

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097512.D
 Acq On : 9 Aug 2017 12:14
 Operator : SJ/JU
 Sample : I4588-03RE
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N9-BASERE

Manual Integrations
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 8/9/2017 7:17:15 PM

Quant Time: Aug 09 16:36:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	184085	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	695045	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	279518	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	380718	20.00	ng	0.00
75) Chrysene-d12	13.53	240	334260	20.00	ng	0.00
86) Perylene-d12	14.87	264	239583	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.00	112	508909	41.68	ng	0.00
7) Phenol-d6	6.08	99	625042	44.84	ng	0.00
23) Nitrobenzene-d5	6.97	82	335039	28.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	78490	35.54	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	433049	26.29	ng	0.00
78) Terphenyl-d14	12.49	244	295663	18.03	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	5.97	77	19695	2.387	ng	93
31) Naphthalene	7.71	128	75857	2.315	ng	98
37) 2-Methylnaphthalene	8.40	142	60122	2.898	ng	97
49) Dimethylphthalate	9.17	163	257002	12.108	ng	99
51) Acenaphthene	9.46	154	35098	2.210	ng	100
70) Phenanthrene	10.93	178	218725	10.722	ng	99
71) Anthracene	10.99	178	71641	3.429	ng	97
74) Fluoranthene	12.11	202	354369	17.733	ng	99
77) Pyrene	12.34	202	369675	13.509	ng	98
80) Benzo(a)anthracene	13.52	228	156269	7.225	ng	99
82) Chrysene	13.56	228	141541	6.702	ng	98
85) Indeno(1,2,3-cd)pyrene	16.07	276	47521	2.624	ng	94
87) Benzo(b)fluoranthene	14.53	252	140119m	9.729	ng	
88) Benzo(k)fluoranthene	14.54	252	52130m	3.799	ng	
89) Benzo(a)pyrene	14.83	252	97947	7.431	ng	98
91) Benzo(g,h,i)perylene	16.42	276	49683	4.383	ng	93

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

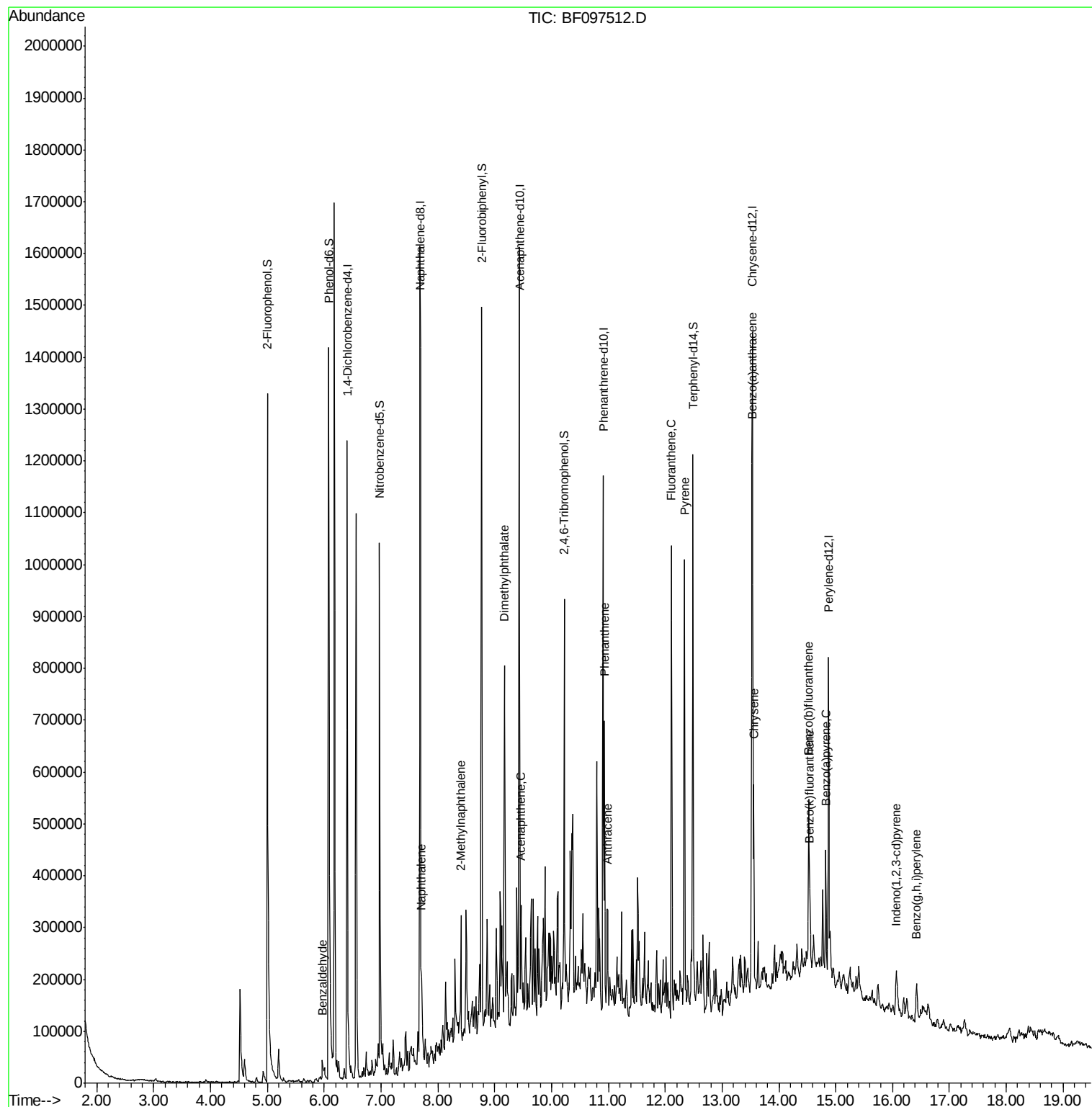
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
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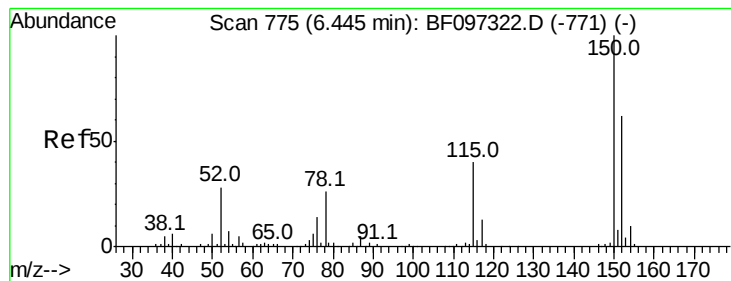
Instrument :
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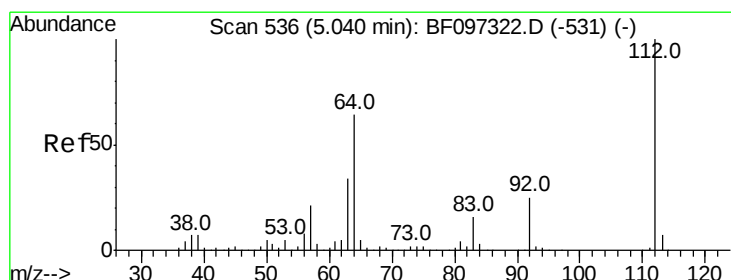
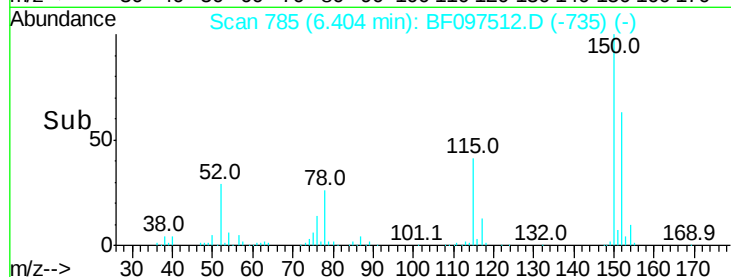
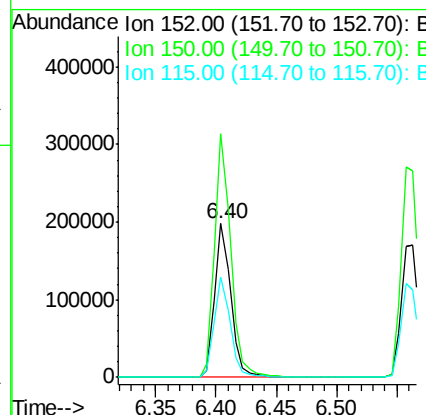
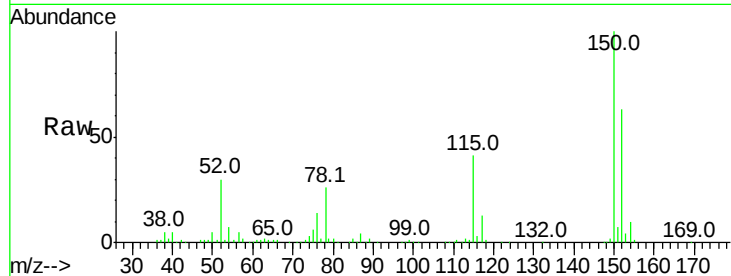
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.40 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF097512.D
 Acq: 9 Aug 2017 12:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-N9-BASERE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.2	189.2
115	65.4	52.2	78.2

