

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052616\
 Data File : BF087440.D
 Acq On : 27 May 2016 11:20
 Operator : UM/SJ
 Sample : H3211-07
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TA-1315-(0-4)

Manual Integrations
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Quant Time: May 27 12:55:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	105996	20.00	ng	-0.01
21) Naphthalene-d8	9.54	136	419975	20.00	ng	-0.01
38) Acenaphthene-d10	12.37	164	177177	20.00	ng	-0.02
63) Phenanthrene-d10	14.77	188	284294	20.00	ng	-0.01
75) Chrysene-d12	18.47	240	229980	20.00	ng	-0.01
86) Perylene-d12	20.14	264	226471	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	747477	123.91	ng	0.00
7) Phenol-d6	7.06	99	1016019	124.65	ng	-0.01
23) Nitrobenzene-d5	8.42	82	684336	82.12	ng	-0.02
41) 2,4,6-Tribromophenol	13.66	330	163552	96.06	ng	-0.02
44) 2-Fluorobiphenyl	11.31	172	861107	68.52	ng	-0.02
78) Terphenyl-d14	17.12	244	497750	46.01	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	12.14	152	71845	3.98	ng	98
49) Dimethylphthalate	12.01	163	146942	10.35	ng	100
70) Phenanthrene	14.81	178	66965	4.25	ng	99
71) Anthracene	14.90	178	70005	4.40	ng	98
74) Fluoranthene	16.57	202	347710	22.02	ng	92
77) Pyrene	16.87	202	330658	19.97	ng	97
80) Benzo(a)anthracene	18.46	228	188297m	14.39	ng	
82) Chrysene	18.50	228	217785m	16.77	ng	
85) Indeno(1,2,3-cd)pyrene	21.38	276	109320	10.50	ng	# 89
87) Benzo(b)fluoranthene	19.74	252	324870m	22.52	ng	
88) Benzo(k)fluoranthene	19.76	252	120774m	9.73	ng	
89) Benzo(a)pyrene	20.08	252	171996m	13.79	ng	
90) Dibenzo(a,h)anthracene	21.38	278	38217	3.59	ng	94
91) Benzo(g,h,i)perylene	21.74	276	88809	8.46	ng	# 89

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

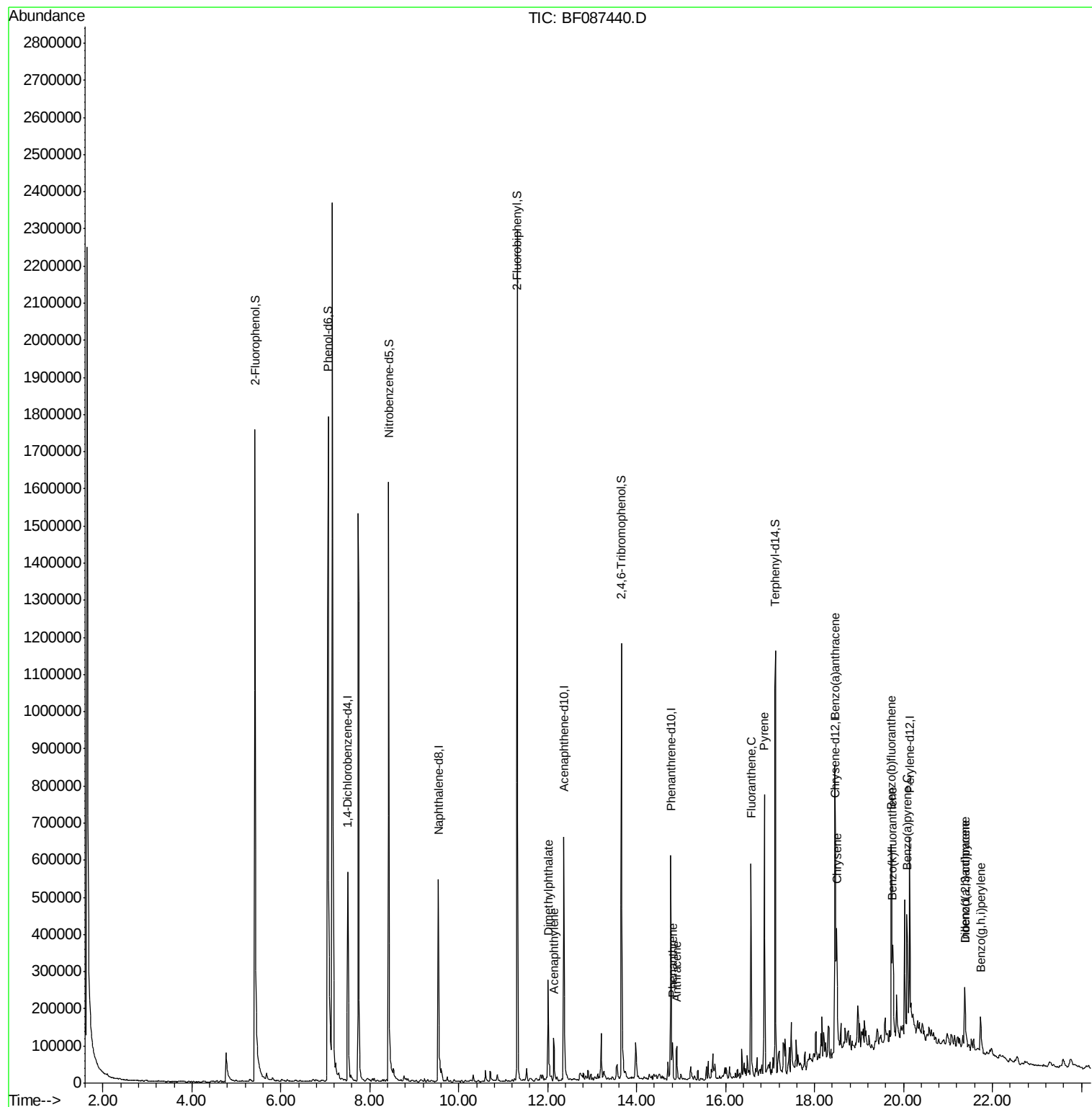
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052616\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.51 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF087440.D

Acq: 27 May 2016 11:20

Instrument :

BNA_F

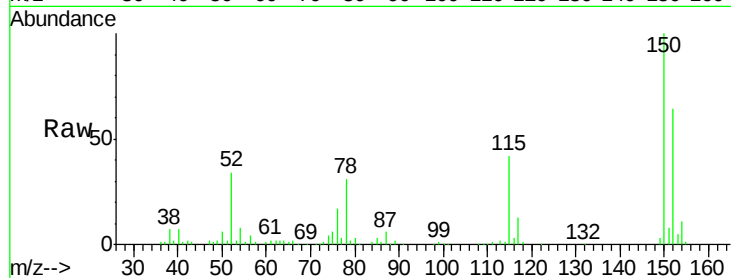
ClientSampleId :

TA-1315-(0-4)

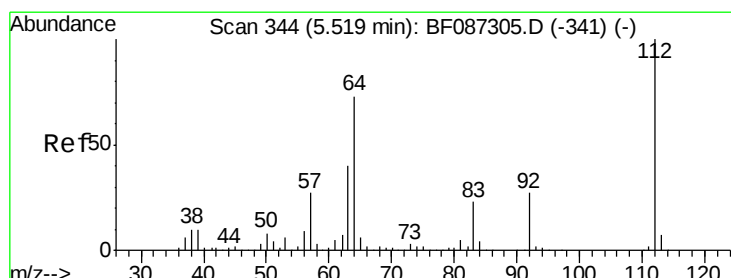
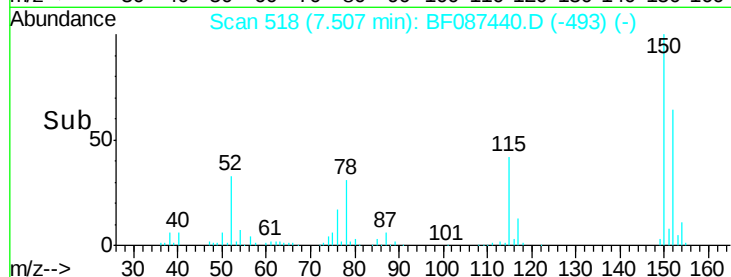
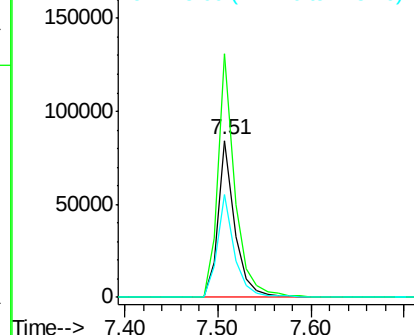
Tgt Ion:	152	Resp:	105996
Ion Ratio	Lower	Upper	
152	100		
150	155.3	125.8	188.6
115	65.2	51.5	77.3

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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: 123.91 ng

