

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
 Data File : BF097413.D
 Acq On : 5 Aug 2017 22:39
 Operator : SJ/JU
 Sample : I4614-03 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-ESW

Manual Integrations
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Quant Time: Aug 06 05:16:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.43	152	79238	20.00	ng	-0.07
21) Naphthalene-d8	7.71	136	324171	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	118048	20.00	ng	-0.08
63) Phenanthrene-d10	10.92	188	177553	20.00	ng	-0.08
75) Chrysene-d12	13.54	240	179804	20.00	ng	-0.08
86) Perylene-d12	14.89	264	114086	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	114415	21.77	ng	-0.07
7) Phenol-d6	6.10	99	138222	23.03	ng	-0.06
23) Nitrobenzene-d5	7.00	82	63791	11.54	ng	-0.08
41) 2,4,6-Tribromophenol	10.24	330	20277	21.74	ng	-0.08
44) 2-Fluorobiphenyl	8.79	172	97668	14.04	ng	-0.08
78) Terphenyl-d14	12.50	244	85551	9.70	ng	-0.08
Target Compounds						
48) Acenaphthylene	9.32	152	33739	2.962	ng	97
74) Fluoranthene	12.13	202	31300	3.358	ng	99
77) Pyrene	12.35	202	47752	3.244	ng	99
87) Benzo(b)fluoranthene	14.54	252	24888m	3.629	ng	
89) Benzo(a)pyrene	14.84	252	18680	2.976	ng	# 92
91) Benzo(g,h,i)perylene	16.44	276	34059	6.310	ng	97

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

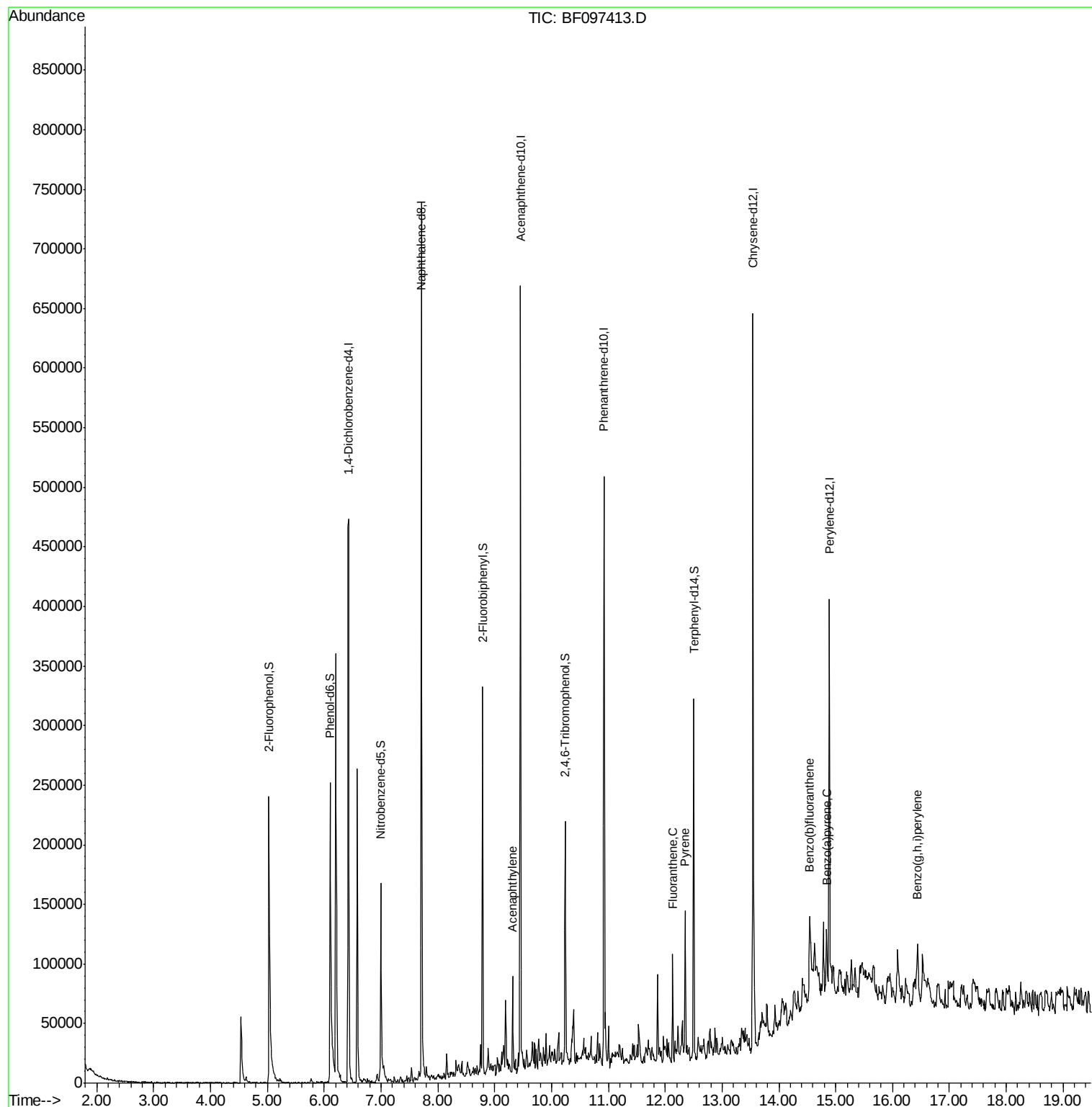
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097413.D
Acq On : 5 Aug 2017 22:39
Operator : SJ/JU
Sample : I4614-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

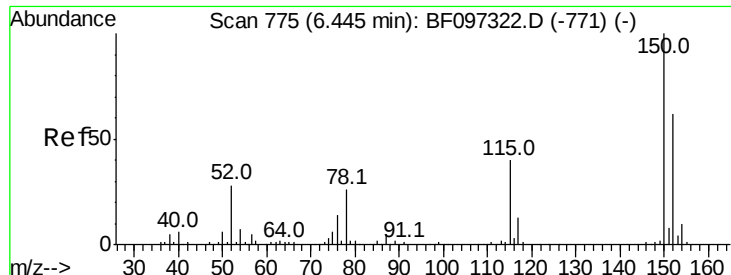
Instrument :
BNA_F
ClientSampleId :
E2-N10-ESW

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Quant Time: Aug 06 05:16:16 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

