

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE121117\
 Data File : BE094973.D
 Acq On : 11 Dec 2017 14:38
 Operator : SJ/JU
 Sample : I6740-12DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-460I-20171204DL

Manual Integrations
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 12/11/2017 6:24:10 PM

Quant Time: Dec 11 16:01:20 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 13:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	8503	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	17708	0.40	ng	0.00
13) Acenaphthene-d10	15.08	164	9687	0.40	ng	0.00
19) Phenanthrene-d10	17.79	188	24723	0.40	ng	0.02
27) Chrysene-d12	21.89	240	26029	0.40	ng	0.00
34) Perylene-d12	24.57	264	21365	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	883	0.07	ng	0.00
5) Phenol-d6	7.60	99	975	0.05	ng	0.00
8) Nitrobenzene-d5	9.66	82	2605	0.25	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	4649	0.16	ng	0.00
14) 2,4,6-Tribromophenol	16.55	330	390	0.26	ng	0.02
15) 2-Fluorobiphenyl	13.71	172	12148	0.29	ng	0.00
25) Fluoranthene-d10	19.77	212	51867	0.15	ng	0.00
29) Terphenyl-d14	20.33	244	14674	0.31	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.66	88	14446	1.624	ng	Qvalue # 87
22) Pentachlorophenol	17.43	266	141	0.165	ng	91
23) Phenanthrene	17.82	178	2604	0.033	ng	# 93
30) Benzo(a)anthracene	21.87	228	2154	0.027	ng	# 66
31) Chrysene	21.92	228	1916m	0.022	ng	

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

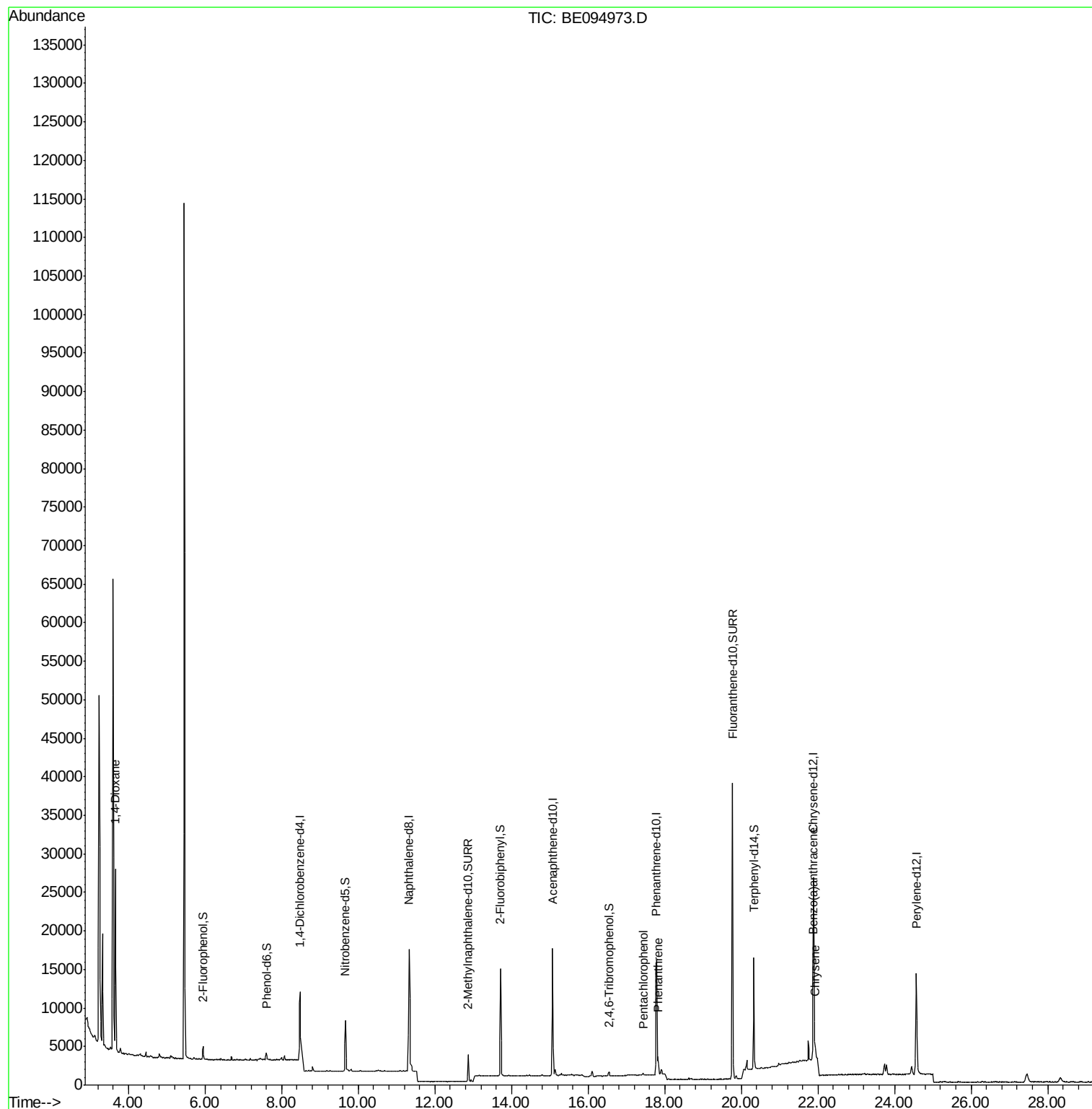
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE121117\
Data File : BE094973.D
Acq On : 11 Dec 2017 14:38
Operator : SJ/JU
Sample : I6740-12DL 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

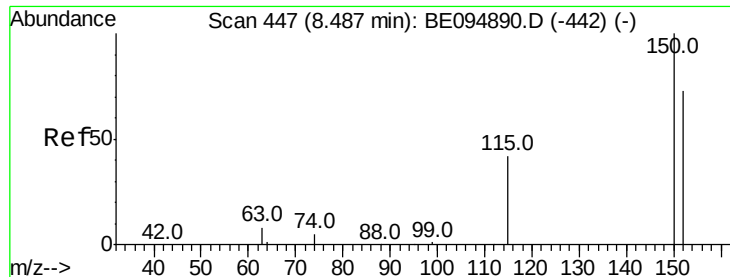
Instrument :
BNA_E
ClientSampleId :
FT-PZ-460I-20171204DL

Manual Integrations
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Quant Time: Dec 11 16:01:20 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 13:33:28 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.48 min Scan# 447

Delta R.T. -0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

ClientSampleId :