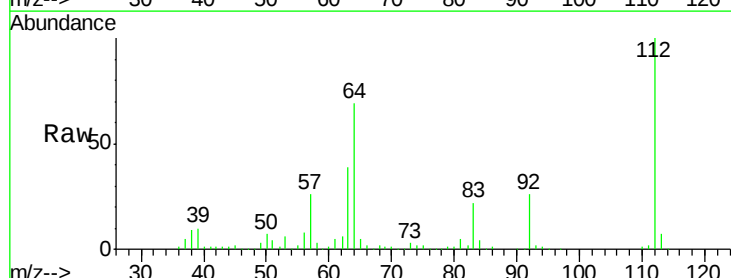
RT: 5.42 min Scan# 335

Delta R.T. 0.00 min

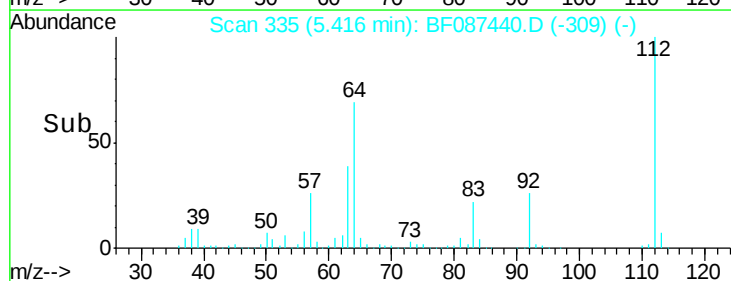
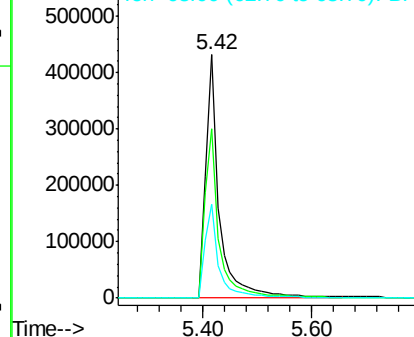
Lab File: BF087440.D

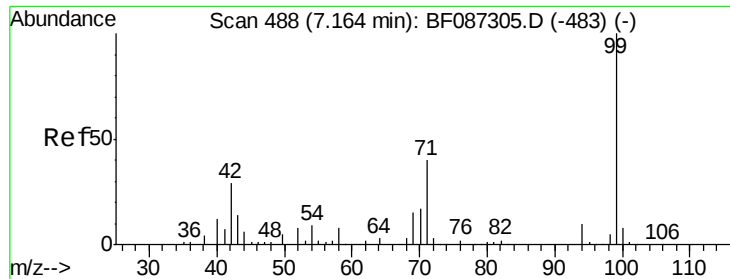
Acq: 27 May 2016 11:20

Tgt Ion:	112	Resp:	747477
Ion Ratio	Lower	Upper	
112	100		
64	69.4	52.1	78.1
63	38.6	25.7	38.5



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: 124.65 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.01 min

Lab File: BF087440.D

Acq: 27 May 2016 11:20

Instrument :

BNA_F

ClientSampleId :

TA-1315-(0-4)

Tgt Ion: 99 Resp: 1016019

Ion Ratio Lower Upper

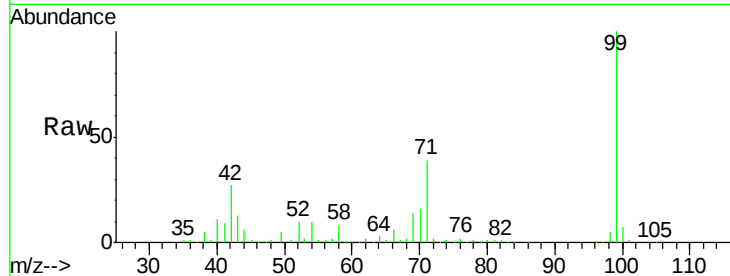
99 100

42 27.4 13.6 20.4#

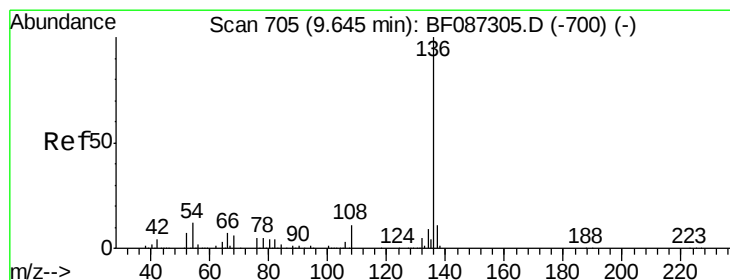
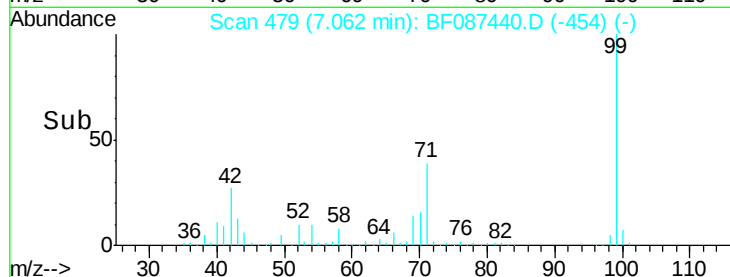
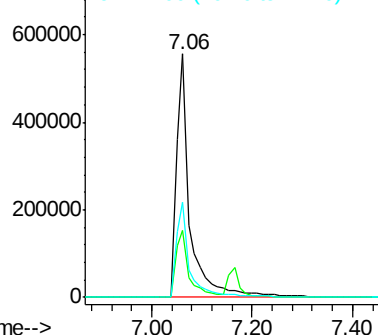
71 38.8 24.6 36.8#

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF087440.D

Acq: 27 May 2016 11:20

Tgt Ion: 136 Resp: 419975

Ion Ratio Lower Upper

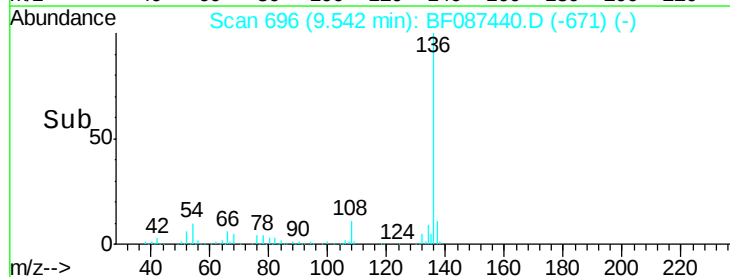
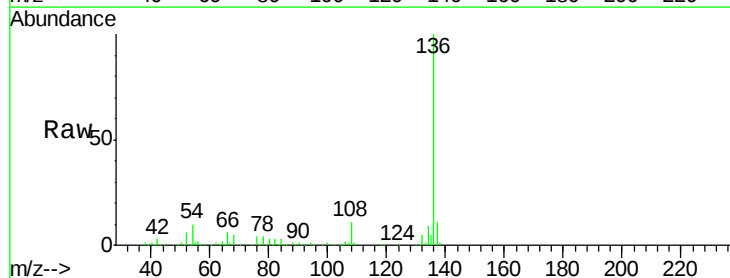
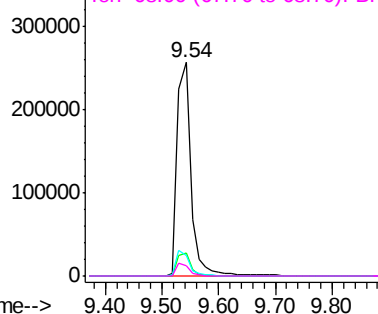
136 100

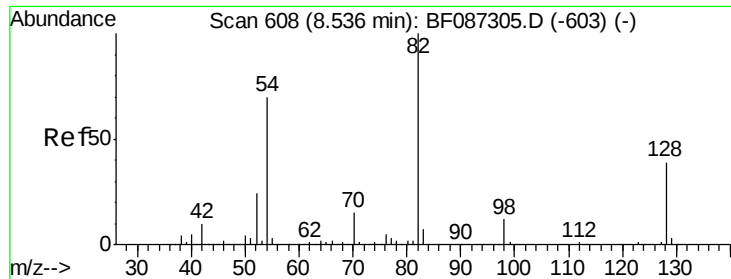
137 10.6 8.8 13.2

54 9.6 5.0 7.4#

68 4.9 4.4 6.6

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





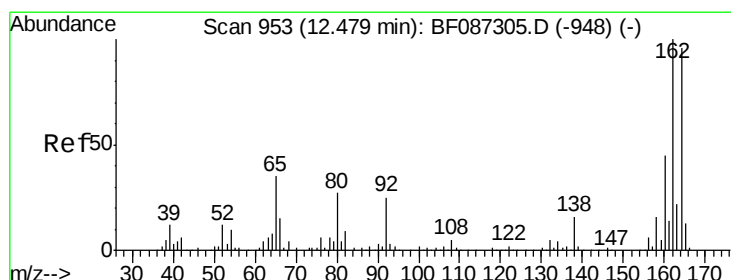
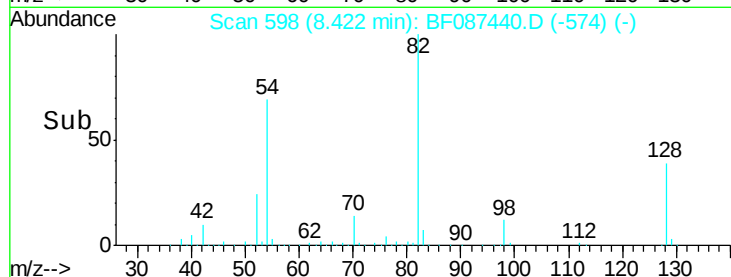
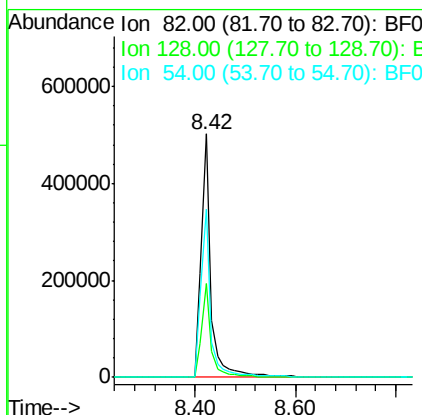
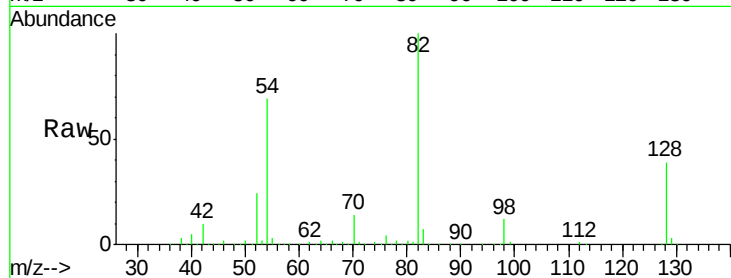
#23
 Nitrobenzene-d5
 Concen: 82.12 ng
 RT: 8.42 min Scan# 598
 Delta R.T. -0.02 min
 Lab File: BF087440.D
 Acq: 27 May 2016 11:20

