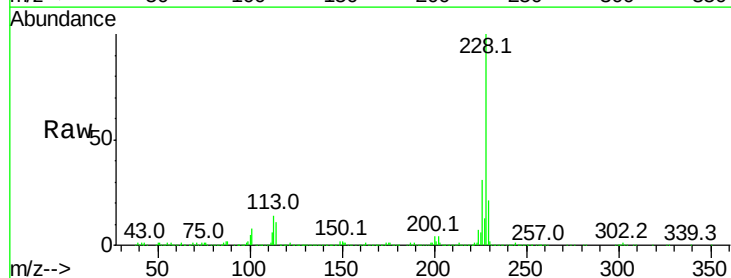
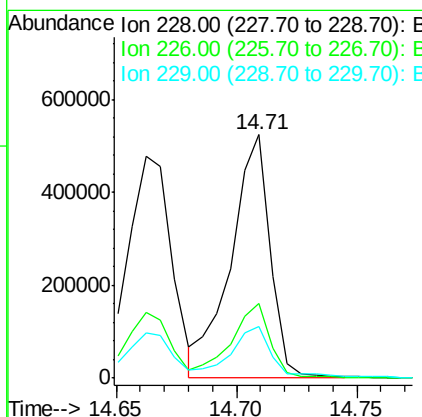
Manual Integrations
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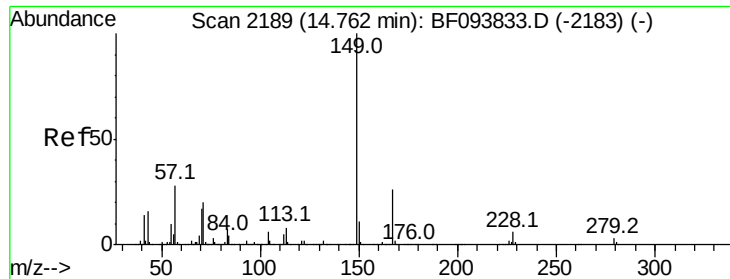
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#82
Chrysene
Concen: 34.63 ng m
RT: 14.71 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	21.4	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.95 ng

RT: 14.72 min Scan# 2182

Delta R.T. -0.00 min

Lab File: BF093945.D

Acq: 27 Mar 2017 15:38

Instrument :

BNA_F

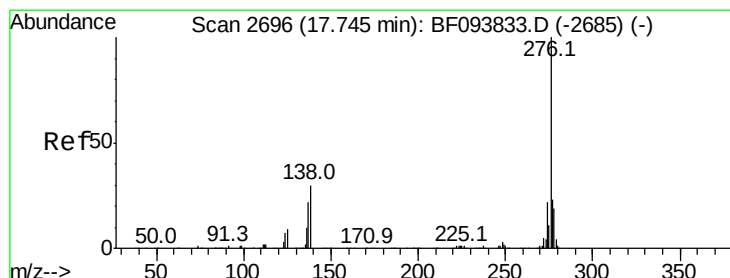
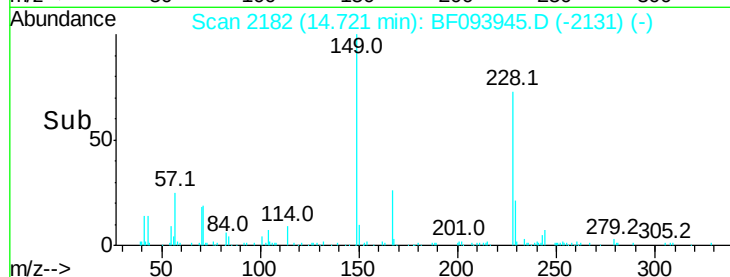
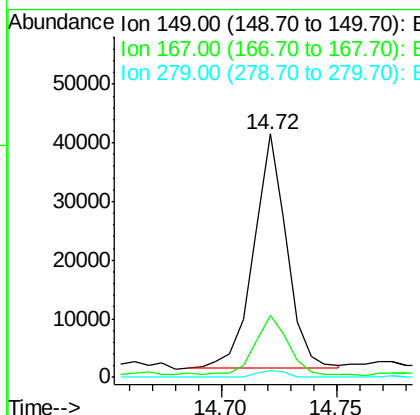
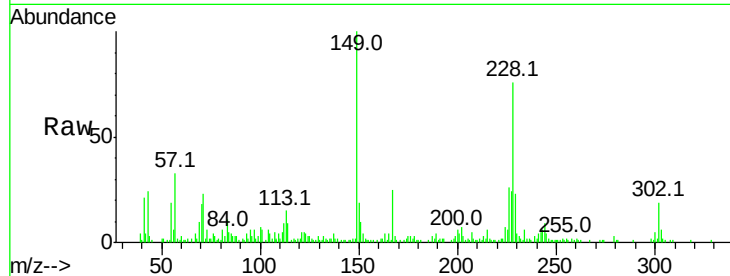
ClientSampleId :

