

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097293.D
 Acq On : 3 Aug 2017 00:25
 Operator : SJ/JU
 Sample : I4539-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
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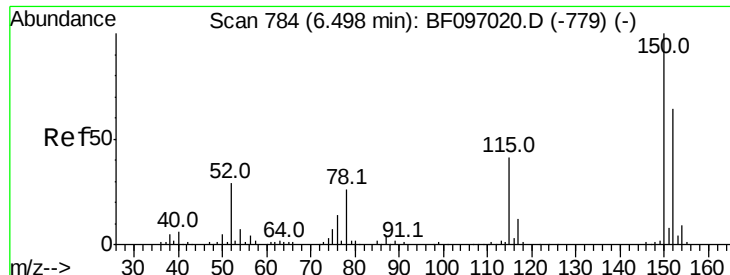
Quant Time: Aug 03 02:10:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	123100	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	439355	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	191226	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	274486	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	204191	20.00	ng	-0.05
86) Perylene-d12	14.92	264	146825	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.06	112	788243	96.53	ng	-0.04
7) Phenol-d6	6.13	99	1100667	118.07	ng	-0.04
23) Nitrobenzene-d5	7.02	82	656673	87.68	ng	-0.05
41) 2,4,6-Tribromophenol	10.27	330	153996	101.93	ng	-0.05
44) 2-Fluorobiphenyl	8.82	172	919752	81.63	ng	-0.05
78) Terphenyl-d14	12.53	244	526733	52.59	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.14	94	23902	2.162	ng	93
49) Dimethylphthalate	9.21	163	193974	13.358	ng	99
51) Acenaphthene	9.51	154	32365	2.978	ng	93
54) Dibenzofuran	9.68	168	32711	2.260	ng	96
57) Fluorene	10.02	166	53007	4.872	ng	96
70) Phenanthrene	10.97	178	74615	5.073	ng	98
71) Anthracene	11.03	178	102368	6.796	ng	97
74) Fluoranthene	12.16	202	285233	19.797	ng	97
77) Pyrene	12.38	202	273504	16.361	ng	99
80) Benzo(a)anthracene	13.56	228	129204	9.779	ng	98
82) Chrysene	13.60	228	109937	8.522	ng	97
85) Indeno(1,2,3-cd)pyrene	16.12	276	28833	2.606	ng	94
87) Benzo(b)fluoranthene	14.56	252	98815m	11.196	ng	
88) Benzo(k)fluoranthene	14.59	252	28519m	3.391	ng	
89) Benzo(a)pyrene	14.87	252	71740	8.881	ng	97
91) Benzo(g,h,i)perylene	16.49	276	30838	4.439	ng	98

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



#1

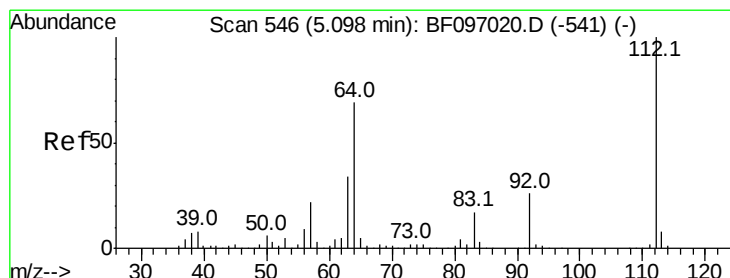
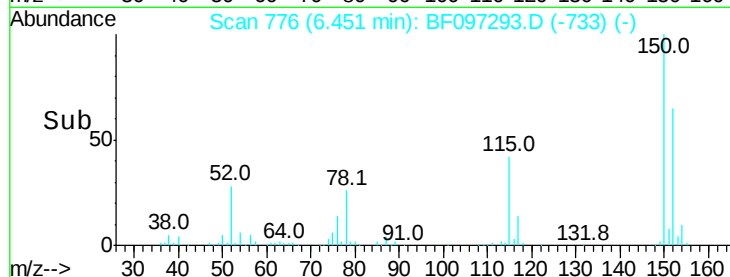
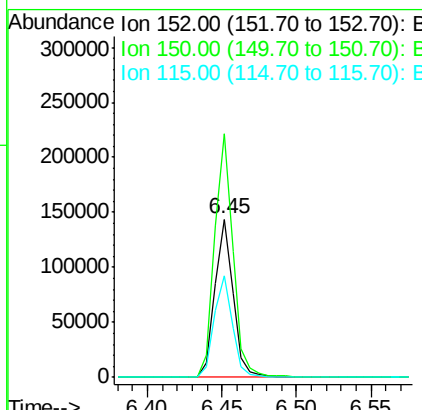
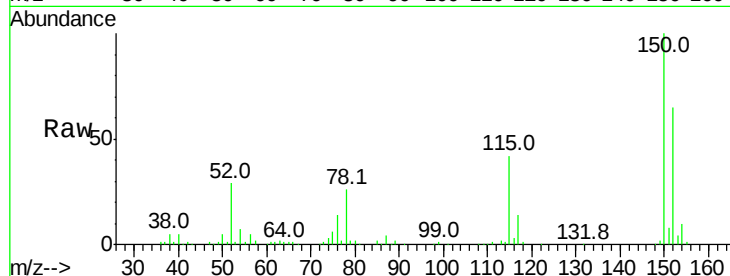
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.2
115	64.0	52.2	78.2

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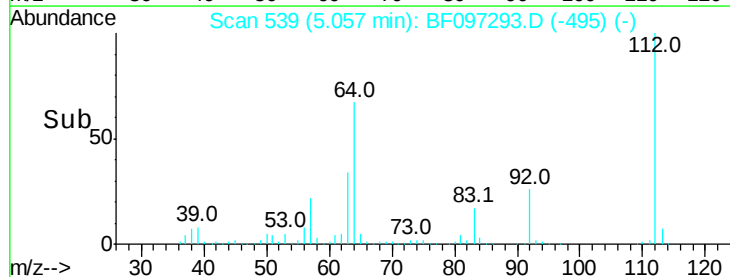
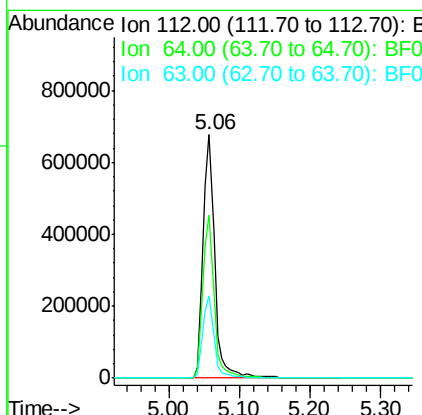
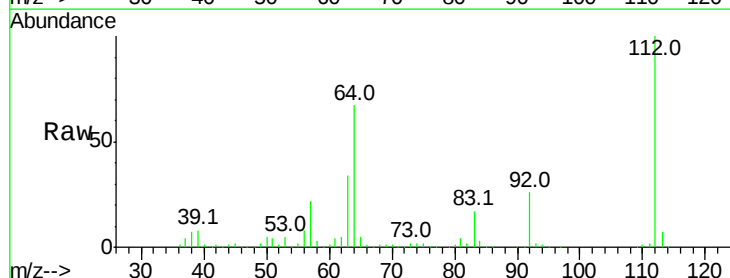
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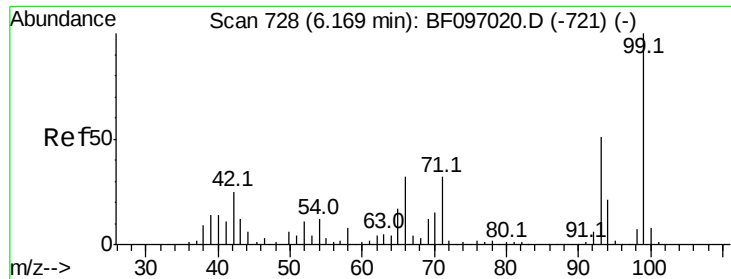


#5

2-Fluorophenol
Concen: 96.529 ng
RT: 5.06 min Scan# 539
Delta R.T. -0.04 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	46.0	69.0
63	33.7	23.4	35.0





#7

Phenol-d6

Concen: 118.068 ng

RT: 6.13 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF097293.D

Acq: 3 Aug 2017 00:25

Instrument :

BNA_F

ClientSampleId :

TP-2

Tot Ion: 99 Resp: 1100667

Ion Ratio Lower Upper

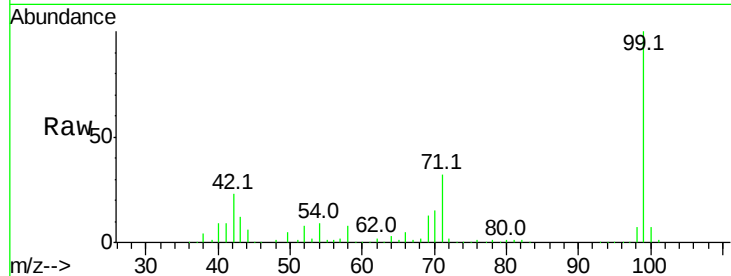
99 100

42 23.5 13.5 20.3#

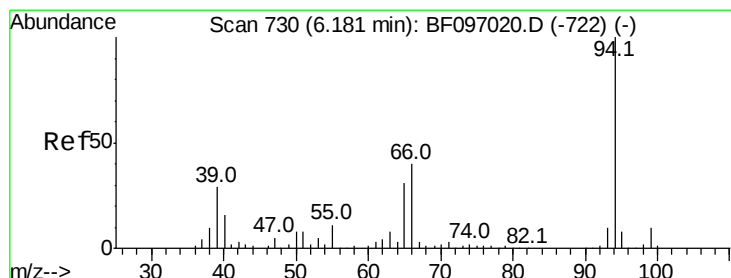
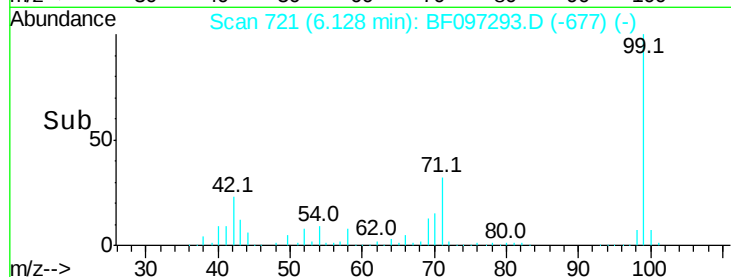
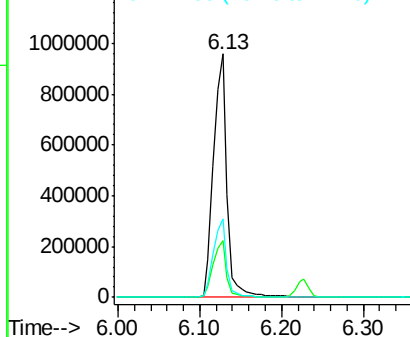
71 32.5 24.5 36.7

