

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
 Data File : BE093690.D
 Acq On : 6 Aug 2017 00:26
 Operator : SJ/JU
 Sample : I4427-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LASB-19A-1

Manual Integrations
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Quant Time: Aug 06 03:45:14 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 10:58:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	3116	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	16058	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	9092	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	22232	0.40	ng	0.00
27) Chrysene-d12	21.41	240	23121	0.40	ng	-0.01
34) Perylene-d12	23.92	264	21115	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	2419	0.26	ng	0.00
5) Phenol-d6	7.09	99	3801	0.27	ng	-0.01
8) Nitrobenzene-d5	9.06	82	3188	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	5430	0.21	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	528	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7445	0.20	ng	-0.02
25) Fluoranthene-d10	19.27	212	50550	0.20	ng	0.00
29) Terphenyl-d14	19.86	244	9387	0.23	ng	0.00

Target Compounds					Qvalue	
23) Phenanthrene	17.27	178	11523m	0.236	ng	
24) Anthracene	17.37	178	19504m	0.292	ng	
26) Fluoranthene	19.30	202	44073	0.566	ng	98
28) Pyrene	19.66	202	45547	0.610	ng	# 97
30) Benzo(a)anthracene	21.39	228	47545	0.700	ng	95
31) Chrysene	21.45	228	45190	0.596	ng	96
32) Bis(2-ethylhexyl)phthalate	21.31	149	24649	0.266	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.55	276	45560	0.664	ng	93
35) Benzo(b)fluoranthene	23.14	252	45320	0.602	ng	# 96
36) Benzo(k)fluoranthene	23.19	252	42532	0.552	ng	94
37) Benzo(a)pyrene	23.80	252	43043	0.631	ng	96
38) Dibenzo(a,h)anthracene	26.57	278	37526	0.570	ng	# 90
39) Benzo(g,h,i)perylene	27.37	276	38710	0.579	ng	94

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

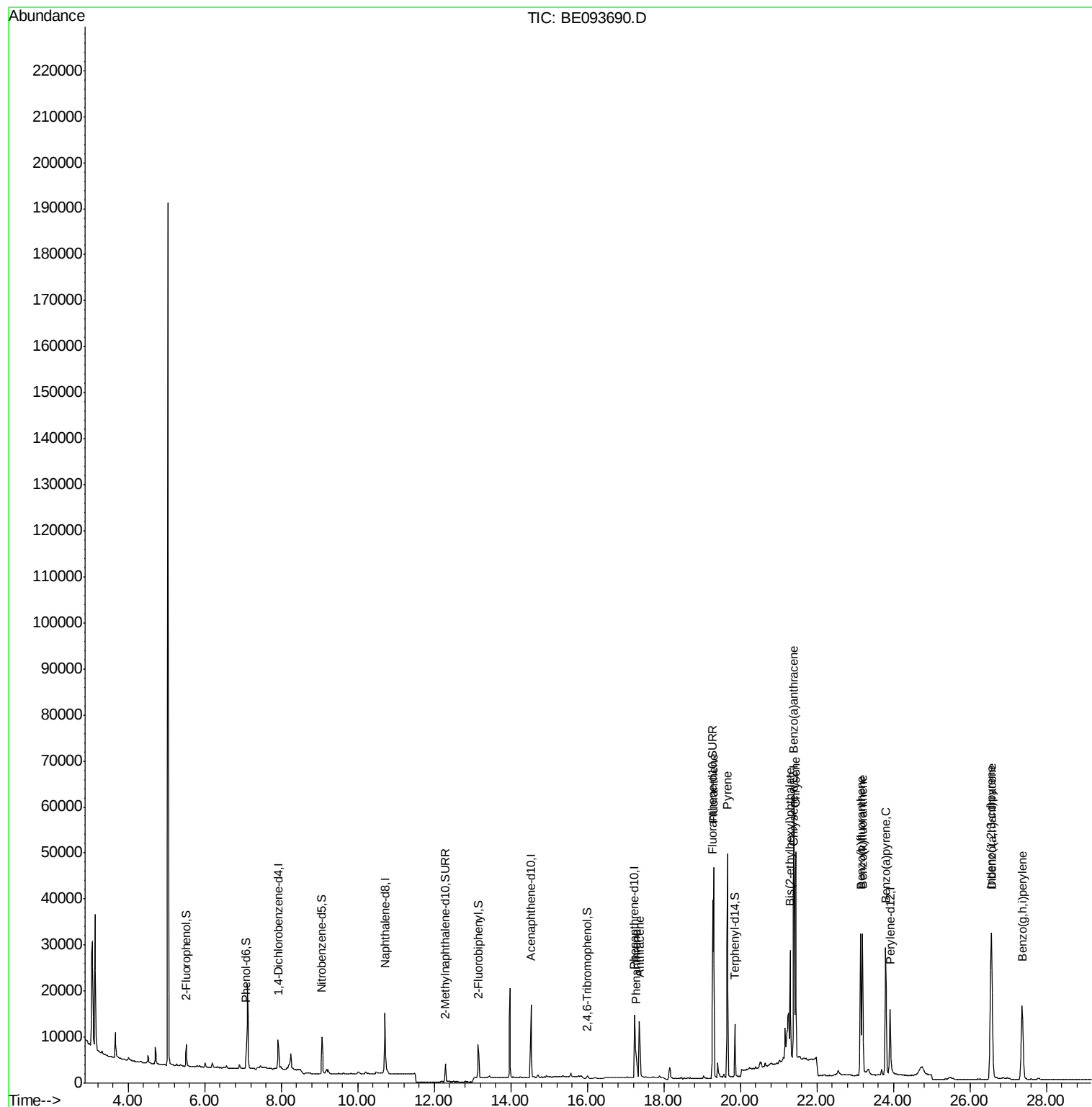
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080517\
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#1

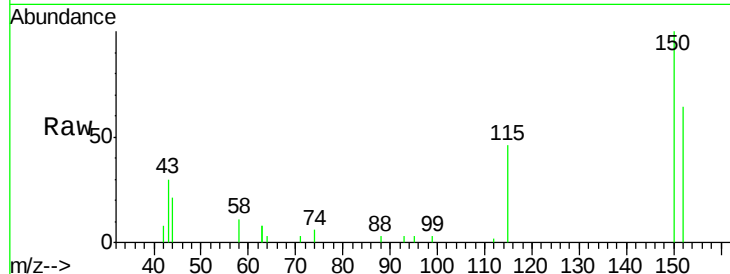
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.01 min
Lab File: BE093690.D
Acq: 6 Aug 2017 00:26

Instrument :
BNA_E
ClientSampleId :
LASB-19A-1

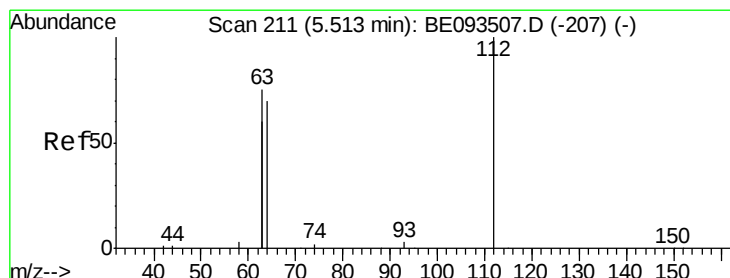
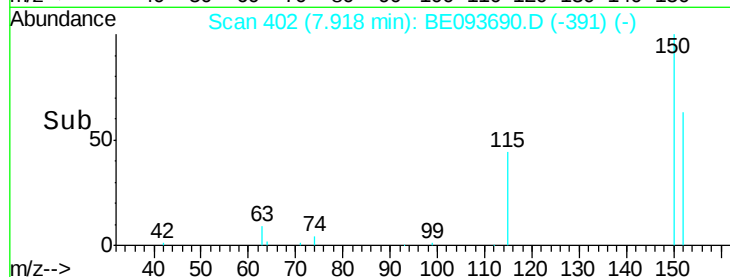
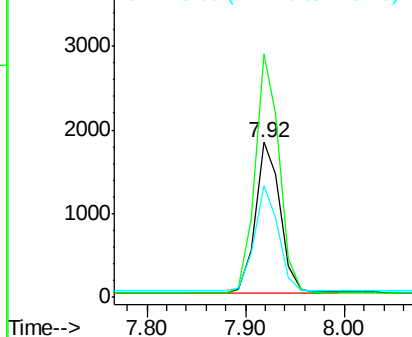
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	125.1	187.7
115	71.9	55.7	83.5

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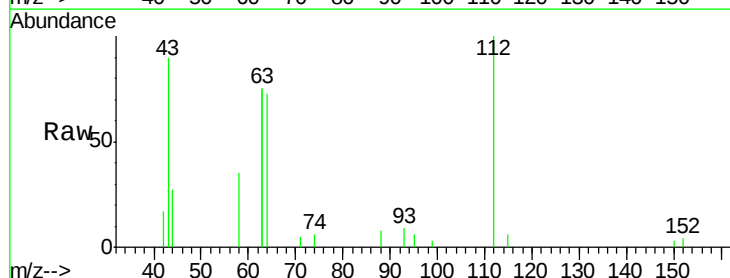
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



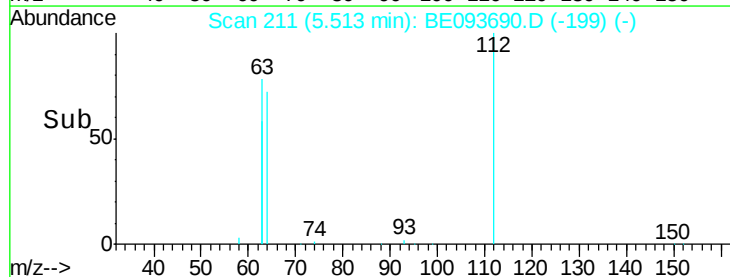
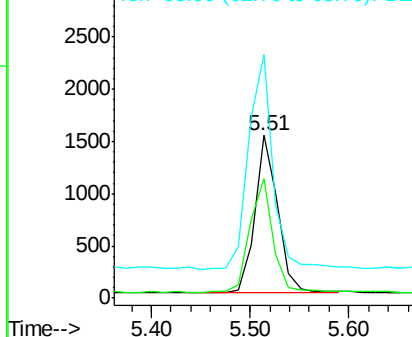
#4