E2-DD10-BASEDL

Tot Ion:	149	Resp:	39939
Ion Ratio	Lower	Upper	
149	100		
167	25.5	21.0	31.4
279	2.8	1.9	2.9

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#85

Indeno(1,2,3-cd)pyrene

Concen: 18.01 ng

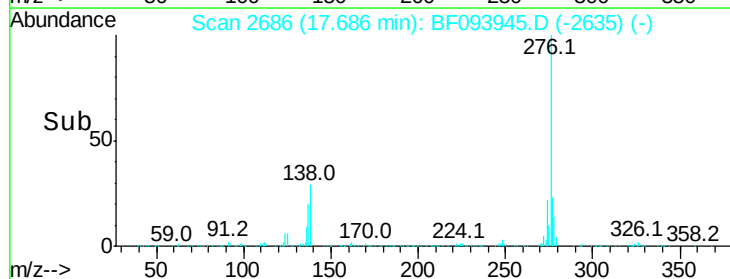
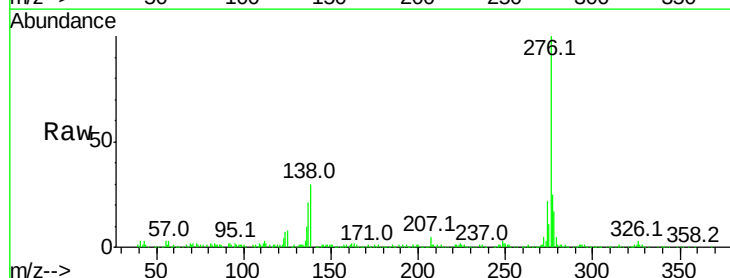
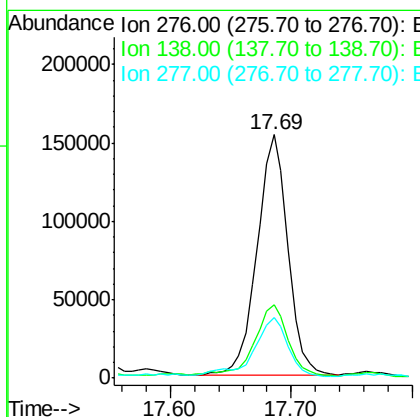
RT: 17.69 min Scan# 2686

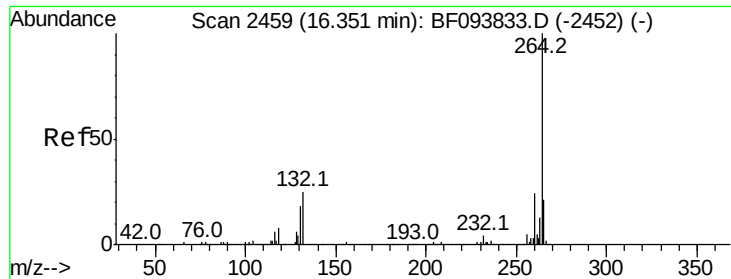
Delta R.T. -0.00 min

Lab File: BF093945.D

Acq: 27 Mar 2017 15:38

Tgt Ion:	276	Resp:	271306
Ion Ratio	Lower	Upper	
276	100		
138	33.1	27.8	41.6
277	27.7	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.31 min Scan# 2452

Delta R.T. -0.00 min

Lab File: BF093945.D

Acq: 27 Mar 2017 15:38

Instrument :