FT-PZ-460I-20171204DL

Tot Ion:152 Resp: 8503

Ion Ratio Lower Upper

152 100

150 140.2 117.2 175.8

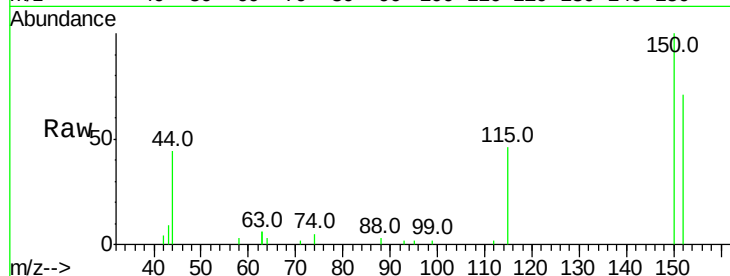
115 64.9 57.0 85.6

Manual Integrations

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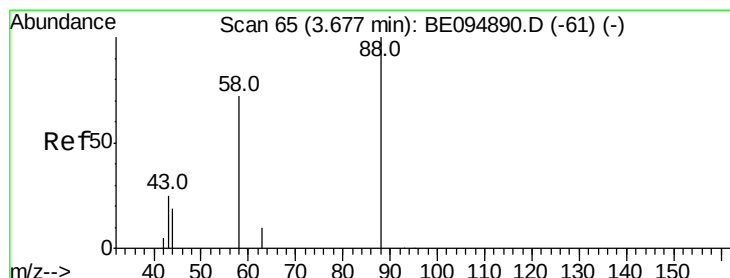
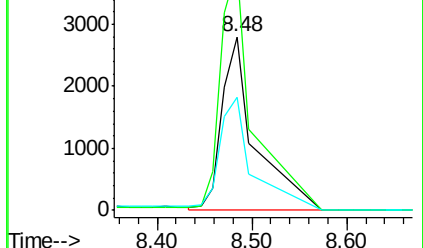
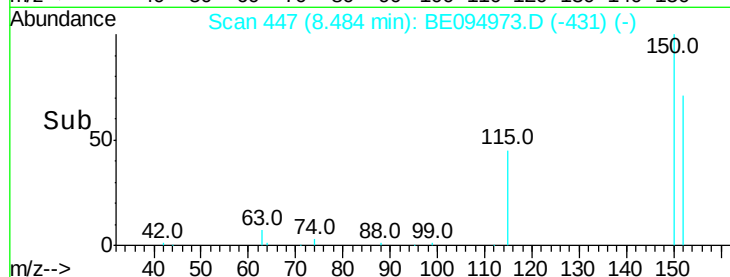
12/11/2017 6:24:10 PM



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



#2

1,4-Dioxane

Concen: 1.624 ng

RT: 3.66 min Scan# 64

Delta R.T. -0.02 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

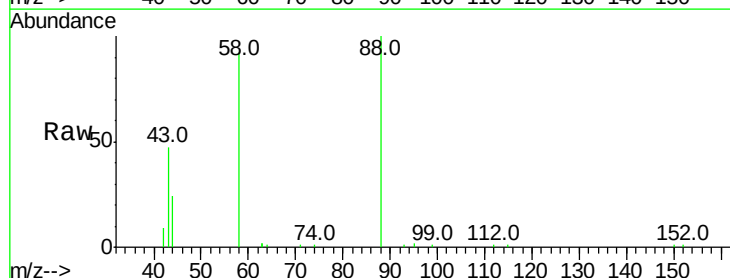
Tgt Ion: 88 Resp: 14446

Ion Ratio Lower Upper

88 100

58 86.8 63.2 94.8

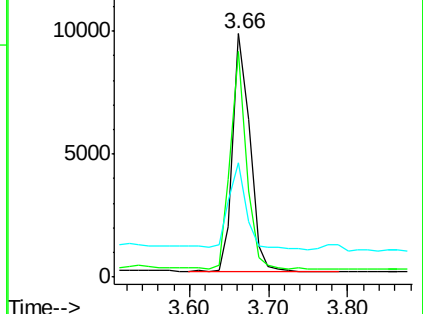
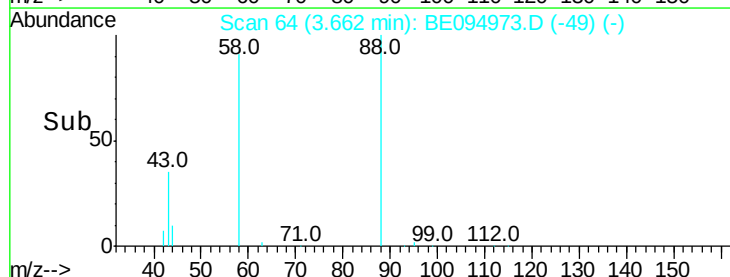
43 37.2 41.2 61.8#

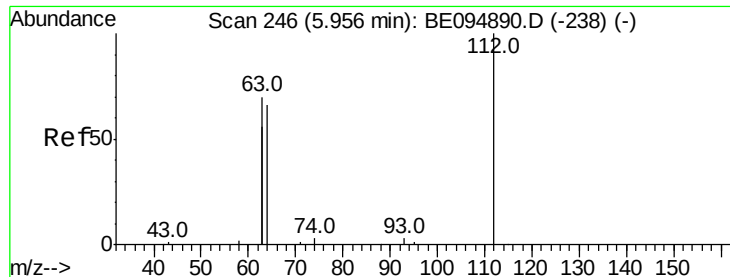


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.066 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

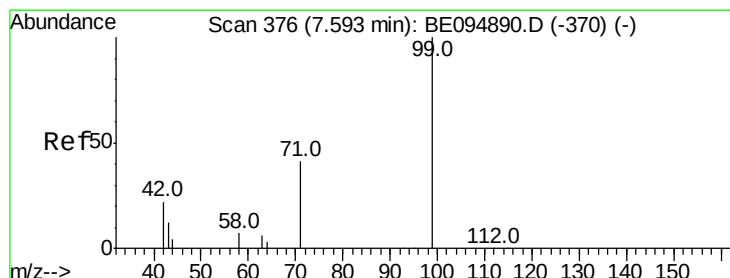
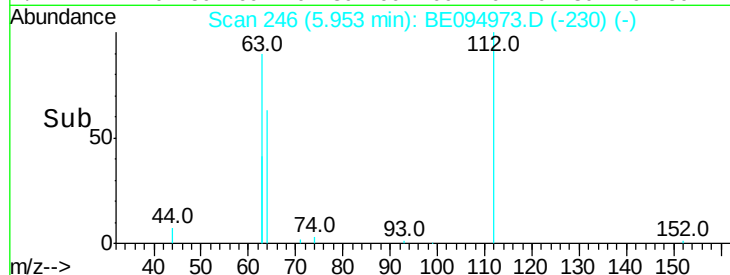
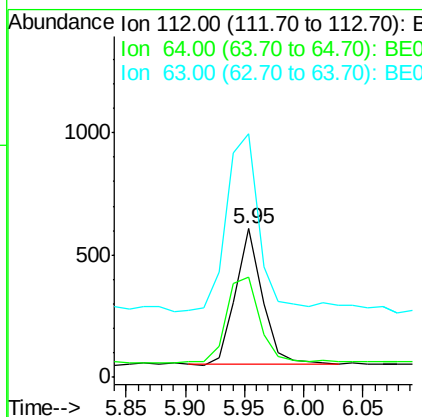
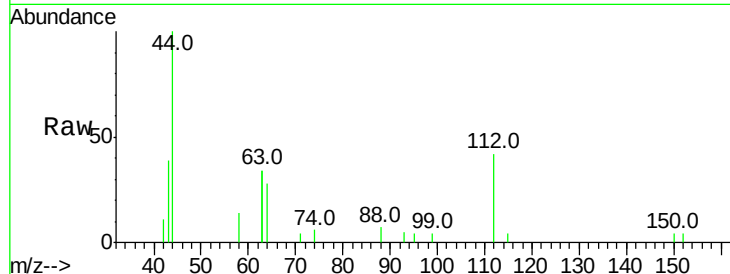
ClientSampleId :

FT-PZ-460I-20171204DL

Tot Ion:	112	Resp:	883
Ion Ratio	Lower	Upper	
112	100		
64	77.8	60.1	90.1
63	158.3	116.8	175.2