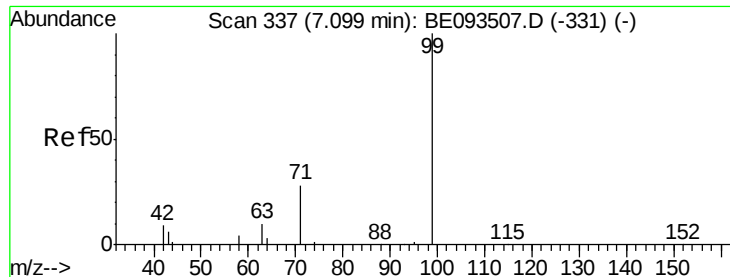
2-Fluorophenol
Concen: 0.261 ng
RT: 5.51 min Scan# 211
Delta R.T. 0.00 min
Lab File: BE093690.D
Acq: 6 Aug 2017 00:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	56.4	84.6
63	145.4	29.3	43.9#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.272 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

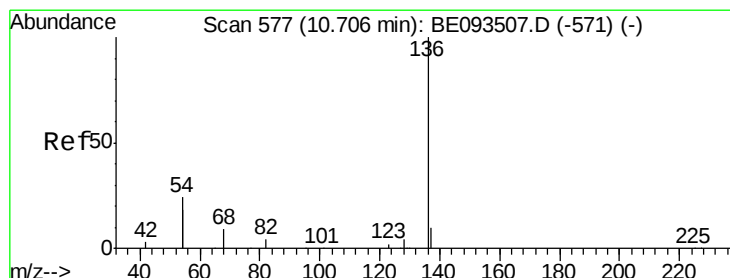
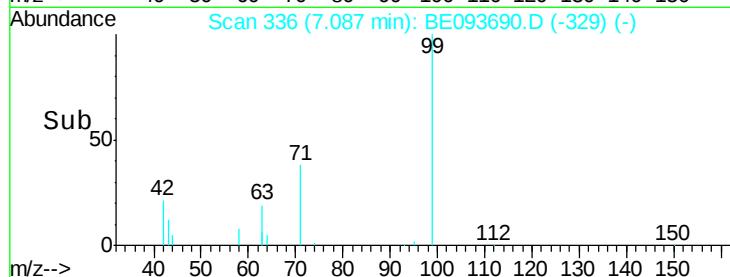
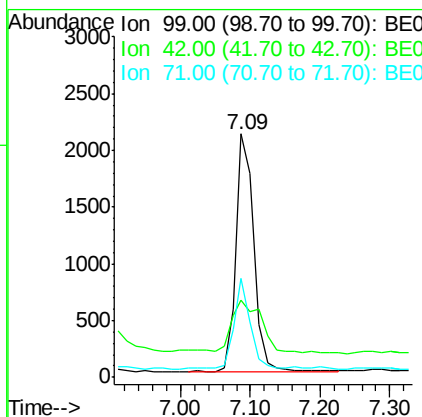
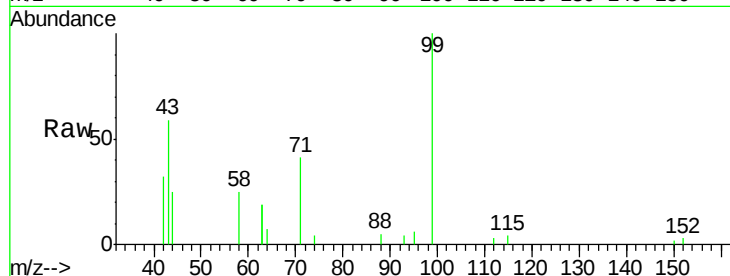
ClientSampleId :

LASB-19A-1

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	3801		
42	38.5	0.0	0.0#	
71	33.6	0.0	0.0#	

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#7

Naphthalene-d8

Concen: 0.400 ng

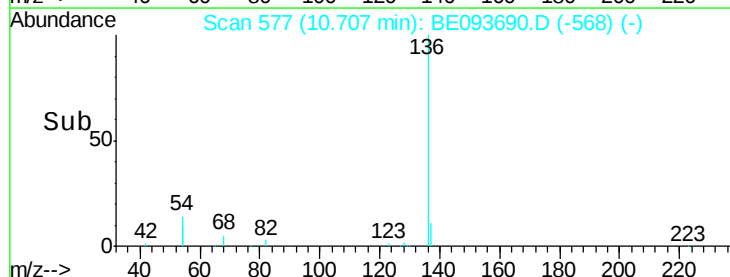
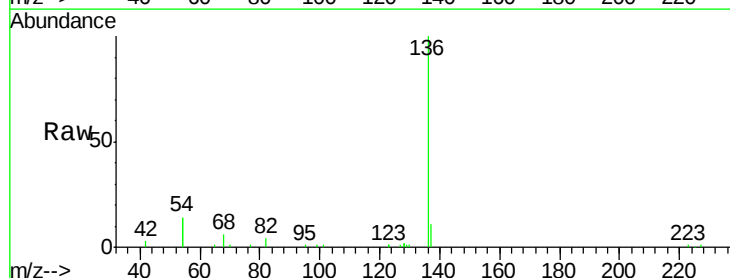
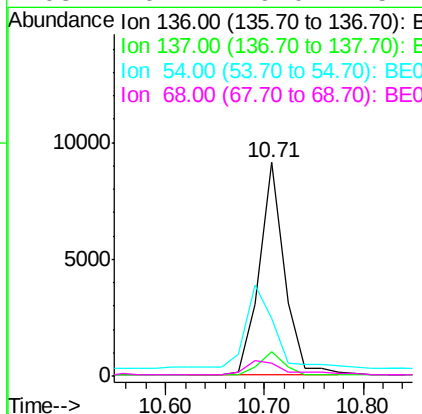
RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	16058		
137	11.3	9.8	14.8	
54	27.1	10.3	15.5#	
68	6.1	9.0	13.4#	





#8

Nitrobenzene-d5

Concen: 0.260 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

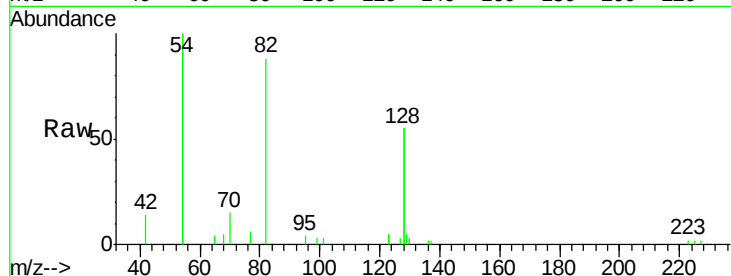
ClientSampled :

LASB-19A-1

Tgt Ion:	82	Resp:	3188
Ion Ratio	Lower	Upper	
82	100		
128	125.1	17.0	25.4#
54	228.2	53.8	80.6#

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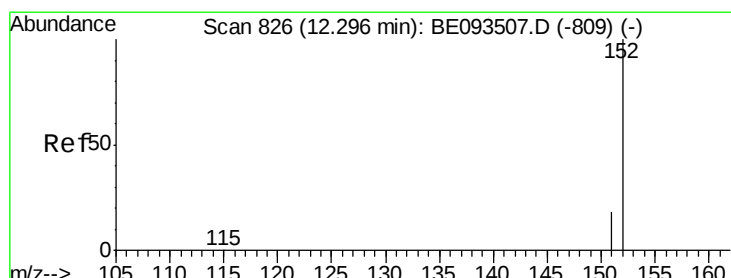
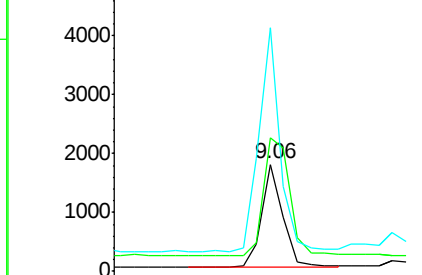
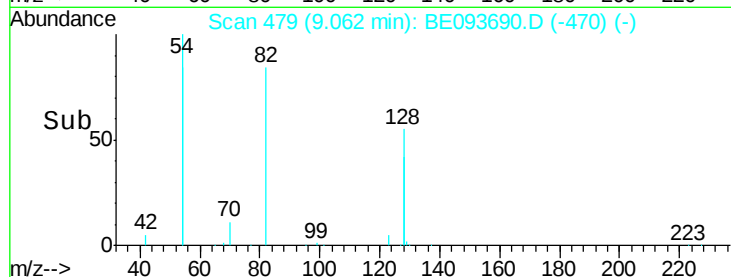


Abundance Ion 82.00 (81.70 to 82.70): BE093507.D (-477) (-)

Ion 128.00 (127.70 to 128.70): BE093507.D (-477) (-)

Ion 54.00 (53.70 to 54.70): BE093507.D (-477) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.214 ng

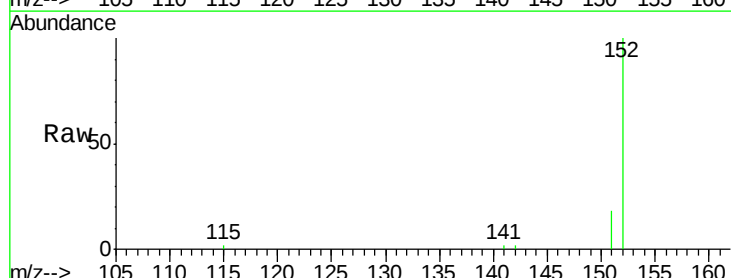
RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