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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



#10

Phenol

Concen: 2.162 ng

RT: 6.14 min Scan# 723

Delta R.T. -0.04 min

Lab File: BF097293.D

Acq: 3 Aug 2017 00:25

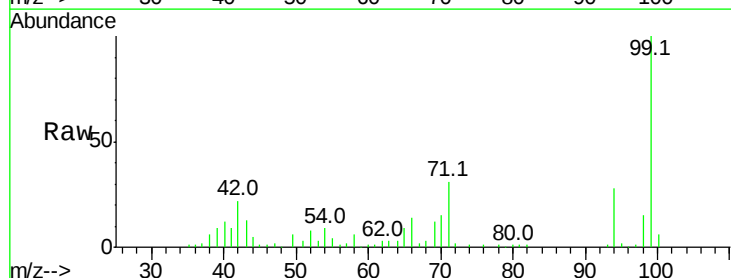
Tgt Ion: 94 Resp: 23902

Ion Ratio Lower Upper

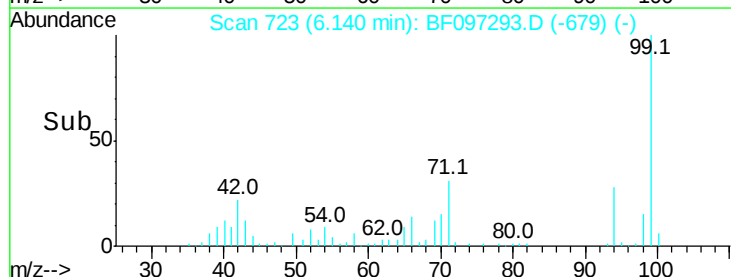
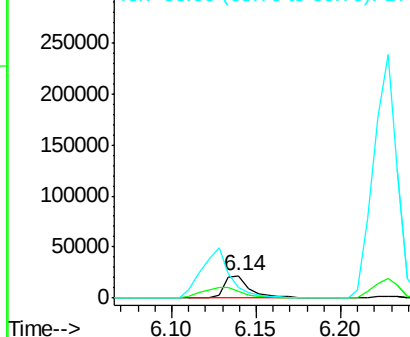
94 100

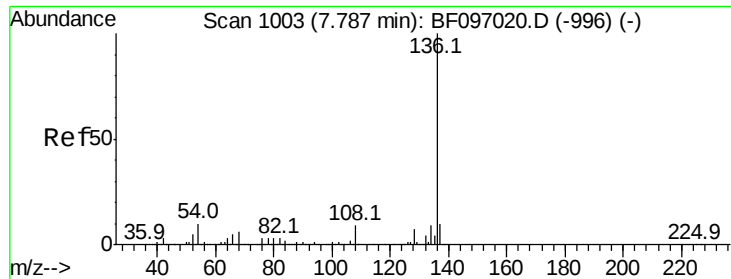
65 32.7 9.9 49.9

66 48.4 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





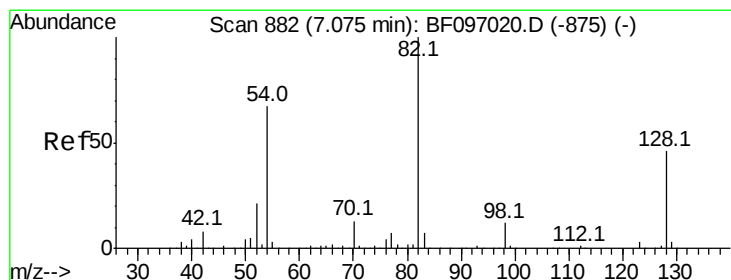
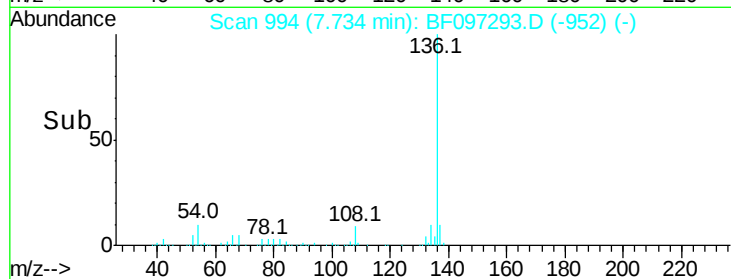
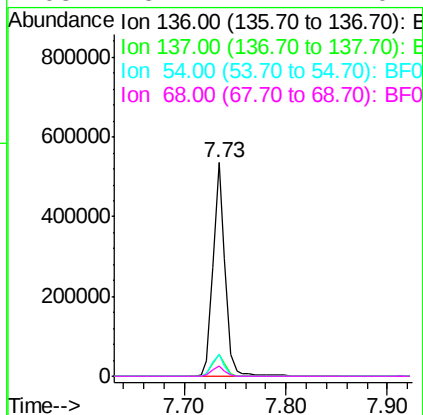
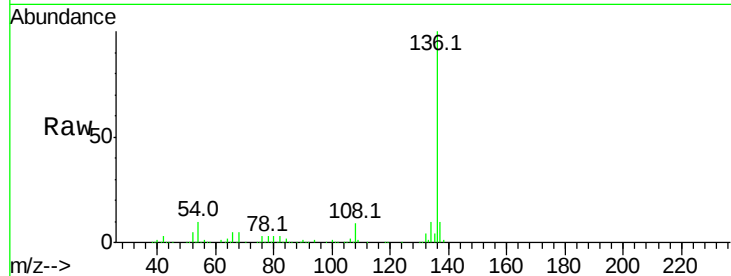
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 994
Delta R.T. -0.05 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.5	8.5	12.7	
54	10.4	4.9	7.3#	
68	5.1	4.1	6.1	

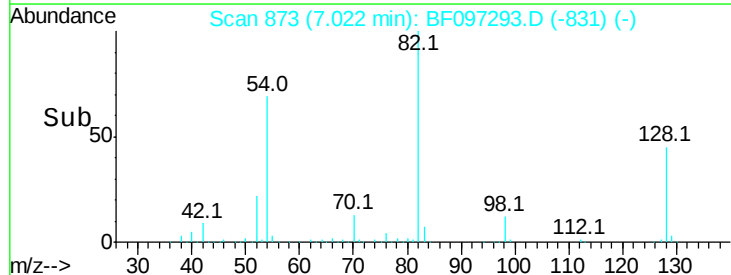
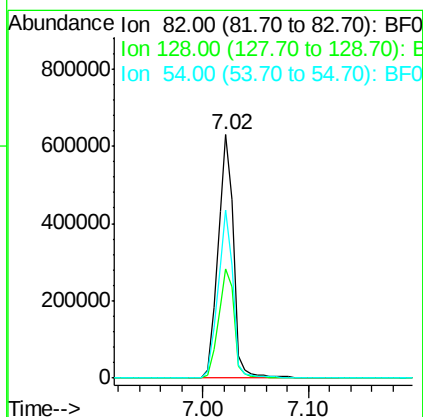
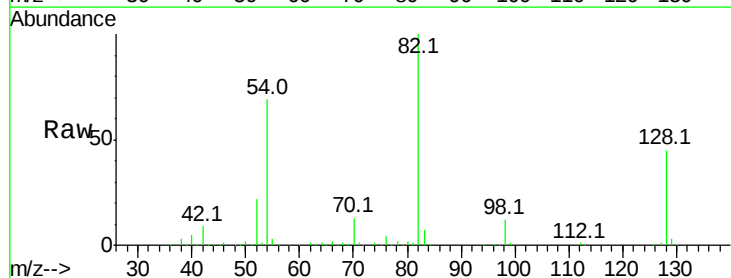
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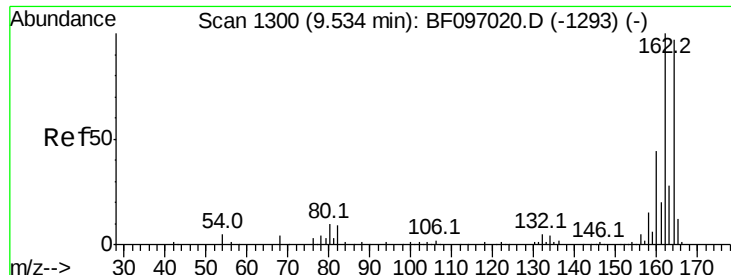
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#23
Nitrobenzene-d5
Concen: 87.681 ng
RT: 7.02 min Scan# 873
Delta R.T. -0.05 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.7	34.0	51.0	
54	69.1	42.2	63.2#	