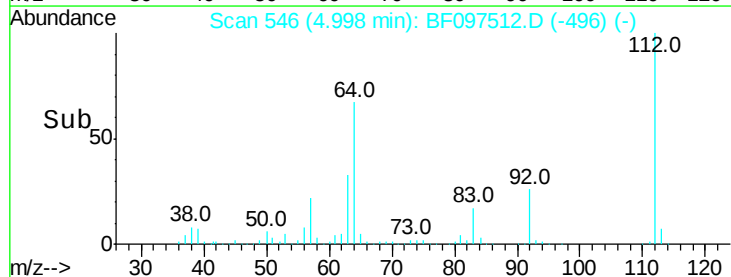
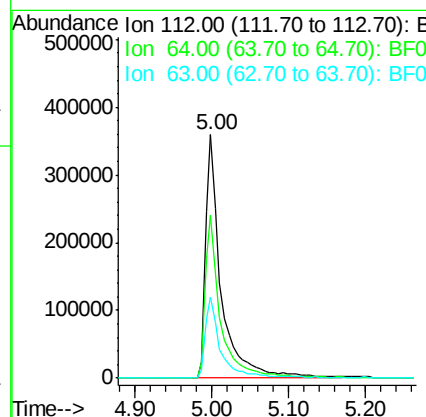
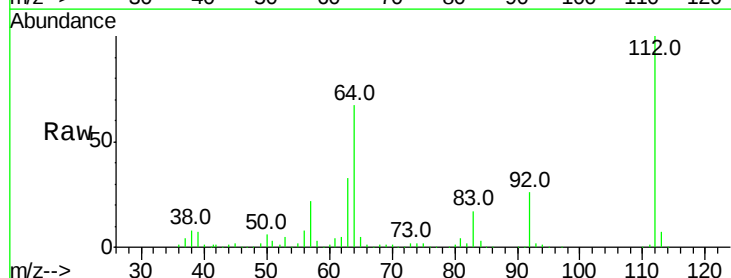
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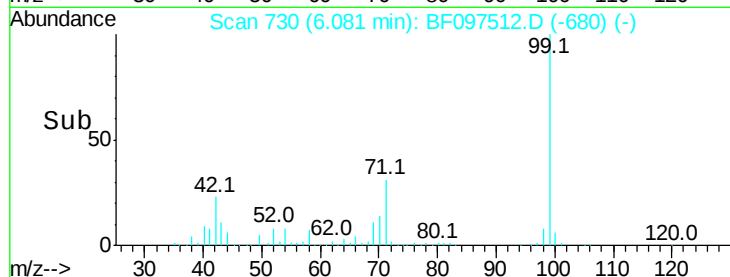
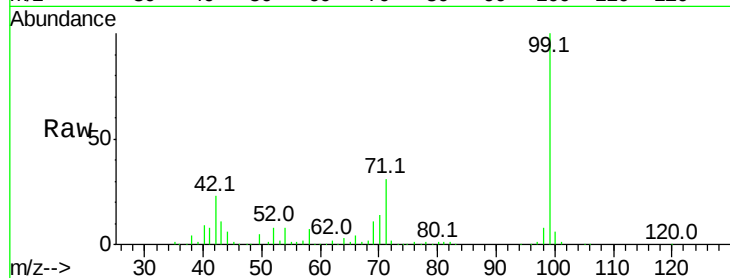
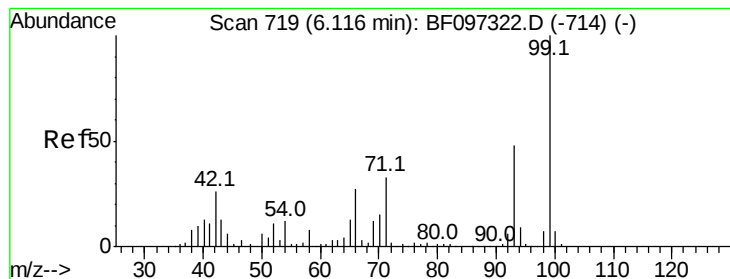
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#5
 2-Fluorophenol
 Concen: 41.675 ng
 RT: 5.00 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF097512.D
 Acq: 9 Aug 2017 12:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	46.0	69.0
63	33.3	23.4	35.0





#7

Phenol-d6

Concen: 44.836 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Tot Ion:	99	Resp:	625042
Ion Ratio	Lower	Upper	
99	100		
42	22.5	13.5	20.3#
71	30.8	24.5	36.7

Instrument :

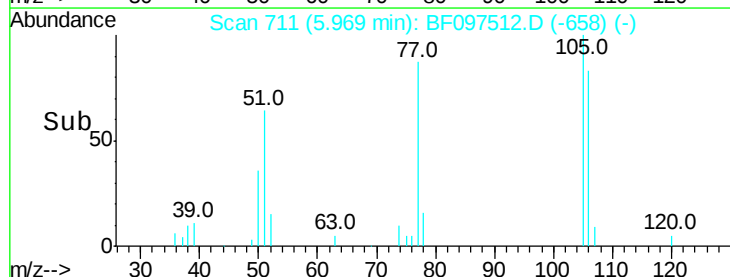
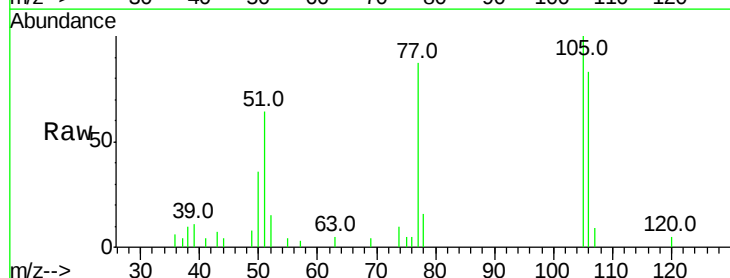
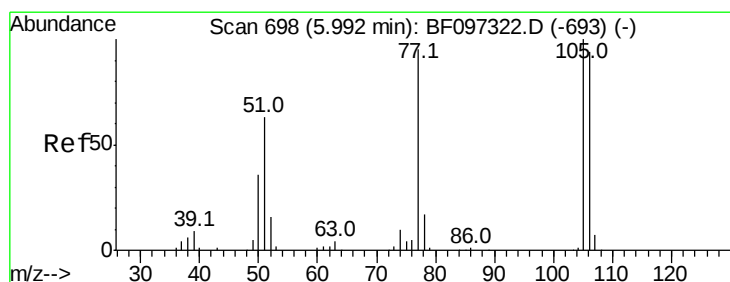
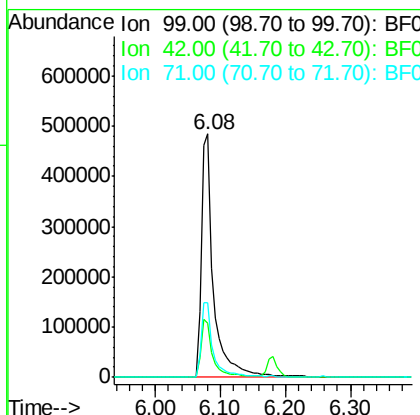
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ClientSampleId :

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#9

Benzaldehyde

Concen: 2.387 ng

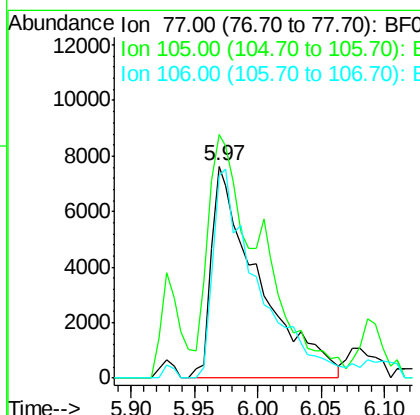
RT: 5.97 min Scan# 711

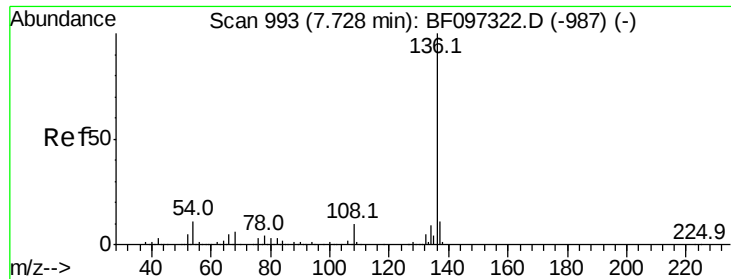
Delta R.T. 0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Tgt Ion:	77	Resp:	19695
Ion Ratio	Lower	Upper	
77	100		
105	115.1	83.8	123.8
106	95.7	79.1	119.1





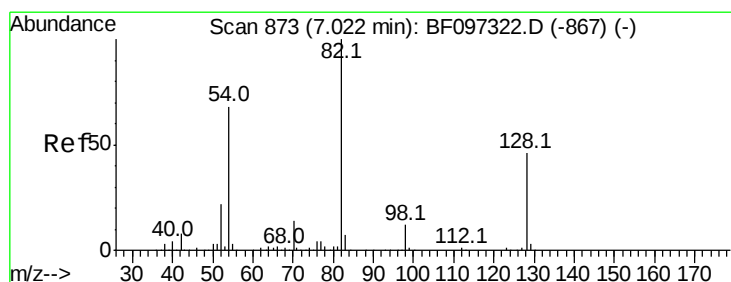
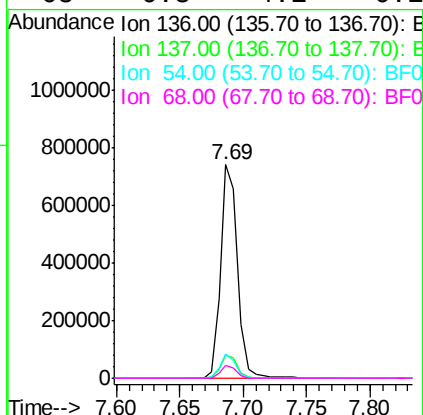
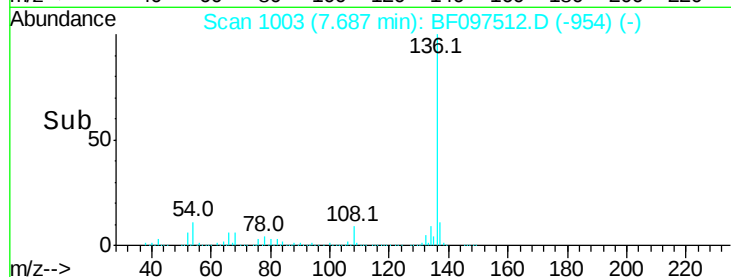
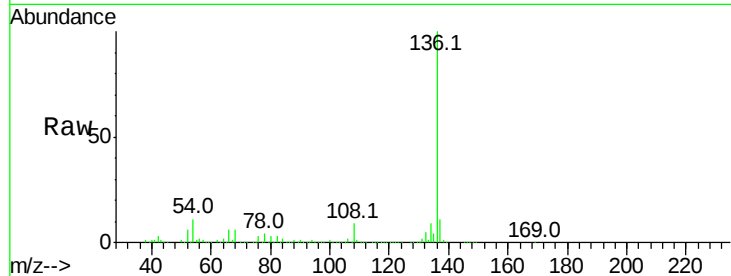
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.69 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Instrument :
BNA_F
ClientSampleId :
E2-N9-BASERE