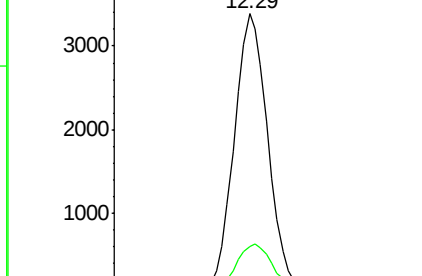
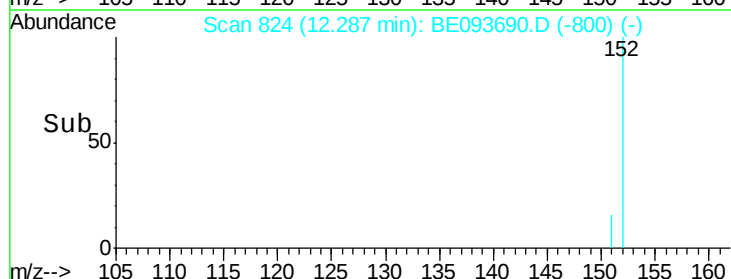
Tgt Ion:	152	Resp:	5430
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.1	22.7

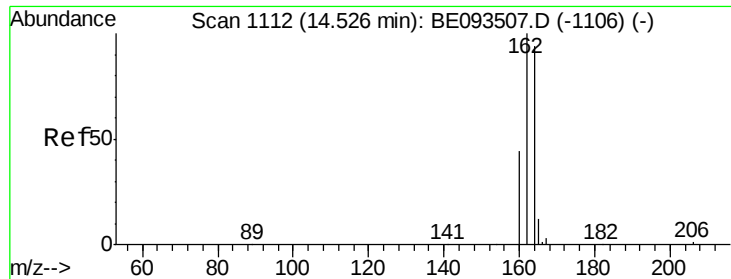


Abundance Ion 152.00 (151.70 to 152.70): BE093507.D (-809) (-)

Ion 151.00 (150.70 to 151.70): BE093507.D (-809) (-)

Time-->





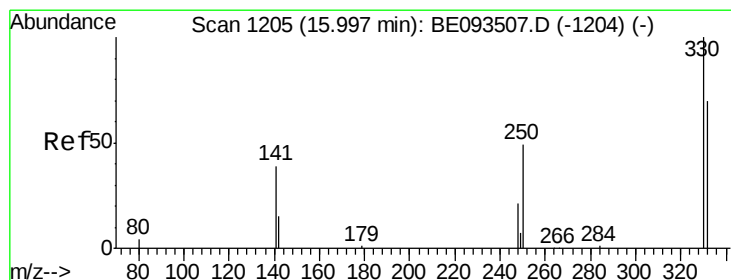
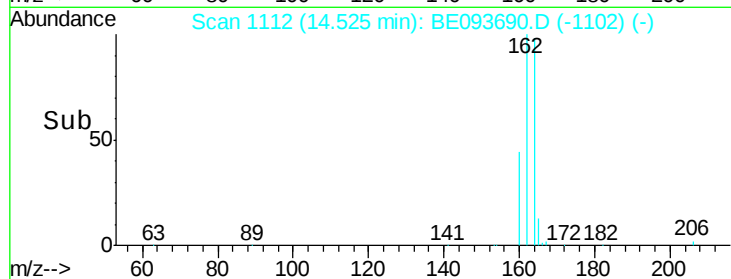
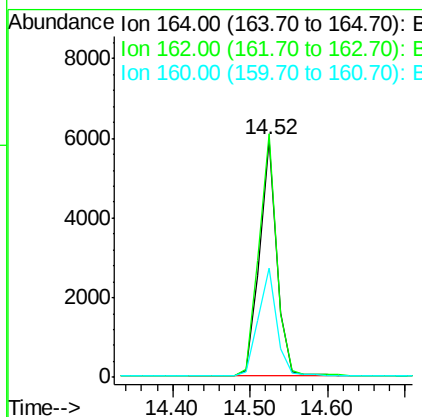
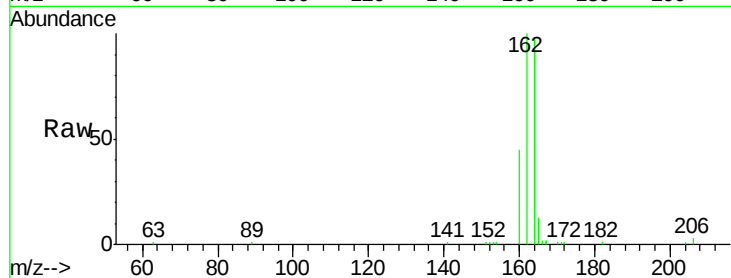
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BE093690.D
Acq: 6 Aug 2017 00:26

Instrument :
BNA_E
ClientSampleId :
LASB-19A-1

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	84.6	127.0
160	46.0	41.8	62.6

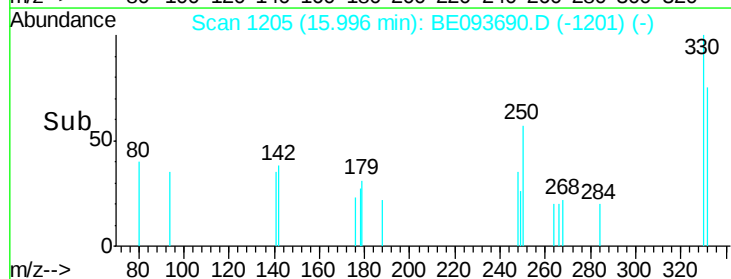
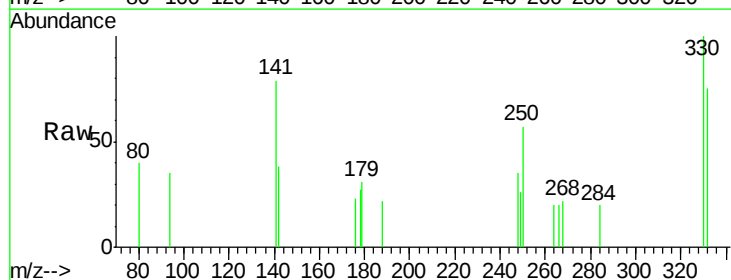
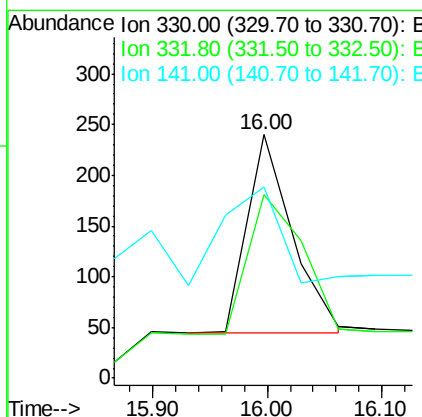
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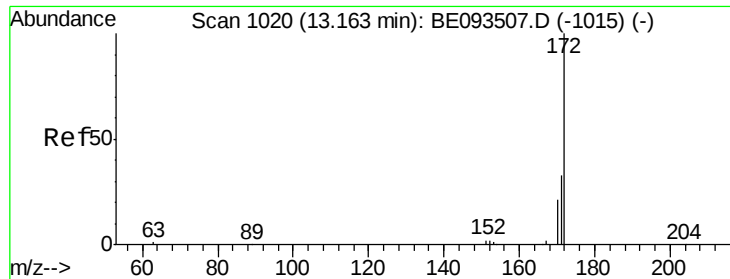
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#14
2,4,6-Tribromophenol
Concen: 0.301 ng
RT: 16.00 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BE093690.D
Acq: 6 Aug 2017 00:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	86.4	77.7	116.5
141	63.3	56.2	84.4





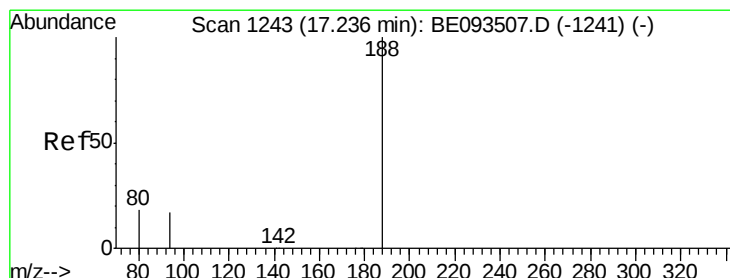
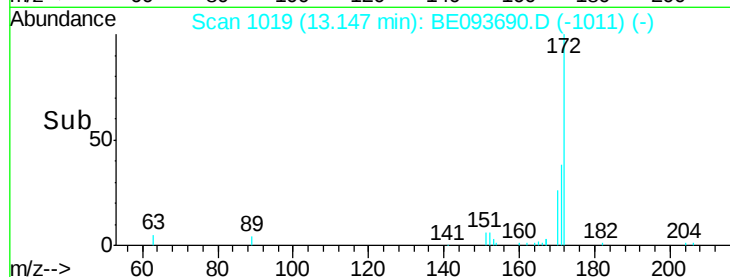
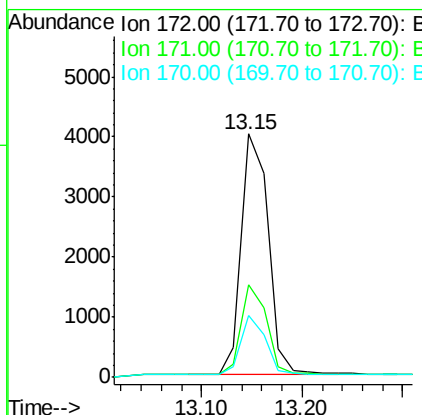
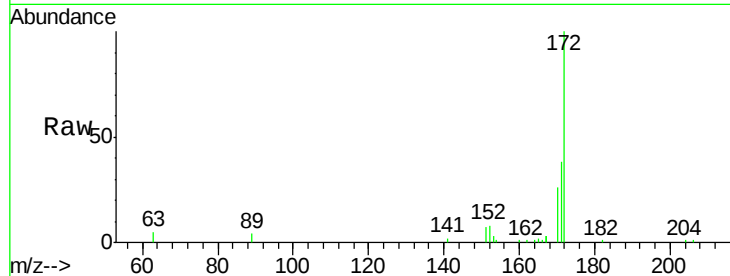
#15
2-Fluorobiphenyl
Concen: 0.205 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BE093690.D
Acq: 6 Aug 2017 00:26