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#5

Phenol-d6

Concen: 0.049 ng

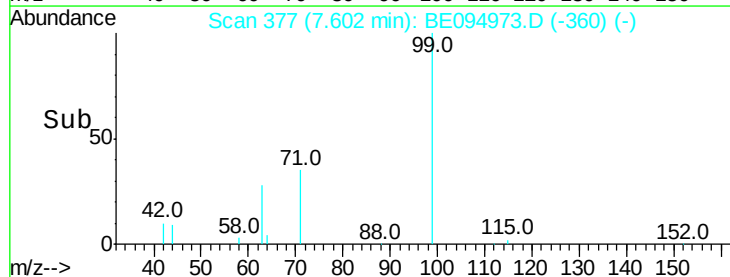
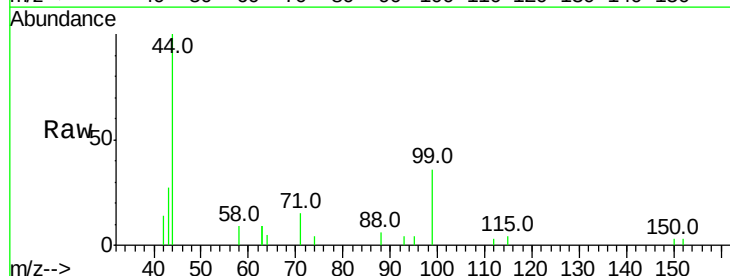
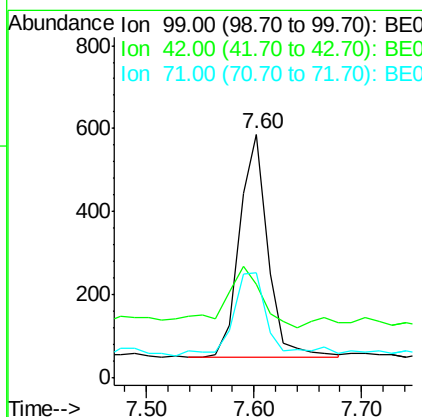
RT: 7.60 min Scan# 377

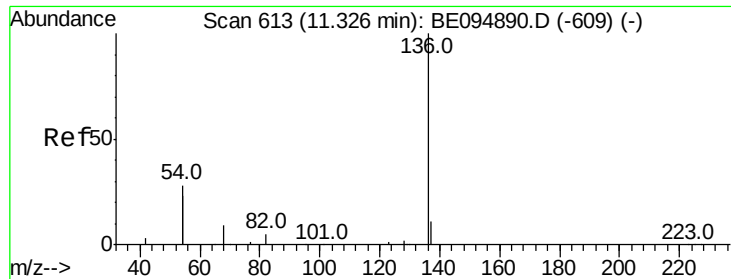
Delta R.T. 0.01 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Tgt Ion:	99	Resp:	975
Ion Ratio	Lower	Upper	
99	100		
42	38.5	20.2	30.2#
71	45.8	28.4	42.6#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

ClientSampleId :

FT-PZ-460I-20171204DL

Tot Ion: 136 Resp: 17708

Ion Ratio Lower Upper

136 100

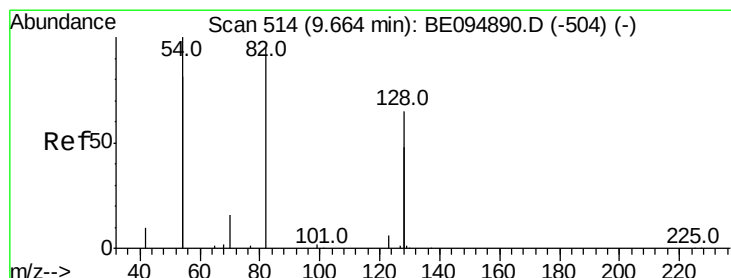
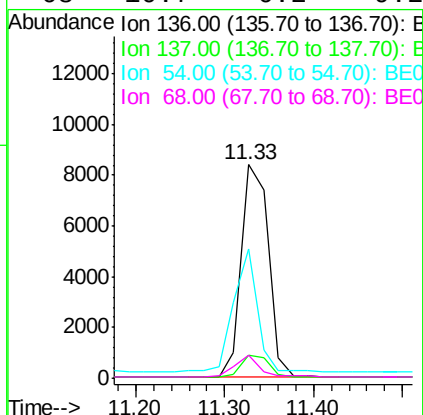
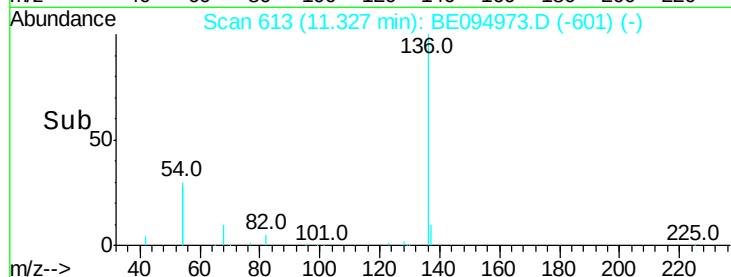
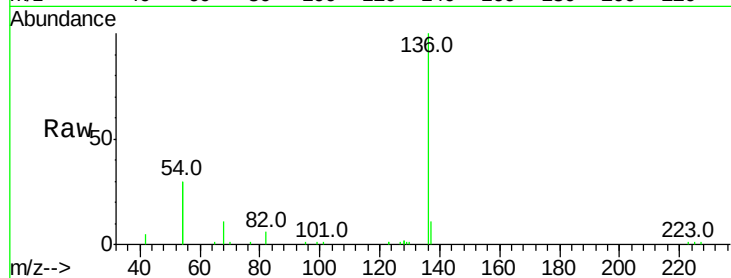
137 11.0 9.5 14.3

54 60.3 29.1 43.7#

68 10.7 6.2 9.2#

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#8

Nitrobenzene-d5

Concen: 0.248 ng

RT: 9.66 min Scan# 514

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

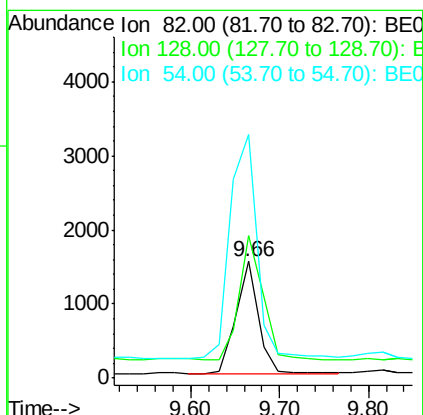
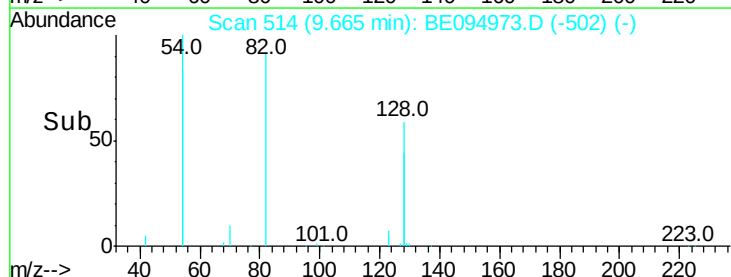
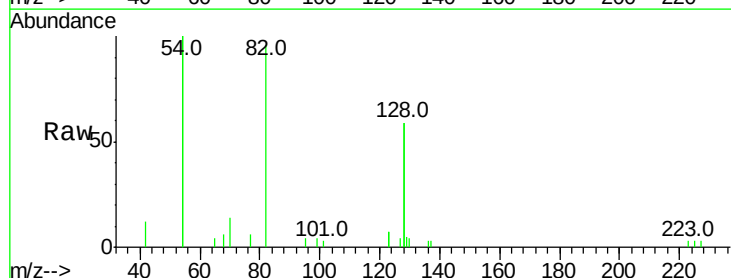
Tgt Ion: 82 Resp: 2605