Instrument :
 BNA_F
 ClientSampleId :
 TA-1315-(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	38.5	40.6	61.0#
54	69.2	38.1	57.1#

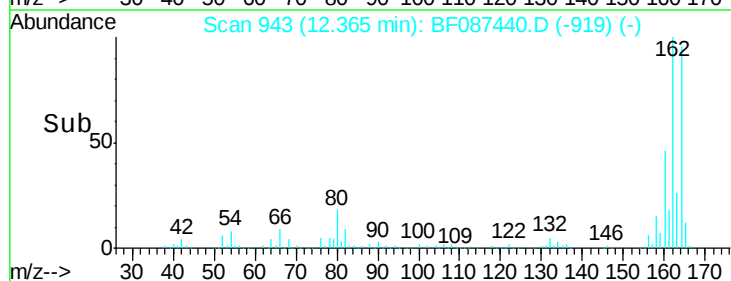
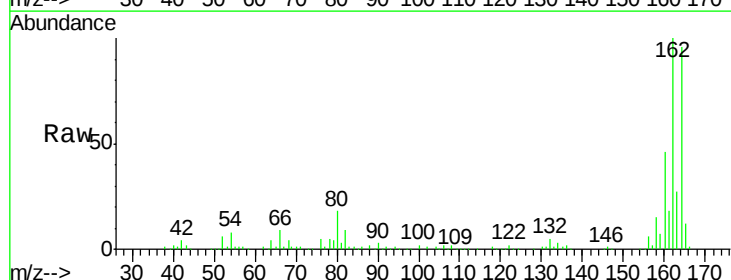
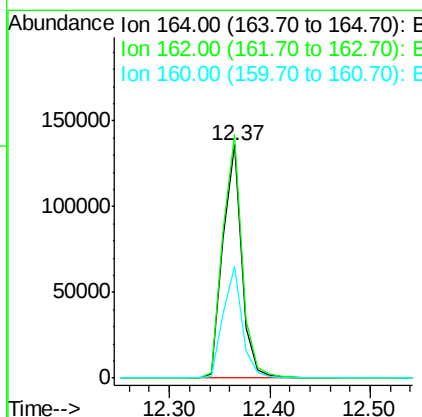
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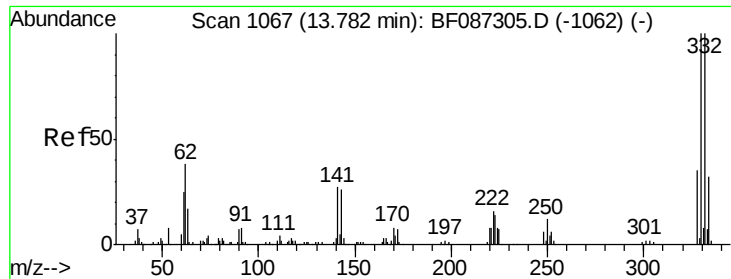
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.37 min Scan# 943
 Delta R.T. -0.02 min
 Lab File: BF087440.D
 Acq: 27 May 2016 11:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	104.5	82.8	124.2
160	47.7	36.9	55.3





#41

2,4,6-Tribromophenol

Concen: 96.06 ng

RT: 13.66 min Scan# 1056

Delta R.T. -0.02 min

Lab File: BF087440.D

Acq: 27 May 2016 11:20

Instrument :

BNA_F

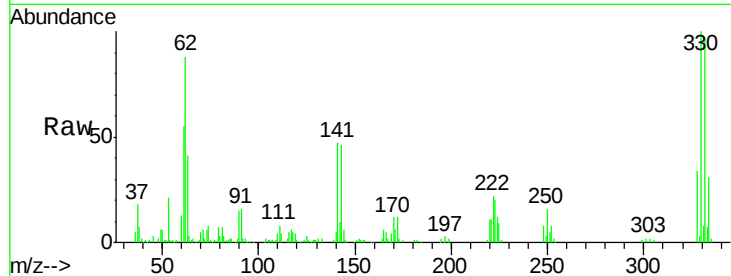
ClientSampleId :

TA-1315-(0-4)

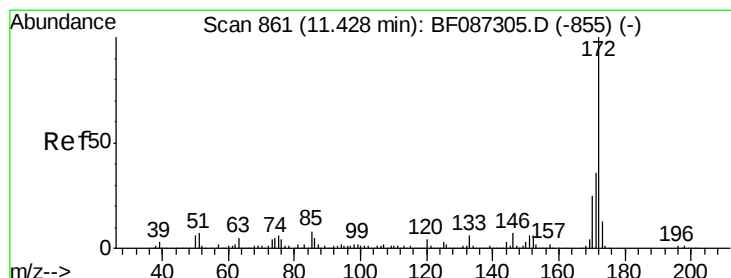
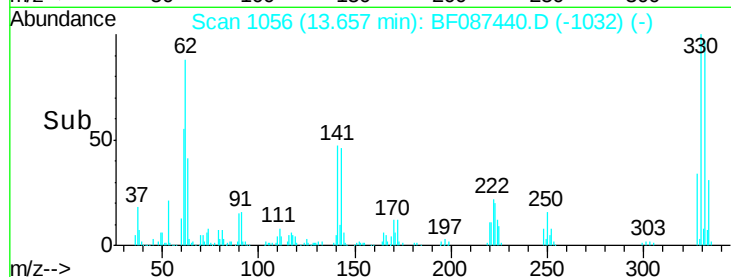
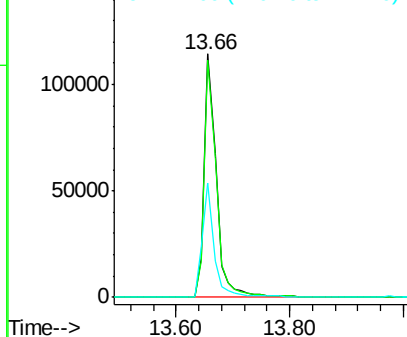
Tgt Ion:	330	Resp:	163552
Ion Ratio	Lower	Upper	
330	100		
332	97.5	79.0	118.4
141	47.2	31.2	46.8#

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 68.52 ng

RT: 11.31 min Scan# 851

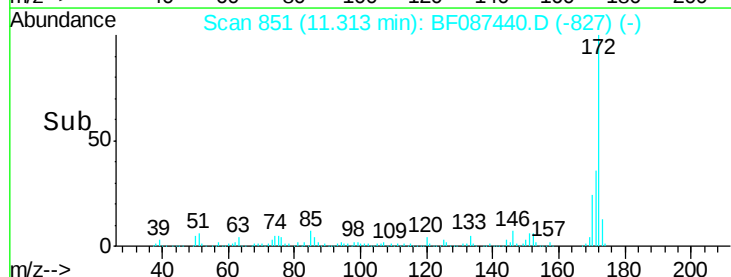
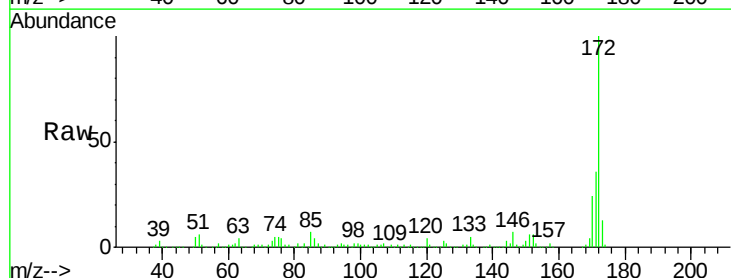
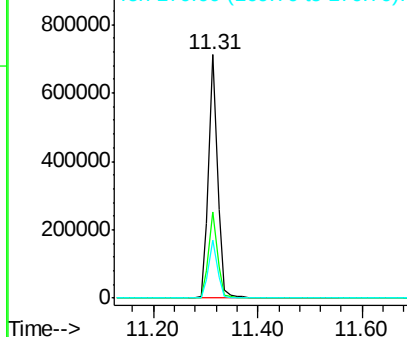
Delta R.T. -0.02 min

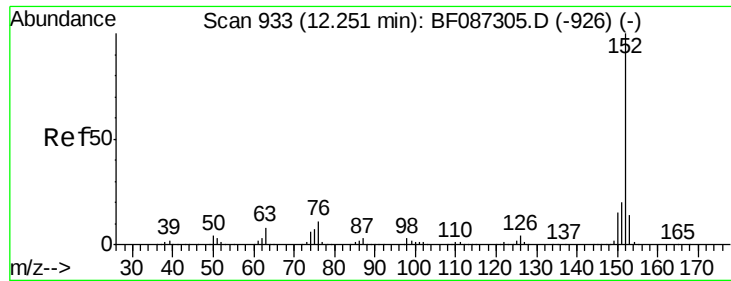
Lab File: BF087440.D

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Tgt Ion:	172	Resp:	861107
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.0	43.6
170	23.9	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 3.98 ng