Instrument :
BNA_E
ClientSampled :
LASB-19A-1

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.8	44.6
170	25.6	20.7	31.1

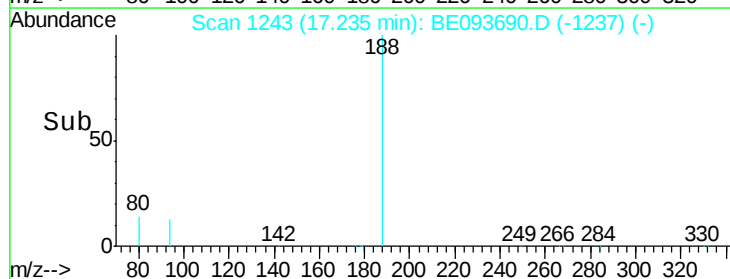
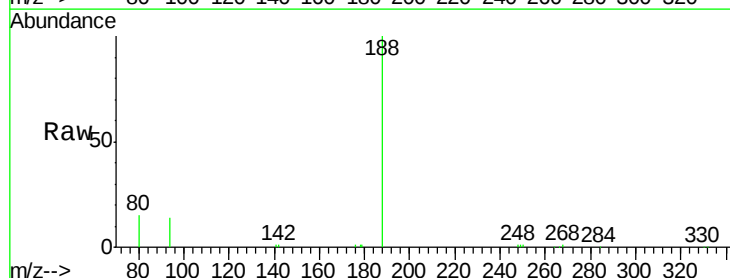
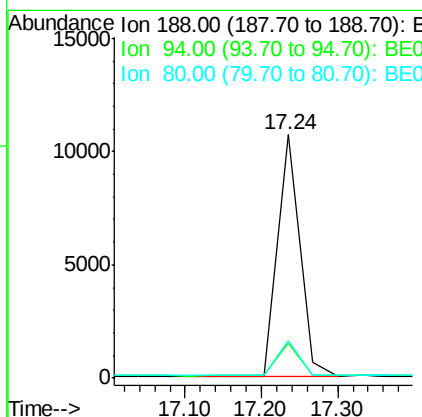
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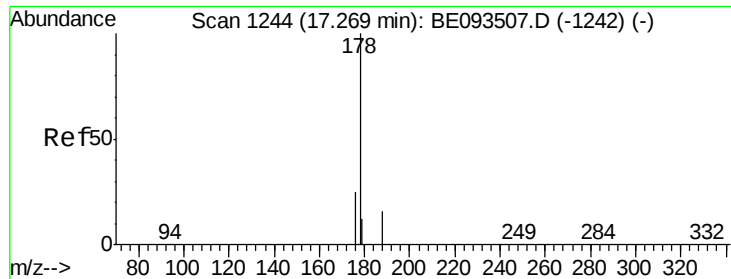
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093690.D
Acq: 6 Aug 2017 00:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.3	11.3	16.9
80	15.2	11.7	17.5





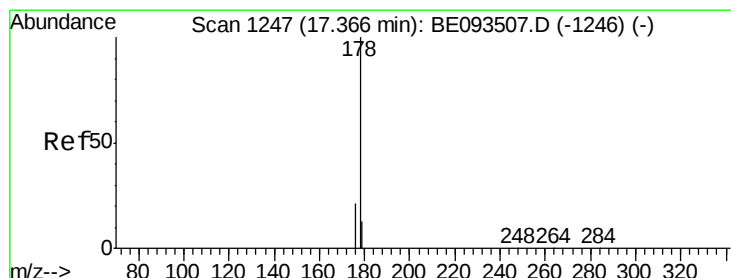
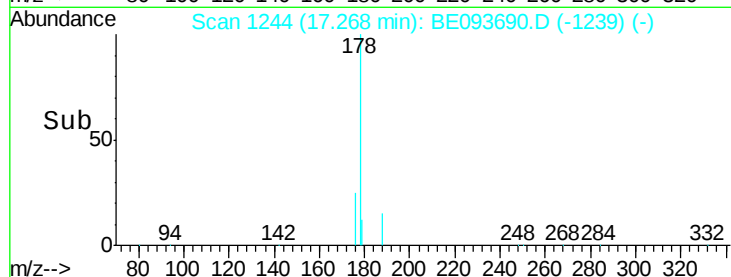
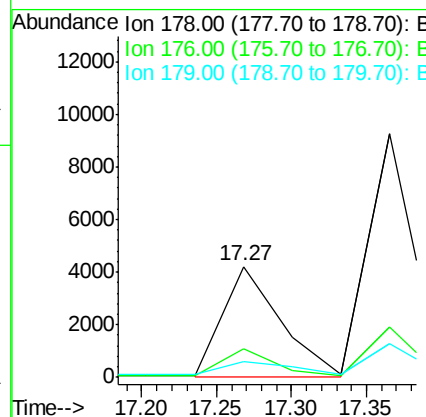
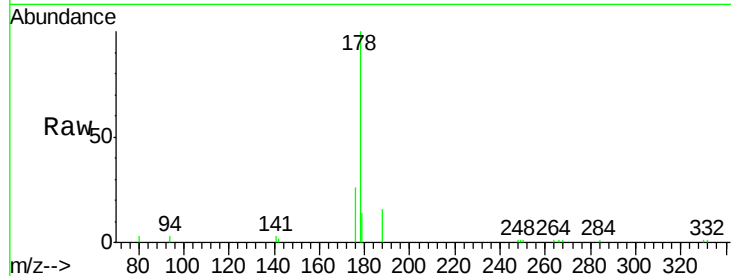
#23
Phenanthrene
Concen: 0.236 ng m
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093690.D
Acq: 6 Aug 2017 00:26

Instrument :
BNA_E
ClientSampled :
LASB-19A-1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.0	22.4#
179	0.0	12.7	19.1#

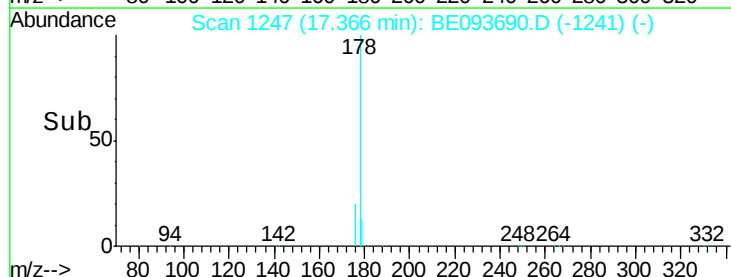
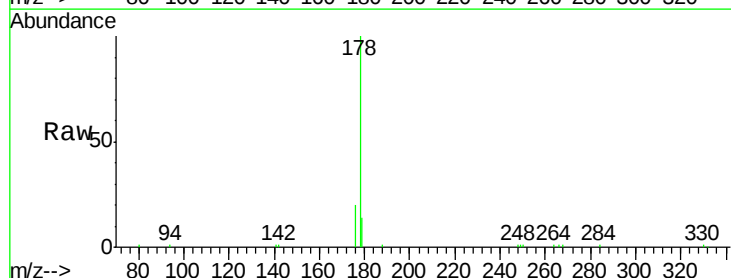
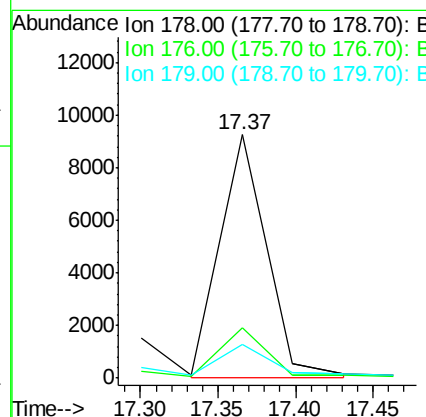
Manual Integrations
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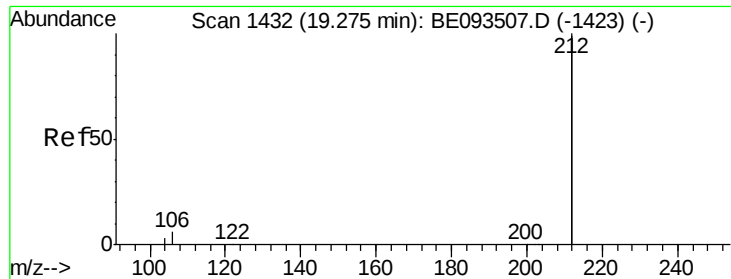
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#24
Anthracene
Concen: 0.292 ng m
RT: 17.37 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE093690.D
Acq: 6 Aug 2017 00:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	21.7	12.0	18.0#





#25

Fluoranthene-d10

Concen: 0.200 ng

RT: 19.27 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

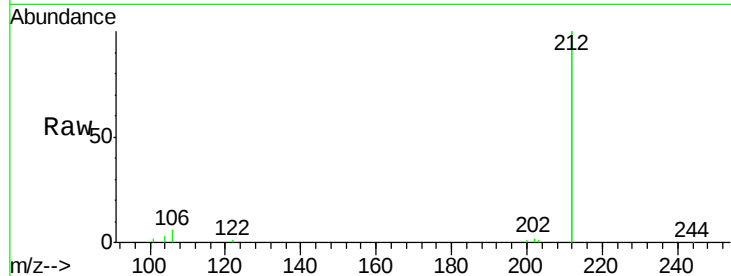
ClientSampled :