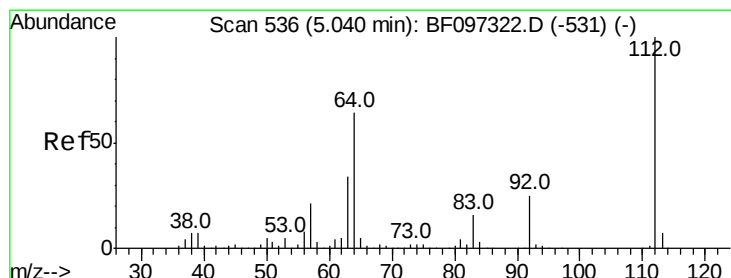
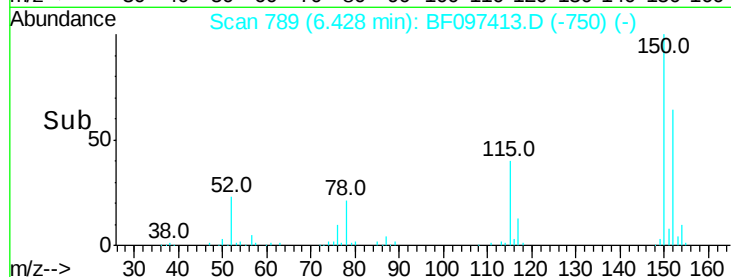
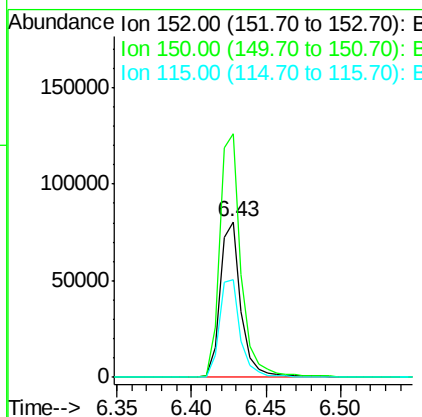
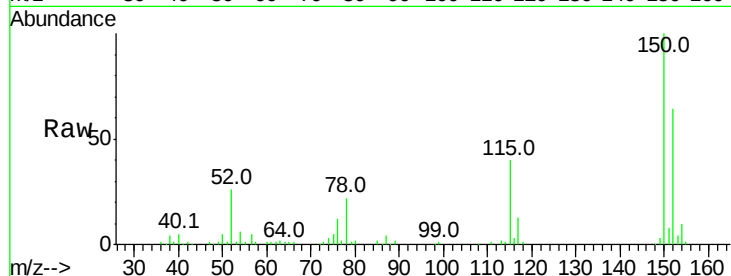
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.43 min Scan# 789
Delta R.T. -0.07 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Instrument :
BNA_F
ClientSampleId :
E2-N10-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.2
115	62.8	52.2	78.2

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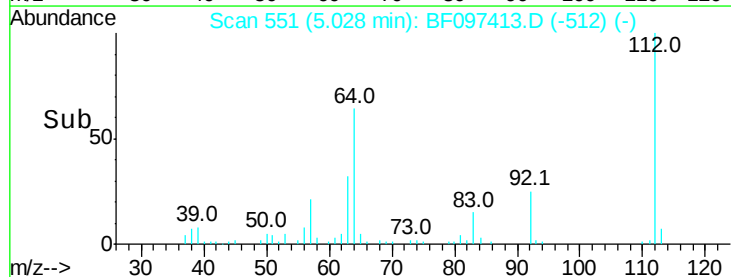
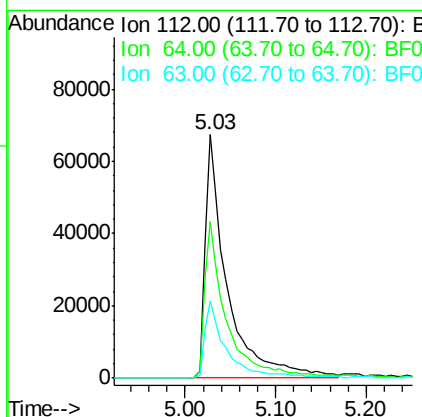
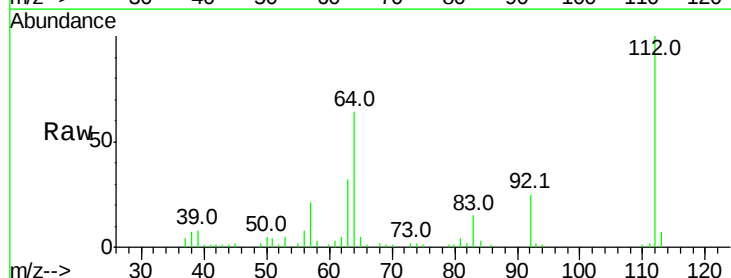
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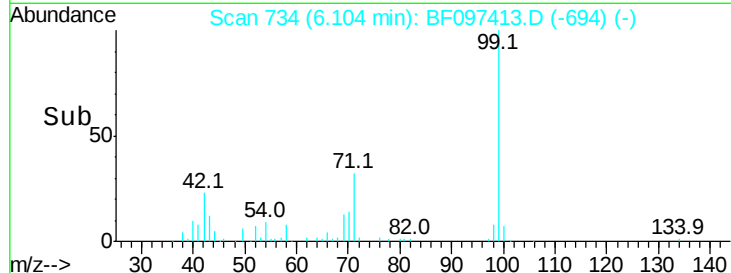
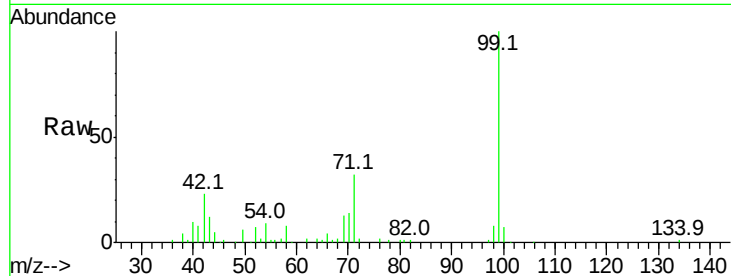
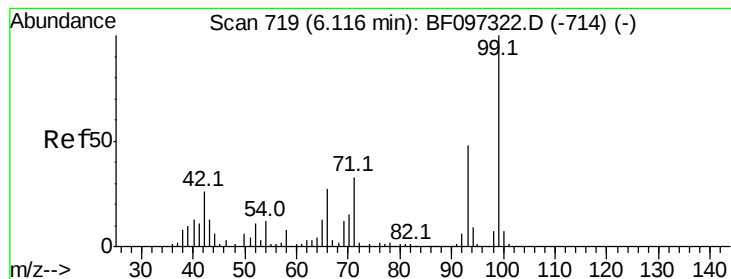


#5

2-Fluorophenol
Concen: 21.767 ng
RT: 5.03 min Scan# 551
Delta R.T. -0.07 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	46.0	69.0
63	31.7	23.4	35.0





#7

Phenol-d6

Concen: 23.034 ng

RT: 6.10 min Scan# 734

Delta R.T. -0.06 min

Lab File: BF097413.D

Acq: 5 Aug 2017 22:39

Tot Ion:	99	Resp:	138222
Ion Ratio	Lower	Upper	
99	100		
42	23.0	13.5	20.3#
71	31.7	24.5	36.7

Instrument :