Tot Ion	Ratio	Resp	Lower	Upper
136	100	695045		
137	11.1	8.5	12.7	
54	11.4	4.9	7.3	
68	6.3	4.1	6.1	

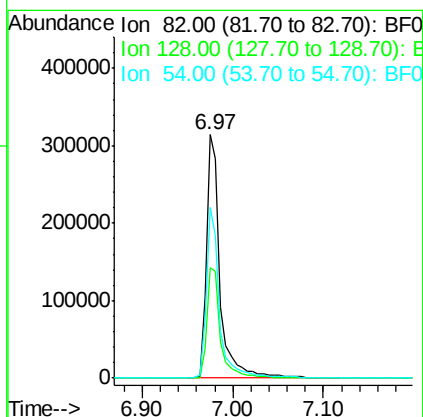
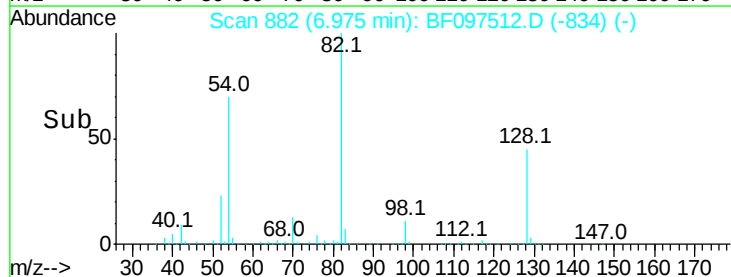
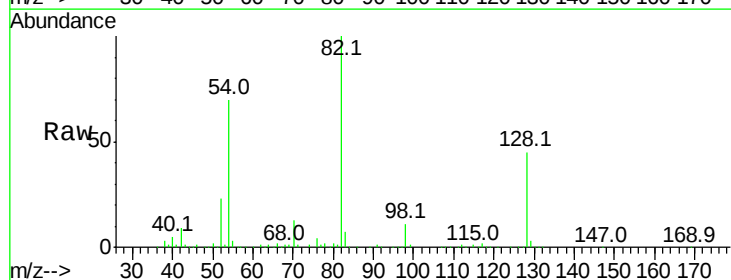
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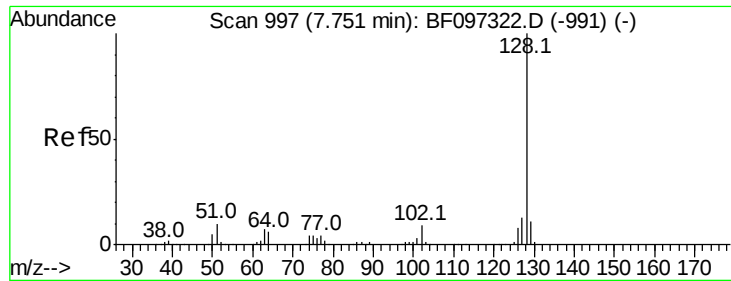
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#23
Nitrobenzene-d5
Concen: 28.278 ng
RT: 6.97 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	335039		
128	45.2	34.0	51.0	
54	70.3	42.2	63.2	





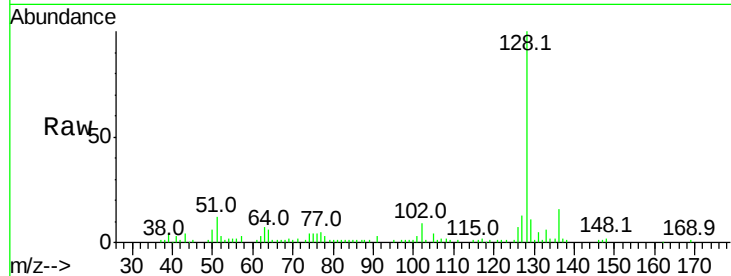
#31
Naphthalene
Concen: 2.315 ng
RT: 7.71 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Instrument :
BNA_F
ClientSampleId :
E2-N9-BASERE

Tot Ion	Ratio	Resp	Lower	Upper
128	100	75857		
129	10.8		9.0	13.6
127	12.5		10.8	16.2

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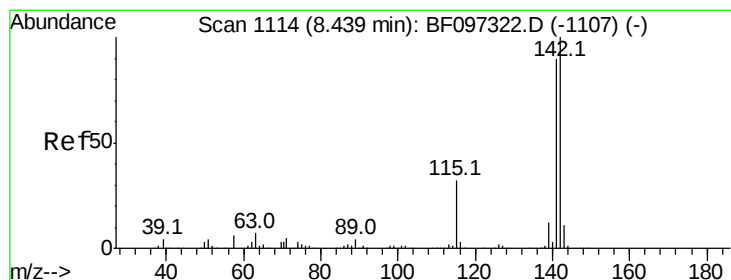
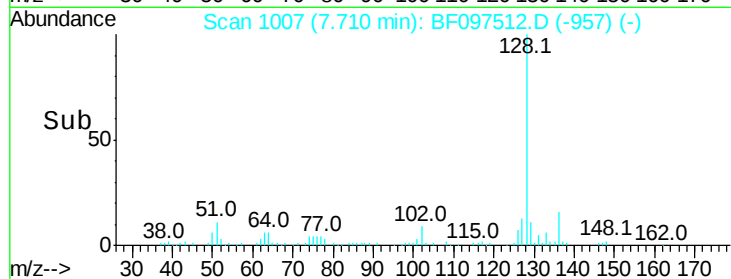
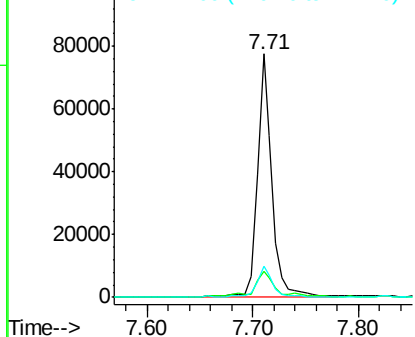


Abundance

Ion 128.00 (127.70 to 128.70): E

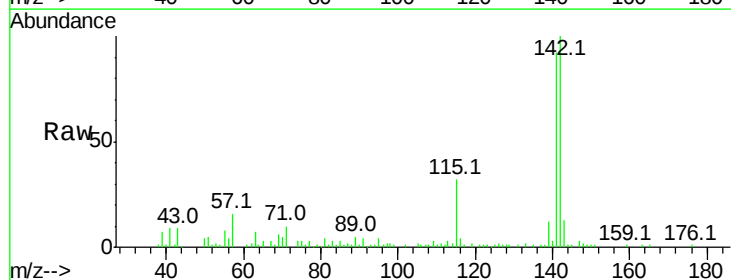
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37
2-Methylnaphthalene
Concen: 2.898 ng
RT: 8.40 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	60122		
141	91.6		71.3	106.9
115	31.7		27.1	40.7

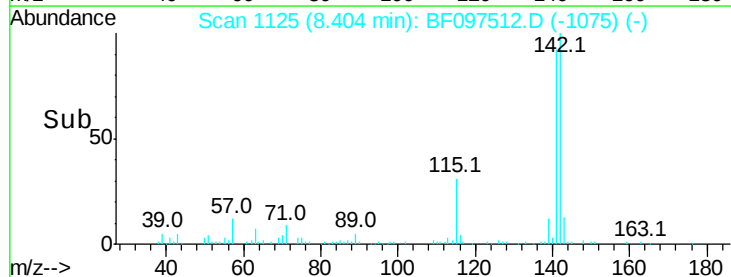
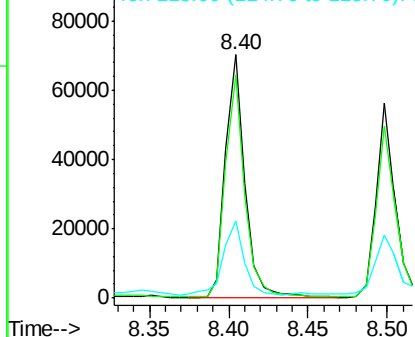


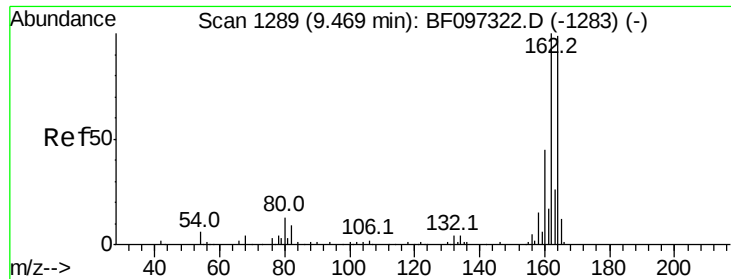
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





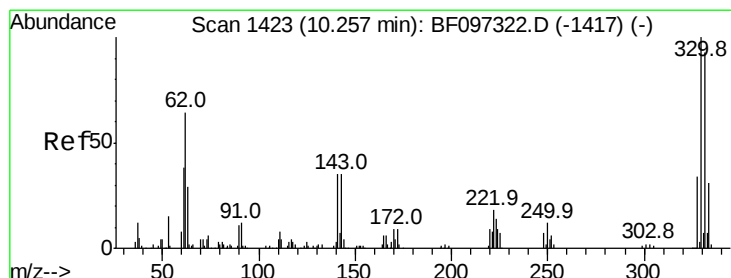
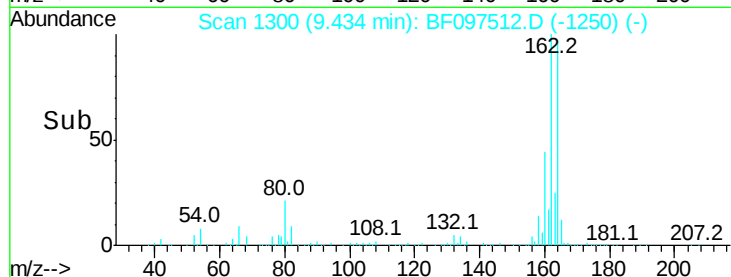
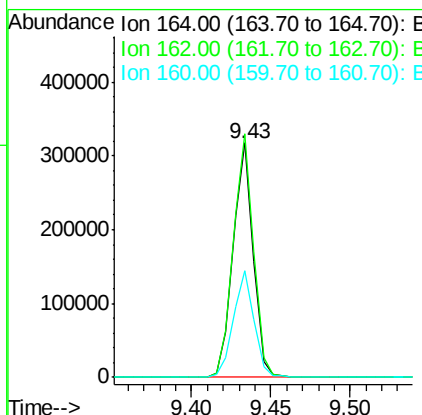
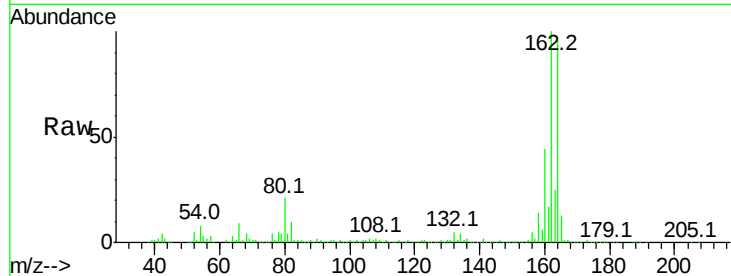
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF097512.D
 Acq: 9 Aug 2017 12:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-N9-BASERE