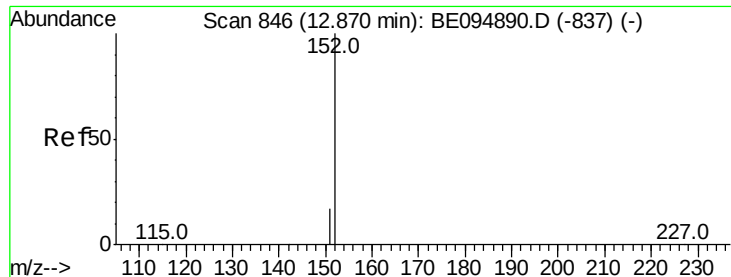
Ion Ratio Lower Upper

82 100

128 122.8 150.0 225.0#

54 209.0 154.2 231.4





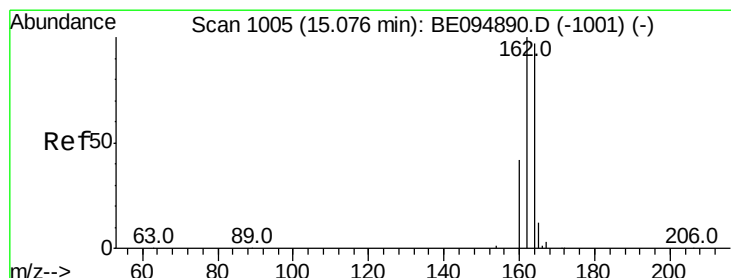
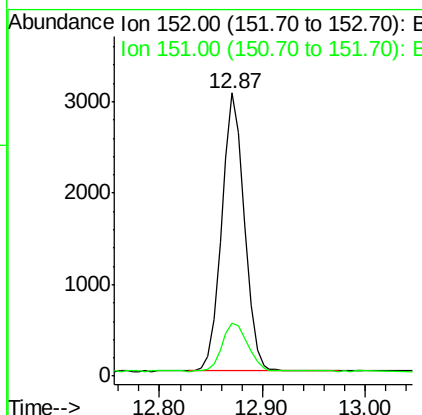
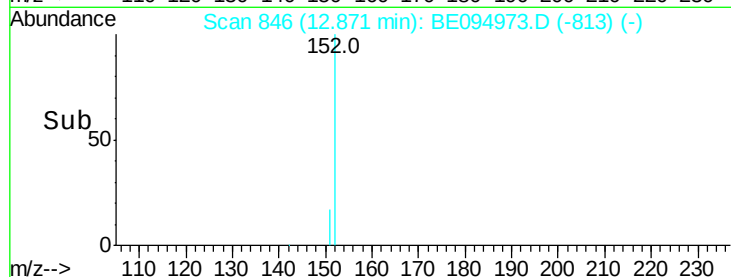
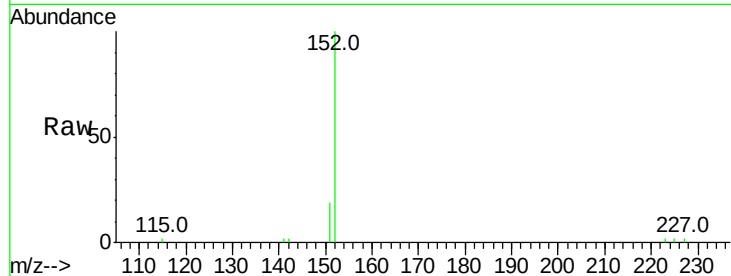
#11
2-Methylnaphthalene-d10
Concen: 0.165 ng
RT: 12.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: BE094973.D
Acq: 11 Dec 2017 14:38

Instrument :
BNA_E
ClientSampleId :
FT-PZ-460I-20171204DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.0

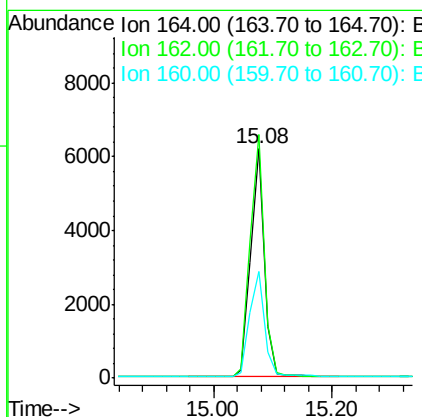
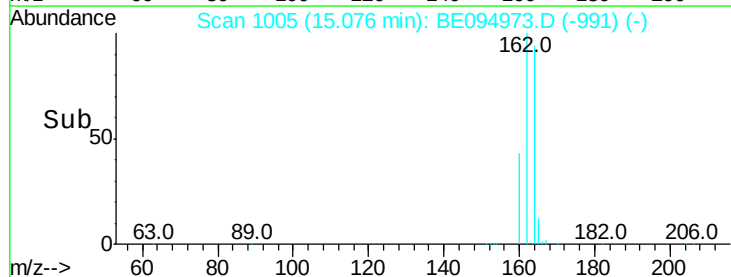
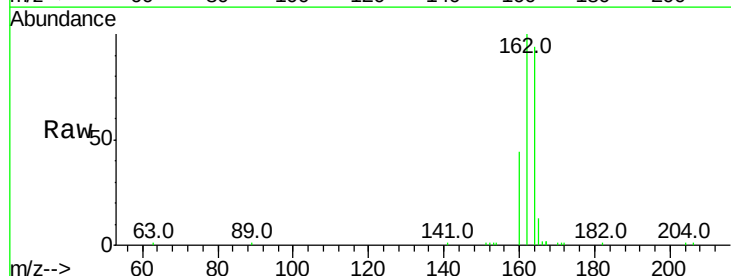
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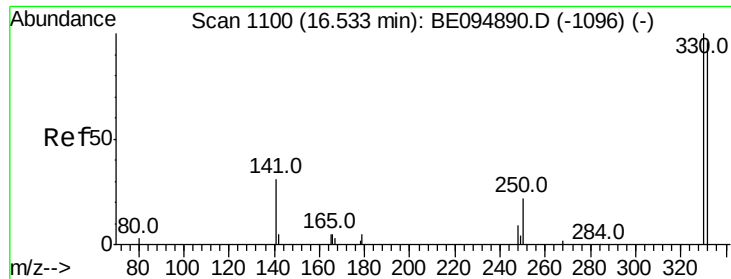
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.08 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BE094973.D
Acq: 11 Dec 2017 14:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	83.1	124.7
160	46.5	37.1	55.7