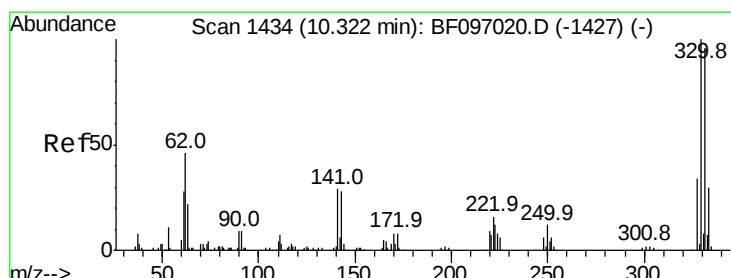
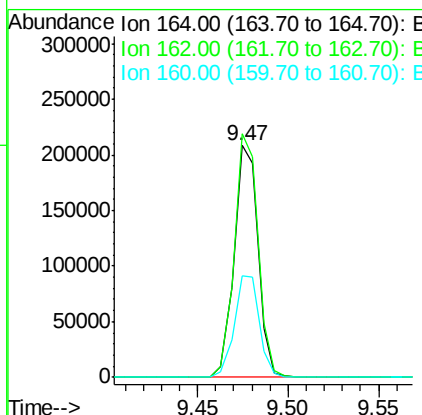
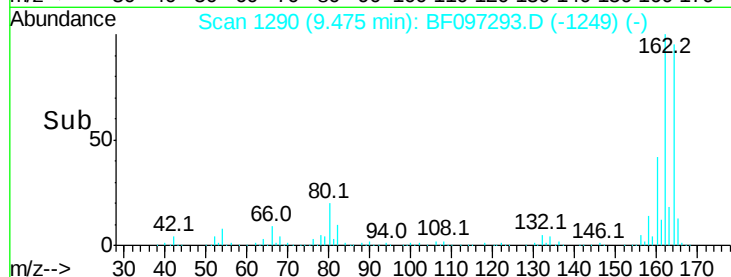
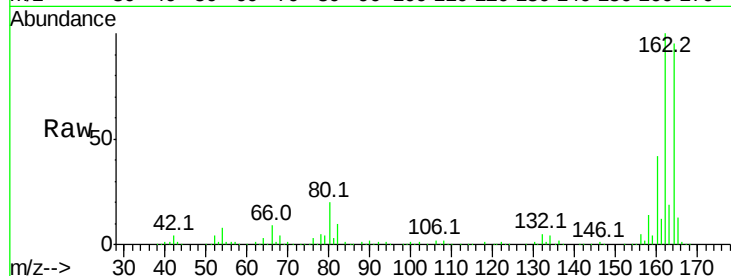
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.47 min Scan# 1290
Delta R.T. -0.06 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	43.8	36.2	54.2

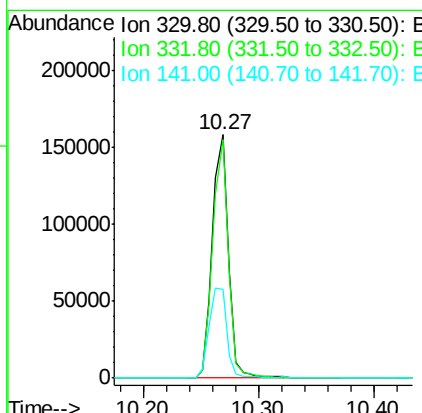
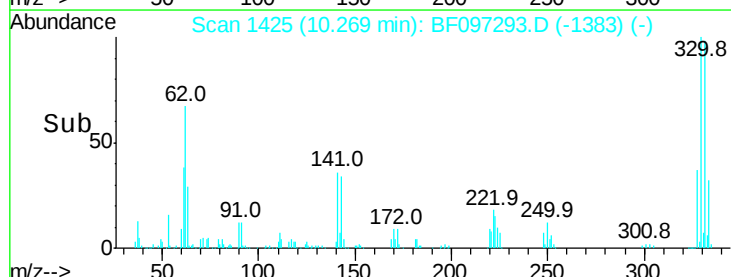
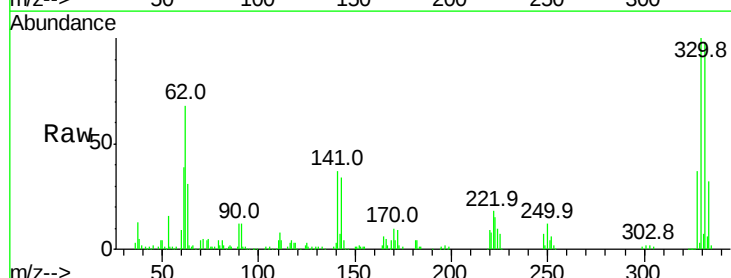
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#41
2,4,6-Tribromophenol
Concen: 101.925 ng
RT: 10.27 min Scan# 1425
Delta R.T. -0.05 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.6	115.0
141	41.5	31.4	47.2





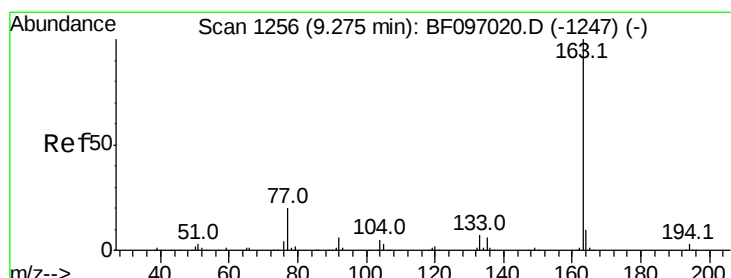
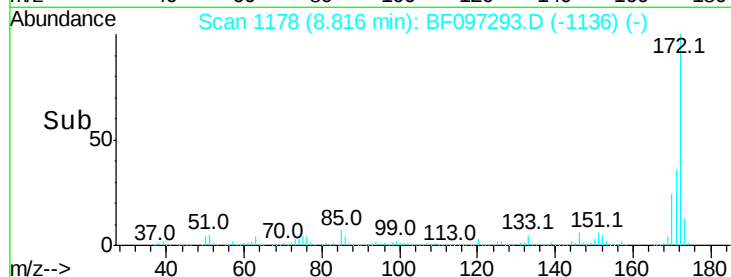
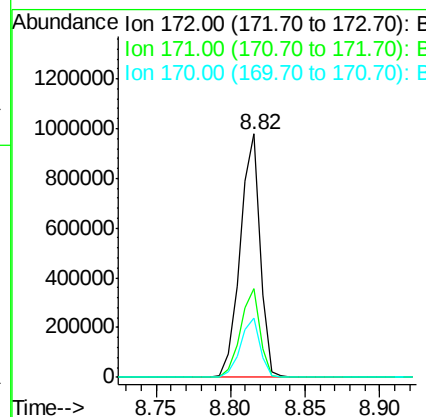
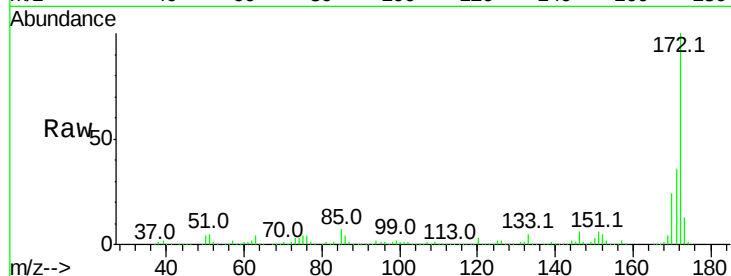
#44
2-Fluorobiphenyl
Concen: 81.626 ng
RT: 8.82 min Scan# 1178
Delta R.T. -0.05 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2		29.6	44.4
170	24.3		19.8	29.8

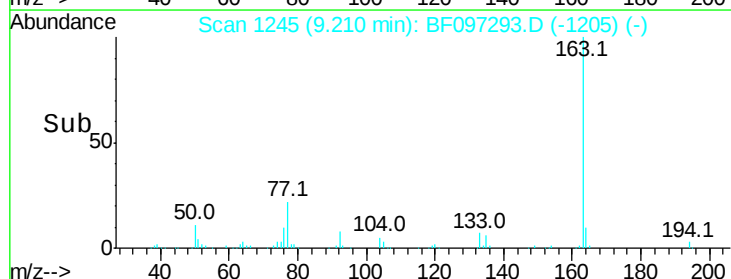
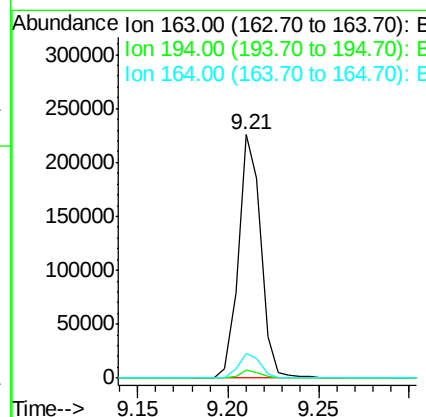
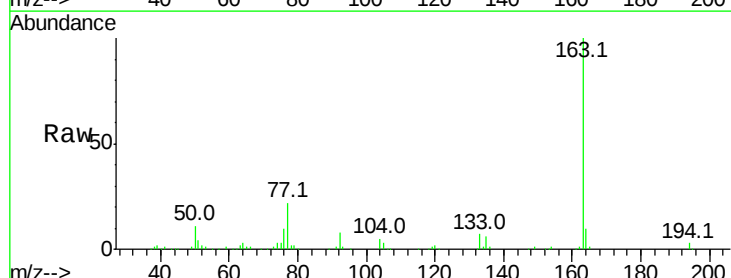
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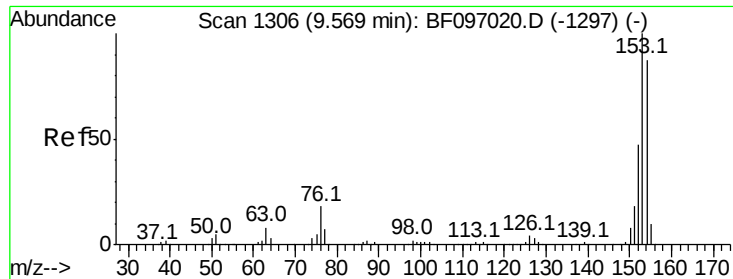
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#49
Dimethylphthalate
Concen: 13.358 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1		2.6	4.0
164	10.2		8.4	12.6