Tot Ion	Ratio	Resp	Lower	Upper
164	100	279518		
162	103.9	82.6	123.8	
160	45.8	36.2	54.2	

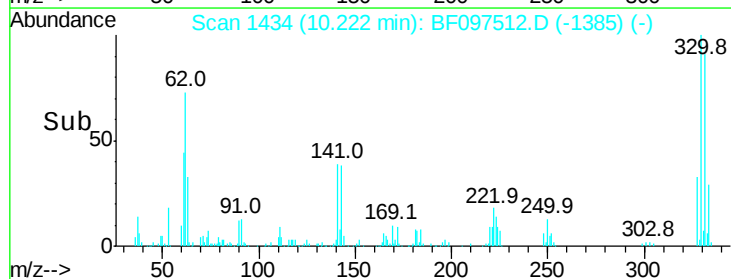
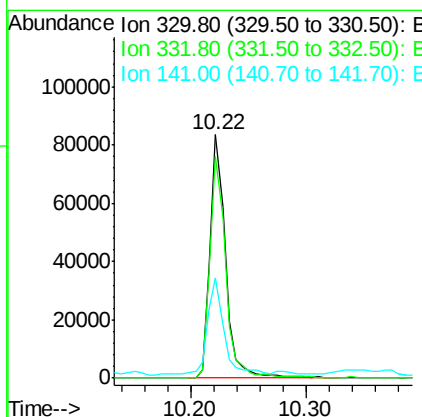
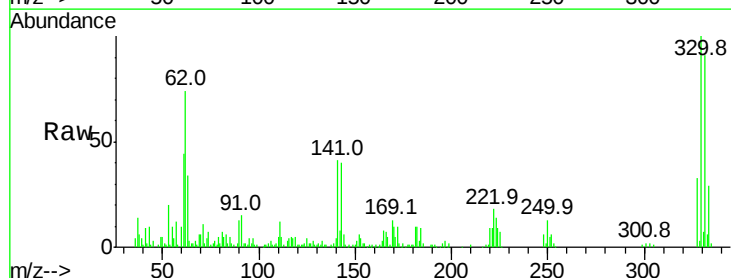
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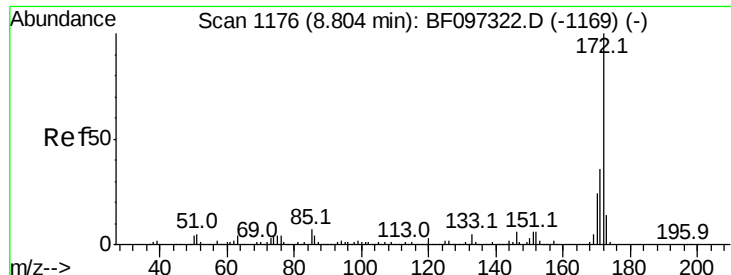
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#41
 2,4,6-Tribromophenol
 Concen: 35.541 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097512.D
 Acq: 9 Aug 2017 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	78490		
332	93.0	76.6	115.0	
141	44.4	31.4	47.2	





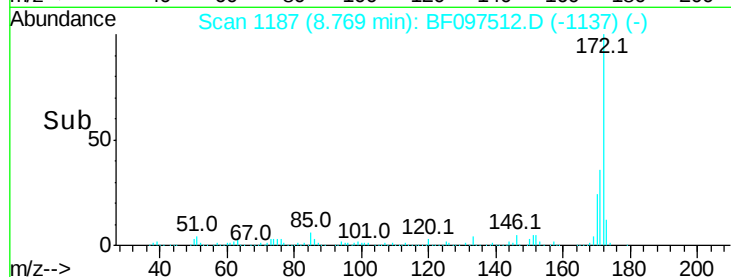
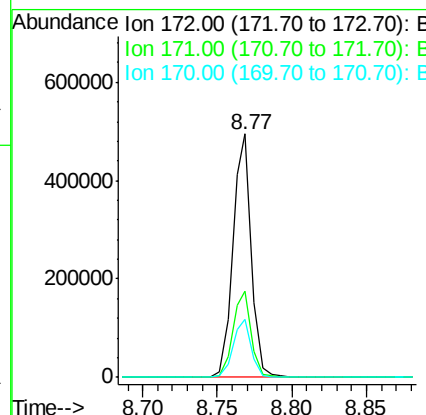
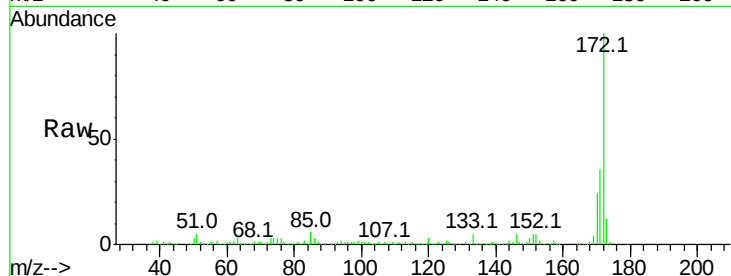
#44
2-Fluorobiphenyl
Concen: 26.293 ng
RT: 8.77 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Instrument :
BNA_F
ClientSampleId :
E2-N9-BASERE

Tot Ion	Ratio	Resp	Lower	Upper
172	100	433049		
171	35.6		29.6	44.4
170	23.9		19.8	29.8

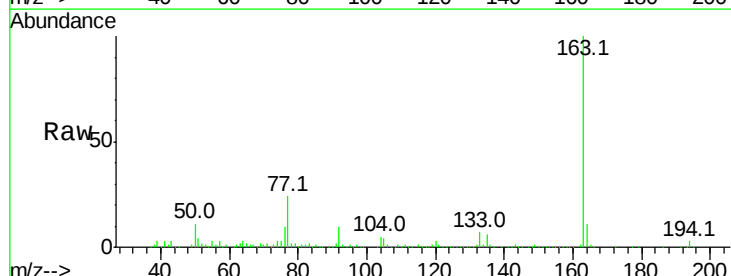
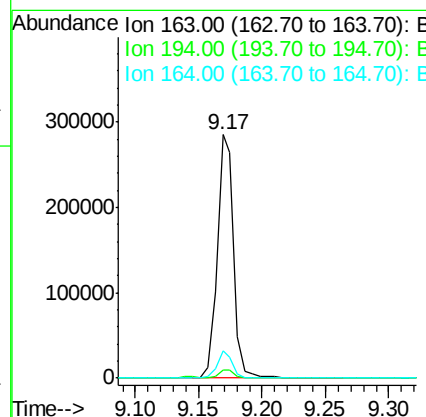
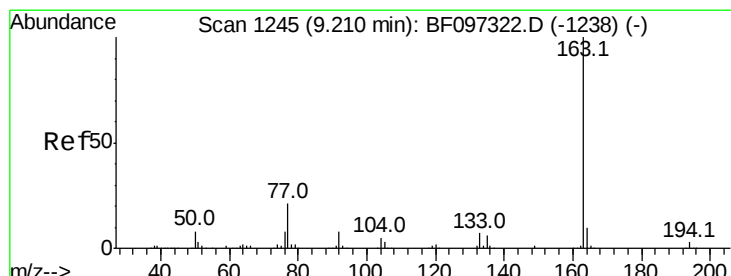
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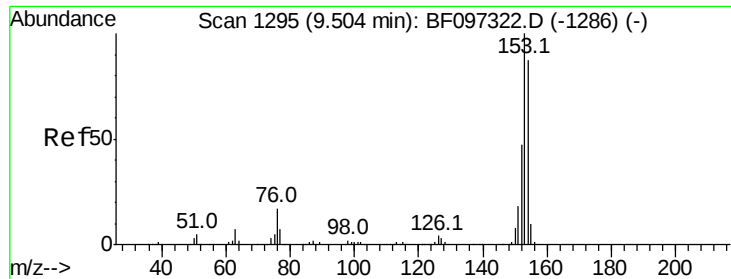
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#49
Dimethylphthalate
Concen: 12.108 ng
RT: 9.17 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	257002		
194	3.1		2.6	4.0
164	11.1		8.4	12.6





#51

Acenaphthene

Concen: 2.210 ng

RT: 9.46 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Instrument :

BNA_F

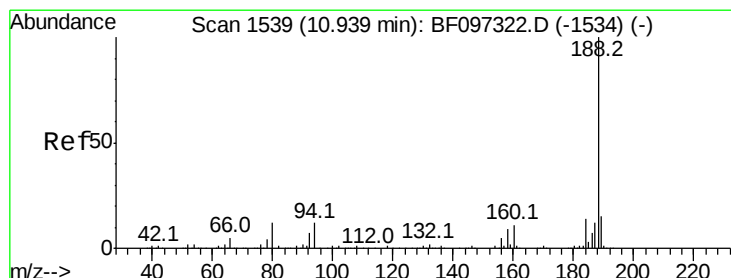
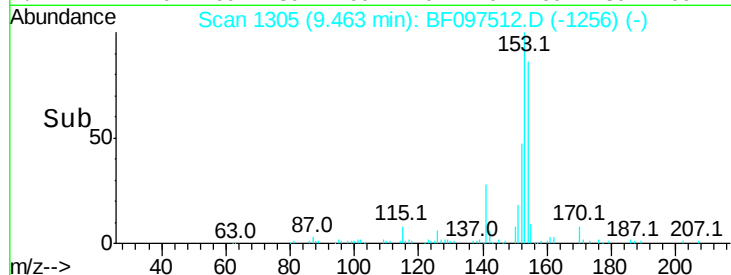
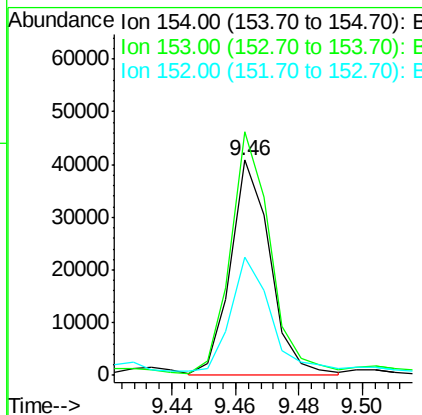
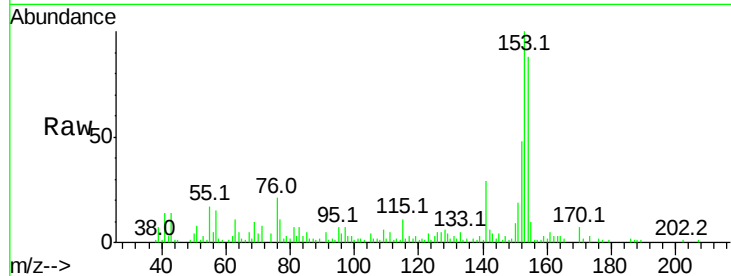
ClientSampleId :