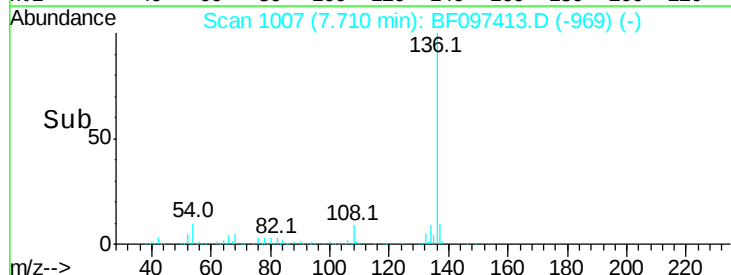
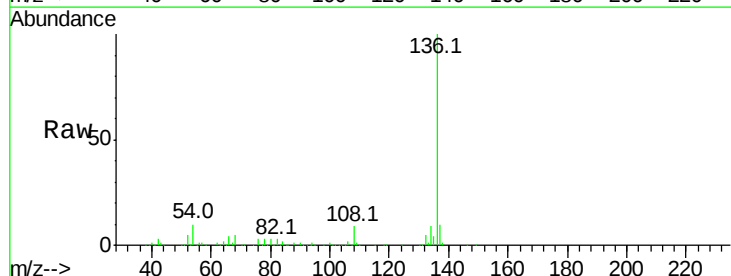
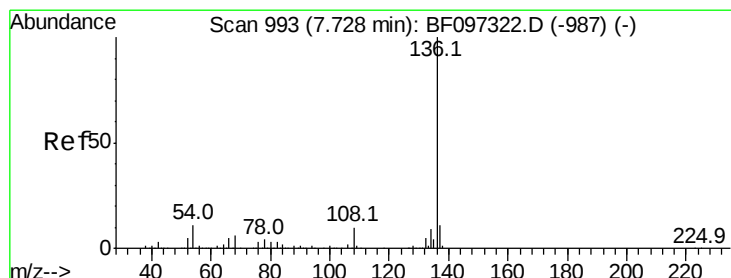
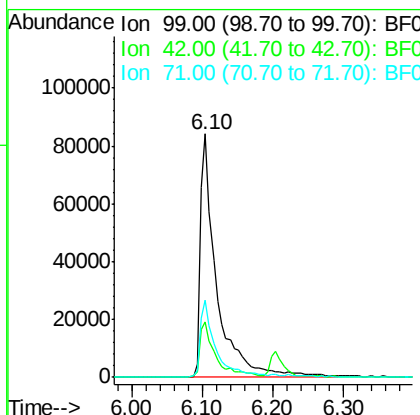
BNA_F

ClientSampled :

E2-N10-ESW

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#21

Naphthalene-d8

Concen: 20.000 ng

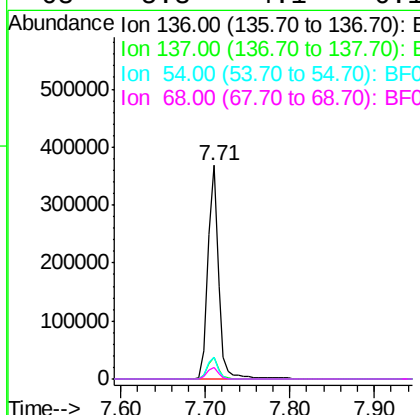
RT: 7.71 min Scan# 1007

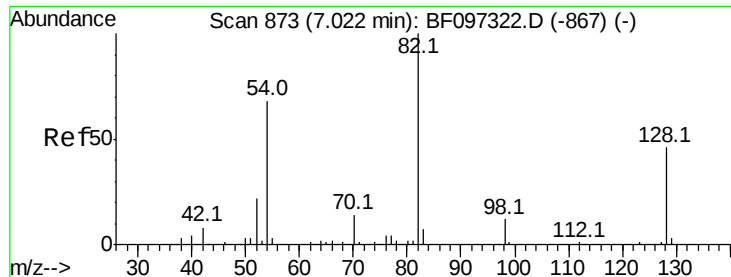
Delta R.T. -0.08 min

Lab File: BF097413.D

Acq: 5 Aug 2017 22:39

Tgt Ion:	136	Resp:	324171
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.5	12.7
54	10.4	4.9	7.3#
68	5.3	4.1	6.1





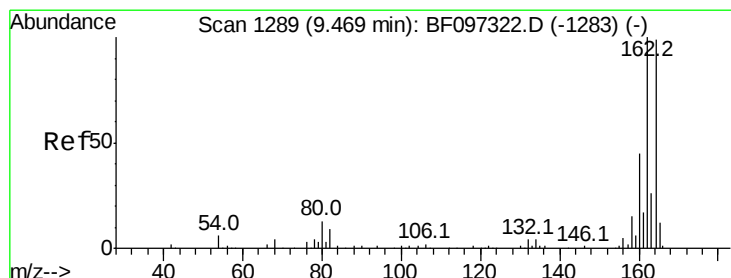
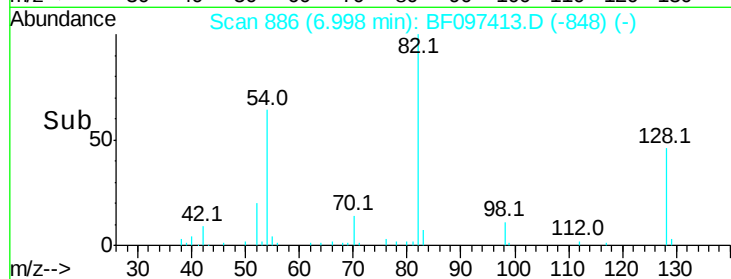
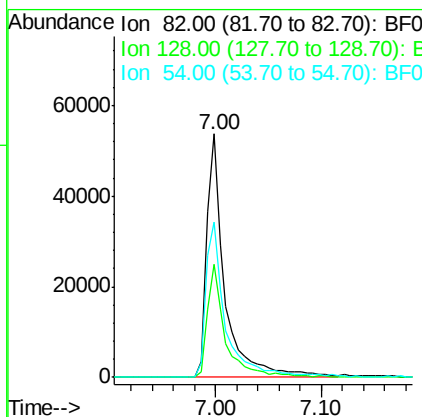
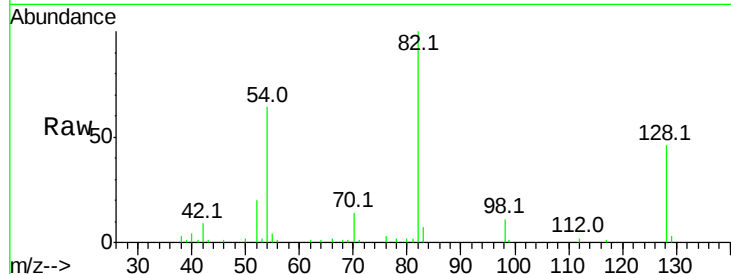
#23
 Nitrobenzene-d5
 Concen: 11.544 ng
 RT: 7.00 min Scan# 886
 Delta R.T. -0.08 min
 Lab File: BF097413.D
 Acq: 5 Aug 2017 22:39