LASB-19A-1

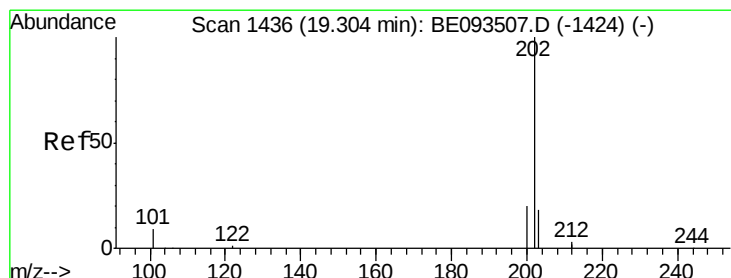
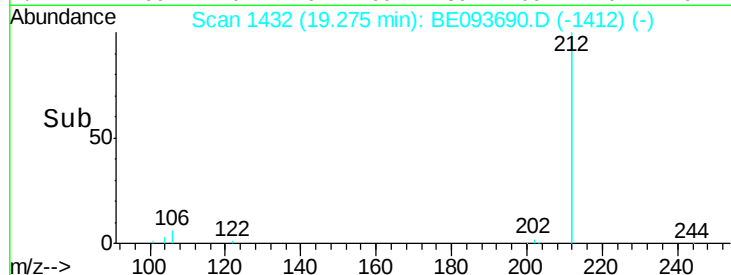
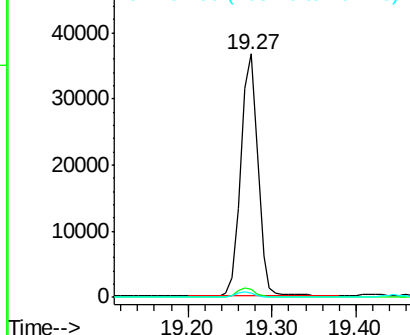
Tgt Ion:	212	Resp:	50550
Ion Ratio	Lower	Upper	
212	100		
106	3.7	2.4	3.6#
104	2.1	1.6	2.4

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.566 ng

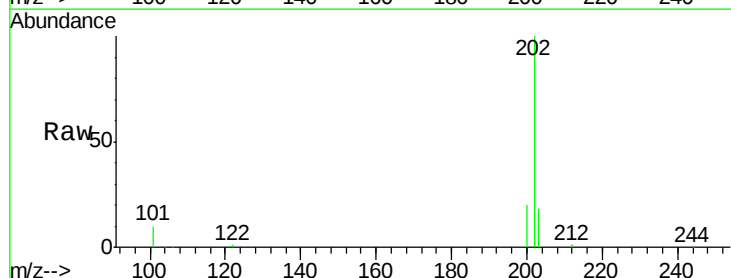
RT: 19.30 min Scan# 1436

Delta R.T. 0.00 min

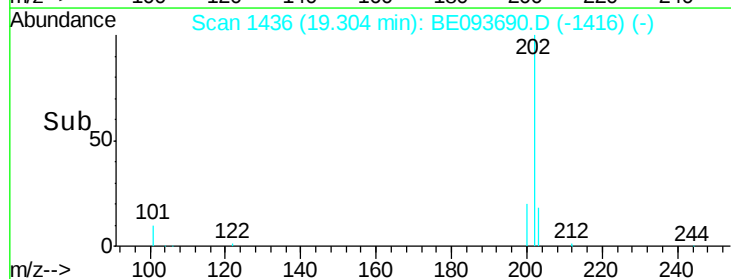
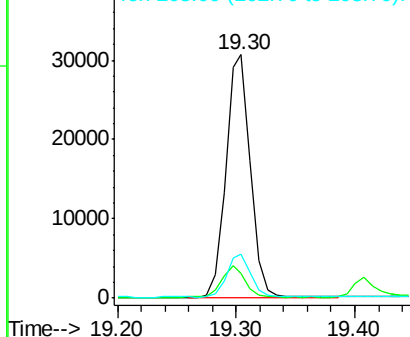
Lab File: BE093690.D

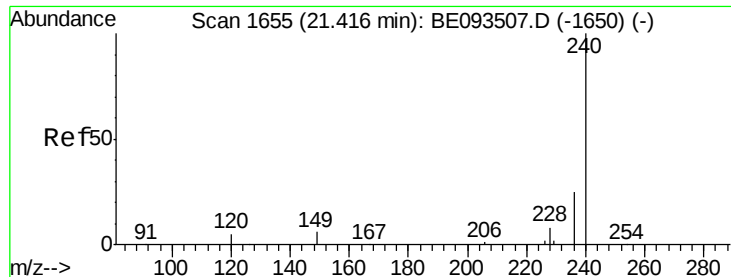
Acq: 6 Aug 2017 00:26

Tgt Ion:	202	Resp:	44073
Ion Ratio	Lower	Upper	
202	100		
101	12.6	9.6	14.4
203	17.3	14.4	21.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





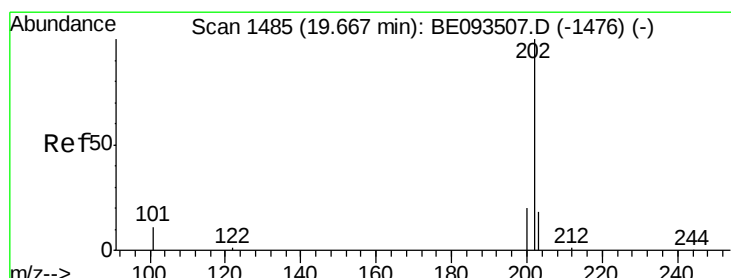
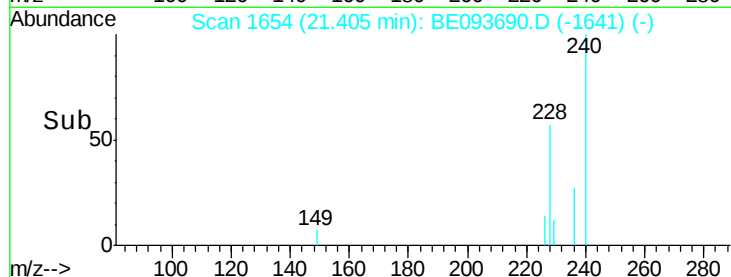
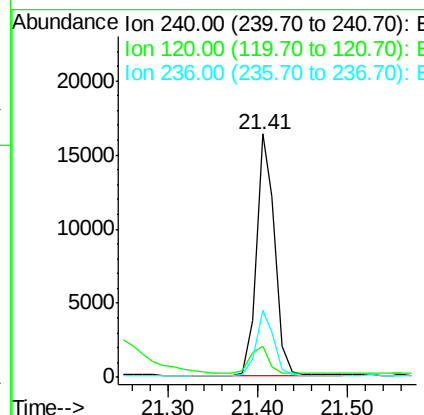
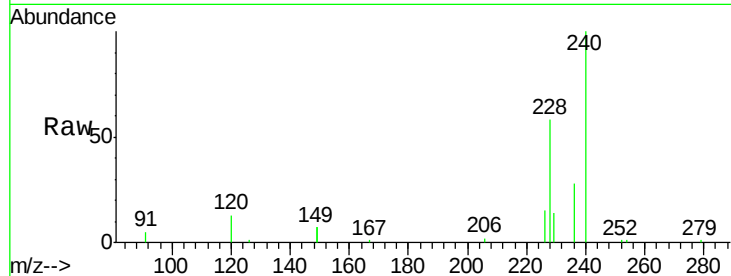
#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE093690.D
 Acq: 6 Aug 2017 00:26

Instrument :
 BNA_E
 ClientSampled :
 LASB-19A-1

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.9	4.6	7.0#
236	27.7	20.8	31.2

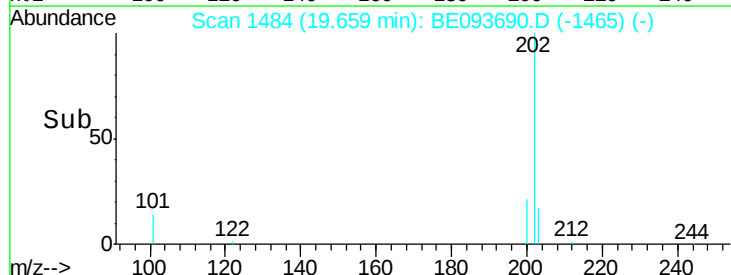
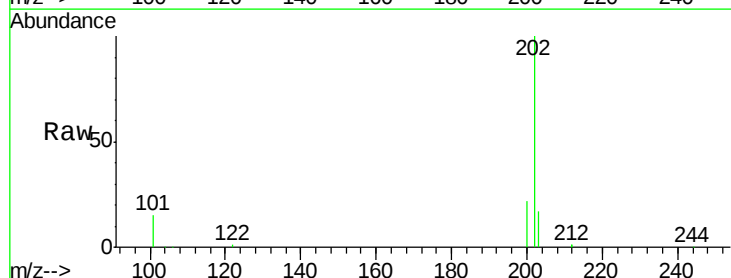
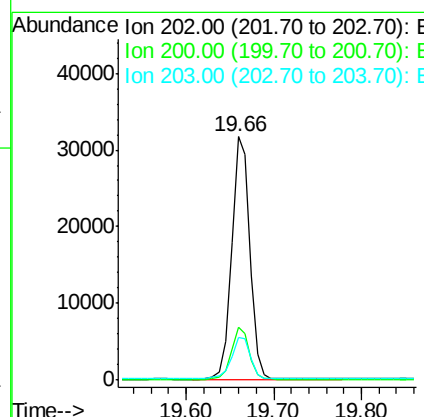
Manual Integrations
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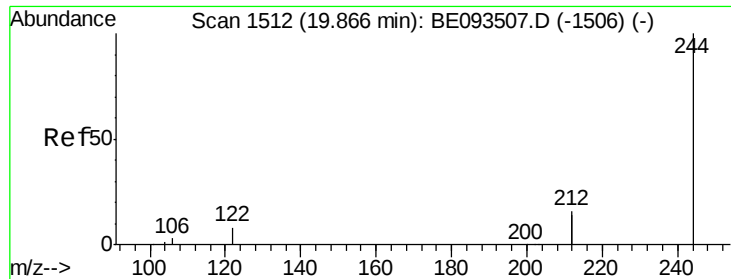
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#28
Pyrene
 Concen: 0.610 ng
 RT: 19.66 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: BE093690.D
 Acq: 6 Aug 2017 00:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	0.0	0.0#
203	18.3	13.7	20.5