E2-N9-BASERE

Tot Ion:154	Resp:	35098
Ion Ratio	Lower	Upper
154	100	
153	113.3	90.5 135.7
152	54.9	43.6 65.4

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

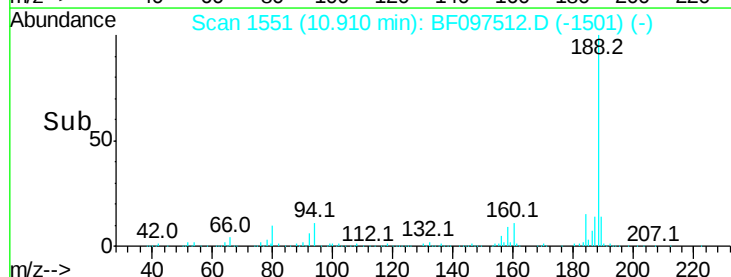
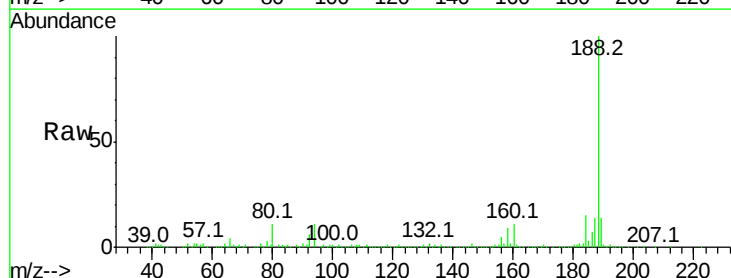
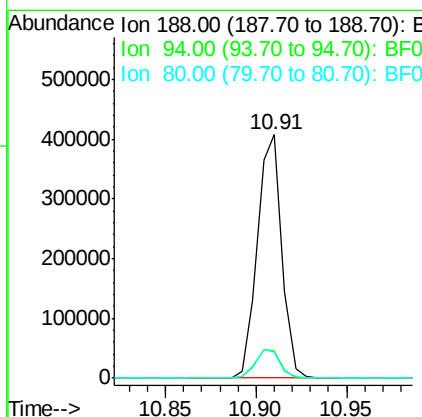
RT: 10.91 min Scan# 1551

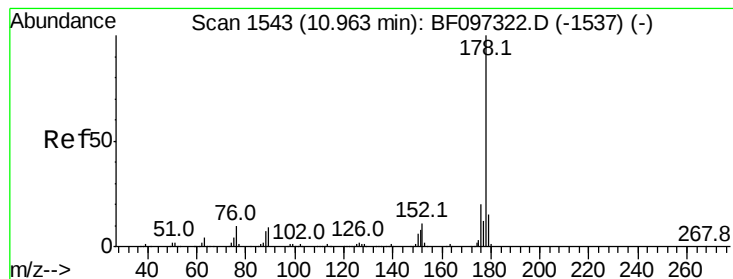
Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Tgt Ion:188	Resp:	380718
Ion Ratio	Lower	Upper
188	100	
94	11.2	9.4 14.2
80	10.6	10.2 15.2





#70

Phenanthrene

Concen: 10.722 ng

RT: 10.93 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Instrument :

BNA_F

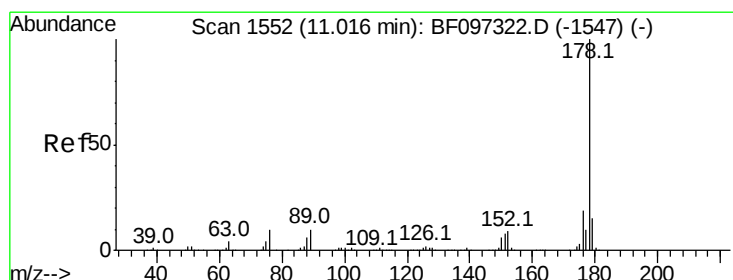
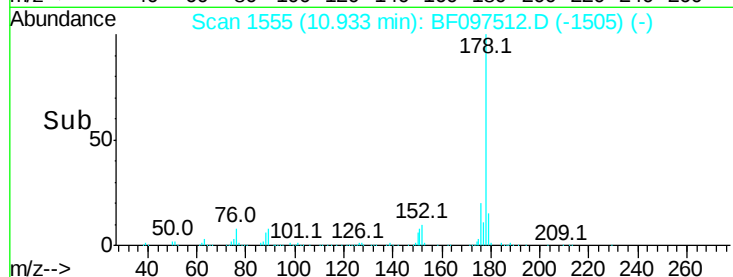
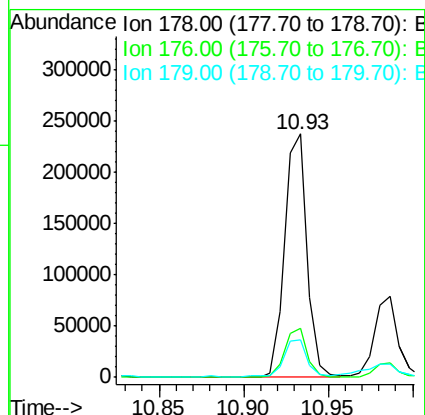
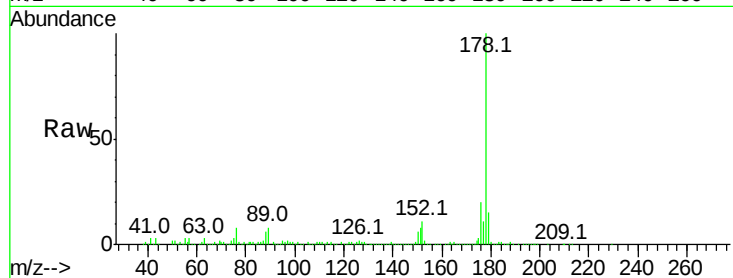
ClientSampleId :

E2-N9-BASERE

Tot Ion:178	Resp:	218725
Ion Ratio	Lower	Upper
178	100	
176	20.1	16.2 24.4
179	15.5	12.6 19.0

Manual Integrations
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#71

Anthracene

Concen: 3.429 ng

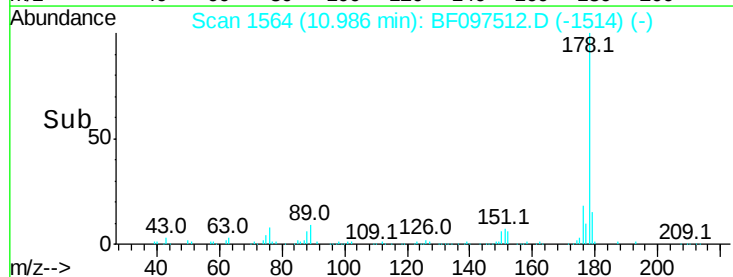
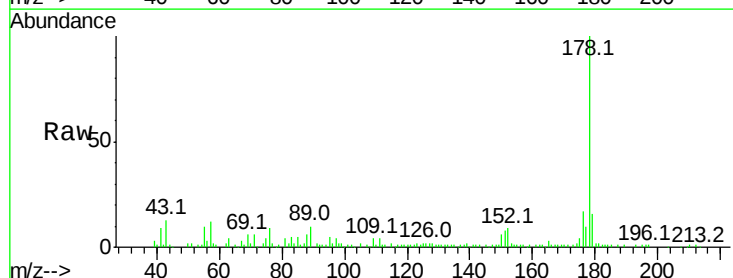
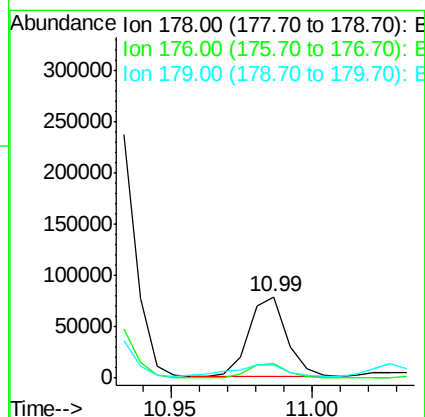
RT: 10.99 min Scan# 1564

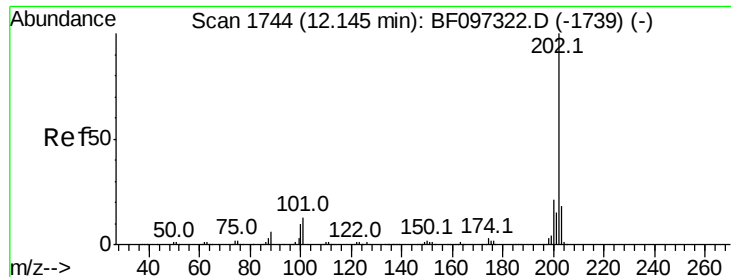
Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Tgt Ion:178	Resp:	71641
Ion Ratio	Lower	Upper
178	100	
176	17.4	15.8 23.8
179	15.7	12.7 19.1





#74

Fluoranthene

Concen: 17.733 ng

RT: 12.11 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Instrument :