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-ESW

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.0	51.0
54	63.7	42.2	63.2

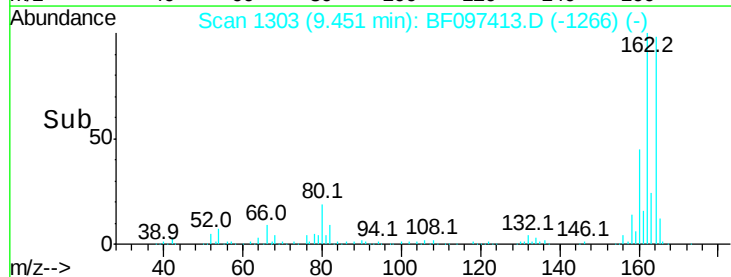
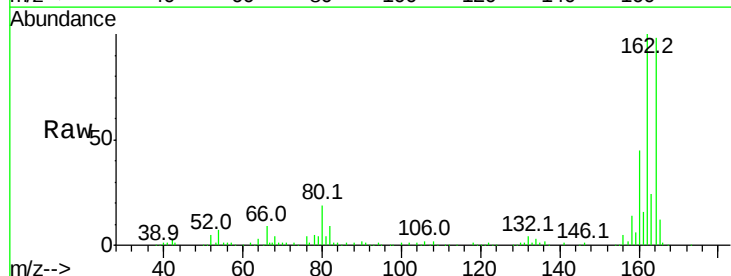
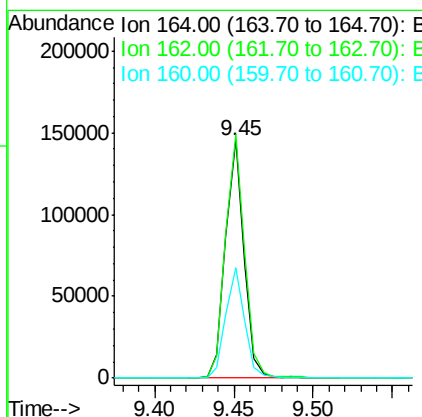
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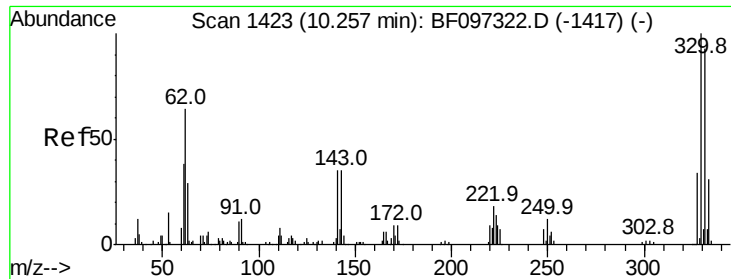
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.45 min Scan# 1303
 Delta R.T. -0.08 min
 Lab File: BF097413.D
 Acq: 5 Aug 2017 22:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.6	123.8
160	46.2	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 21.740 ng

RT: 10.24 min Scan# 1437

Delta R.T. -0.08 min

Lab File: BF097413.D

Acq: 5 Aug 2017 22:39

Instrument :

BNA_F

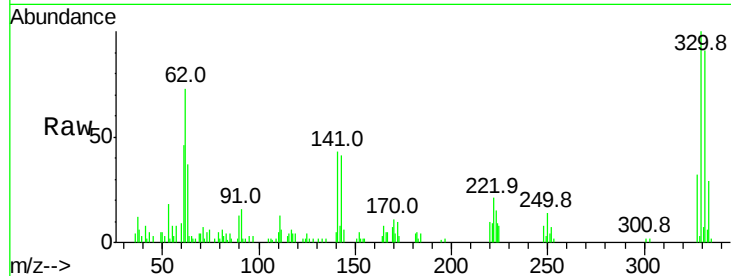
ClientSampleId :

E2-N10-ESW

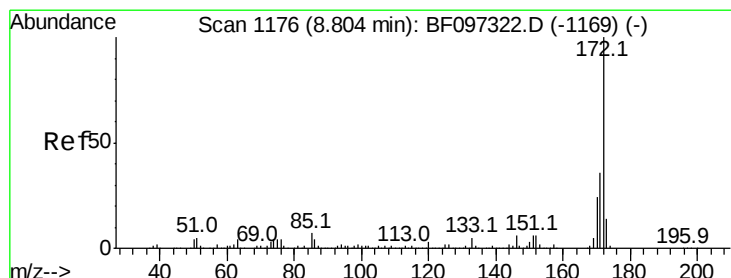
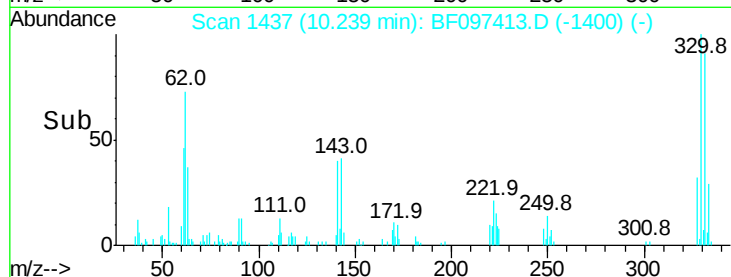
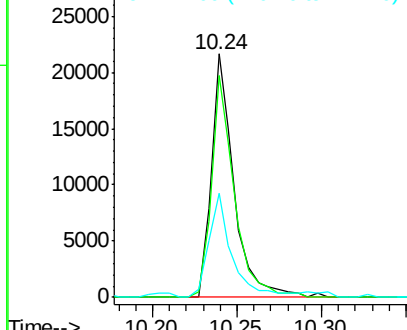
Tot Ion:	330	Resp:	20277
Ion Ratio	Lower	Upper	
330	100		
332	91.8	76.6	115.0
141	44.2	31.4	47.2

Manual Integrations
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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: 14.041 ng

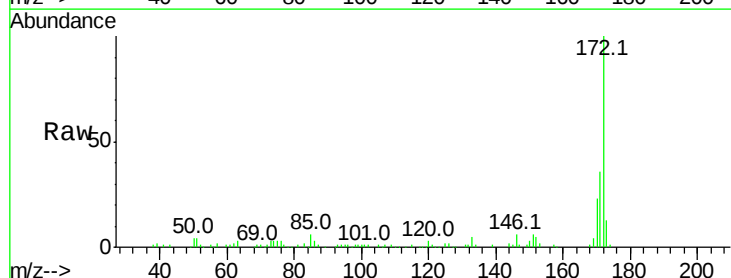
RT: 8.79 min Scan# 1190

Delta R.T. -0.08 min

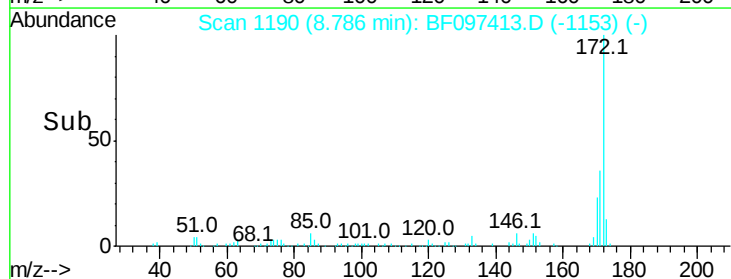
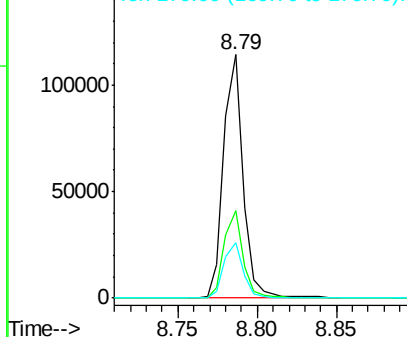
Lab File: BF097413.D