#29

Terphenyl-d14

Concen: 0.226 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093690.D

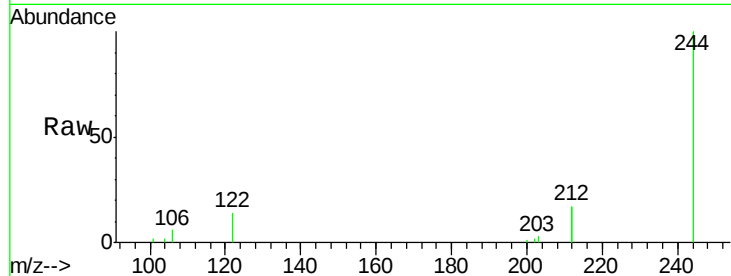
Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

ClientSampleId :

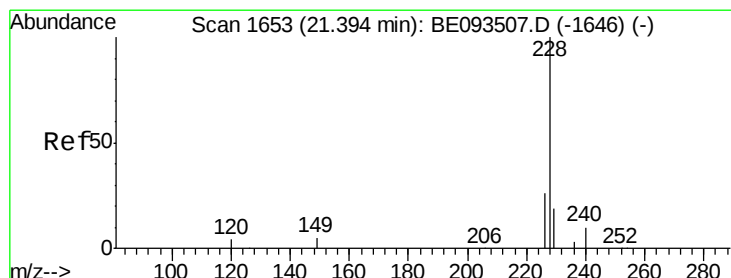
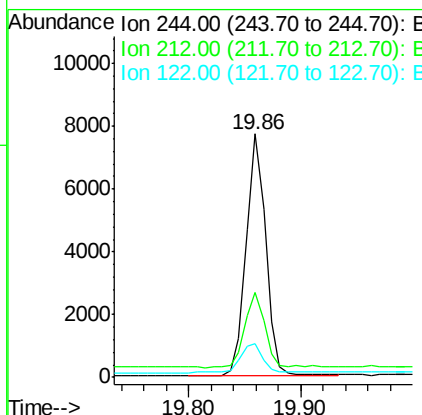
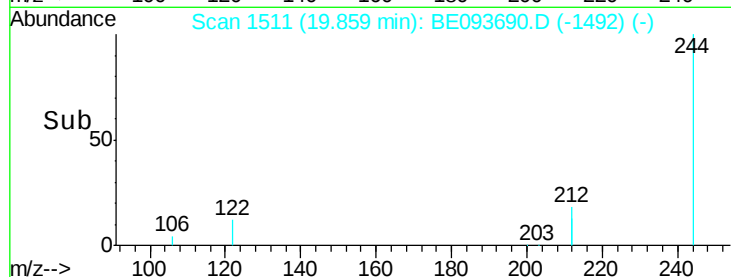
LASB-19A-1



Tgt Ion:	244	Resp:	9387
Ion Ratio	Lower	Upper	
244	100		
212	34.8	10.6	16.0#
122	13.7	15.4	23.0#

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#30

Benzo(a)anthracene

Concen: 0.700 ng

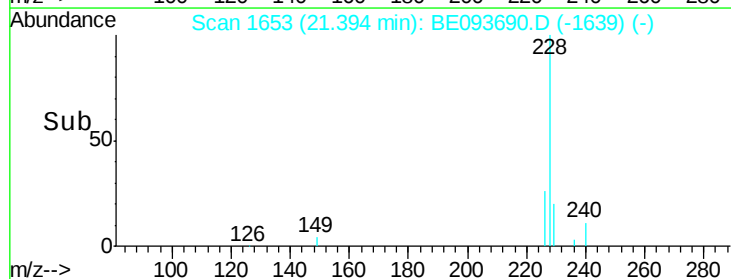
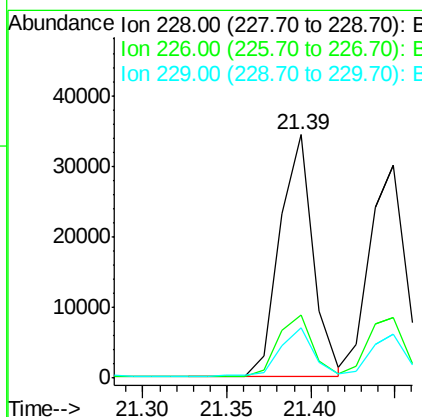
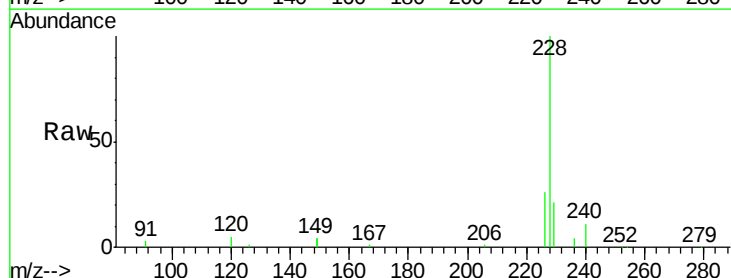
RT: 21.39 min Scan# 1653

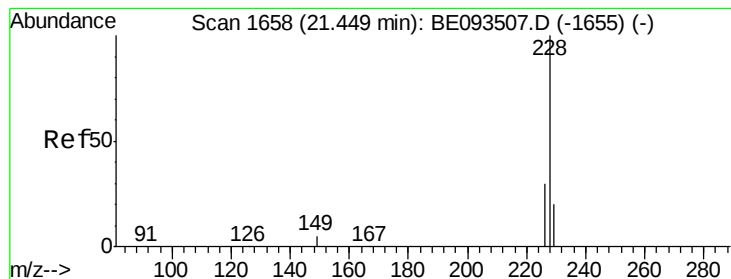
Delta R.T. 0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Tgt Ion:	228	Resp:	47545
Ion Ratio	Lower	Upper	
228	100		
226	26.1	19.7	29.5
229	20.7	19.2	28.8





#31

Chrysene

Concen: 0.596 ng

RT: 21.45 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

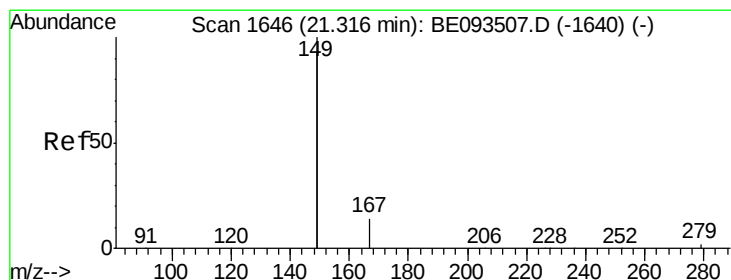
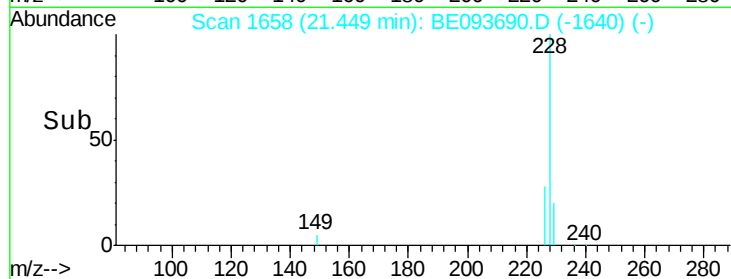
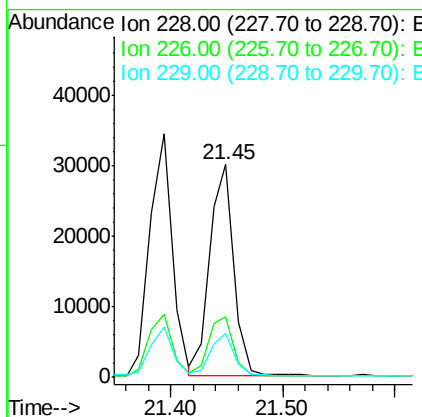
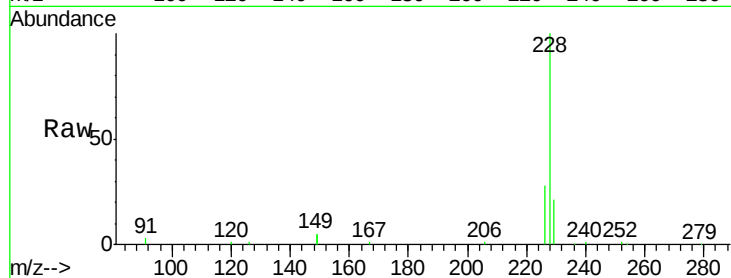
ClientSampleId :

LASB-19A-1

Tgt Ion:	228	Resp:	45190
Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.5	32.3
229	20.8	18.6	28.0

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.266 ng

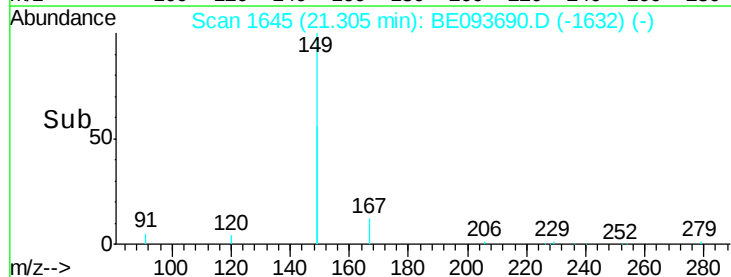
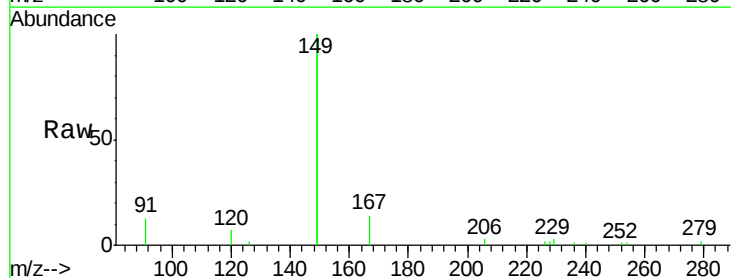
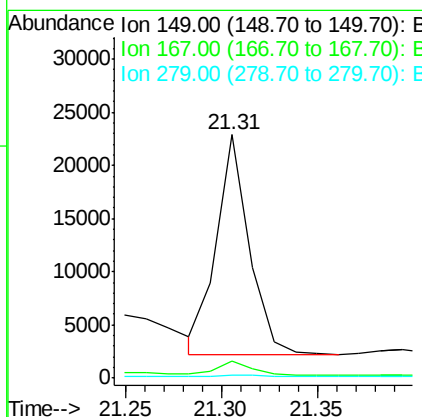
RT: 21.31 min Scan# 1645