#51

Acenaphthene

Concen: 2.978 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.06 min

Lab File: BF097293.D

Acq: 3 Aug 2017 00:25

Instrument :

BNA_F

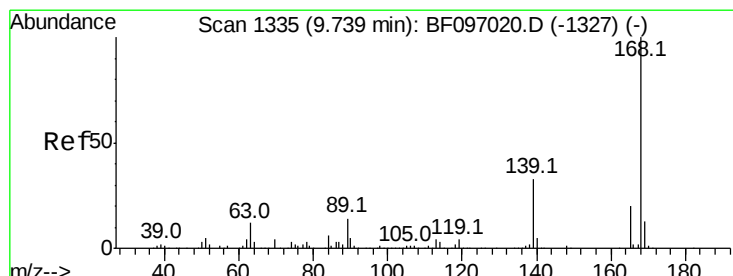
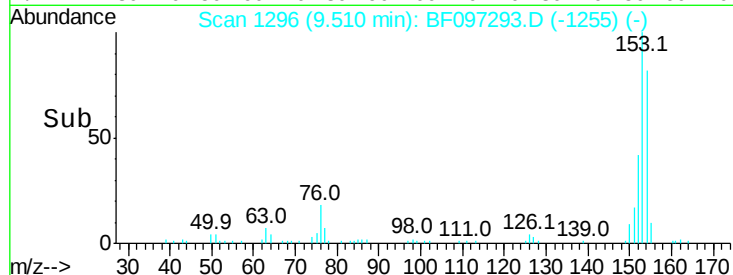
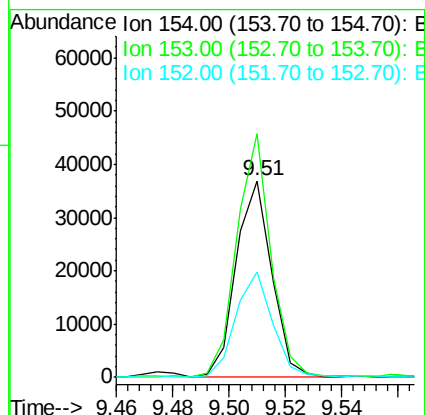
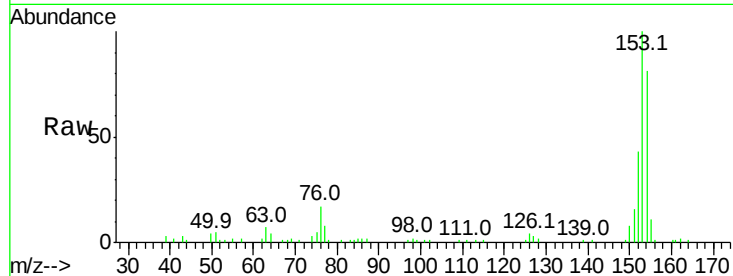
ClientSampleId :

TP-2

Tot Ion:	154	Resp:	32365
Ion Ratio	Lower	Upper	
154	100		
153	123.7	90.5	135.7
152	53.2	43.6	65.4

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#54

Dibenzofuran

Concen: 2.260 ng

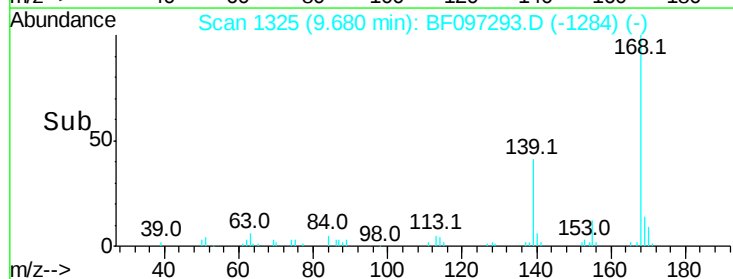
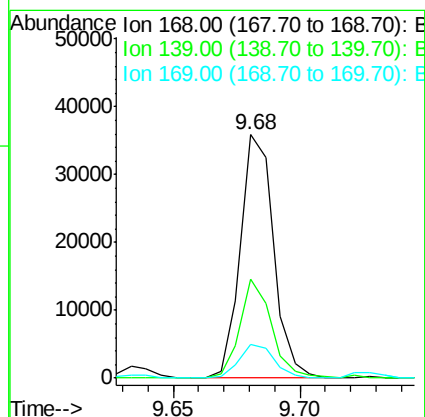
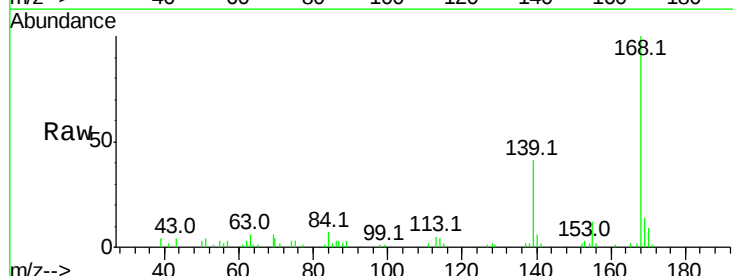
RT: 9.68 min Scan# 1325

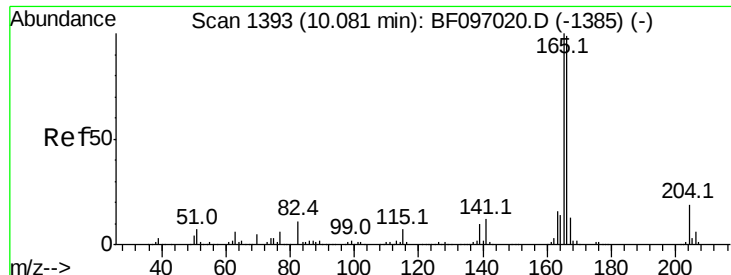
Delta R.T. -0.06 min

Lab File: BF097293.D

Acq: 3 Aug 2017 00:25

Tgt Ion:	168	Resp:	32711
Ion Ratio	Lower	Upper	
168	100		
139	40.9	30.6	45.8
169	14.0	10.8	16.2





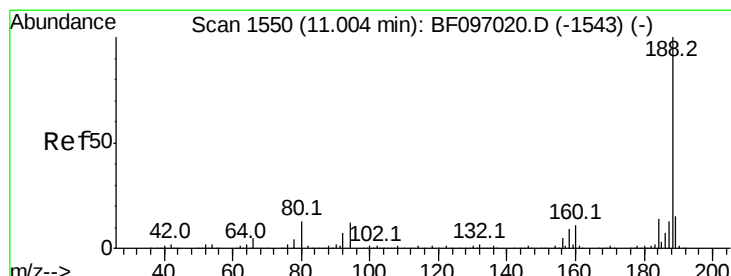
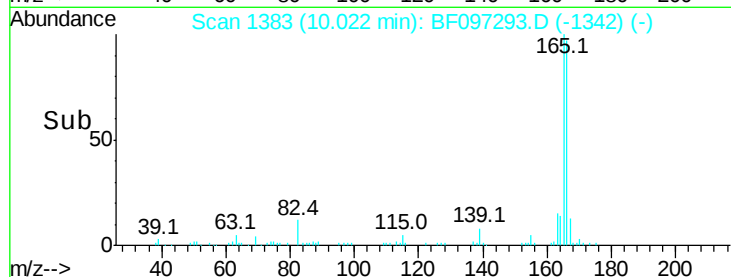
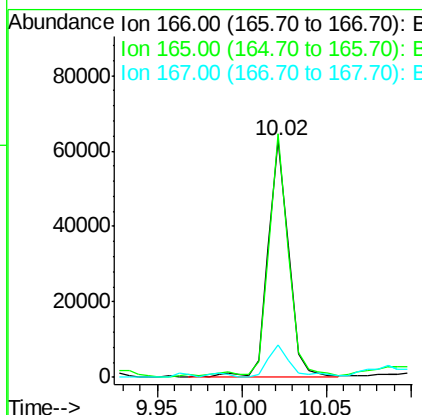
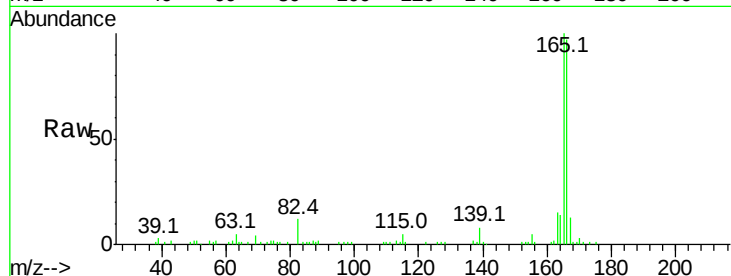
#57
Fluorene
 Concen: 4.872 ng
 RT: 10.02 min Scan# 1383
 Delta R.T. -0.06 min
 Lab File: BF097293.D
 Acq: 3 Aug 2017 00:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.8	78.8	118.2
167	13.6	10.6	16.0