RT: 12.14 min Scan# 923

Delta R.T. -0.02 min

Lab File: BF087440.D

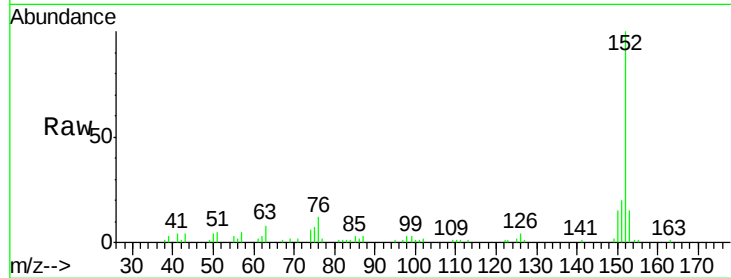
Acq: 27 May 2016 11:20

Instrument :

BNA_F

ClientSampleId :

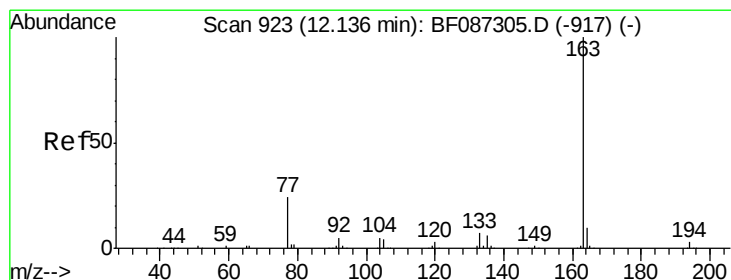
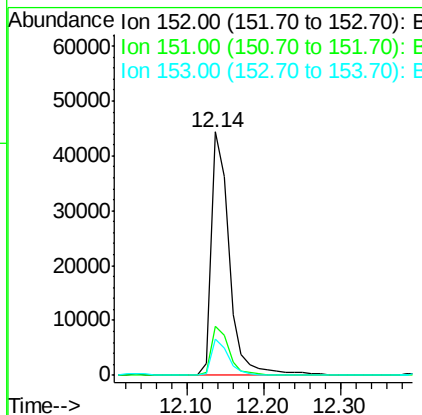
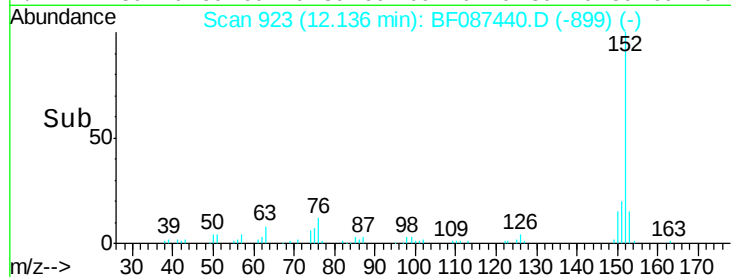
TA-1315-(0-4)



Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.8	25.2
153	14.8	10.9	16.3

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#49

Dimethylphthalate

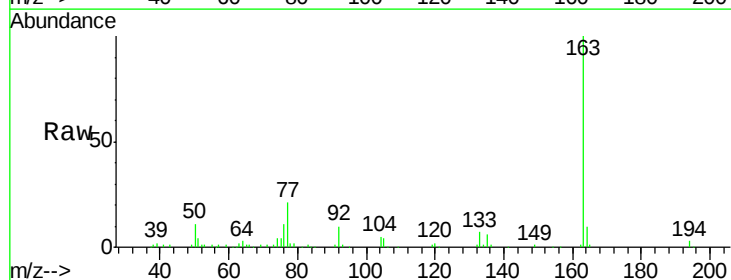
Concen: 10.35 ng

RT: 12.01 min Scan# 912

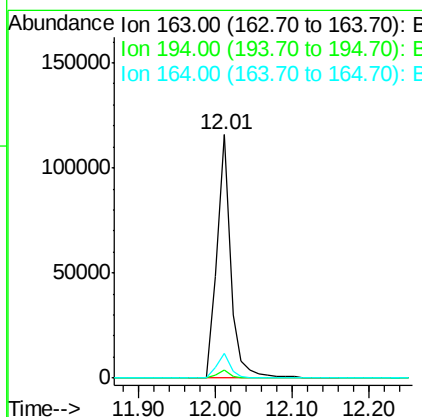
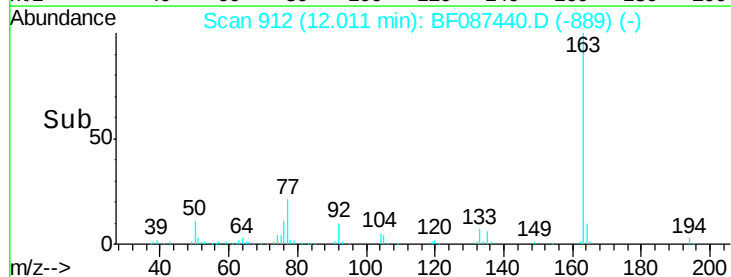
Delta R.T. -0.03 min

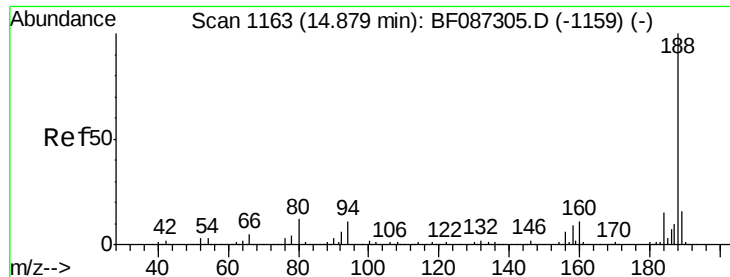
Lab File: BF087440.D

Acq: 27 May 2016 11:20



Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.2	8.2	12.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF087440.D

Acq: 27 May 2016 11:20

Instrument :

BNA_F

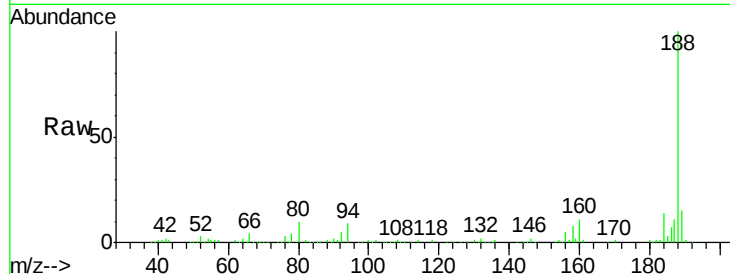
ClientSampleId :

TA-1315-(0-4)

Tgt Ion:	188	Resp:	284294
Ion Ratio	Lower	Upper	
188	100		
94	8.8	6.8	10.2
80	10.0	7.1	10.7

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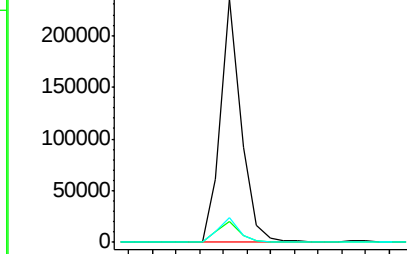


Abundance Ion 188.00 (187.70 to 188.70): E

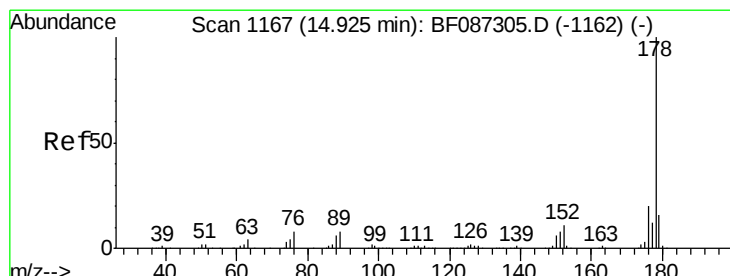
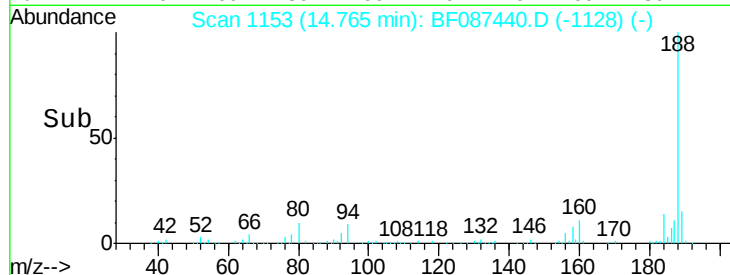
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

14.77



Time-->



#70

Phenanthrene

Concen: 4.25 ng

RT: 14.81 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF087440.D

Acq: 27 May 2016 11:20

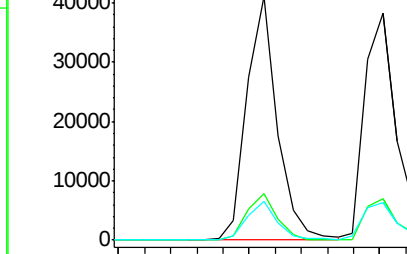
Tgt Ion:	178	Resp:	66965
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.0	24.0
179	15.8	12.6	18.8

Abundance Ion 178.00 (177.70 to 178.70): E

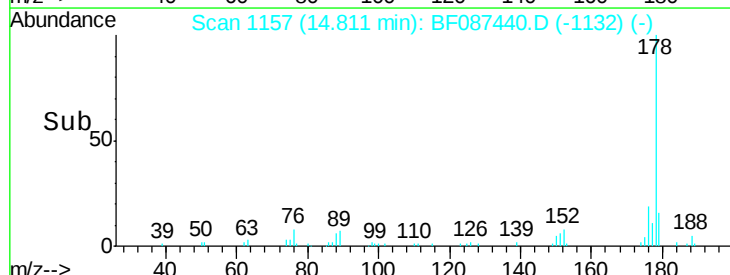
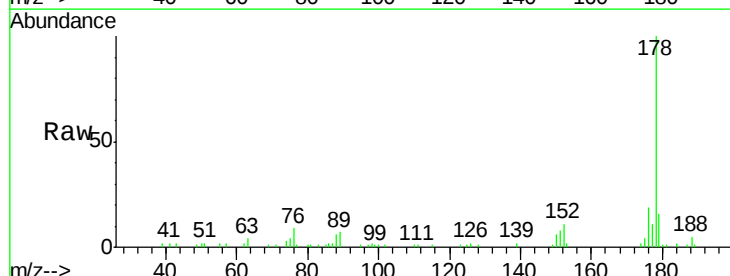
Ion 176.00 (175.70 to 176.70): E