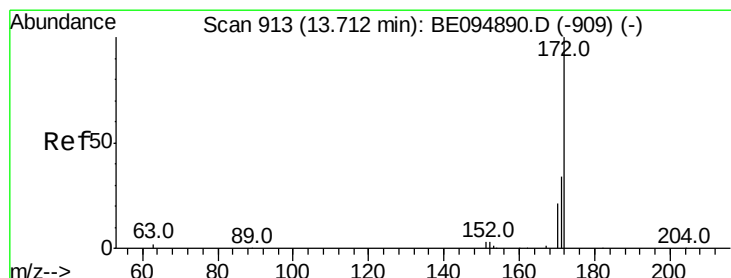
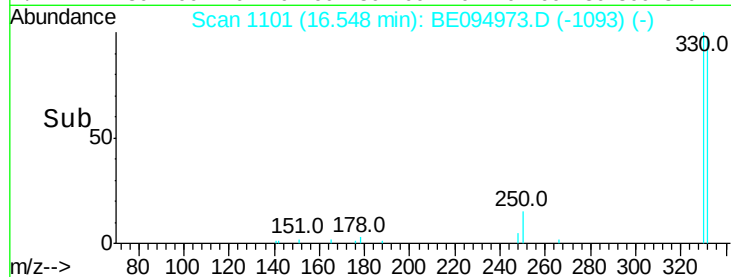
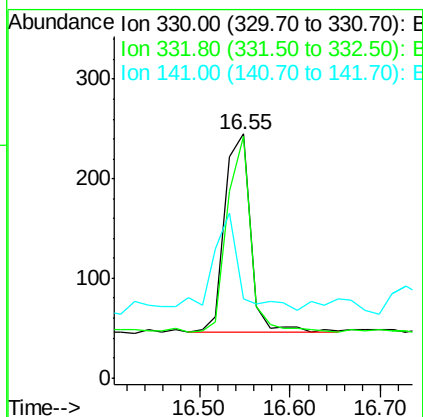
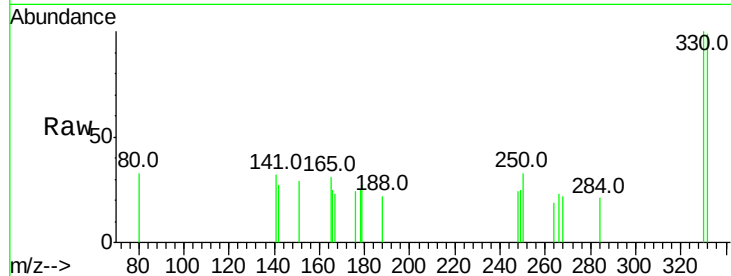
#14
 2,4,6-Tribromophenol
 Concen: 0.258 ng
 RT: 16.55 min Scan# 1101
 Delta R.T. 0.02 min
 Lab File: BE094973.D
 Acq: 11 Dec 2017 14:38

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-460I-20171204DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	91.3	152.7	229.1#
141	49.2	33.7	50.5

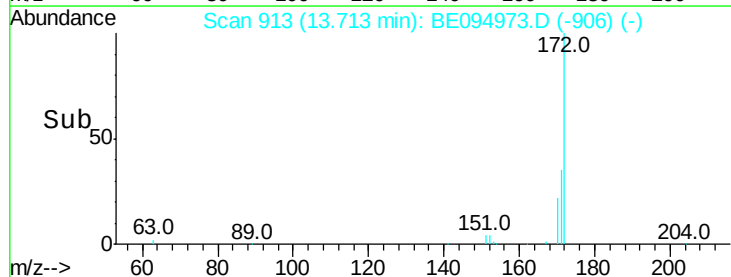
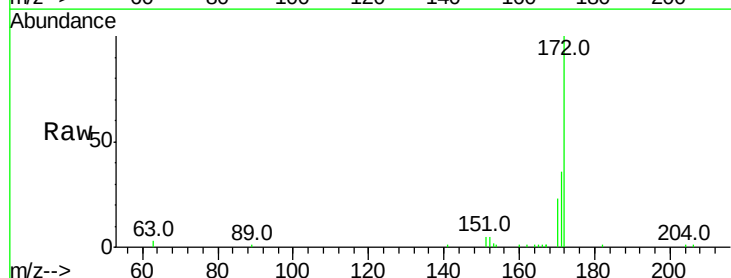
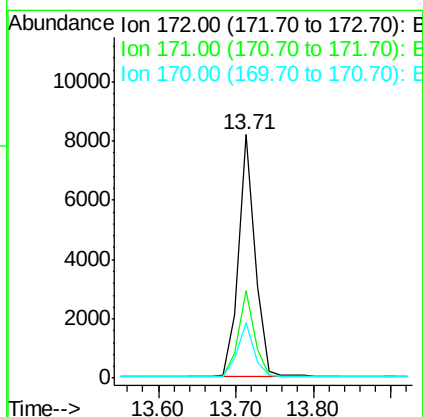
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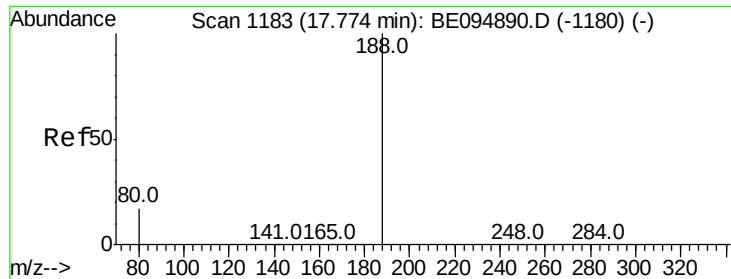
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#15
 2-Fluorobiphenyl
 Concen: 0.293 ng
 RT: 13.71 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: BE094973.D
 Acq: 11 Dec 2017 14:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.9	44.9
170	22.9	21.8	32.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.79 min Scan# 1184

Delta R.T. 0.02 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

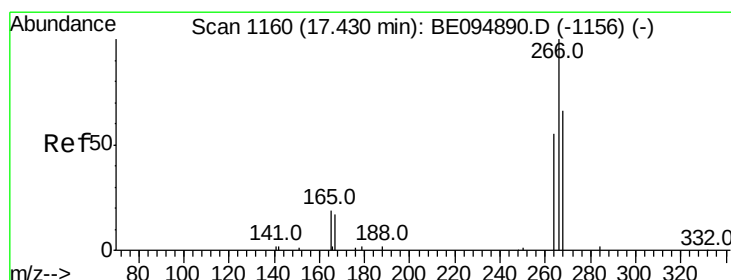
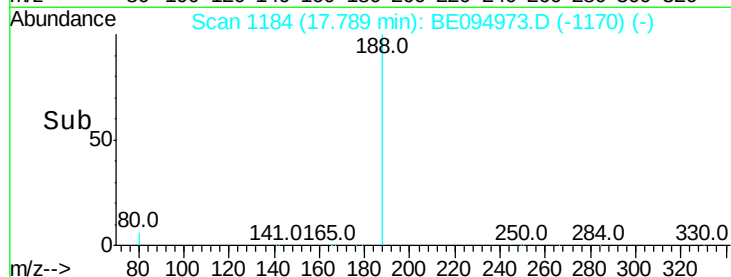
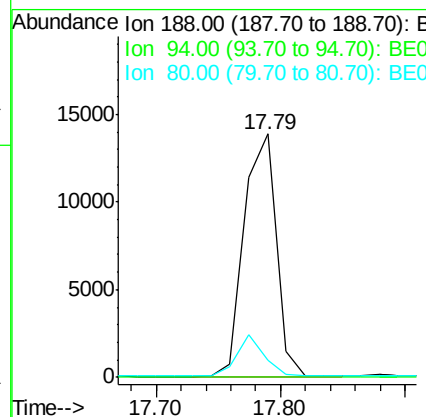
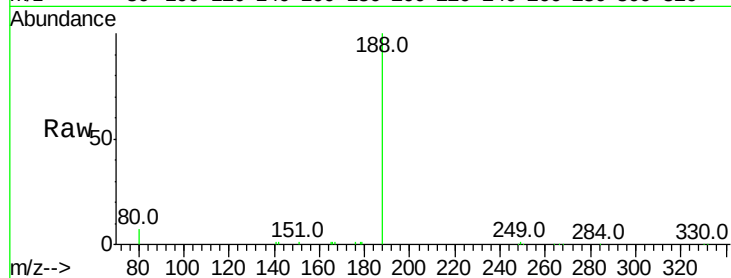
ClientSampleId :