BNA_F

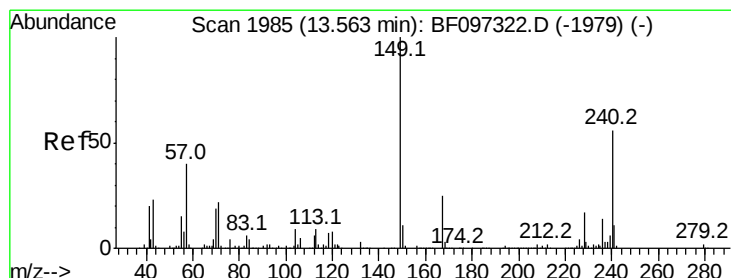
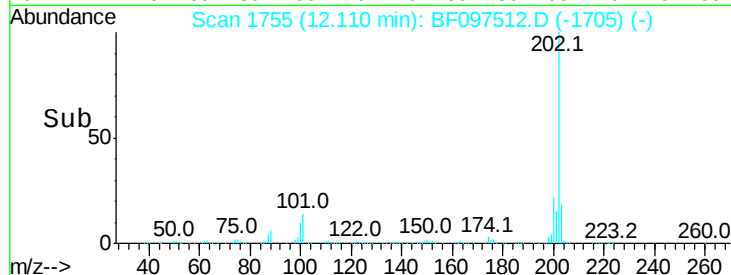
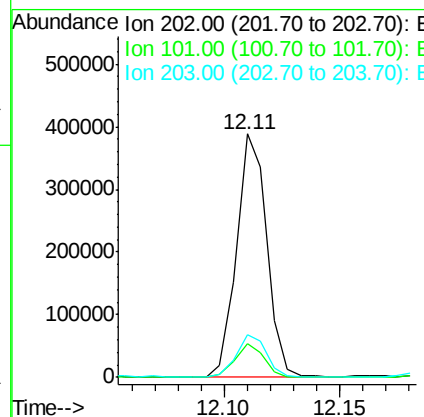
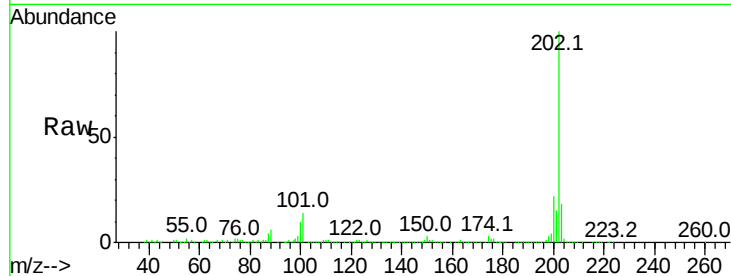
ClientSampleId :

E2-N9-BASERE

Tot Ion:	202	Resp:	354369
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	33.2
203	17.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

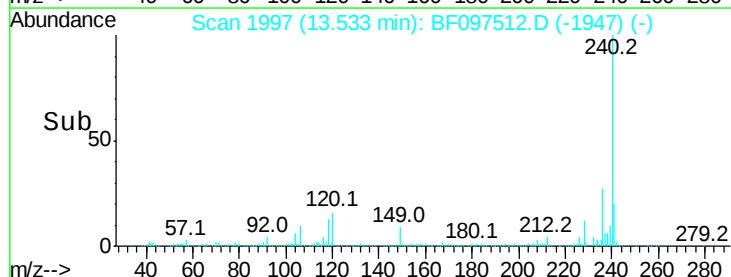
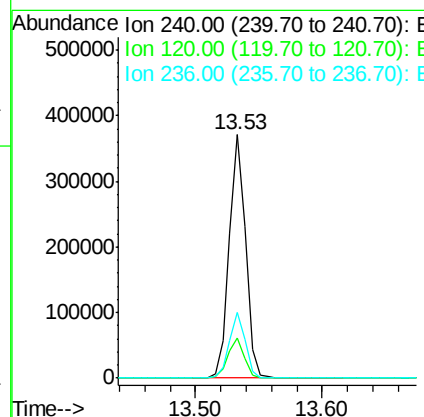
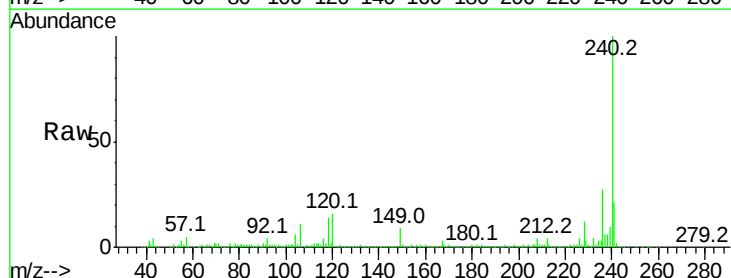
RT: 13.53 min Scan# 1997

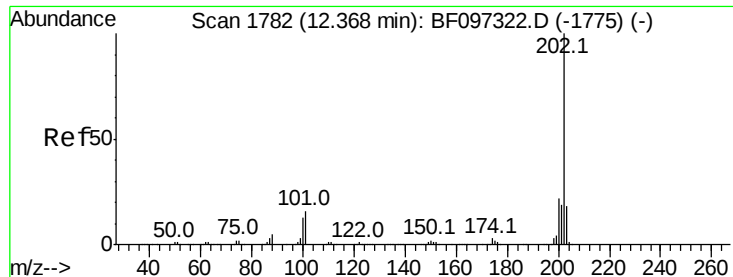
Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Tgt Ion:	240	Resp:	334260
Ion Ratio	Lower	Upper	
240	100		
120	16.4	5.8	8.8#
236	26.8	20.5	30.7





#77

Pvrene

Concen: 13.509 ng

RT: 12.34 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Instrument :

BNA_F

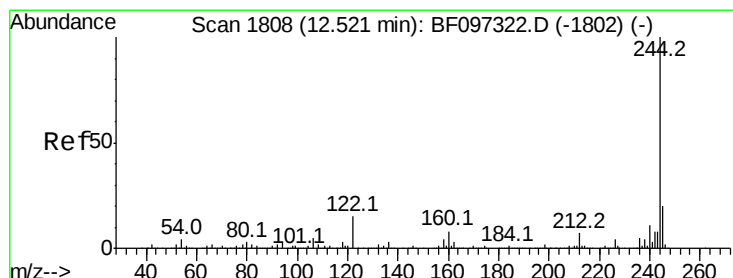
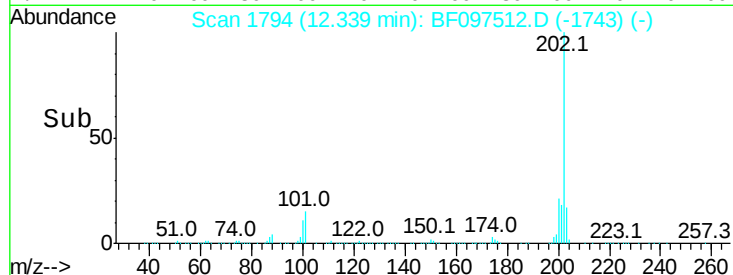
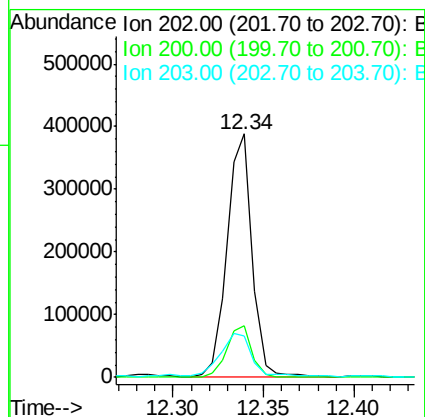
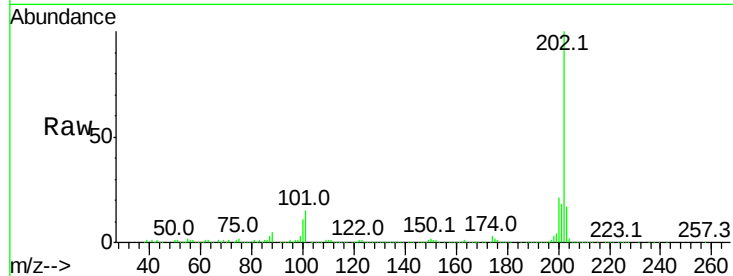
ClientSampleId :

E2-N9-BASERE

Tot Ion:	202	Resp:	369675
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.6	26.4
203	17.2	14.4	21.6

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#78

Terphenyl-d14

Concen: 18.034 ng

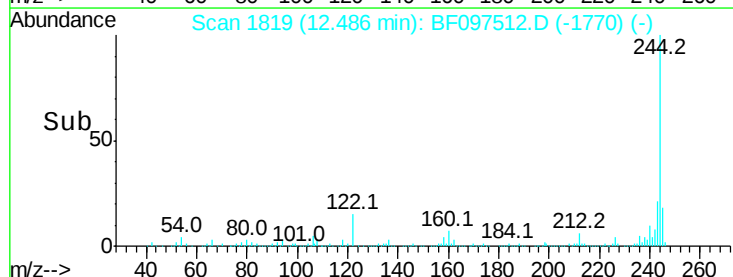
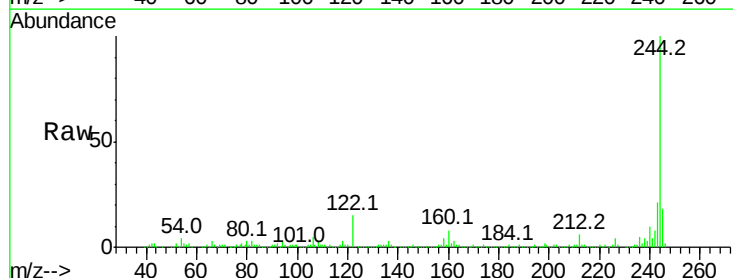
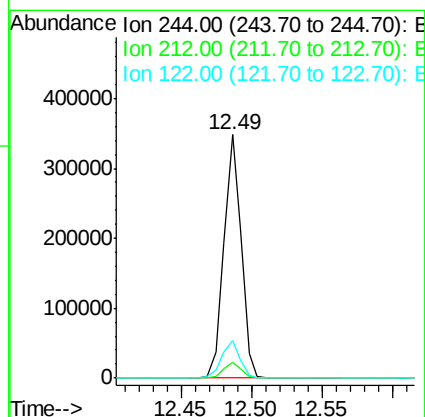
RT: 12.49 min Scan# 1819