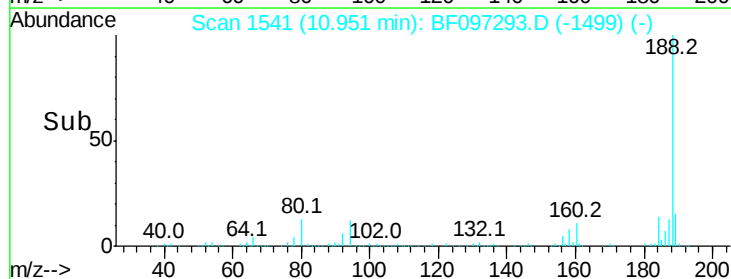
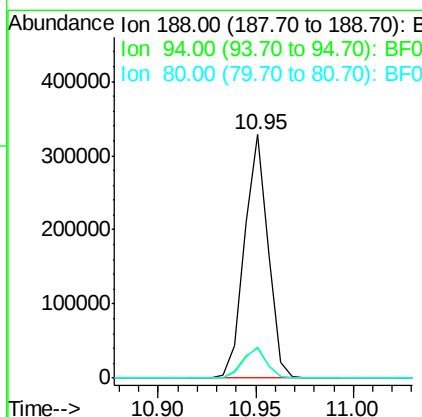
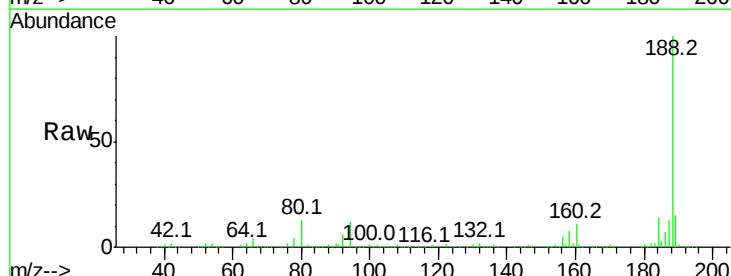
Manual Integrations
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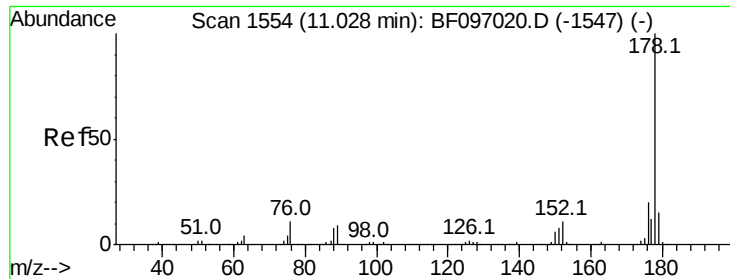
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.95 min Scan# 1541
 Delta R.T. -0.05 min
 Lab File: BF097293.D
 Acq: 3 Aug 2017 00:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	9.4	14.2
80	13.0	10.2	15.2





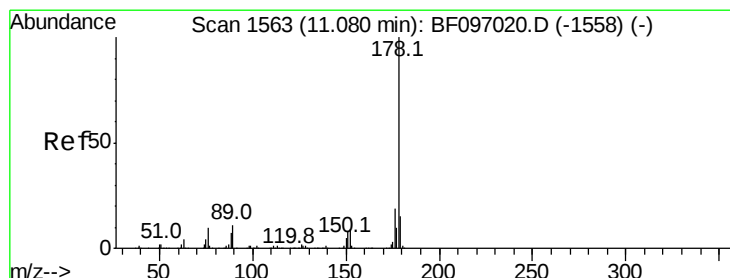
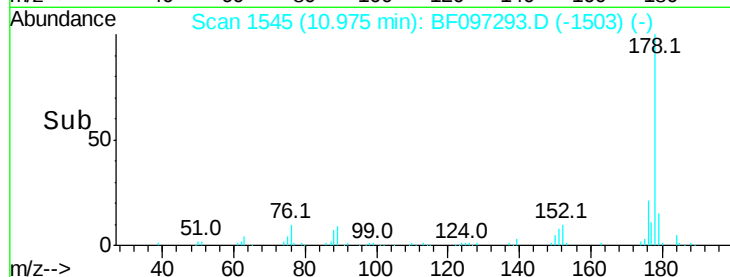
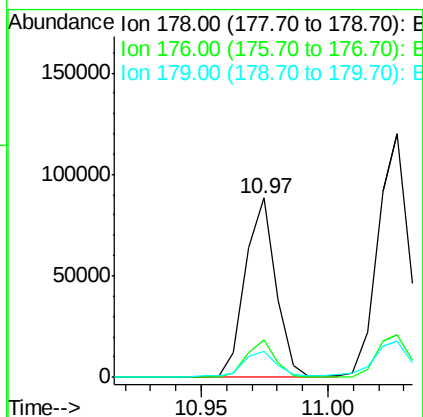
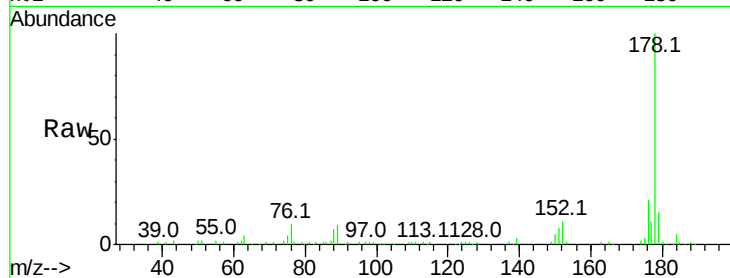
#70
Phenanthrene
Concen: 5.073 ng
RT: 10.97 min Scan# 1545
Delta R.T. -0.05 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.0	16.2	24.4
179	14.6	12.6	19.0

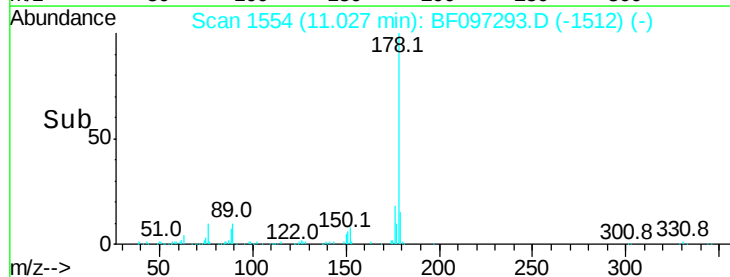
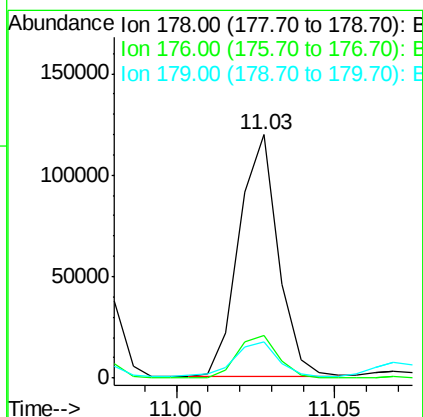
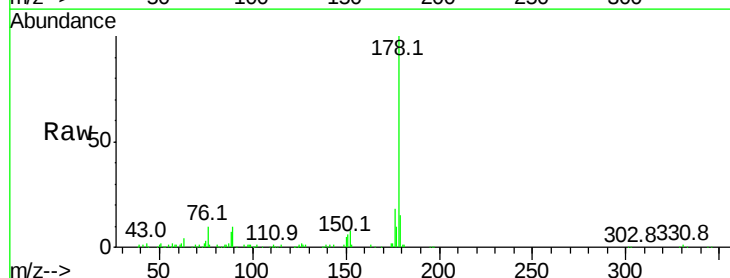
Manual Integrations
APPROVED

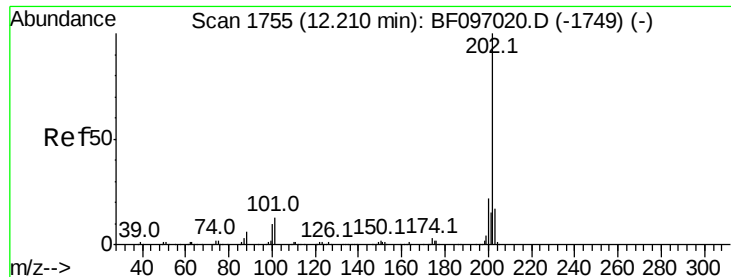
Sohil
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#71
Anthracene
Concen: 6.796 ng
RT: 11.03 min Scan# 1554
Delta R.T. -0.05 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	15.1	12.7	19.1





#74

Fluoranthene

Concen: 19.797 ng

RT: 12.16 min Scan# 1746

Delta R.T. -0.05 min

Lab File: BF097293.D

Acq: 3 Aug 2017 00:25

Instrument :

BNA_F

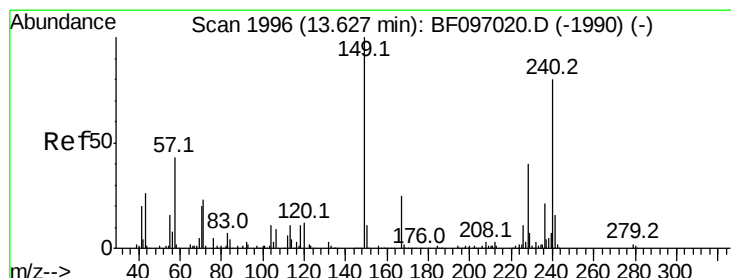
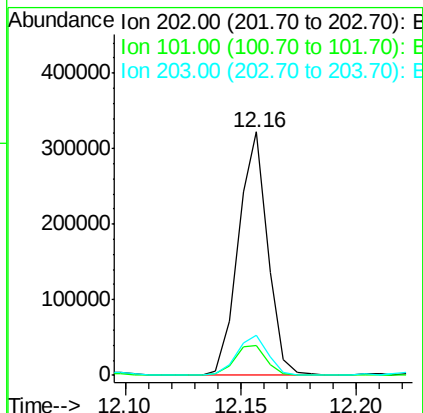
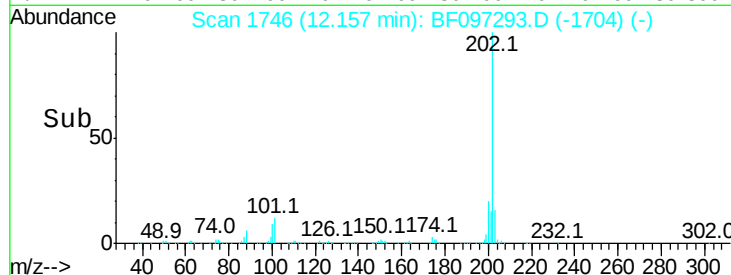
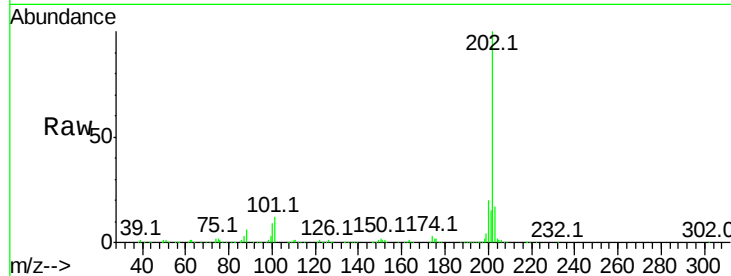
ClientSampleId :