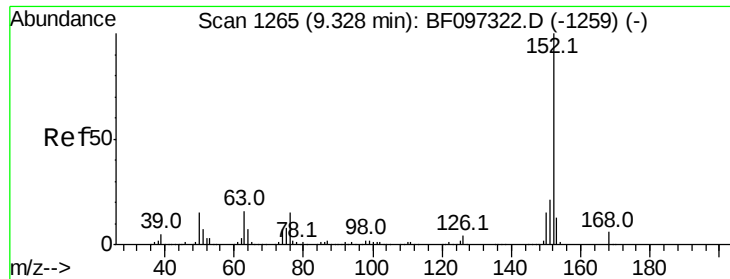
Acq: 5 Aug 2017 22:39

Tgt Ion:	172	Resp:	97668
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.6	44.4
170	22.9	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





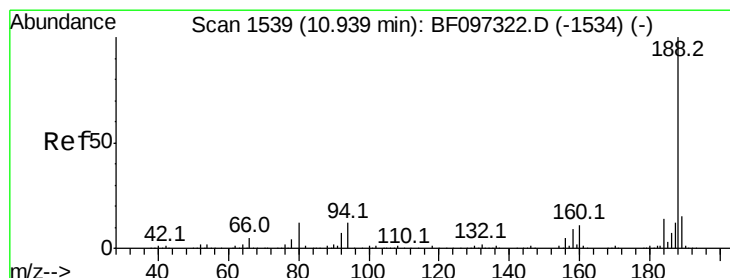
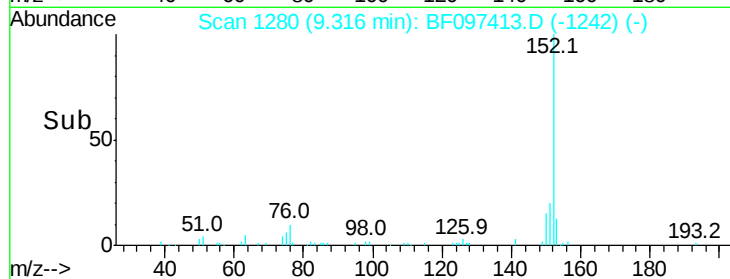
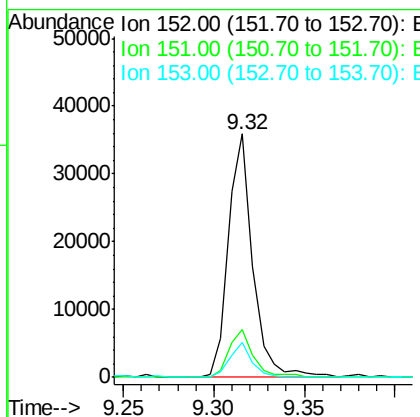
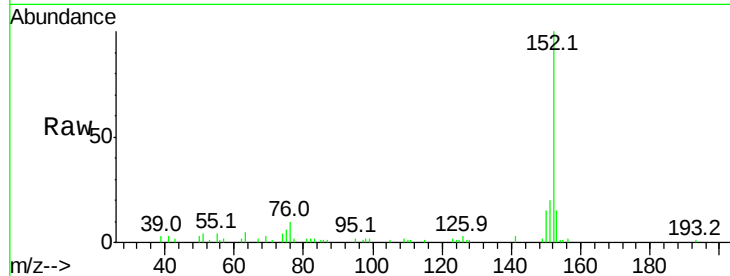
#48
Acenaphthylene
Concen: 2.962 ng
RT: 9.32 min Scan# 1280
Delta R.T. -0.08 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Instrument :
BNA_F
ClientSampleId :
E2-N10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
152	100	33739		
151	19.6		16.8	25.2
153	14.6		10.8	16.2

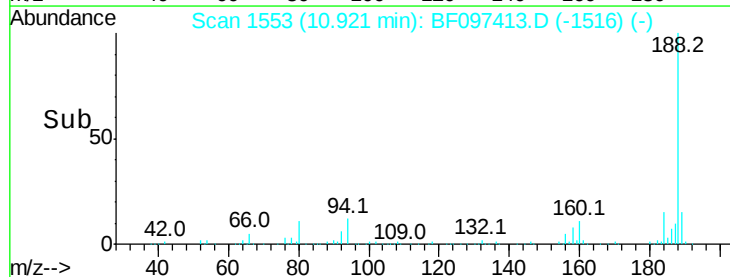
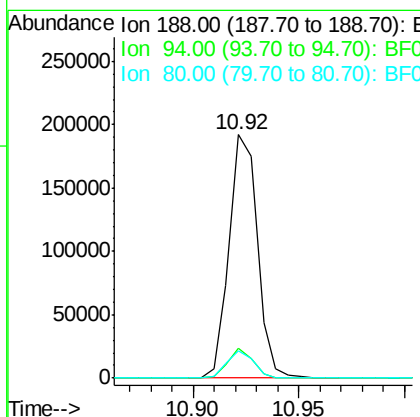
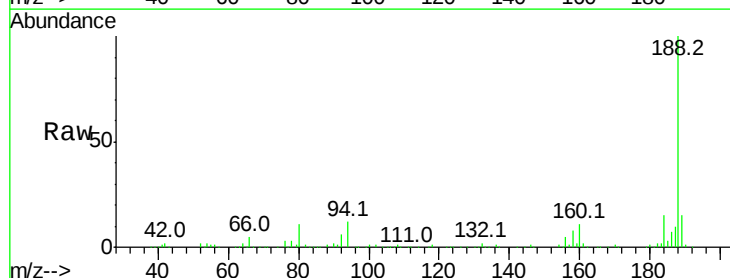
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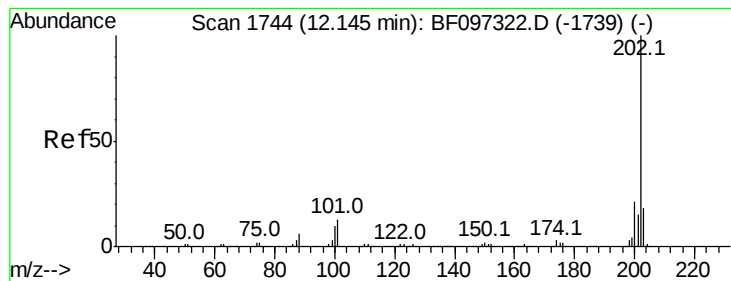
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.08 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	177553		
94	12.1		9.4	14.2
80	11.5		10.2	15.2