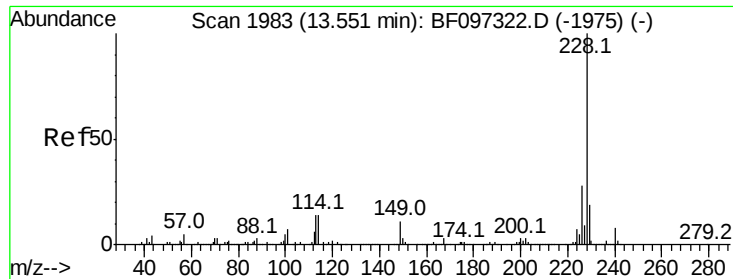
Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Tgt Ion:	244	Resp:	295663
Ion Ratio		Lower	Upper
244	100		
212	6.4	6.0	9.0
122	15.3	10.3	15.5





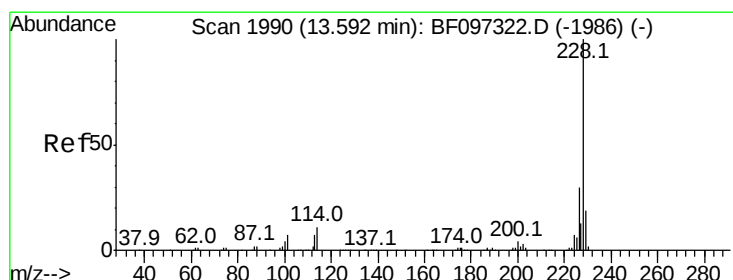
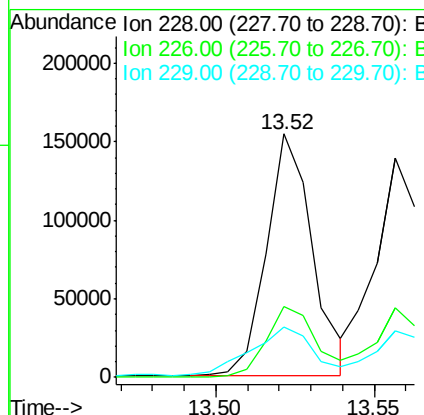
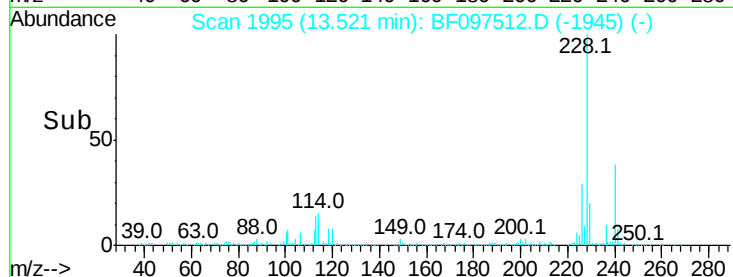
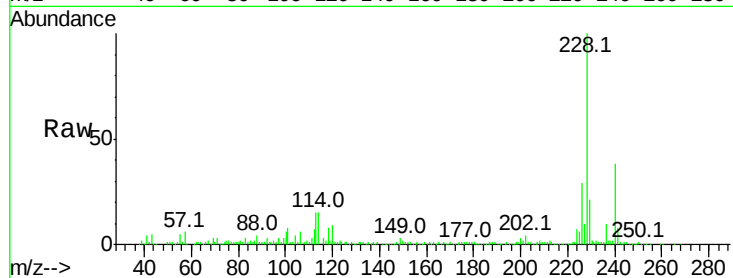
#80
Benzo(a)anthracene
Concen: 7.225 ng
RT: 13.52 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Instrument :
BNA_F
ClientSampleId :
E2-N9-BASERE

Tot Ion	Ratio	Resp	Lower	Upper
228	100	156269		
226	29.3		22.6	33.8
229	20.6		16.3	24.5

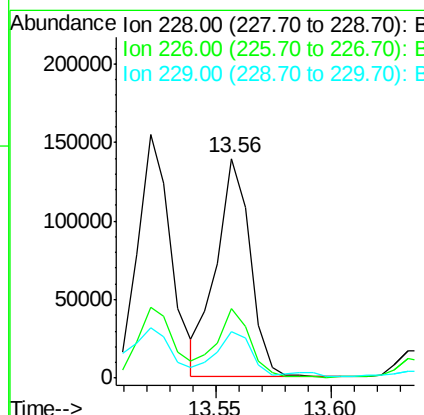
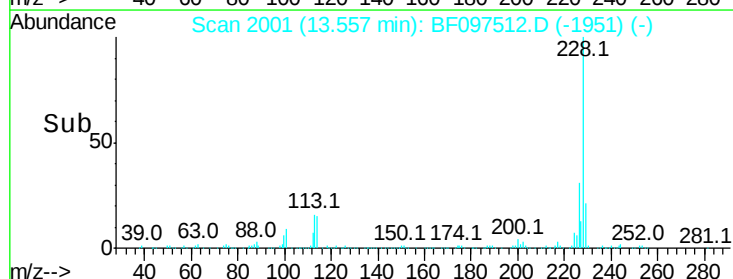
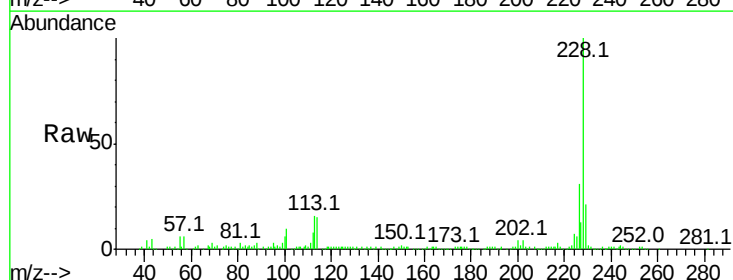
Manual Integrations
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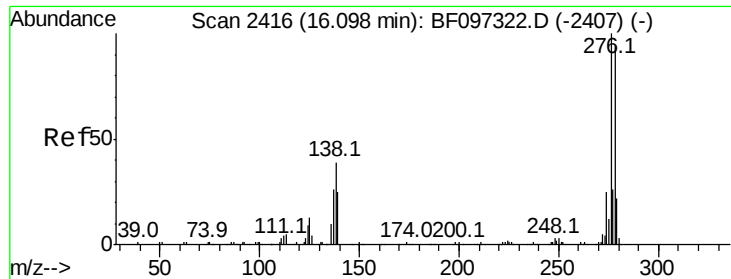
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#82
Chrysene
Concen: 6.702 ng
RT: 13.56 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	141541		
226	31.4		24.9	37.3
229	21.3		15.8	23.6





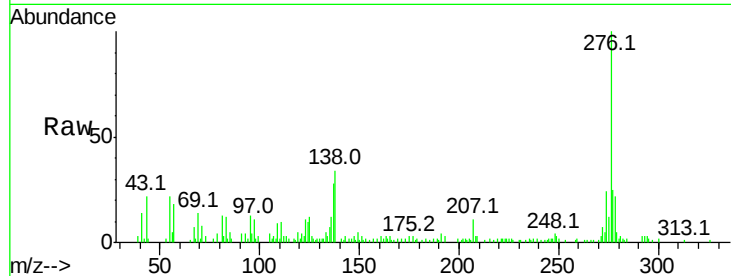
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.624 ng
RT: 16.07 min Scan# 2428
Delta R.T. 0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Instrument :
BNA_F
ClientSampleId :
E2-N9-BASERE

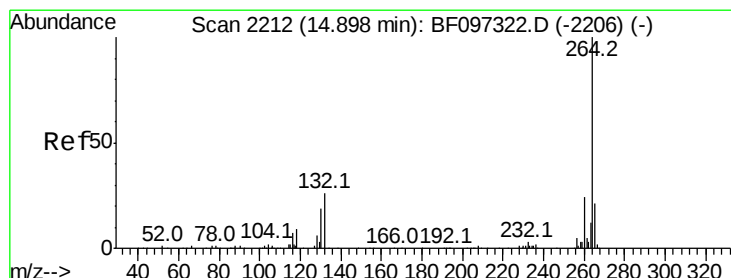
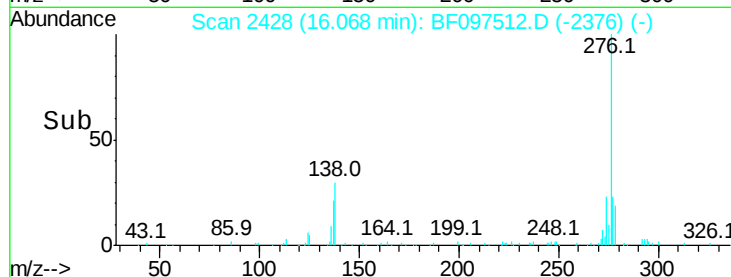
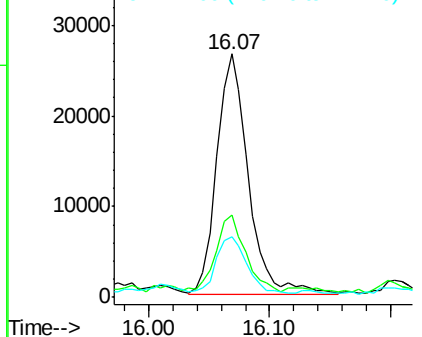
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.8	27.8	41.6
277	24.2	20.2	30.4

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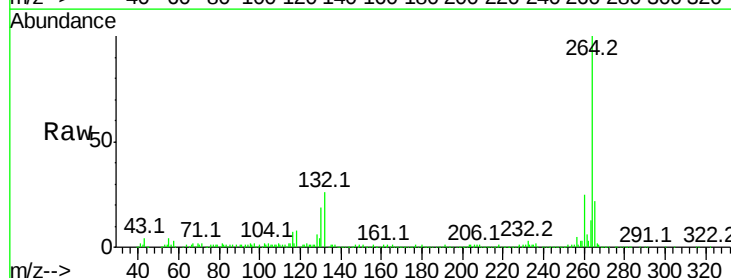