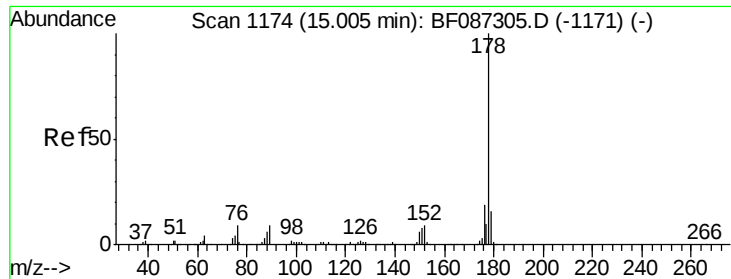
Ion 179.00 (178.70 to 179.70): E

14.81



Time-->





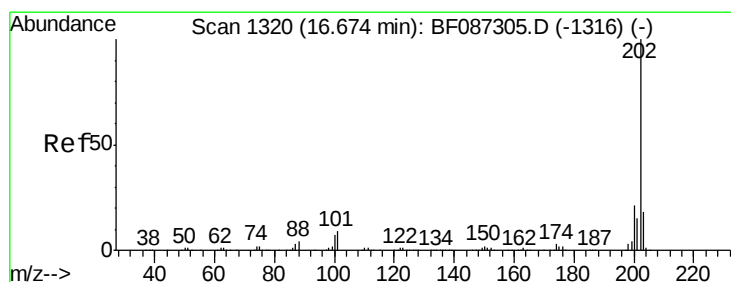
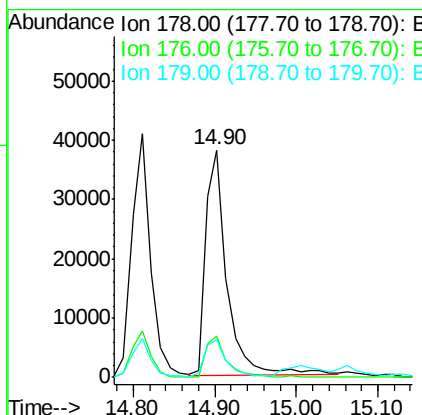
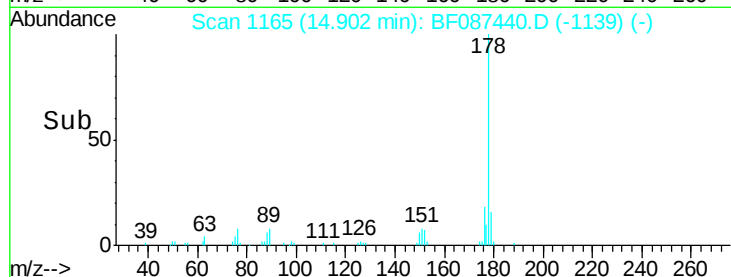
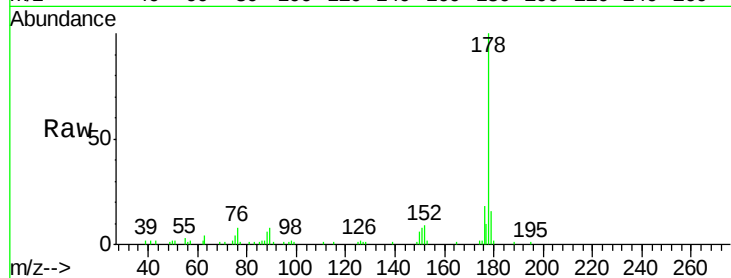
#71
 Anthracene
 Concen: 4.40 ng
 RT: 14.90 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: BF087440.D
 Acq: 27 May 2016 11:20

Instrument :
 BNA_F
 ClientSampleId :
 TA-1315-(0-4)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.6	23.4
179	16.4	12.7	19.1

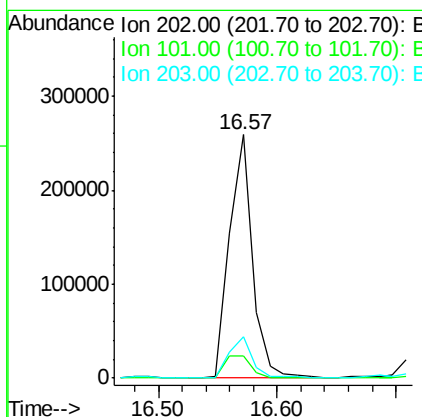
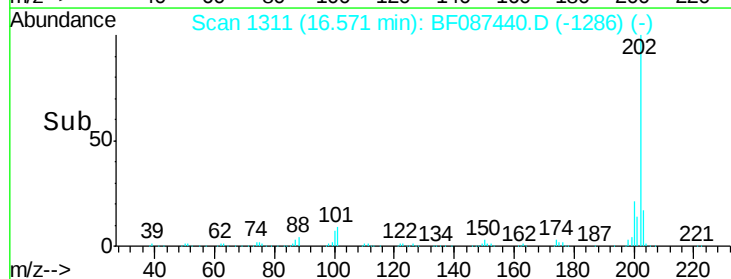
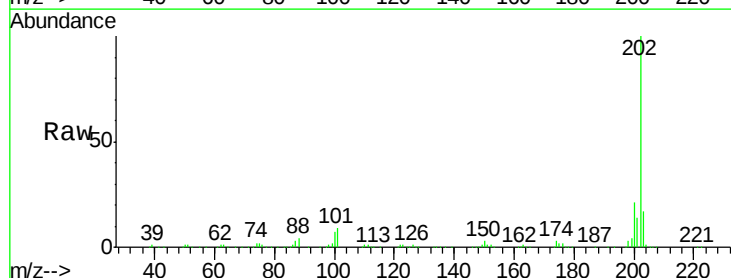
Manual Integrations
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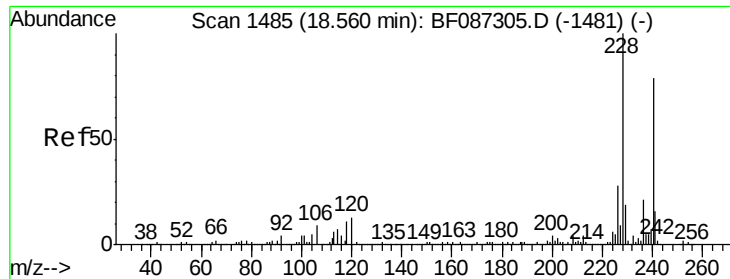
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#74
 Fluoranthene
 Concen: 22.02 ng
 RT: 16.57 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF087440.D
 Acq: 27 May 2016 11:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	35.4
203	17.1	0.0	38.1





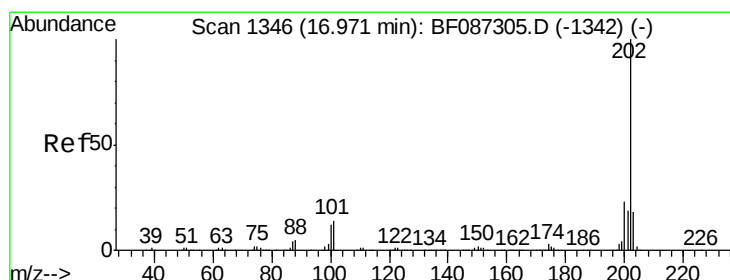
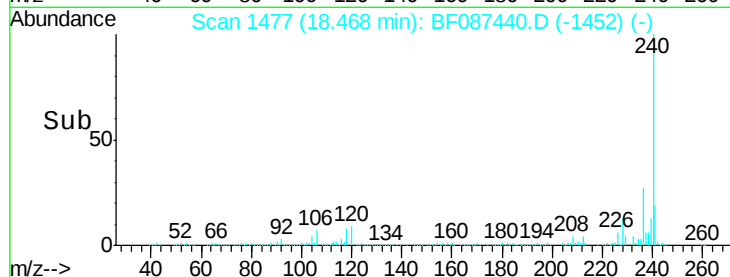
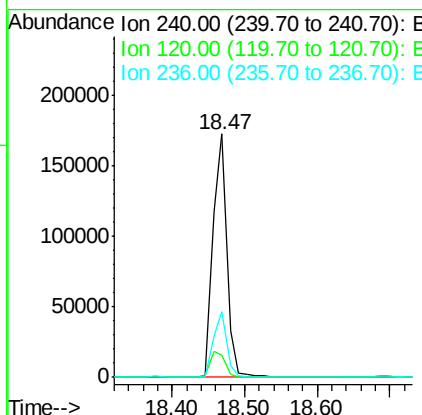
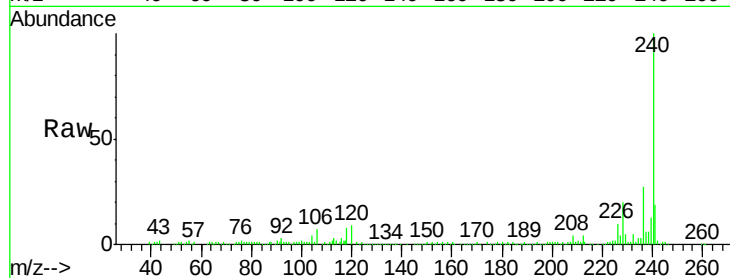
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.47 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF087440.D
Acq: 27 May 2016 11:20