TP-2

Tot Ion:	202	Resp:	285233
Ion Ratio		Lower	Upper
202	100		
101	12.3	0.0	33.2
203	16.5	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

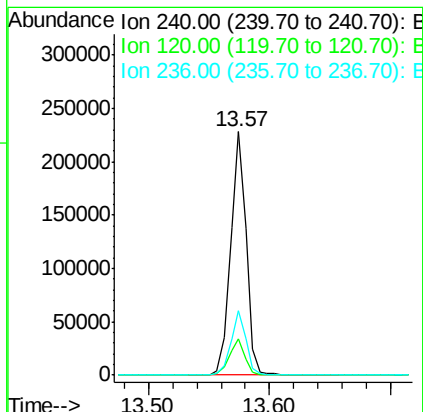
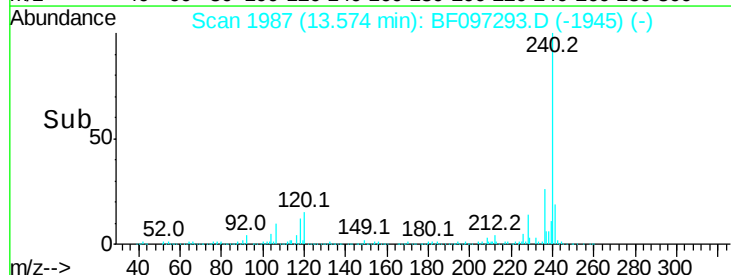
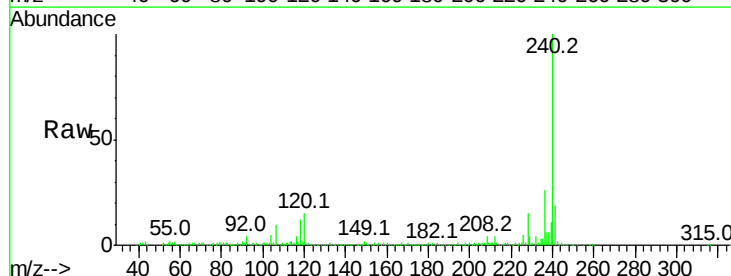
RT: 13.57 min Scan# 1987

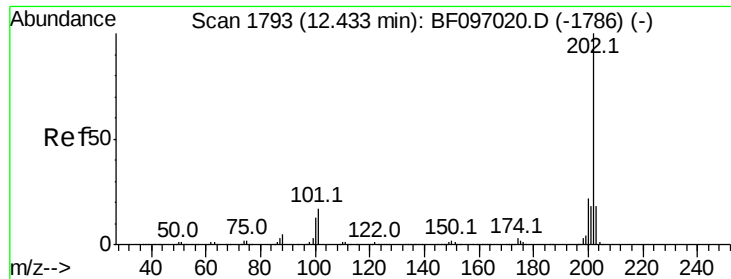
Delta R.T. -0.05 min

Lab File: BF097293.D

Acq: 3 Aug 2017 00:25

Tgt Ion:	240	Resp:	204191
Ion Ratio		Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	26.3	20.5	30.7





#77

Pvrene

Concen: 16.361 ng

RT: 12.38 min Scan# 1784

Delta R.T. -0.05 min

Lab File: BF097293.D

Acq: 3 Aug 2017 00:25

Instrument :

BNA_F

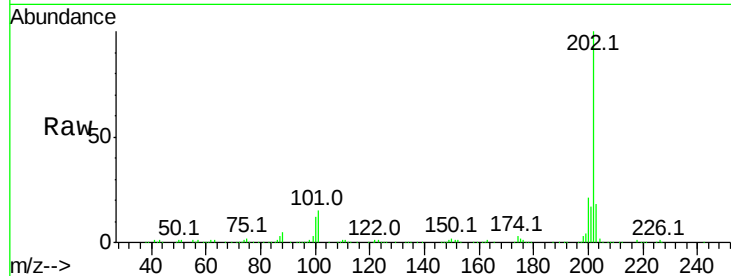
ClientSampleId :

TP-2

Tot Ion:	202	Resp:	273504
Ion Ratio		Lower	Upper
202	100		
200	21.2	17.6	26.4
203	17.6	14.4	21.6

Manual Integrations
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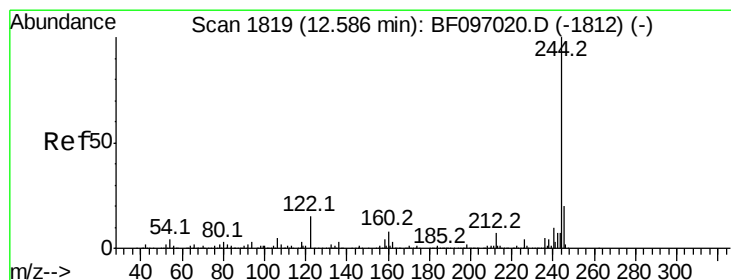
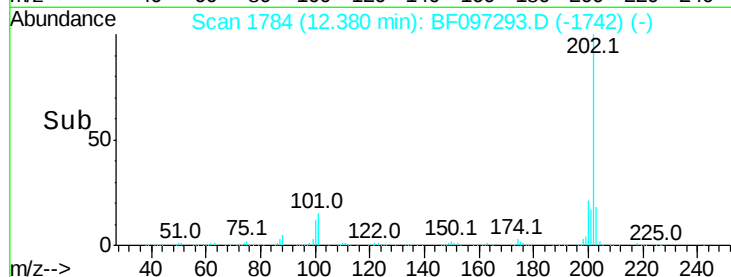
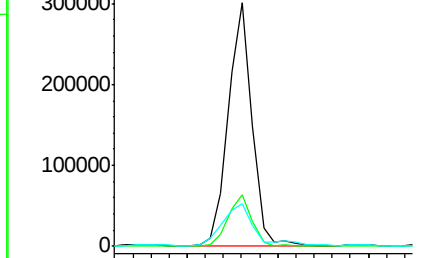
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 52.594 ng

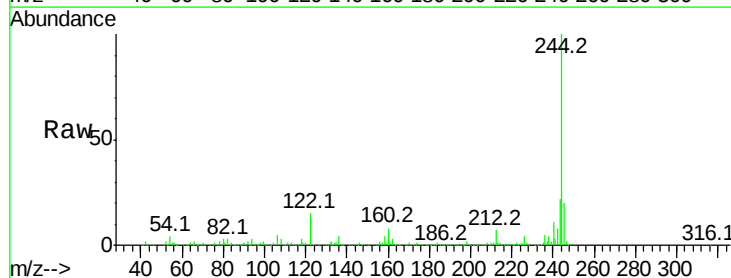
RT: 12.53 min Scan# 1810

Delta R.T. -0.05 min

Lab File: BF097293.D

Acq: 3 Aug 2017 00:25

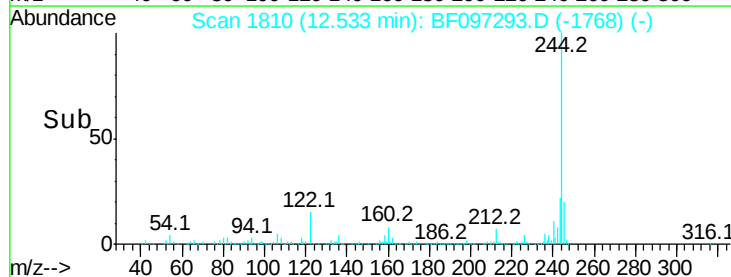
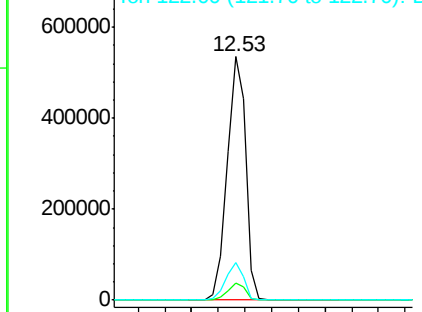
Tgt Ion:	244	Resp:	526733
Ion Ratio		Lower	Upper
244	100		
212	7.1	6.0	9.0
122	15.3	10.3	15.5