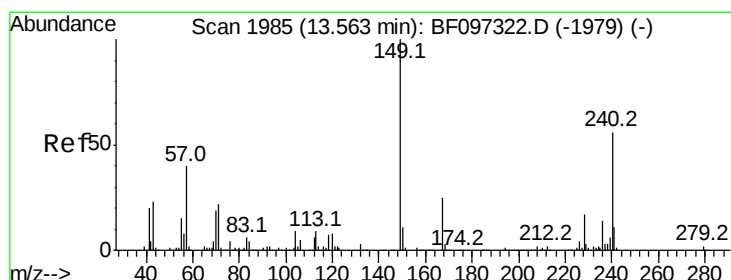
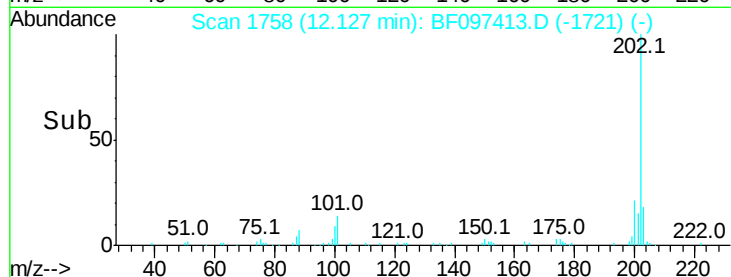
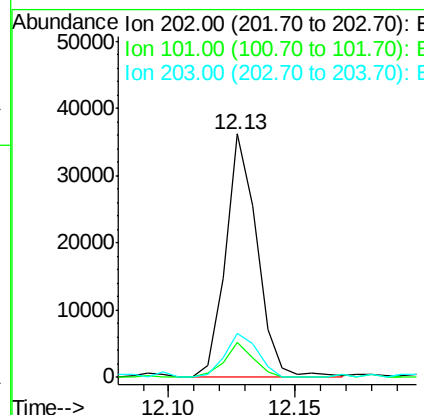
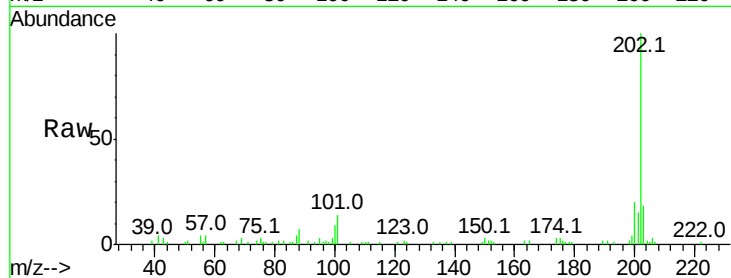
#74
 Fluoranthene
 Concen: 3.358 ng
 RT: 12.13 min Scan# 1758
 Delta R.T. -0.08 min
 Lab File: BF097413.D
 Acq: 5 Aug 2017 22:39

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	14.3	0.0	33.2	
203	18.1	0.0	38.1	

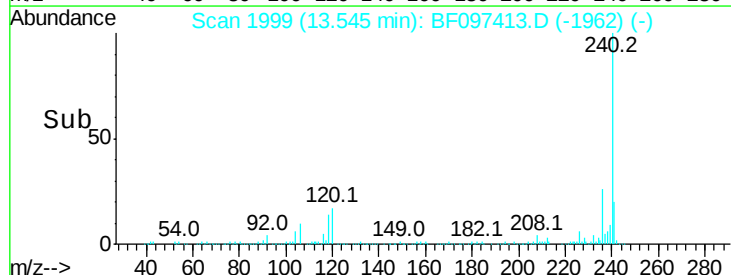
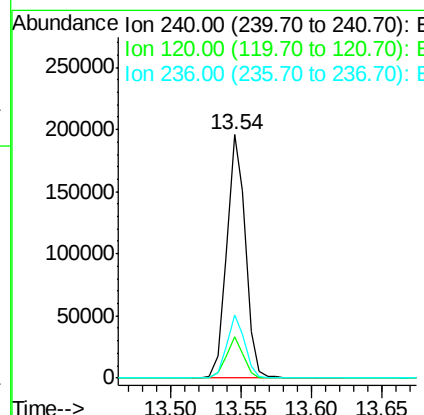
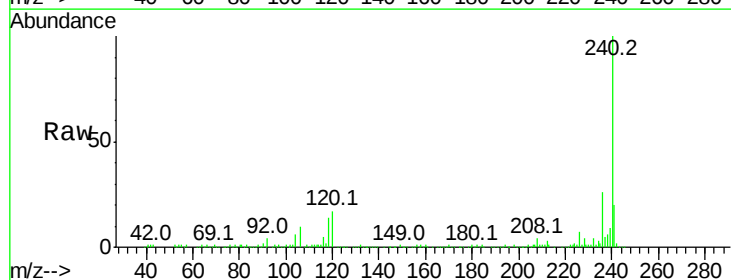
Manual Integrations
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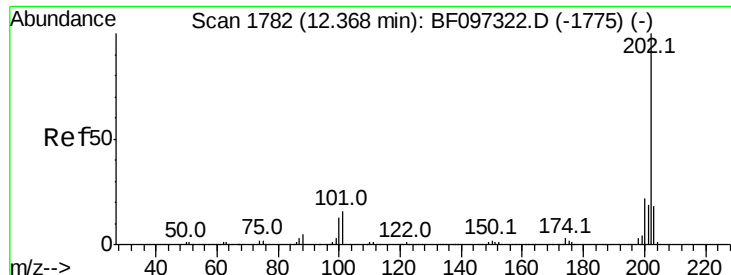
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.54 min Scan# 1999
 Delta R.T. -0.08 min
 Lab File: BF097413.D
 Acq: 5 Aug 2017 22:39

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	17.0	5.8	8.8#	
236	26.0	20.5	30.7	