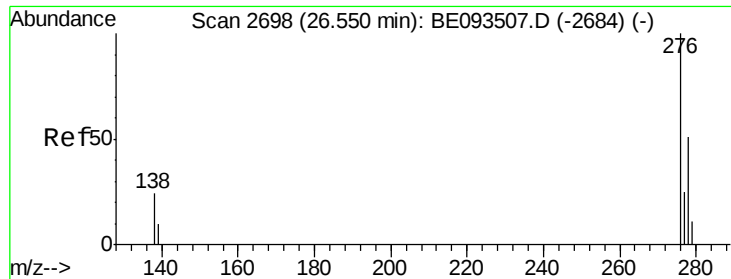
Delta R.T. -0.01 min

Lab File: BE093690.D

Acq: 6 Aug 2017 00:26

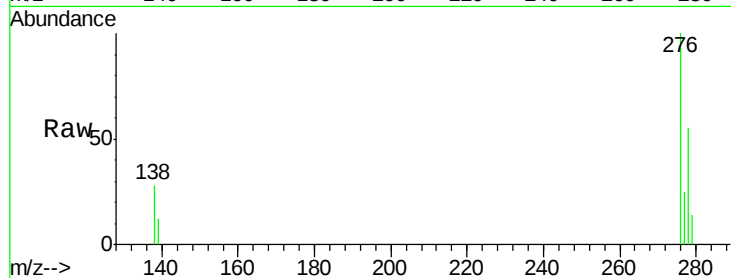
Tgt Ion:	149	Resp:	24649
Ion	Ratio	Lower	Upper
149	100		
167	7.2	4.8	7.2#
279	0.9	0.8	1.2





#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.664 ng
 RT: 26.55 min Scan# 2698
 Delta R.T. 0.00 min
 Lab File: BE093690.D
 Acq: 6 Aug 2017 00:26

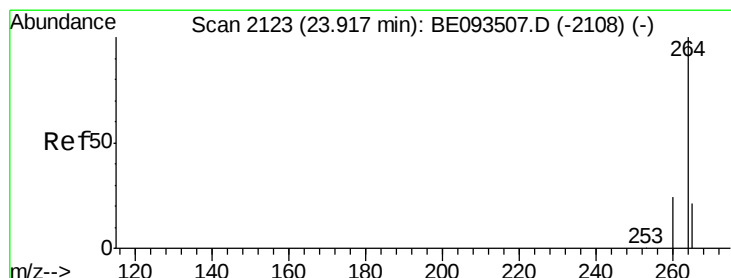
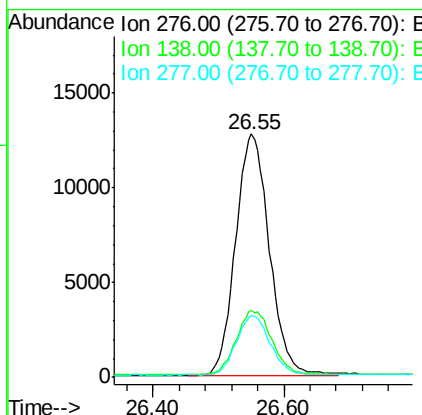
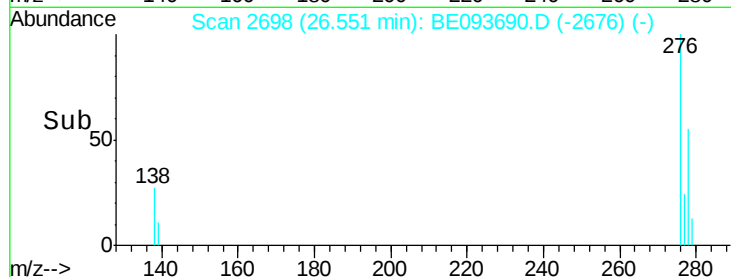
Instrument :
 BNA_E
 ClientSampleId :
 LASB-19A-1



Tgt Ion: 276 Resp: 45560
 Ion Ratio Lower Upper
 276 100
 138 27.6 27.4 41.2
 277 24.6 20.1 30.1

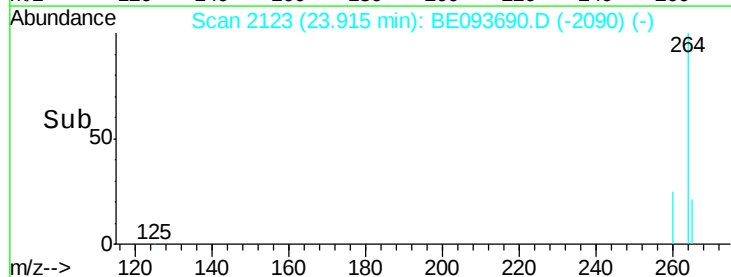
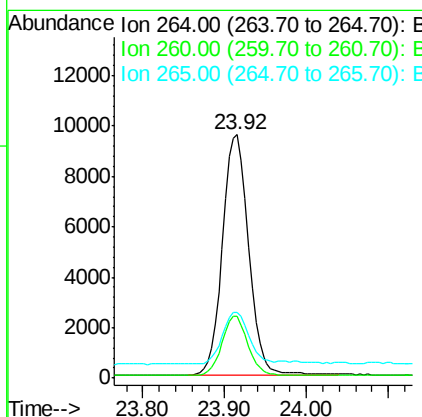
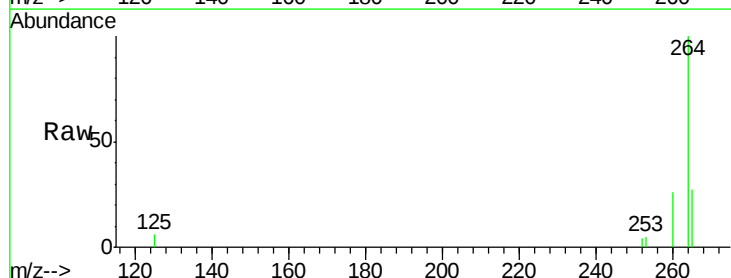
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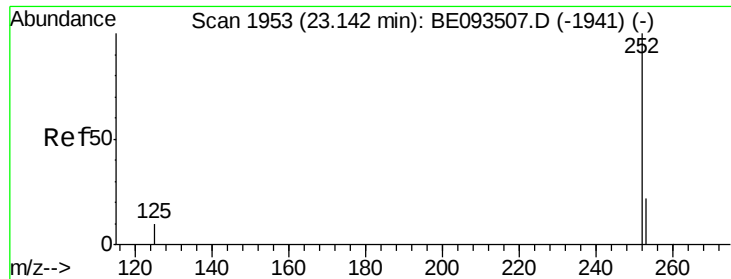
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.92 min Scan# 2123
 Delta R.T. -0.00 min
 Lab File: BE093690.D
 Acq: 6 Aug 2017 00:26

Tgt Ion: 264 Resp: 21115
 Ion Ratio Lower Upper
 264 100
 260 25.7 21.0 31.4
 265 26.8 24.6 36.8





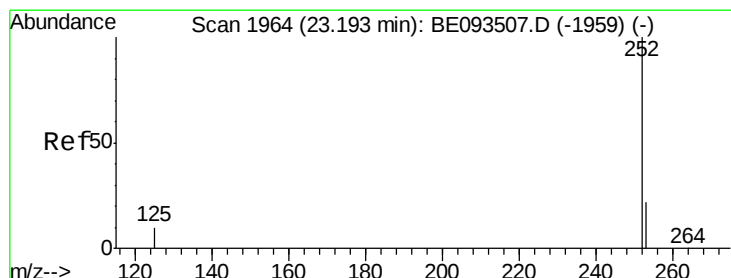
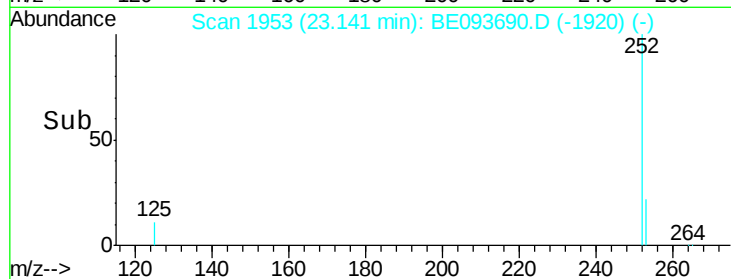
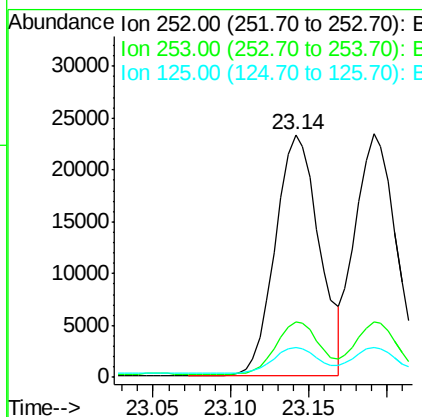
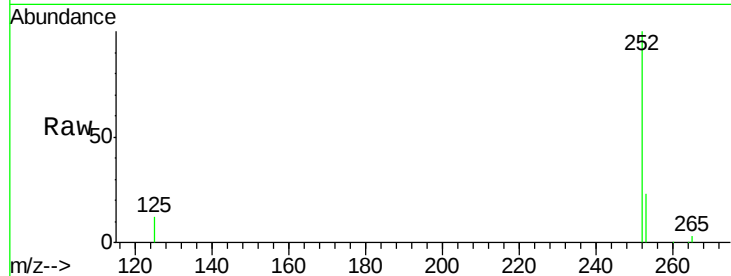
#35
Benzo(b)fluoranthene
Concen: 0.602 ng
RT: 23.14 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BE093690.D
Acq: 6 Aug 2017 00:26