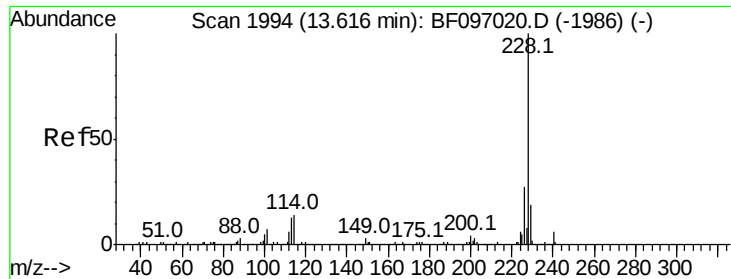


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





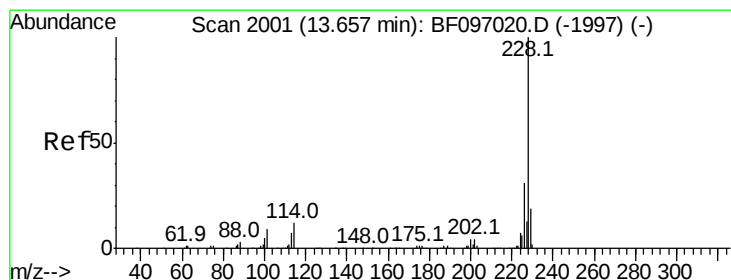
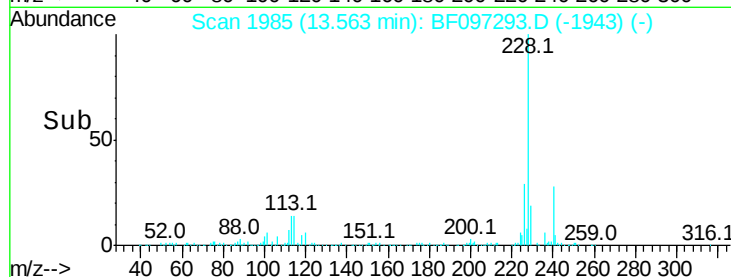
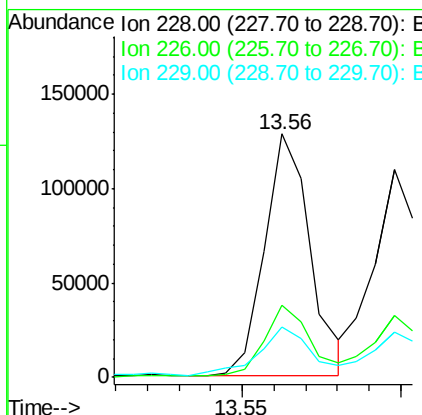
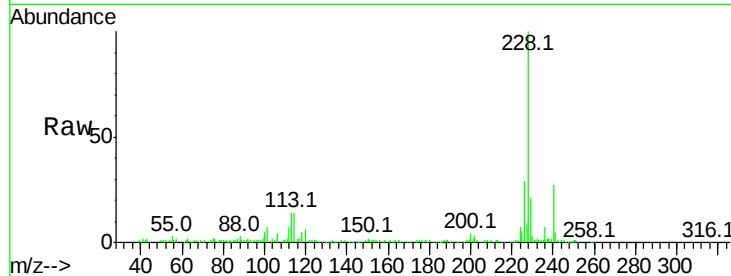
#80
Benzo(a)anthracene
Concen: 9.779 ng
RT: 13.56 min Scan# 1985
Delta R.T. -0.05 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	20.6	16.3	24.5

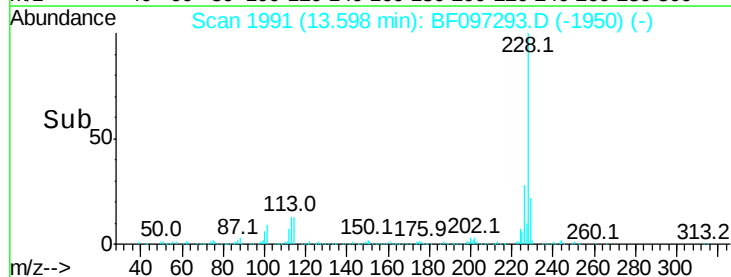
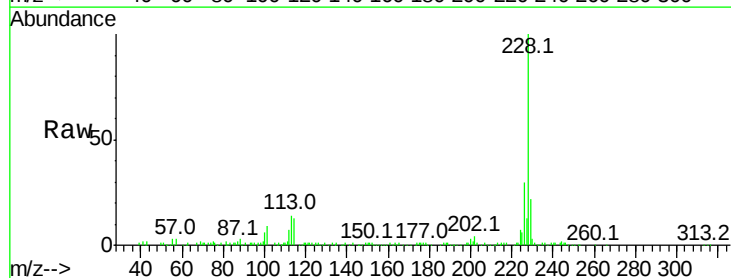
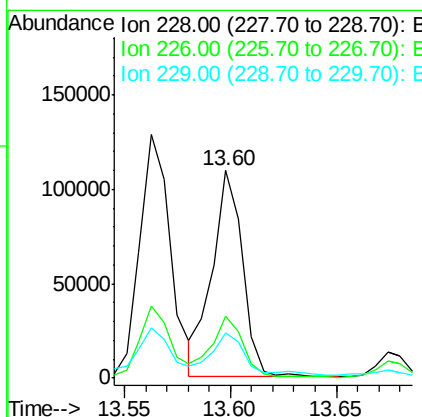
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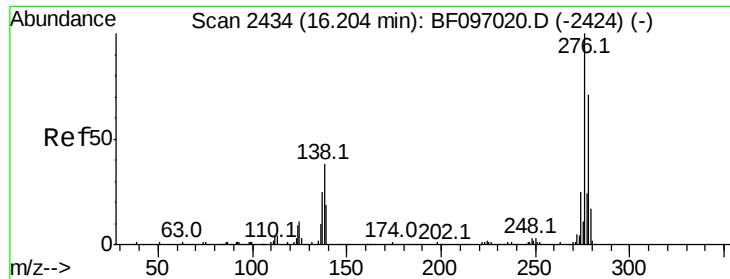
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#82
Chrysene
Concen: 8.522 ng
RT: 13.60 min Scan# 1991
Delta R.T. -0.06 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.0	15.8	23.6





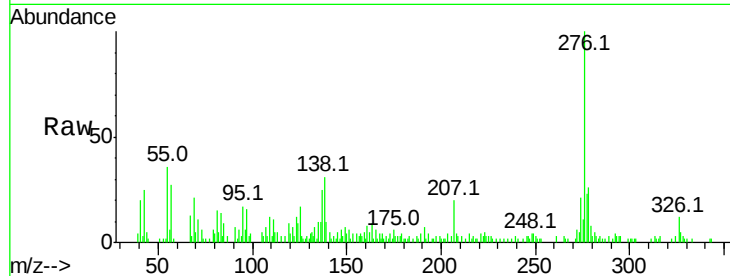
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.606 ng
RT: 16.12 min Scan# 2420
Delta R.T. -0.08 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Instrument :
BNA_F
ClientSampled :
TP-2

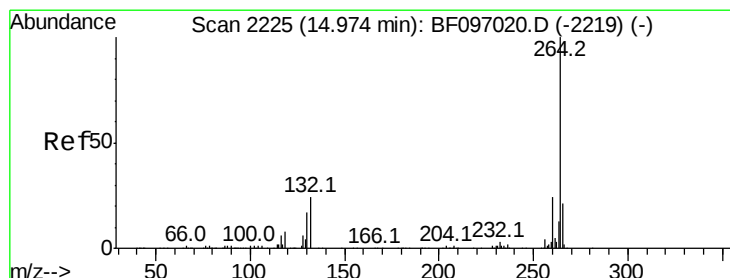
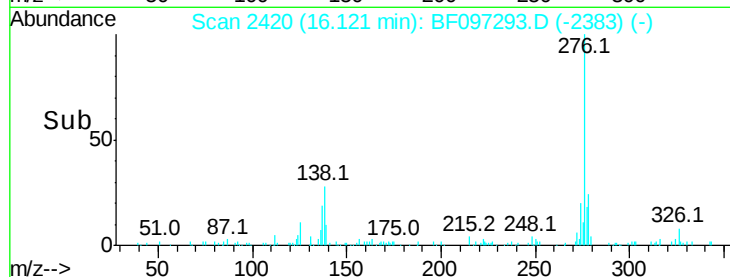
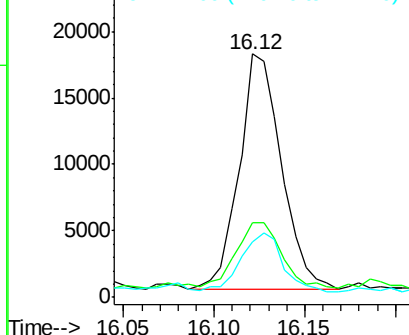
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.8	27.8	41.6
277	24.0	20.2	30.4

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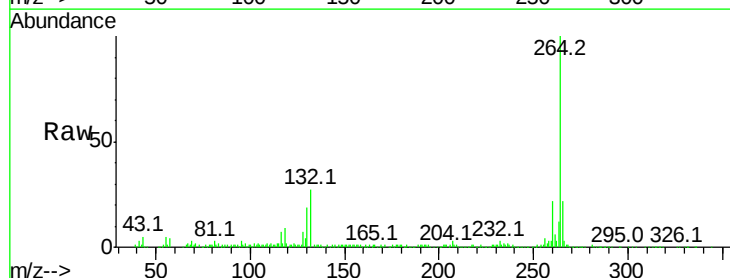


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

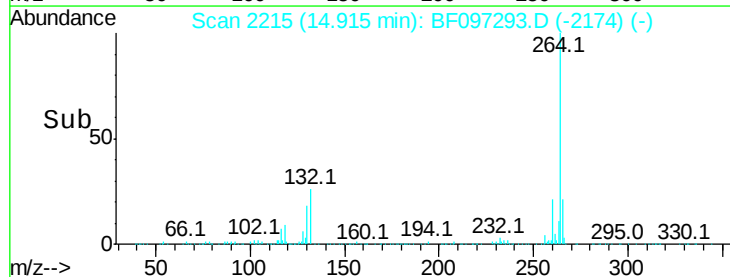
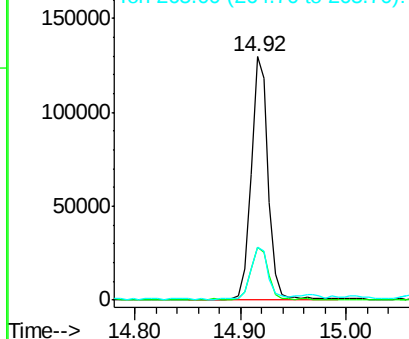