BNA_F

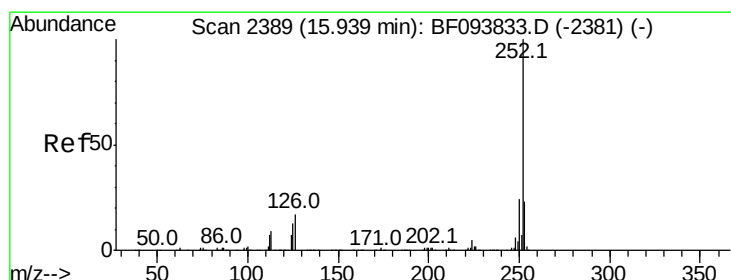
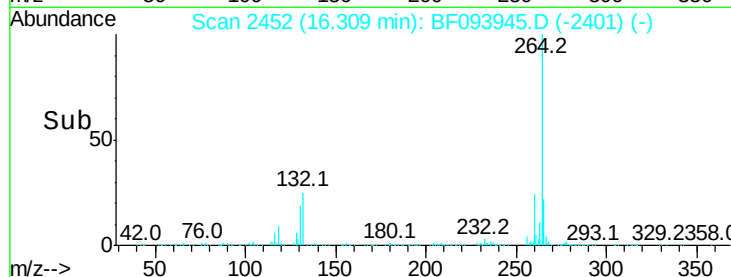
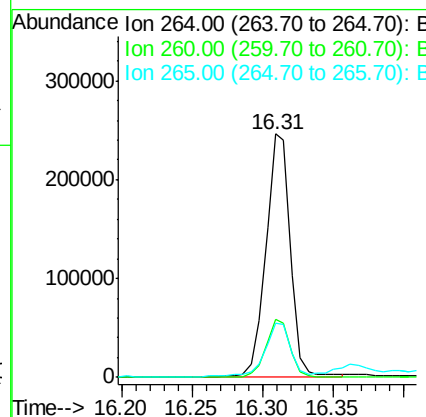
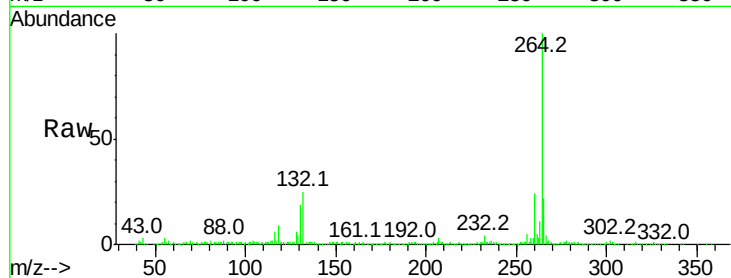
ClientSampleId :

E2-DD10-BASEDL

Tot Ion:	264	Resp:	300310
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.5	29.3
265	22.3	17.2	25.8

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 36.38 ng m

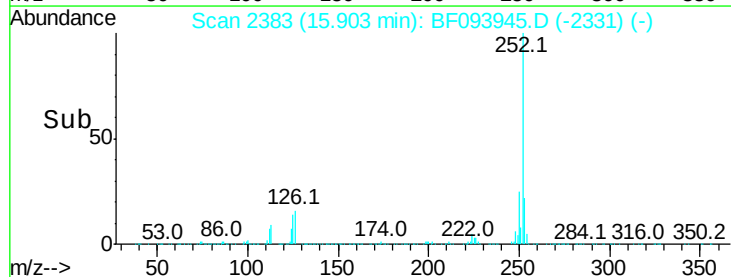
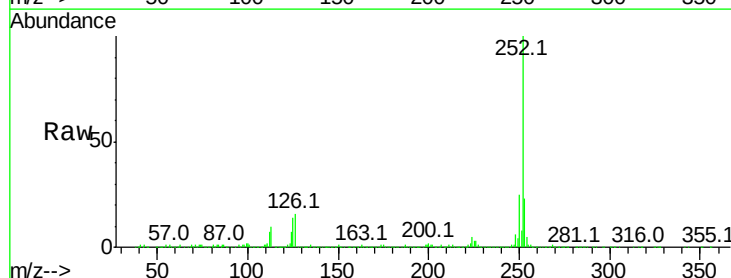
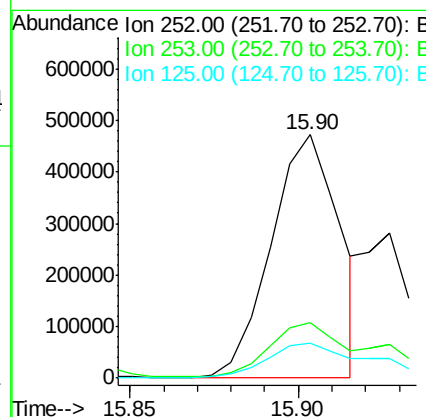
RT: 15.90 min Scan# 2383

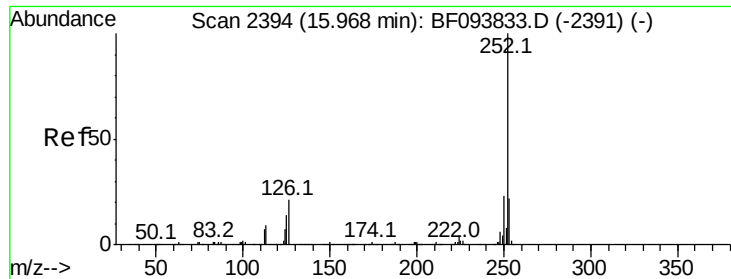
Delta R.T. 0.01 min

Lab File: BF093945.D

Acq: 27 Mar 2017 15:38

Tgt Ion:	252	Resp:	669710
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.1	27.1
125	14.2	9.8	14.8