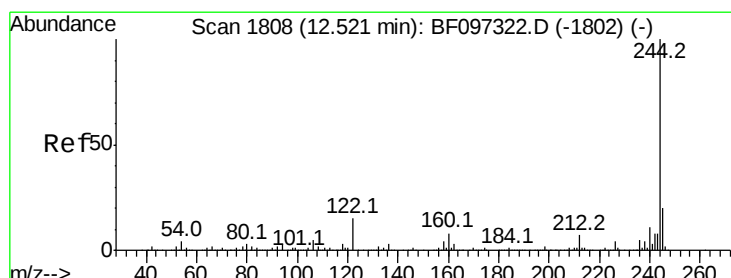
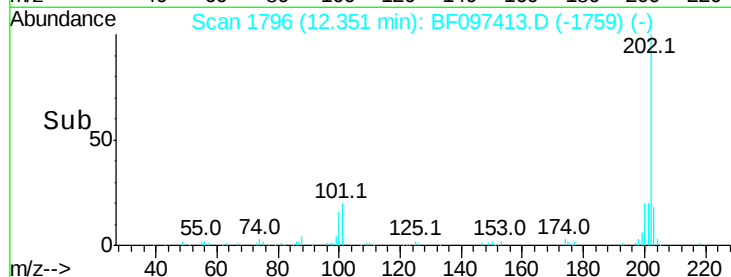
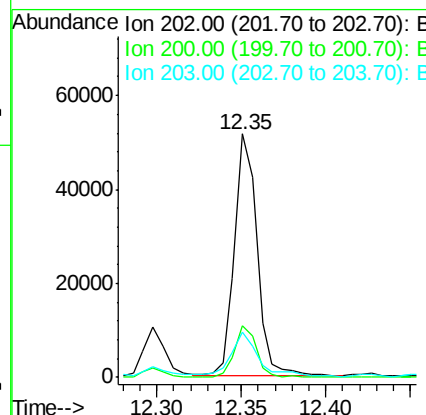
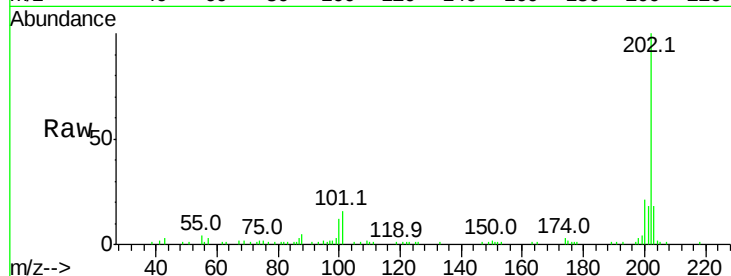
#77
Pvrene
Concen: 3.244 ng
RT: 12.35 min Scan# 1796
Delta R.T. -0.08 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Instrument :
BNA_F
ClientSampleId :
E2-N10-ESW

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	18.4	14.4	21.6

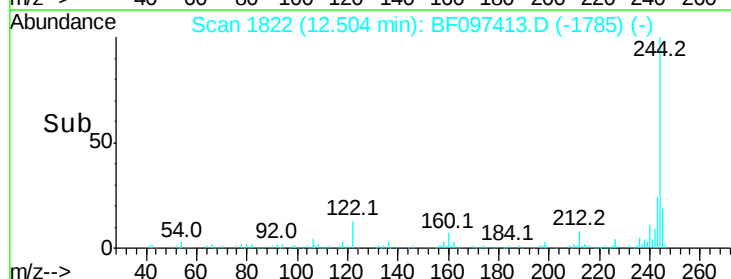
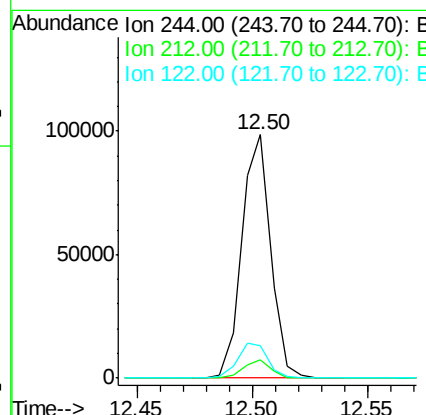
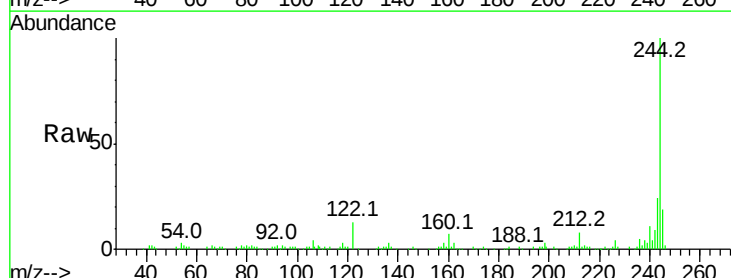
Manual Integrations
APPROVED

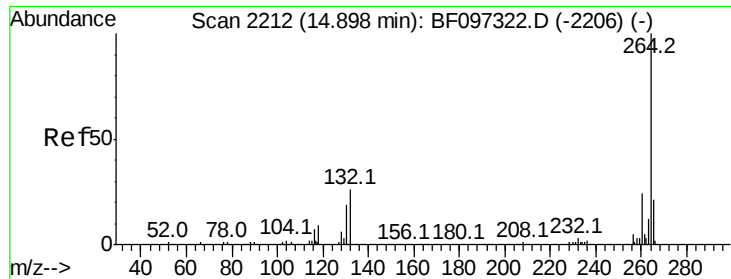
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#78
Terphenyl-d14
Concen: 9.701 ng
RT: 12.50 min Scan# 1822
Delta R.T. -0.08 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	13.1	10.3	15.5





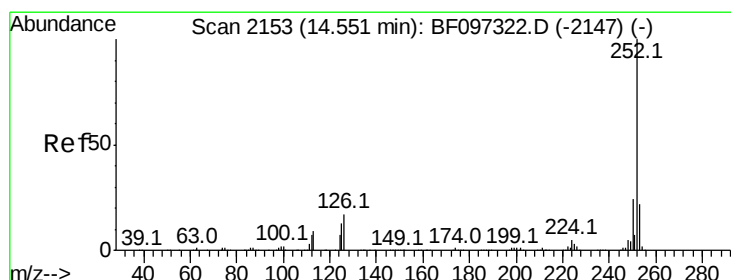
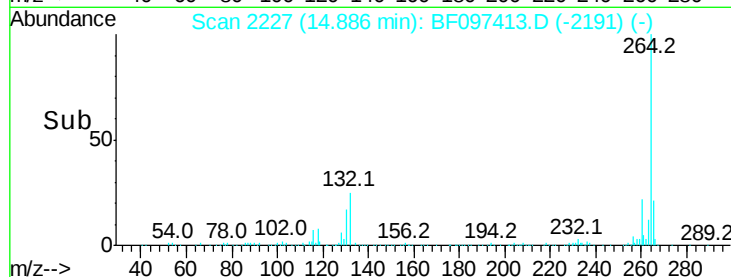
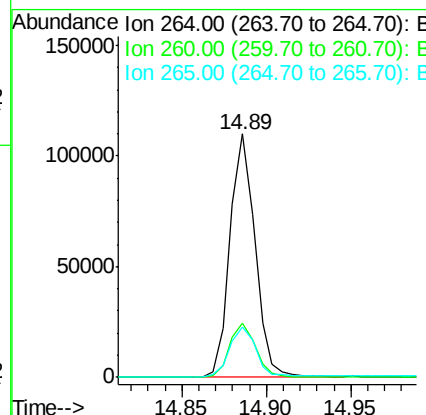
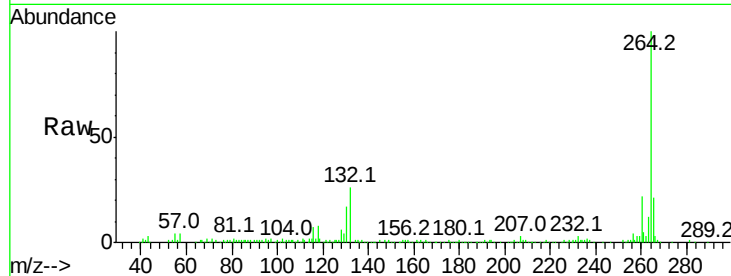
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.89 min Scan# 2227
Delta R.T. -0.09 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Instrument :
BNA_F
ClientSampled :
E2-N10-ESW