FT-PZ-460I-20171204DL

Tot Ion:	188	Resp:	24723
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	6.9	3.6	5.4#

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#22

Pentachlorophenol

Concen: 0.165 ng

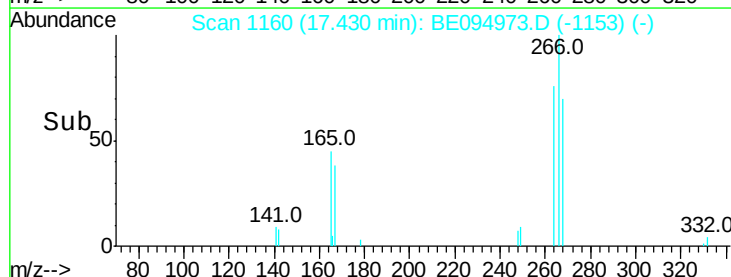
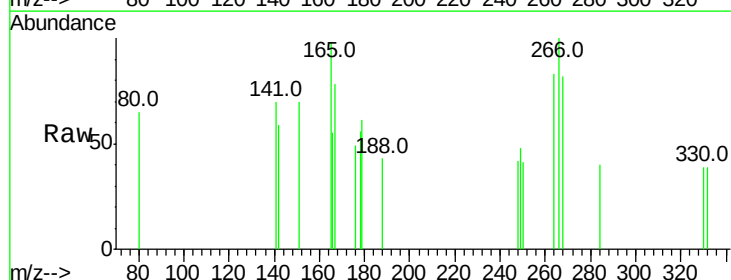
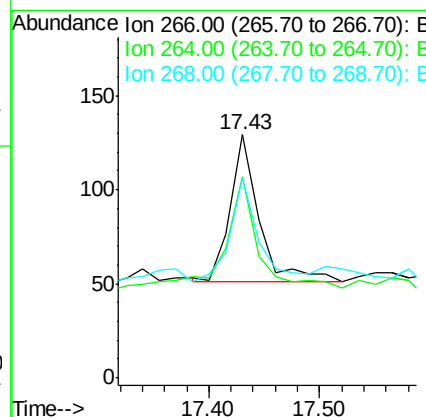
RT: 17.43 min Scan# 1160

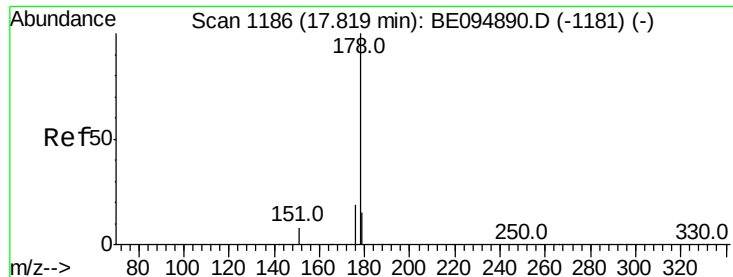
Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Tgt Ion:	266	Resp:	141
Ion Ratio	Lower	Upper	
266	100		
264	82.9	72.5	108.7
268	82.2	73.8	110.6





#23

Phenanthrene

Concen: 0.033 ng

RT: 17.82 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

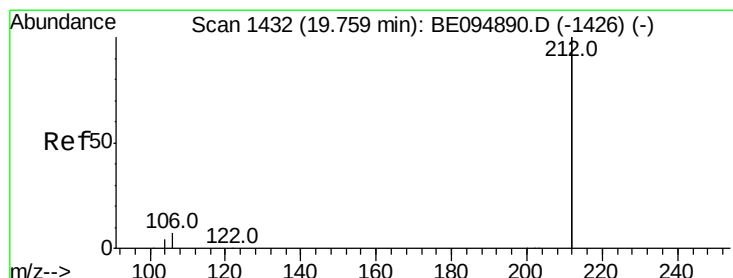
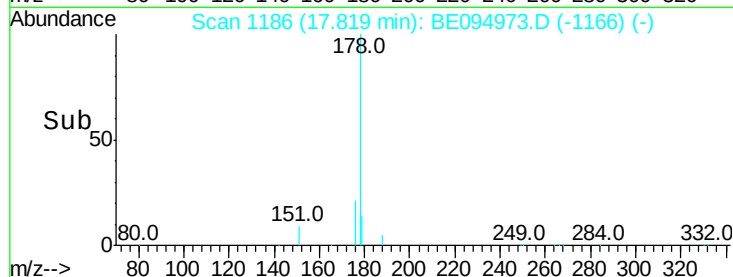
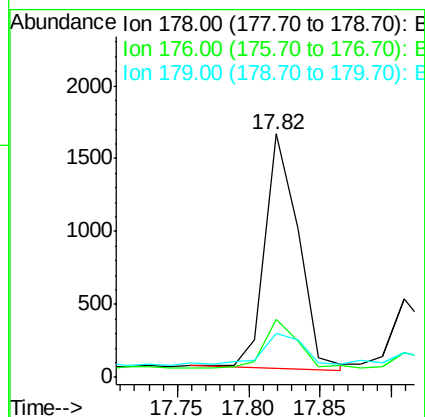
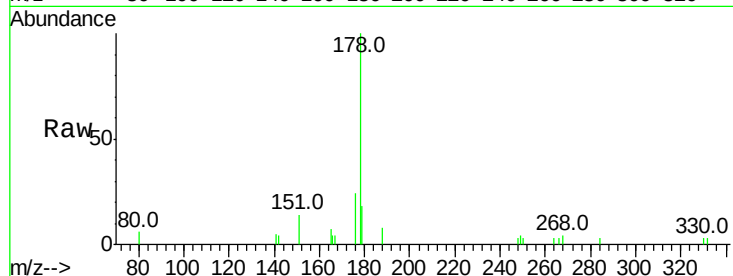
ClientSampleId :

FT-PZ-460I-20171204DL

Tot Ion:	178	Resp:	2604
Ion Ratio	Lower	Upper	
178	100		
176	23.7	15.1	22.7#
179	15.7	11.8	17.6

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#25

Fluoranthene-d10

Concen: 0.154 ng

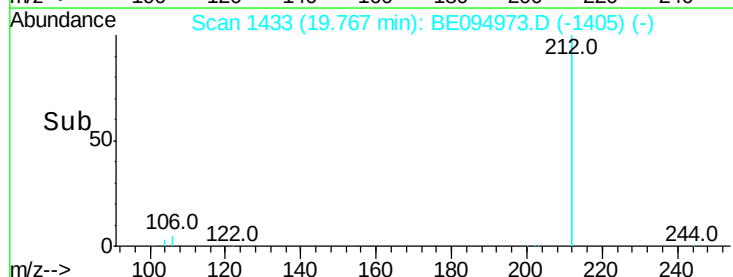
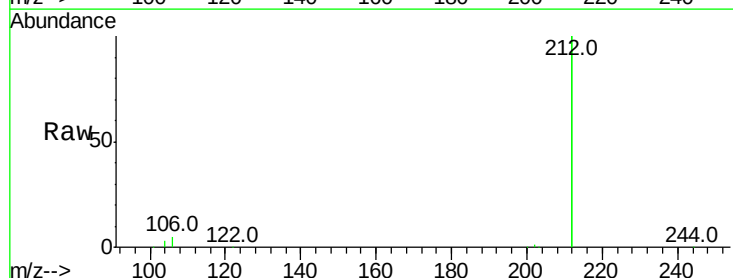
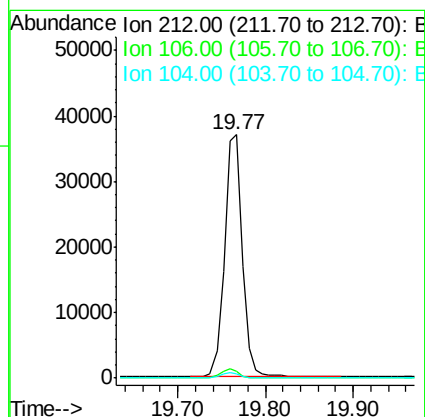
RT: 19.77 min Scan# 1433