Instrument :
BNA_E
ClientSampleId :
LASB-19A-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	12.4	13.4	20.0

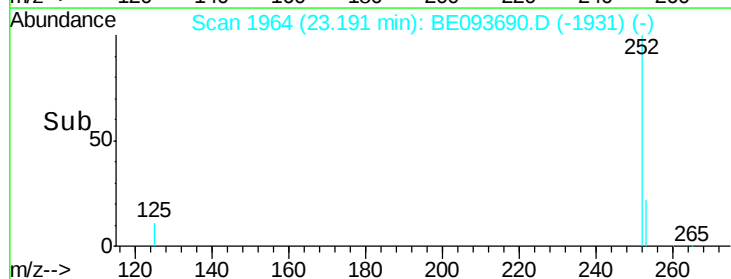
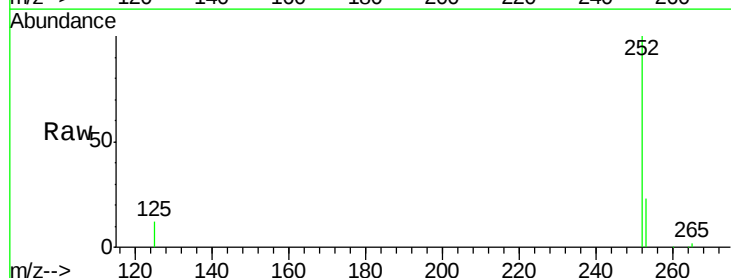
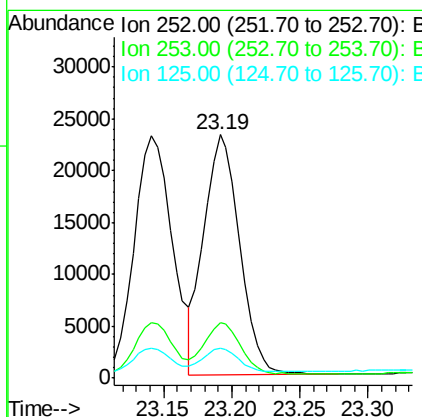
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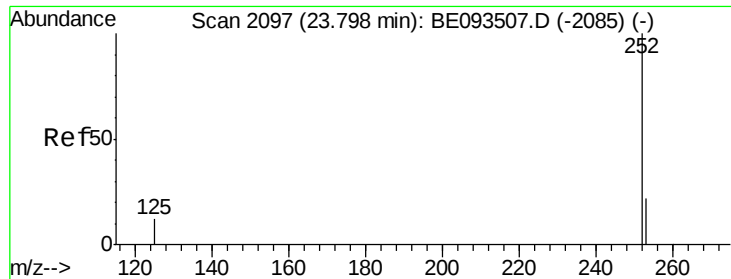
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#36
Benzo(k)fluoranthene
Concen: 0.552 ng
RT: 23.19 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BE093690.D
Acq: 6 Aug 2017 00:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	20.3	30.5
125	12.3	12.2	18.4





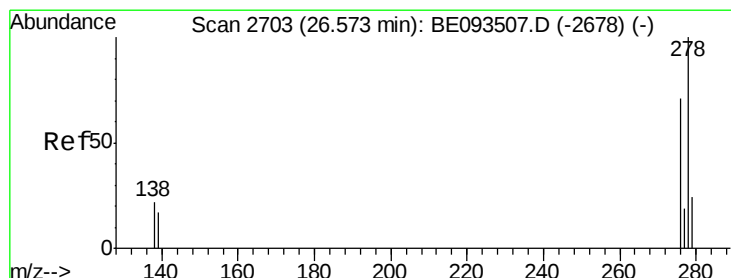
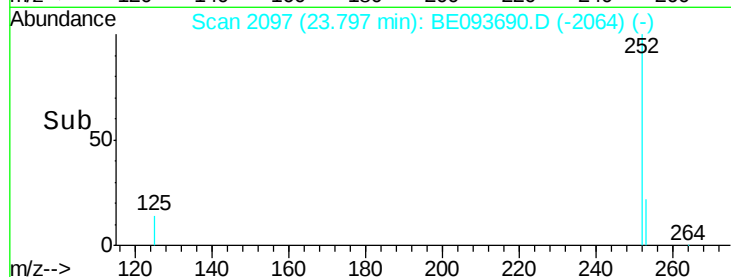
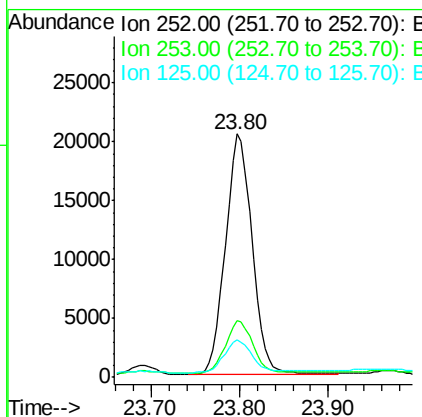
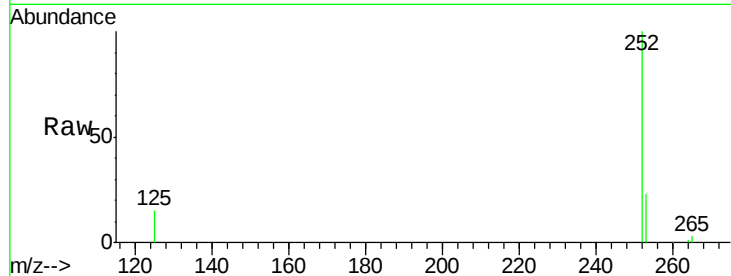
#37
Benzo(a)pyrene
Concen: 0.631 ng
RT: 23.80 min Scan# 2097
Delta R.T. -0.00 min
Lab File: BE093690.D
Acq: 6 Aug 2017 00:26

Instrument :
BNA_E
ClientSampleId :
LASB-19A-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.9	29.9
125	15.4	14.6	21.8

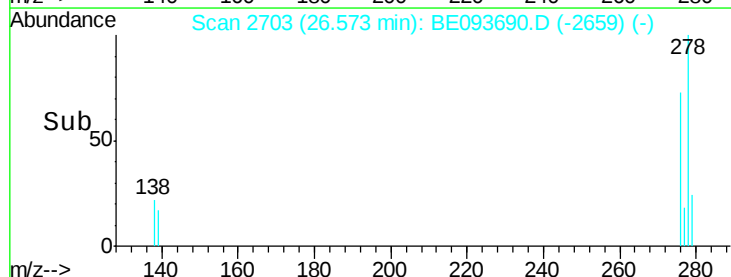
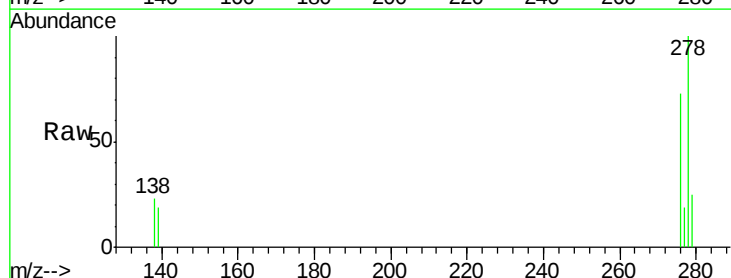
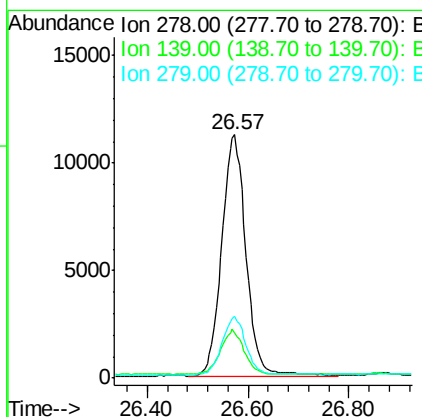
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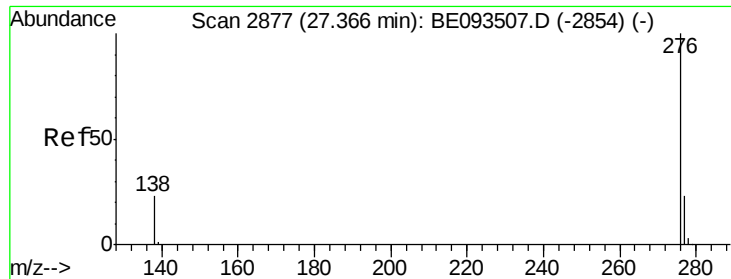
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#38
Dibenzo(a,h)anthracene
Concen: 0.570 ng
RT: 26.57 min Scan# 2703
Delta R.T. 0.00 min
Lab File: BE093690.D
Acq: 6 Aug 2017 00:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.7	21.4	32.0#
279	25.4	22.2	33.2





#39

Benzo(g,h,i)perylene

Concen: 0.579 ng

RT: 27.37 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BE093690.D

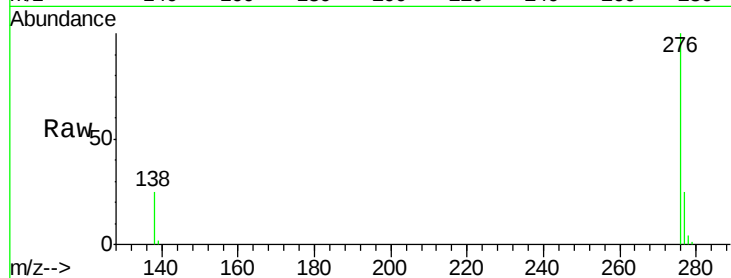
Acq: 6 Aug 2017 00:26

Instrument :

BNA_E

ClientSampleId :

LASB-19A-1



Tgt Ion: 276 Resp: 38710

Ion Ratio Lower Upper

276 100

277 25.0 21.2 31.8

138 25.4 24.5 36.7

Manual Integrations

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