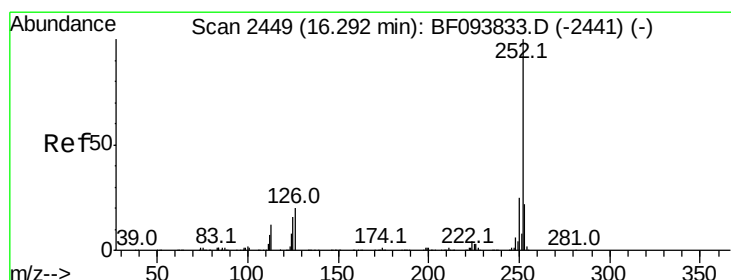
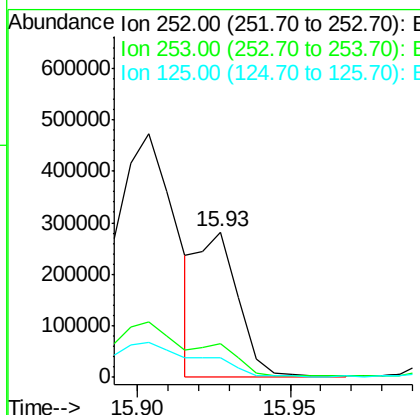
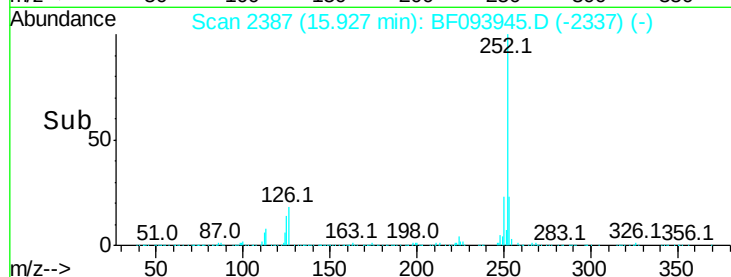
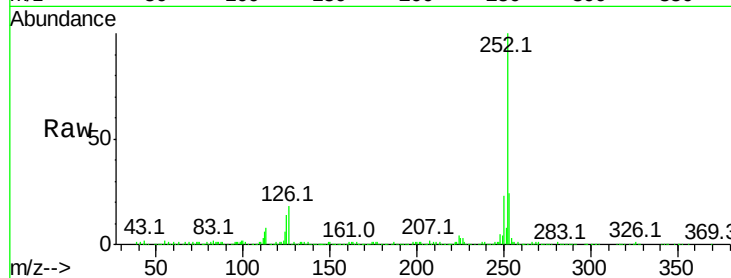
#88
Benzo(k)fluoranthene
Concen: 14.52 ng m
RT: 15.93 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Instrument :
BNA_F
ClientSampleId :
E2-DD10-BASEDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	13.8	13.1	19.7

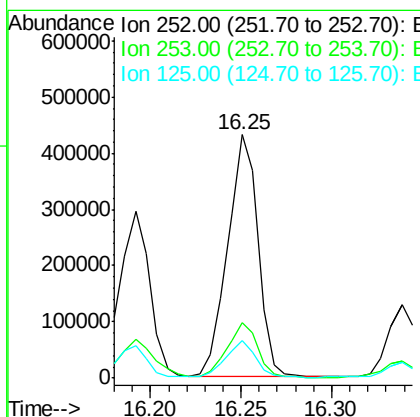
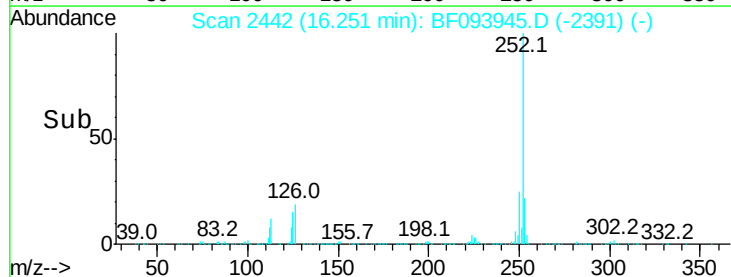
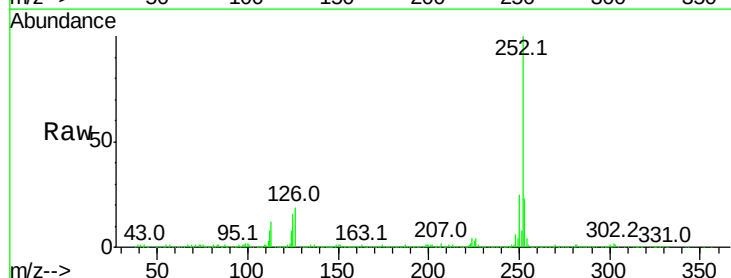
Manual Integrations
APPROVED