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	22.1	19.5	29.3
265	20.8	17.2	25.8

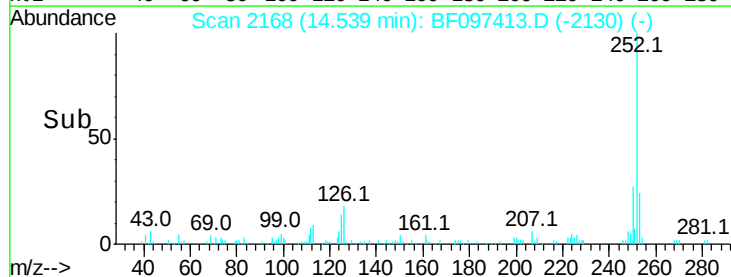
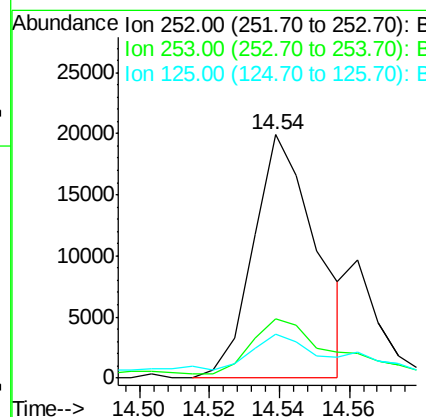
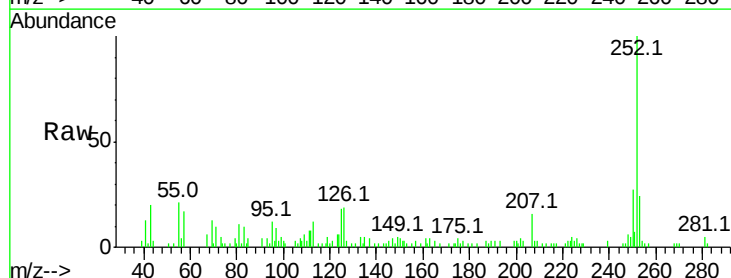
Manual Integrations
APPROVED

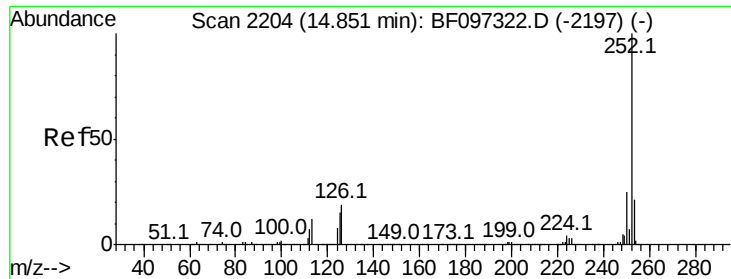
Sohil
8/7/2017 6:01:04 PM



#87
Benzo(b)fluoranthene
Concen: 3.629 ng m
RT: 14.54 min Scan# 2168
Delta R.T. -0.08 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.2	18.1	27.1
125	17.9	9.8	14.8#





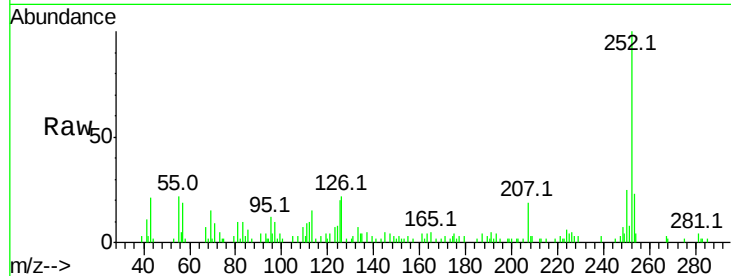
#89
Benzo(a)pyrene
Concen: 2.976 ng
RT: 14.84 min Scan# 2219
Delta R.T. -0.08 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Instrument :
BNA_F
ClientSampled :
E2-N10-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	20.1	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/7/2017 6:01:04 PM

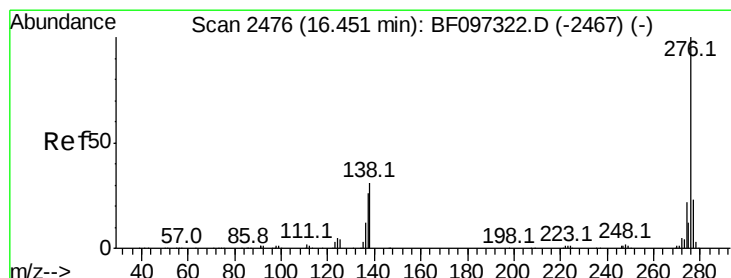
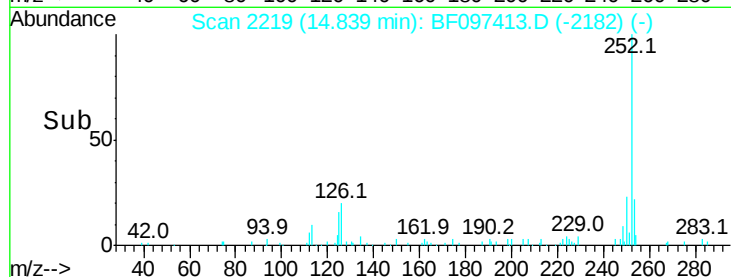
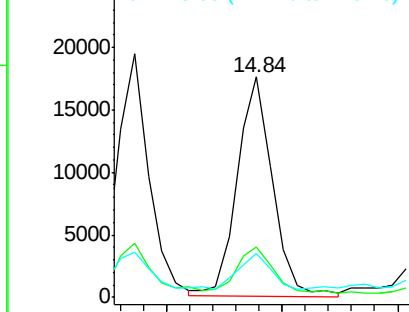


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.310 ng
RT: 16.44 min Scan# 2491
Delta R.T. -0.13 min
Lab File: BF097413.D
Acq: 5 Aug 2017 22:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.6	28.0
138	34.8	25.4	38.0

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