Instrument :
BNA_F
ClientSampleId :
TA-1315-(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	229980		
120	9.1	11.2	16.8#	
236	27.0	21.2	31.8	

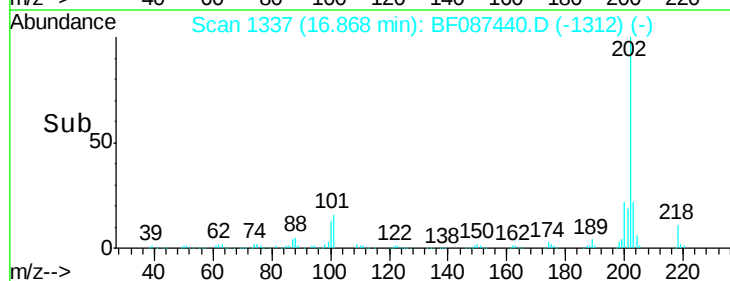
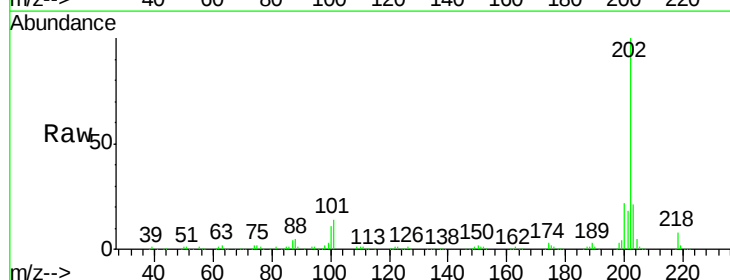
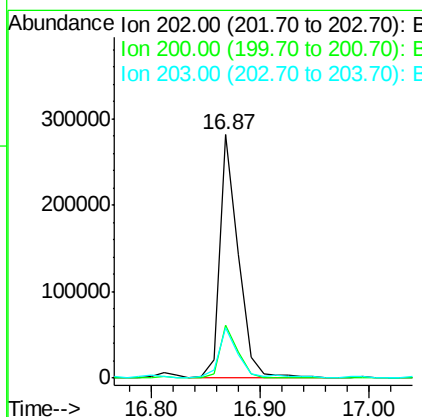
Manual Integrations
APPROVED

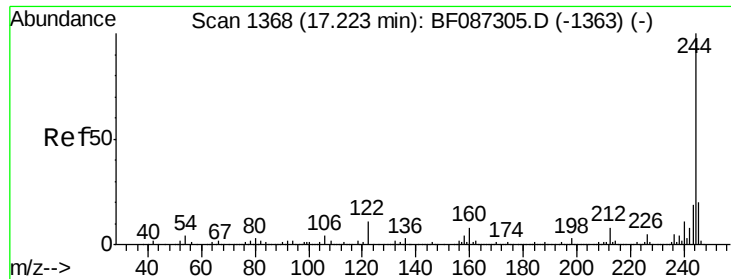
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#77
Pyrene
Concen: 19.97 ng
RT: 16.87 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF087440.D
Acq: 27 May 2016 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	330658		
200	22.0	17.7	26.5	
203	20.5	14.2	21.4	





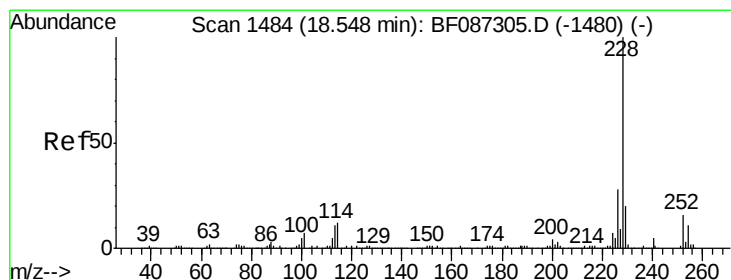
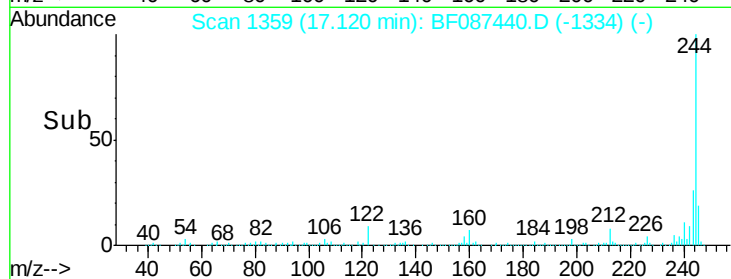
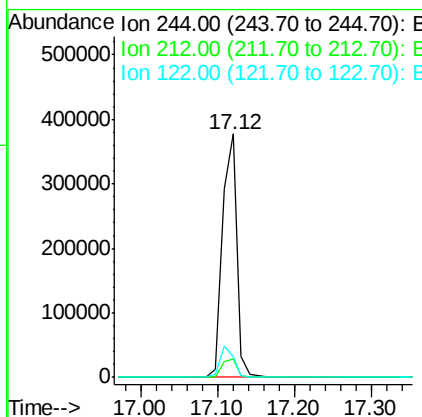
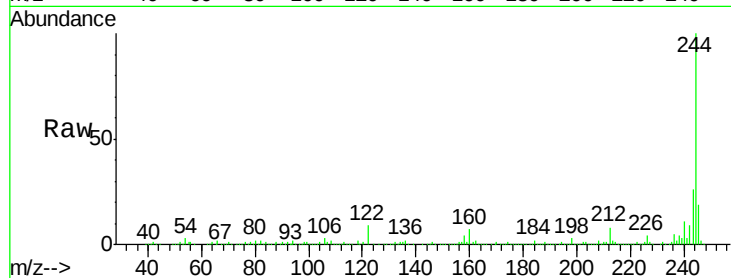
#78
 Terphenyl-d14
 Concen: 46.01 ng
 RT: 17.12 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: BF087440.D
 Acq: 27 May 2016 11:20

Instrument :
 BNA_F
 ClientSampleId :
 TA-1315-(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	497750		
212	7.5	6.2	9.2	
122	8.7	12.0	18.0	

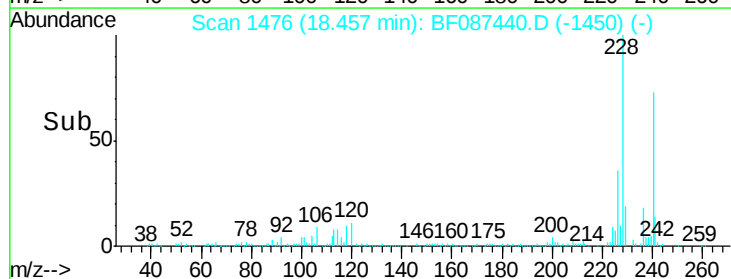
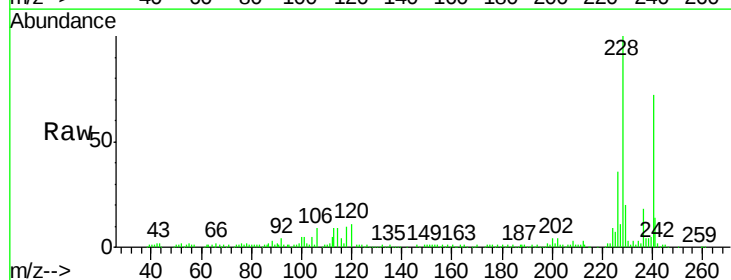
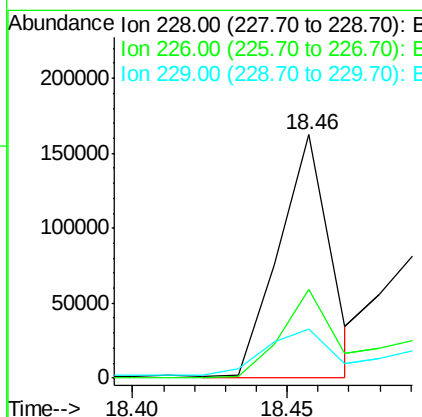
Manual Integrations
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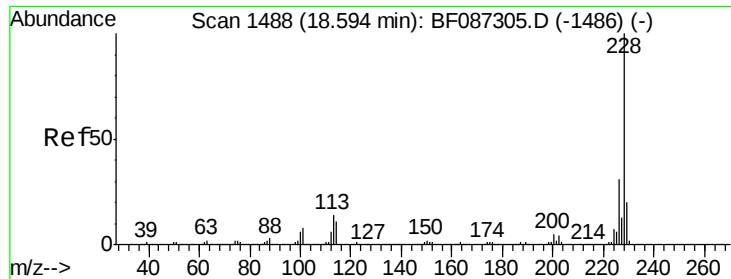
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#80
 Benzo(a)anthracene
 Concen: 14.39 ng m
 RT: 18.46 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: BF087440.D
 Acq: 27 May 2016 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	188297		
226	36.3	22.5	33.7	
229	20.3	16.6	25.0	





#82

Chrysene

Concen: 16.77 ng m

RT: 18.50 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF087440.D

Acq: 27 May 2016 11:20

Instrument :