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

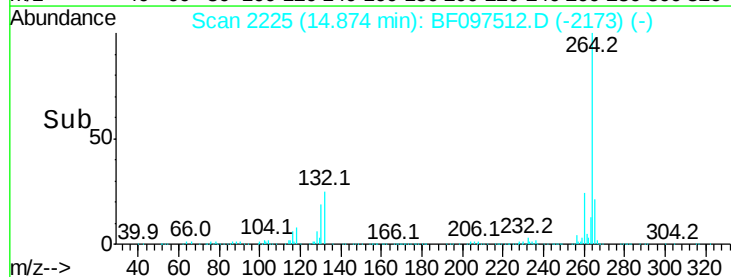
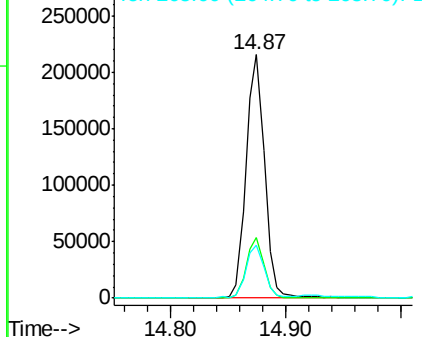


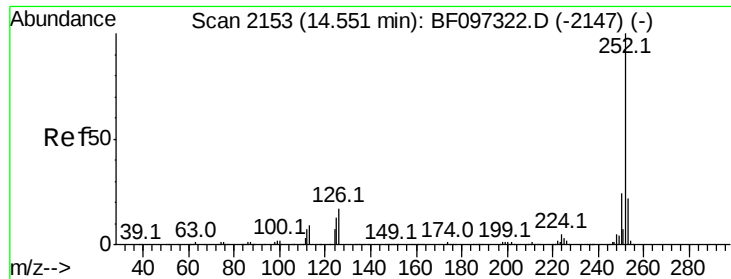
#86
Perylene-d12
Concen: 20.000 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.6	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: 9.729 ng m

RT: 14.53 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Instrument :

BNA_F

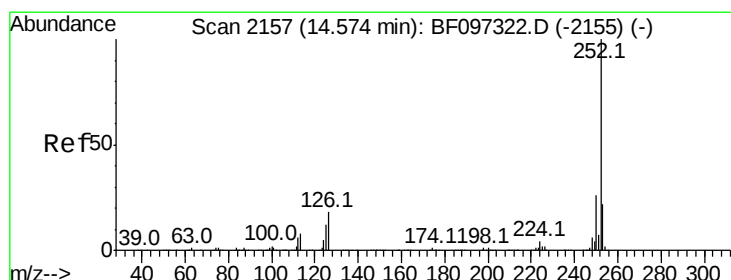
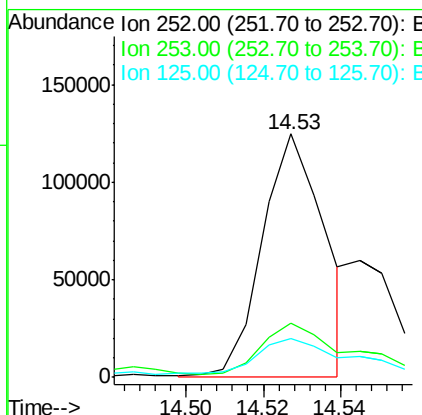
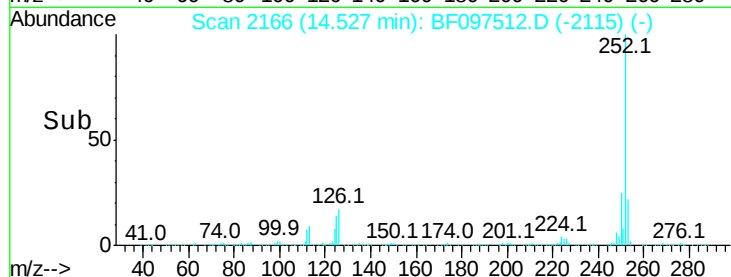
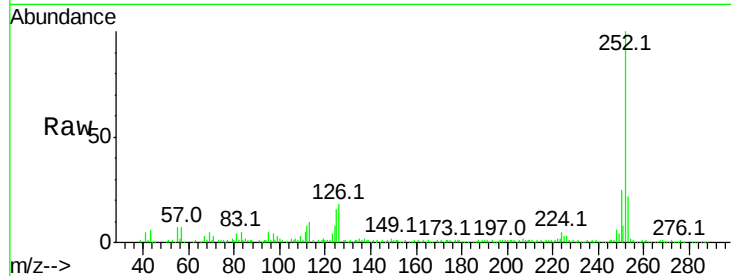
ClientSampleId :

E2-N9-BASERE

Tot Ion:	252	Resp:	140119
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	15.8	9.8	14.8#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.799 ng m

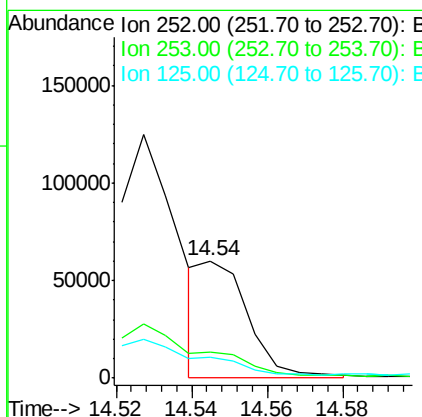
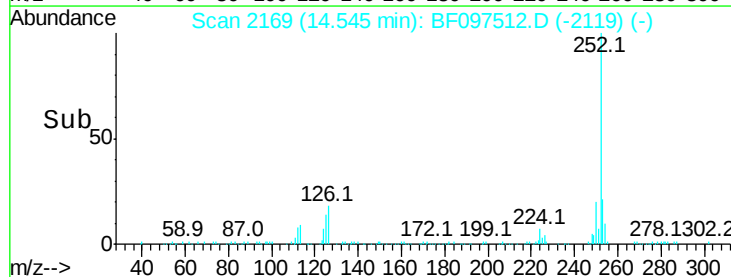
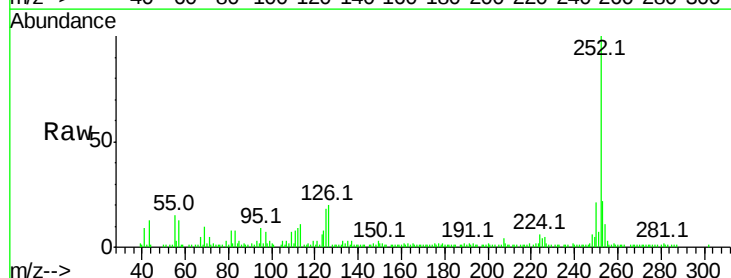
RT: 14.54 min Scan# 2169

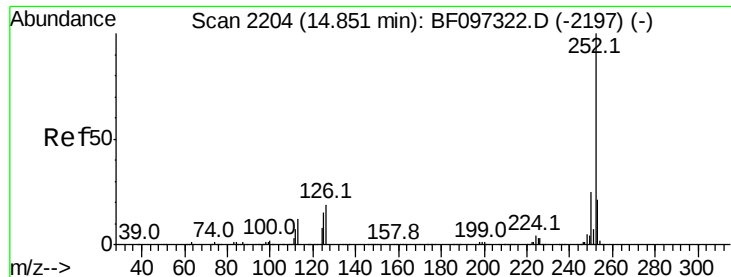
Delta R.T. -0.01 min

Lab File: BF097512.D

Acq: 9 Aug 2017 12:14

Tgt Ion:	252	Resp:	52130
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.4	27.6
125	17.6	13.1	19.7





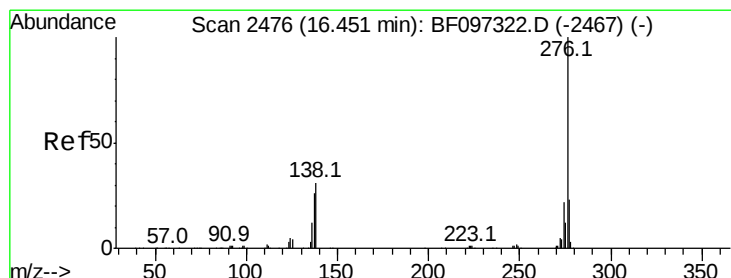
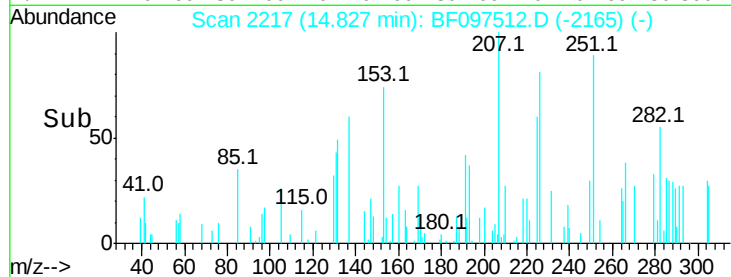
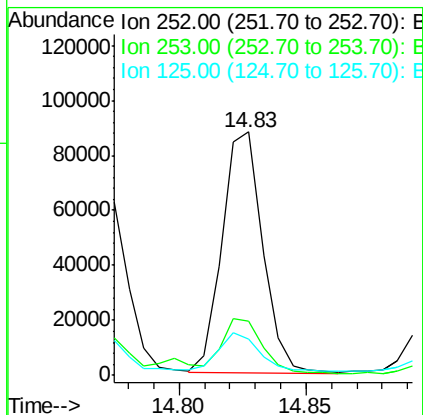
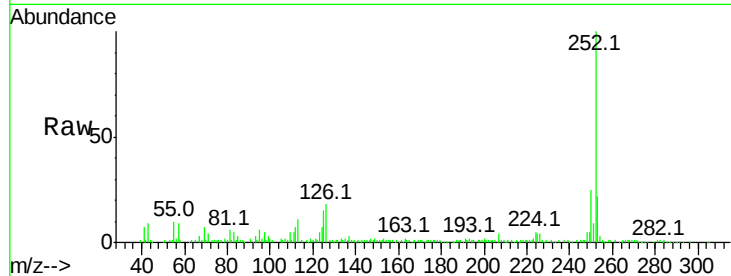
#89
Benzo(a)pyrene
Concen: 7.431 ng
RT: 14.83 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Instrument :
BNA_F
ClientSampled :
E2-N9-BASERE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	15.1	11.0	16.4

Manual Integrations
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Sohil
8/9/2017 7:17:15 PM



#91
Benzo(g,h,i)perylene
Concen: 4.383 ng
RT: 16.42 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF097512.D
Acq: 9 Aug 2017 12:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.6	28.0
138	37.6	25.4	38.0