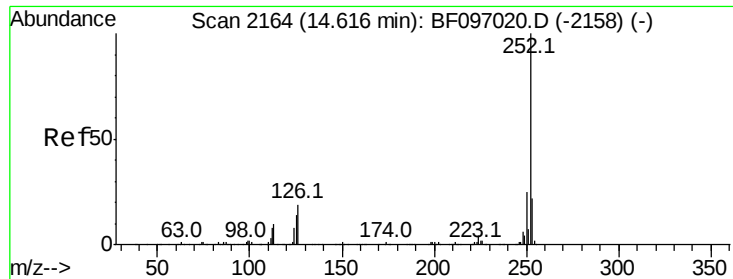
#86
Perylene-d12
Concen: 20.000 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.06 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.6	19.5	29.3
265	21.5	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 11.196 ng m

RT: 14.56 min Scan# 2155

Delta R.T. -0.05 min

Lab File: BF097293.D

Acq: 3 Aug 2017 00:25

Instrument :

BNA_F

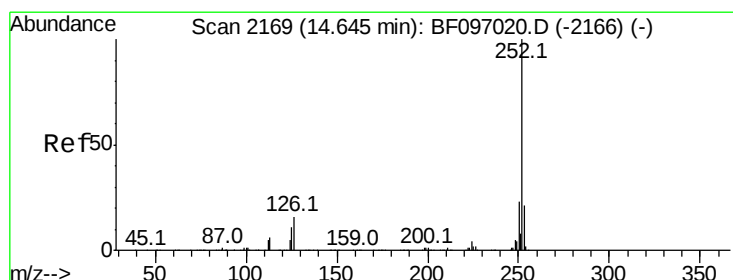
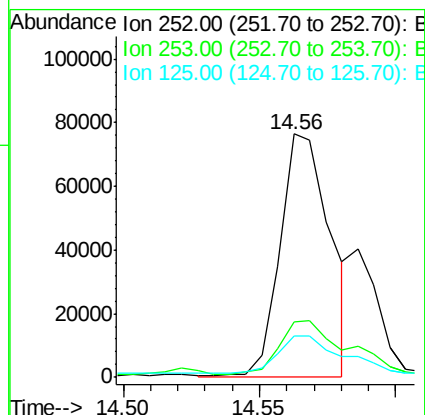
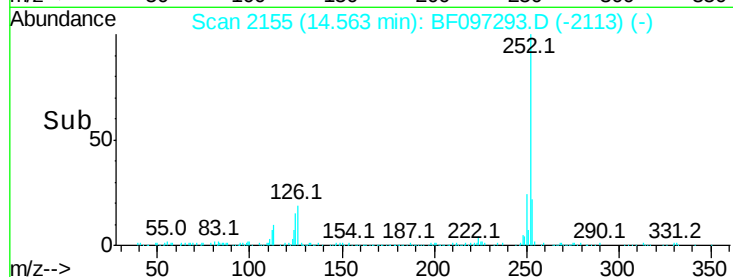
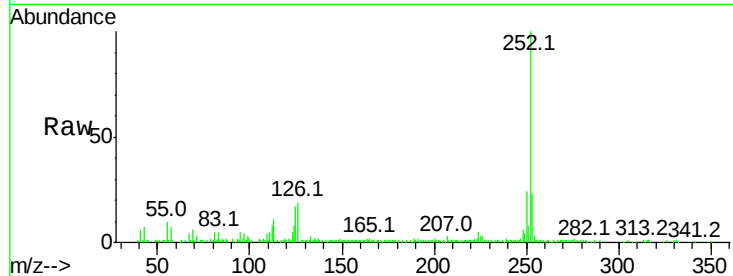
ClientSampled :

TP-2

Tot Ion:	252	Resp:	98815
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	16.8	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.391 ng m

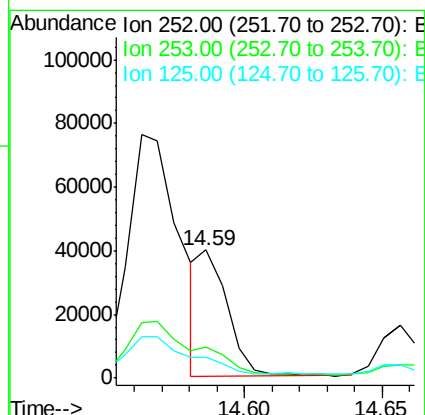
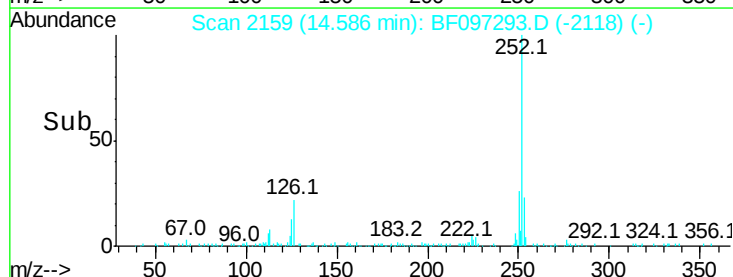
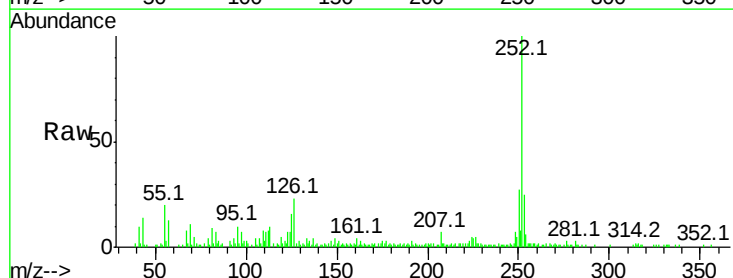
RT: 14.59 min Scan# 2159

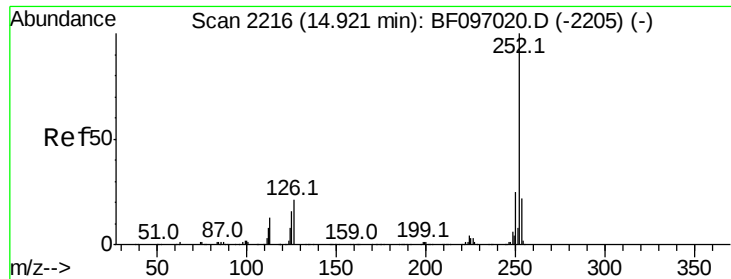
Delta R.T. -0.06 min

Lab File: BF097293.D

Acq: 3 Aug 2017 00:25

Tgt Ion:	252	Resp:	28519
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.4	27.6
125	16.3	13.1	19.7





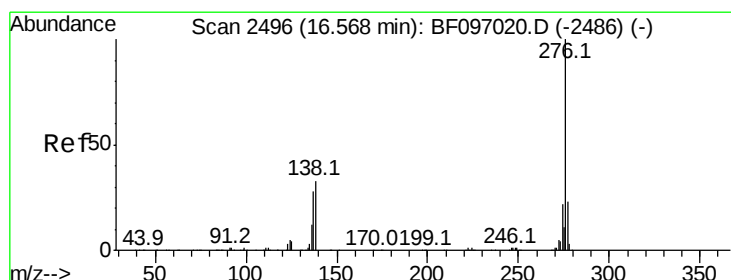
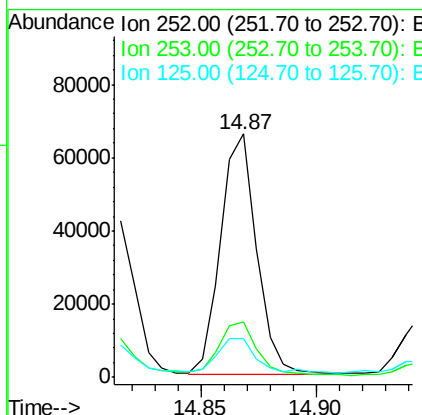
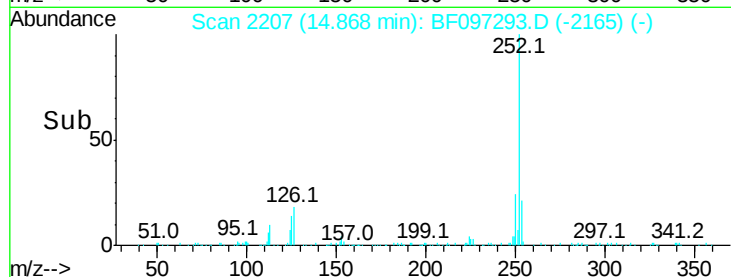
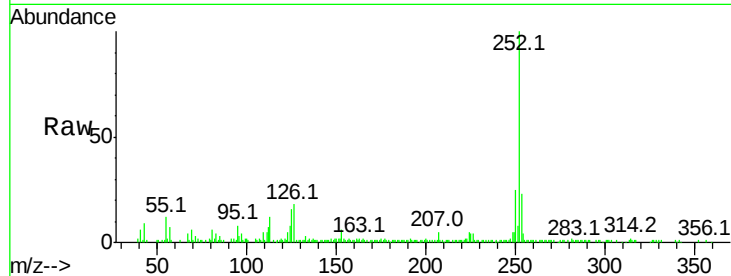
#89
Benzo(a)pyrene
Concen: 8.881 ng
RT: 14.87 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	16.0	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.439 ng
RT: 16.49 min Scan# 2482
Delta R.T. -0.08 min
Lab File: BF097293.D
Acq: 3 Aug 2017 00:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.6	28.0
138	32.5	25.4	38.0