BNA_F

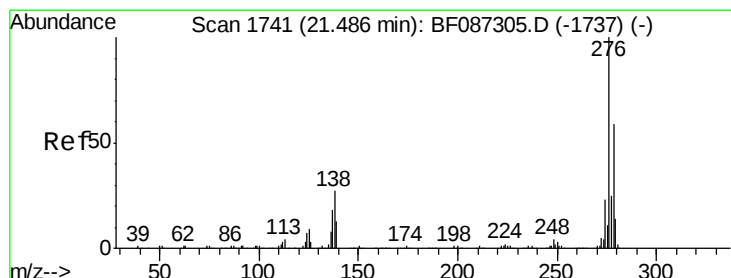
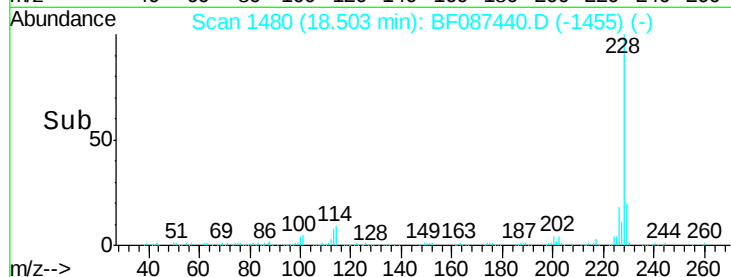
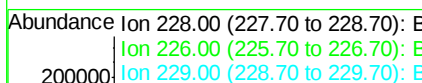
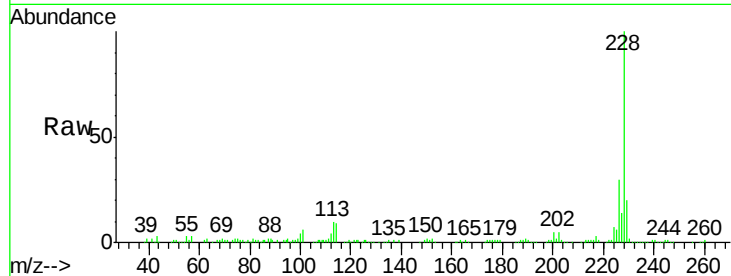
ClientSampleId :

TA-1315-(0-4)

Tgt Ion:	228	Resp:	217785
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.4	36.6
229	20.4	15.8	23.8

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.50 ng

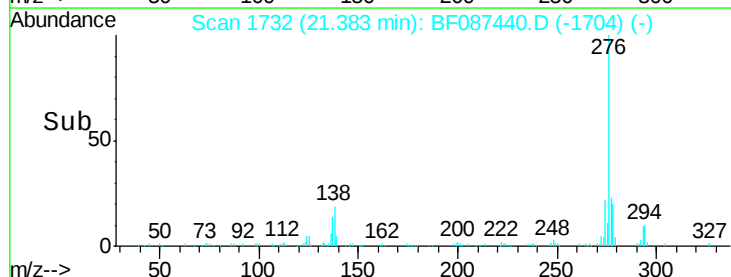
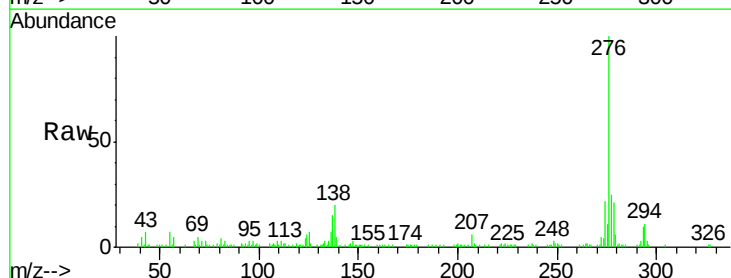
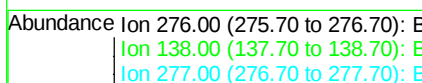
RT: 21.38 min Scan# 1732

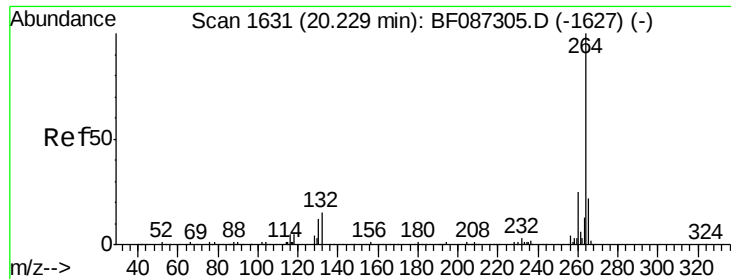
Delta R.T. 0.02 min

Lab File: BF087440.D

Acq: 27 May 2016 11:20

Tgt Ion:	276	Resp:	109320
Ion Ratio	Lower	Upper	
276	100		
138	22.7	25.6	38.4#
277	23.6	20.5	30.7





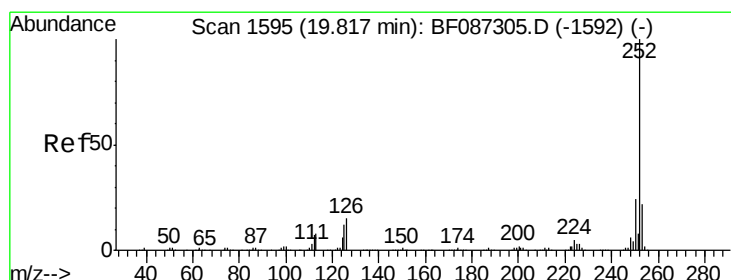
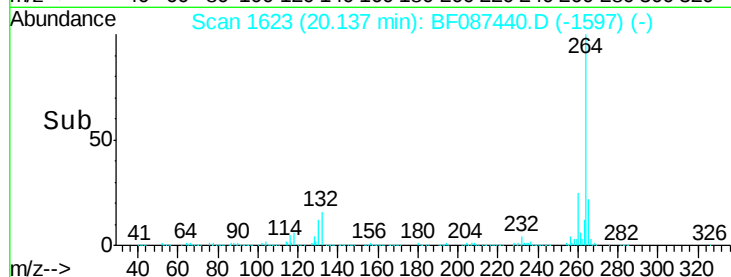
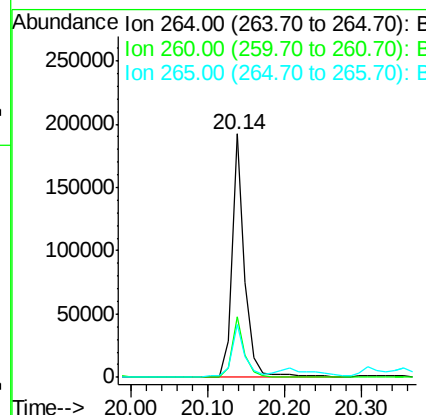
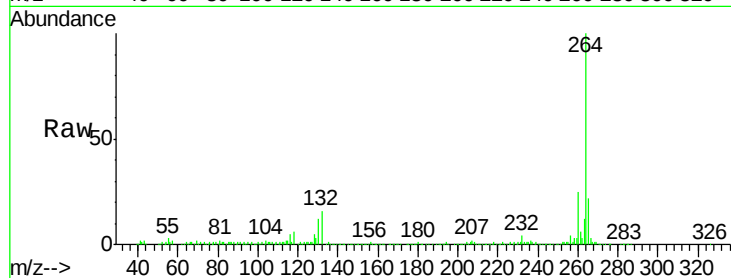
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.14 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BF087440.D
Acq: 27 May 2016 11:20

Instrument :
BNA_F
ClientSampleId :
TA-1315-(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	226471		
260	24.7	19.5	29.3	
265	21.9	17.3	25.9	

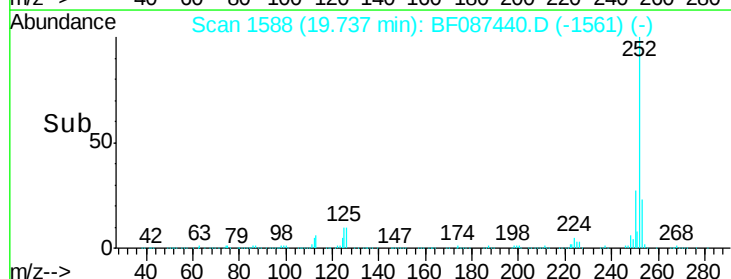
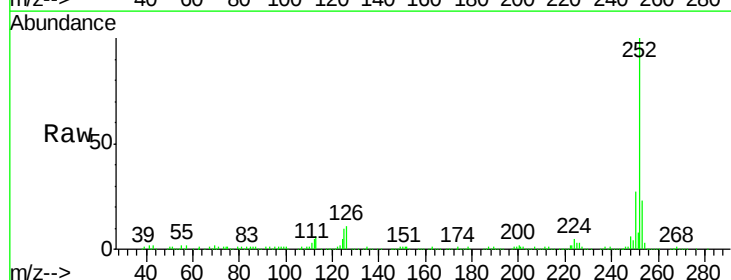
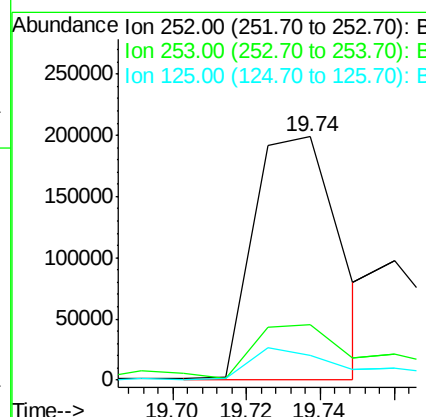
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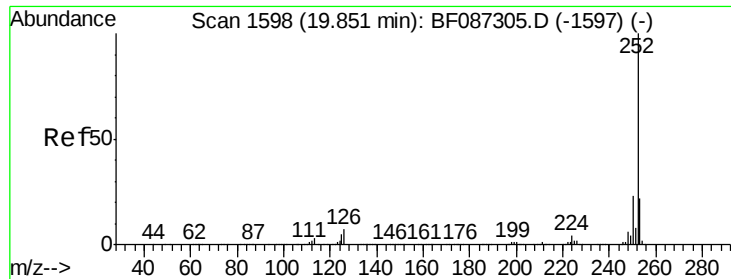
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#87
Benzo(b)fluoranthene
Concen: 22.52 ng m
RT: 19.74 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF087440.D
Acq: 27 May 2016 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	324870		
253	22.9	17.8	26.6	
125	10.4	11.4	17.0	