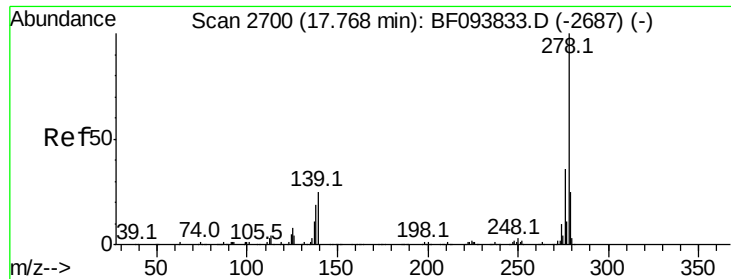
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#89
Benzo(a)pyrene
Concen: 29.60 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	15.7	11.0	16.4





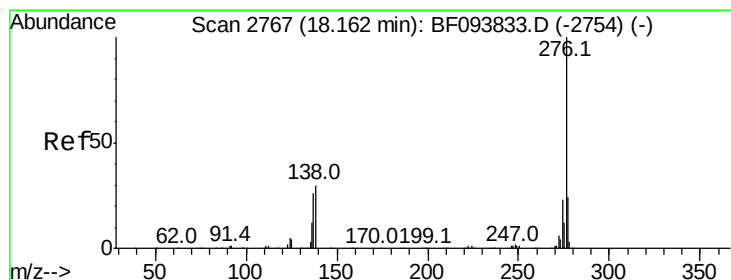
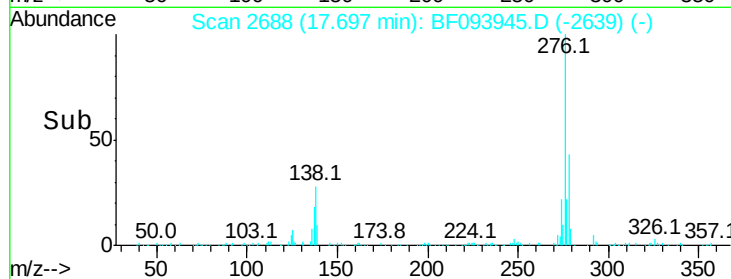
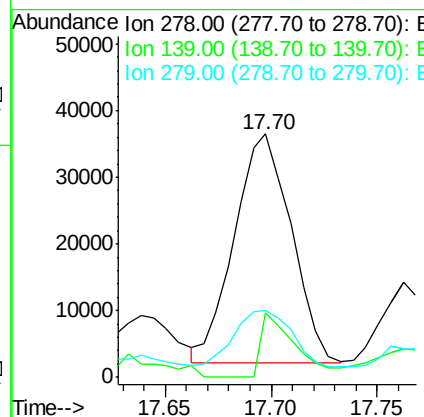
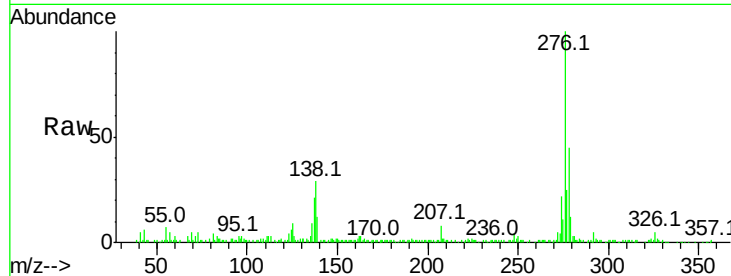
#90
Dibenzo(a,h)anthracene
Concen: 4.46 ng m
RT: 17.70 min Scan# 2688
Delta R.T. -0.01 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Instrument :
BNA_F
ClientSampleId :
E2-DD10-BASEDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.4	16.6	24.8#
279	27.3	19.3	28.9

Manual Integrations
APPROVED

mohammad
3/28/2017 3:43:09 PM



#91
Benzo(g,h,i)perylene
Concen: 17.75 ng
RT: 18.09 min Scan# 2755
Delta R.T. -0.01 min
Lab File: BF093945.D
Acq: 27 Mar 2017 15:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	30.3	25.4	38.0