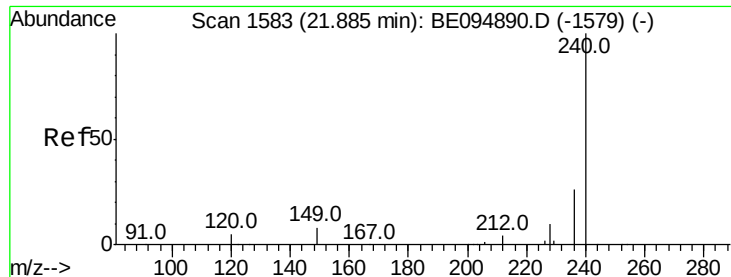
Delta R.T. 0.01 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Tgt Ion:	212	Resp:	51867
Ion Ratio	Lower	Upper	
212	100		
106	3.4	2.8	4.2
104	2.1	1.6	2.4





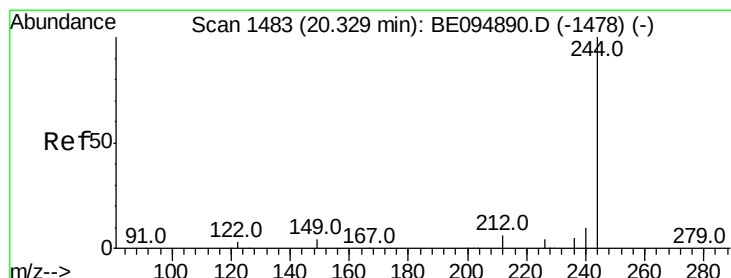
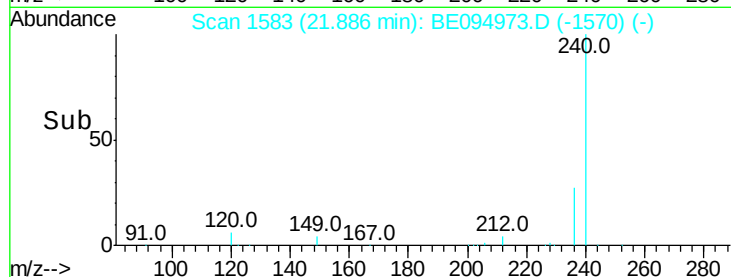
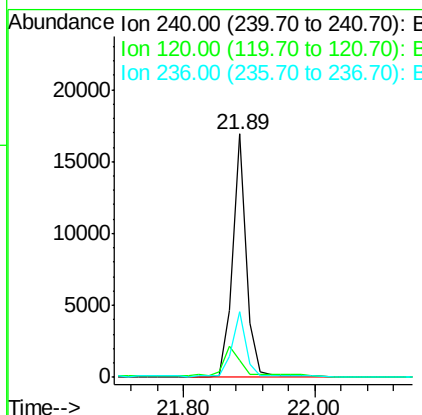
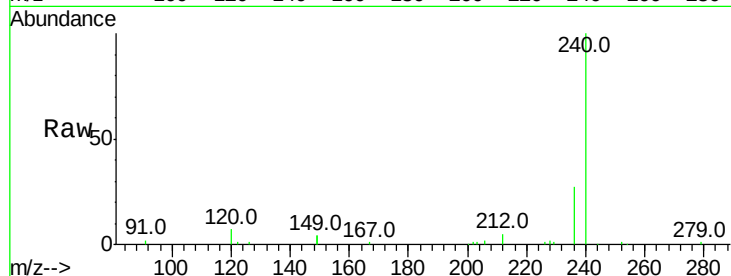
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.89 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BE094973.D
 Acq: 11 Dec 2017 14:38

Instrument :
 BNA_E
 ClientSampleId :
 FT-PZ-460I-20171204DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.8	5.5	8.3
236	26.9	20.7	31.1

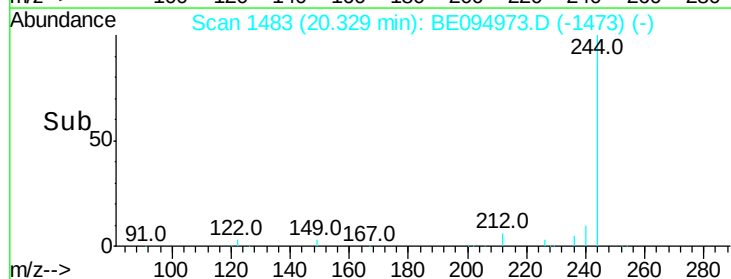
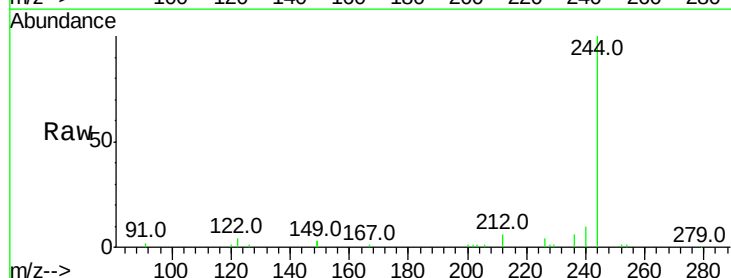
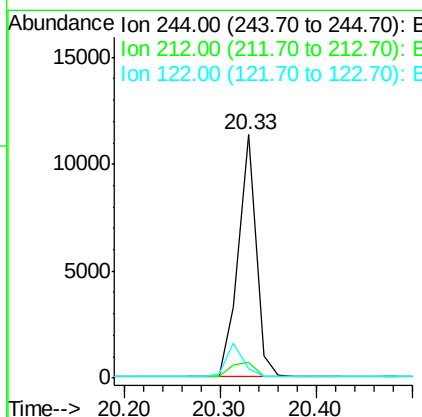
Manual Integrations
 APPROVED

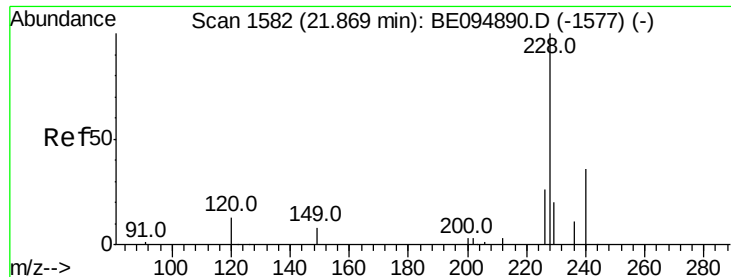
Sohil
 12/11/2017 6:24:10 PM



#29
 Terphenyl-d14
 Concen: 0.305 ng
 RT: 20.33 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: BE094973.D
 Acq: 11 Dec 2017 14:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	25.4	38.0#
122	4.0	8.1	12.1#





#30

Benzo(a)anthracene

Concen: 0.027 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Instrument :