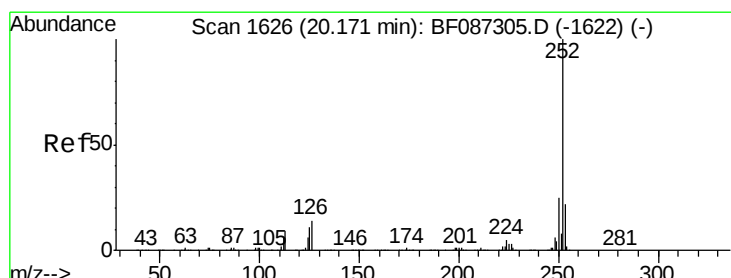
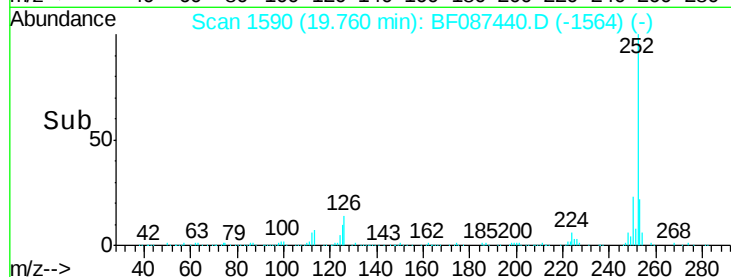
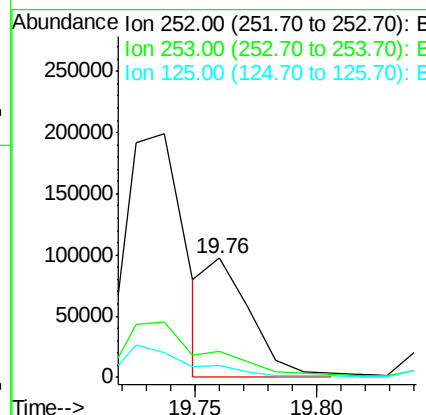
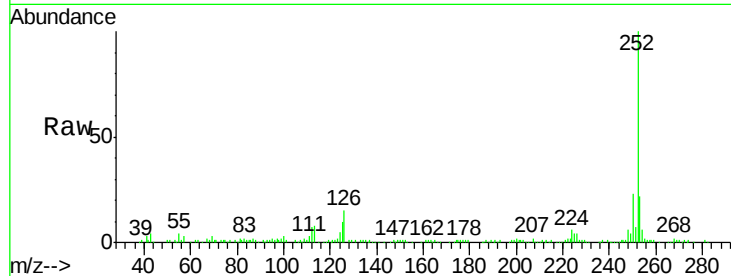
#88
Benzo(k)fluoranthene
Concen: 9.73 ng m
RT: 19.76 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF087440.D
Acq: 27 May 2016 11:20

Instrument :
BNA_F
ClientSampleId :
TA-1315-(0-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.5	9.1	13.7

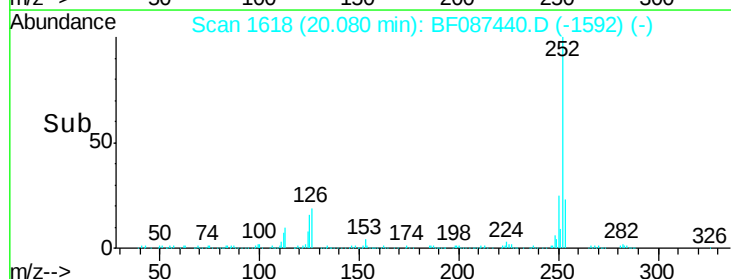
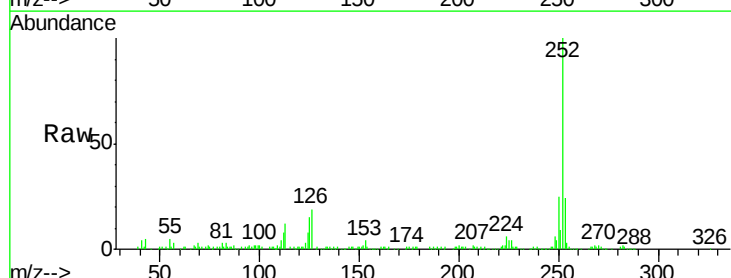
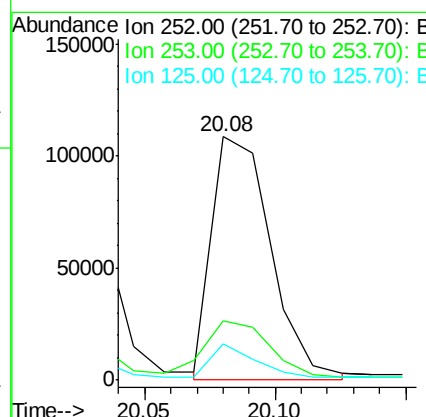
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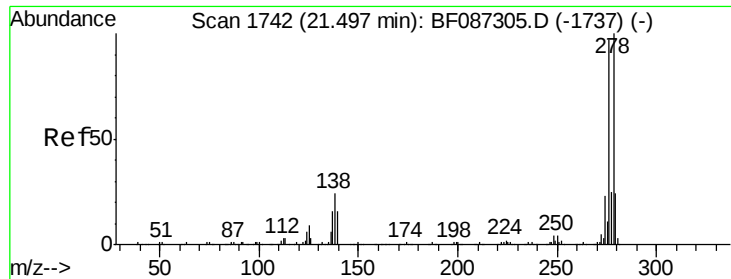
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#89
Benzo(a)pyrene
Concen: 13.79 ng m
RT: 20.08 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BF087440.D
Acq: 27 May 2016 11:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	15.1	9.0	13.6#





#90

Dibenzo(a,h)anthracene

Concen: 3.59 ng

RT: 21.38 min Scan# 1732

Delta R.T. 0.02 min

Lab File: BF087440.D

Acq: 27 May 2016 11:20

Instrument :

BNA_F

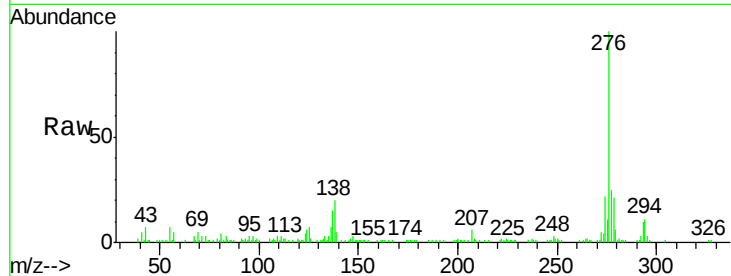
ClientSampleId :

TA-1315-(0-4)

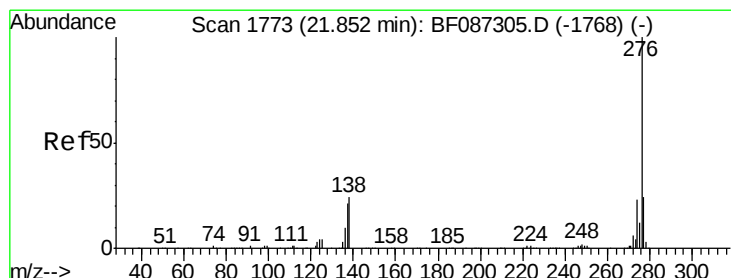
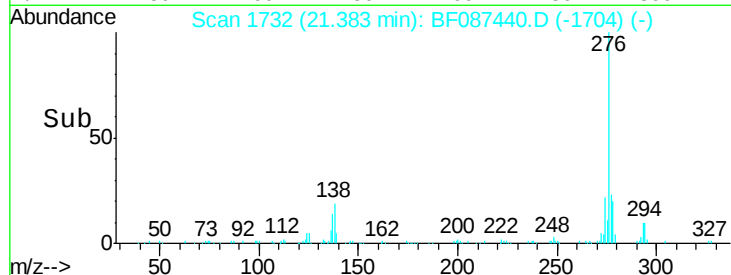
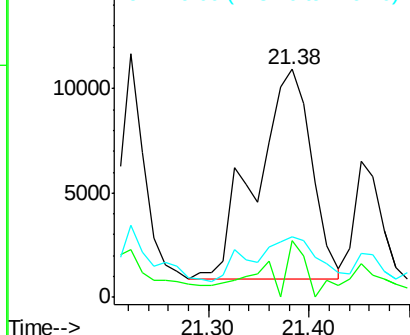
Tgt Ion:	278	Resp:	38217
Ion Ratio	Lower	Upper	
278	100		
139	24.7	16.6	24.8
279	26.8	19.6	29.4

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.46 ng

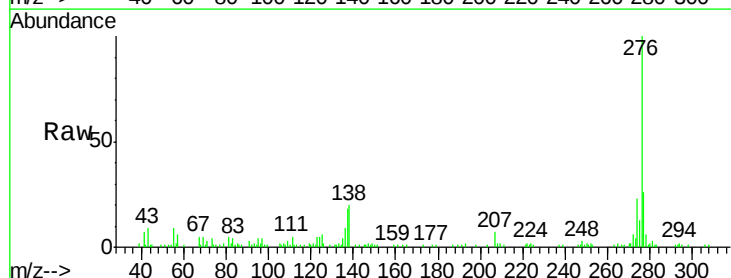
RT: 21.74 min Scan# 1763

Delta R.T. 0.02 min

Lab File: BF087440.D

Acq: 27 May 2016 11:20

Tgt Ion:	276	Resp:	88809
Ion Ratio	Lower	Upper	
276	100		
277	25.6	19.6	29.4
138	19.6	23.6	35.4#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