BNA_E

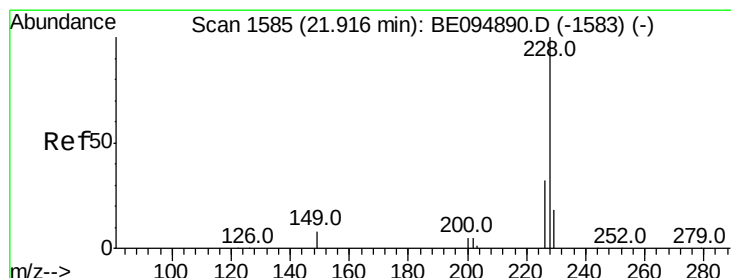
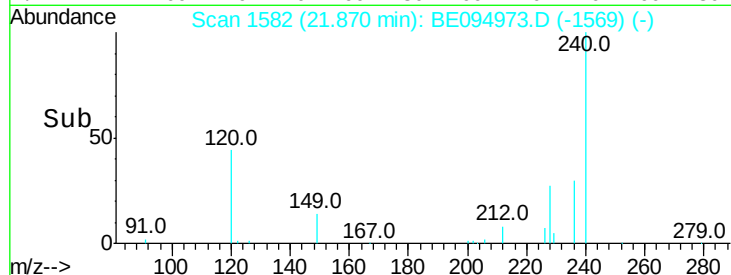
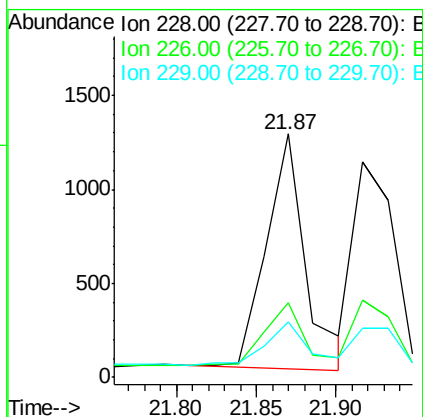
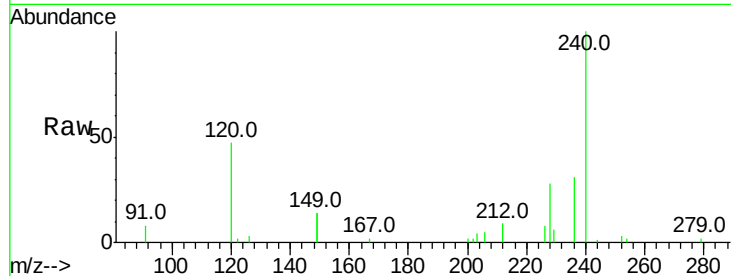
ClientSampleId :

FT-PZ-460I-20171204DL

Tot Ion:	228	Resp:	2154
Ion Ratio	Lower	Upper	
228	100		
226	30.5	40.0	60.0#
229	22.9	40.0	60.0#

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#31

Chrysene

Concen: 0.022 ng m

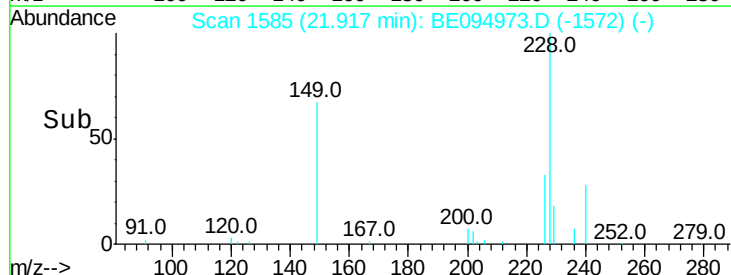
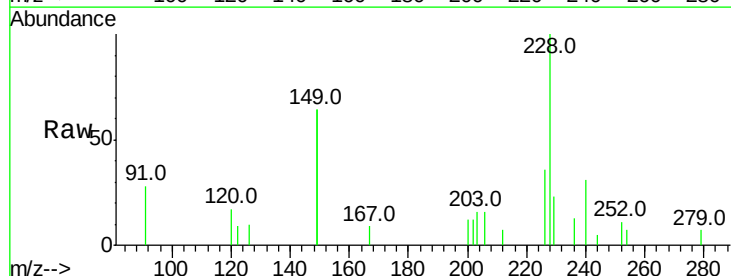
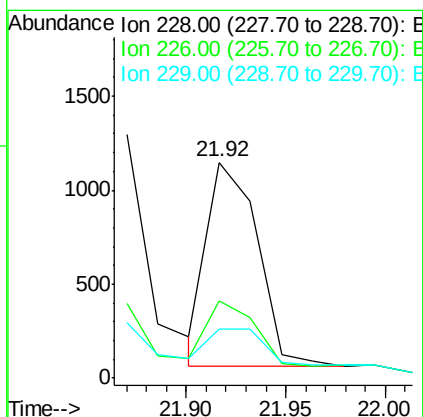
RT: 21.92 min Scan# 1585

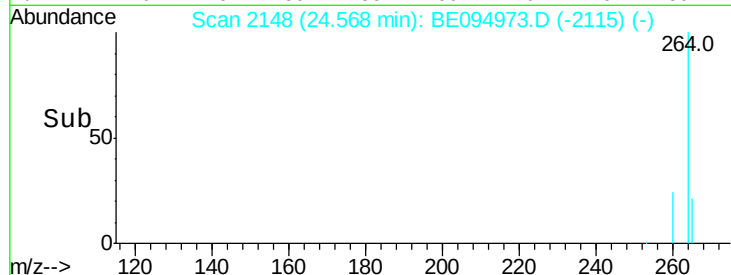
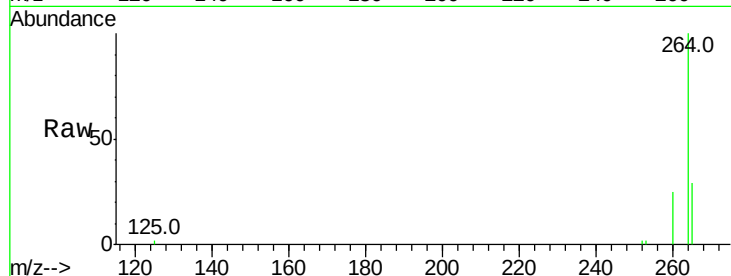
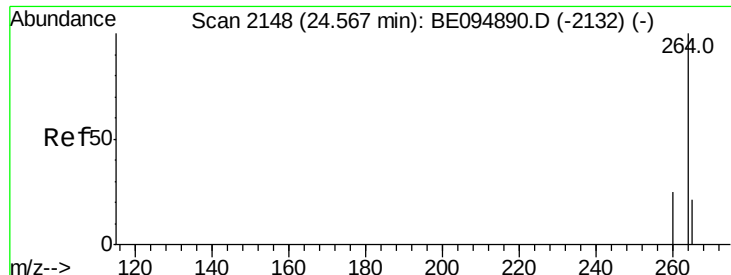
Delta R.T. 0.00 min

Lab File: BE094973.D

Acq: 11 Dec 2017 14:38

Tgt Ion:	228	Resp:	1916
Ion Ratio	Lower	Upper	
228	100		
226	35.8	40.0	60.0#
229	23.0	40.0	60.0#





#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.57 min Scan# 2148
Delta R.T. 0.00 min
Lab File: BE094973.D
Acq: 11 Dec 2017 14:38

Instrument :
BNA_E
ClientSampleId :
FT-PZ-460I-20171204DL

Tot Ion:	264	Resp:	21365
Ion Ratio	Lower	Upper	
264	100		
260	24.8	20.5	30.7
265	29.2	22.8	34.2

Manual Integrations
APPROVED

Sohil
12/11/2017 6:24:10 PM

