

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
 Data File : BF097889.D
 Acq On : 19 Aug 2017 20:04
 Operator : SJ/JU
 Sample : I4847-06 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-B-COMP

Manual Integrations
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Sohil
 8/21/2017 5:20:04 PM

Quant Time: Aug 21 04:54:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	157819	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	636863	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	268811	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	421196	20.00	ng	-0.03
75) Chrysene-d12	13.90	240	272000	20.00	ng	-0.04
86) Perylene-d12	15.33	264	264168	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	236990	22.84	ng	-0.03
7) Phenol-d6	6.38	99	331057	23.48	ng	-0.03
23) Nitrobenzene-d5	7.32	82	204257	17.42	ng	-0.04
41) 2,4,6-Tribromophenol	10.57	330	42528	18.23	ng	-0.04
44) 2-Fluorobiphenyl	9.12	172	277354	15.16	ng	-0.03
78) Terphenyl-d14	12.86	244	149916	11.49	ng	-0.04
Target Compounds						
49) Dimethylphthalate	9.51	163	40237	2.048	ng	Qvalue # 98
57) Fluorene	10.34	166	41658	2.241	ng	97
70) Phenanthrene	11.30	178	265015	11.808	ng	99
71) Anthracene	11.35	178	82960	3.644	ng	97
74) Fluoranthene	12.48	202	254161	10.849	ng	98
77) Pyrene	12.71	202	217829	9.792	ng	99
80) Benzo(a)anthracene	13.90	228	102094	6.263	ng	97
82) Chrysene	13.93	228	96536	5.953	ng	98
85) Indeno(1,2,3-cd)pyrene	16.70	276	37330	3.129	ng	93
87) Benzo(b)fluoranthene	14.92	252	115080m	6.911	ng	
88) Benzo(k)fluoranthene	14.94	252	36087m	2.307	ng	
89) Benzo(a)pyrene	15.27	252	78010	5.292	ng	100
91) Benzo(a,h,i)perylene	17.12	276	32993	2.635	ng	94

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

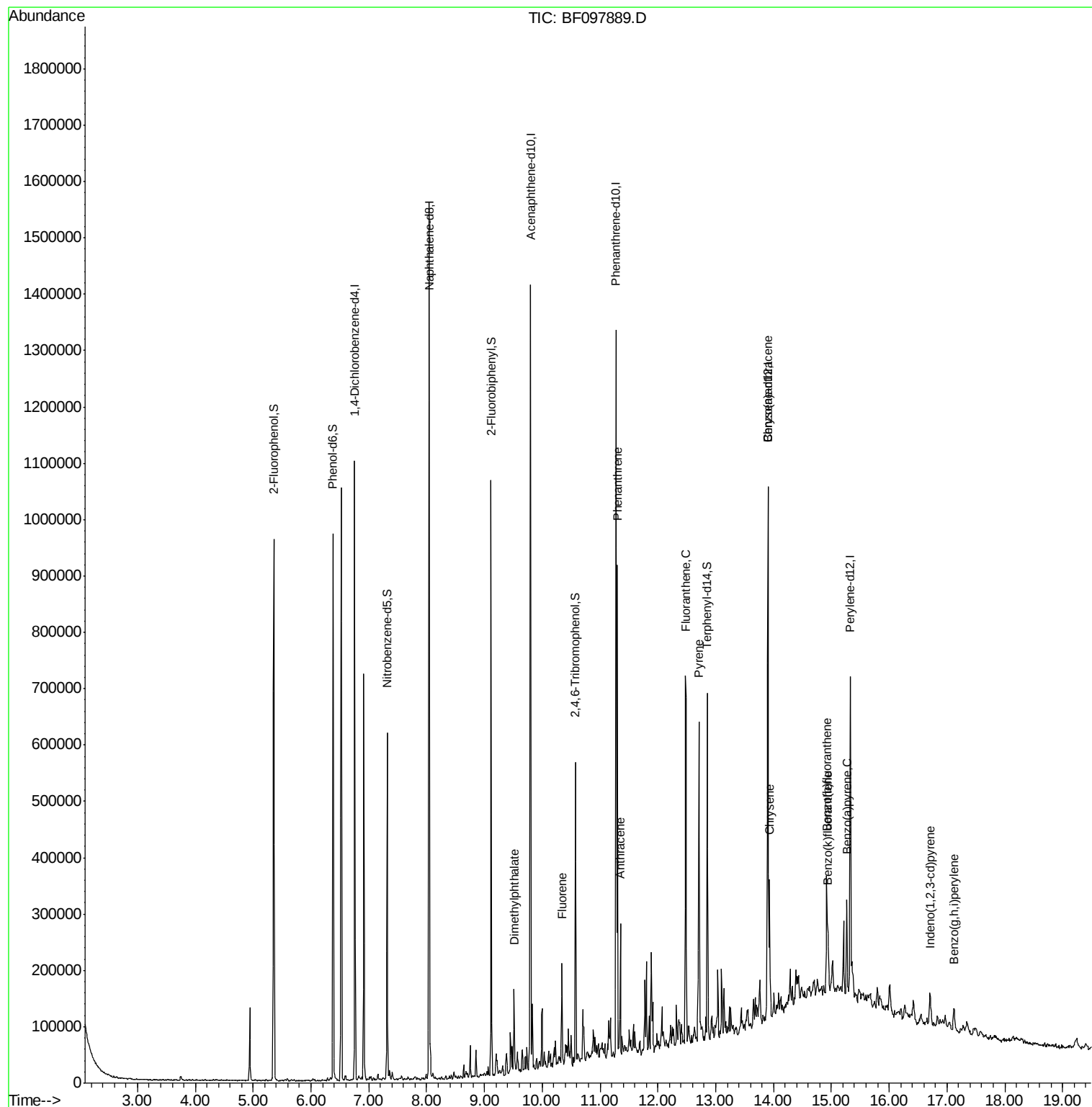
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
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ALS Vial : 19 Sample Multiplier: 1

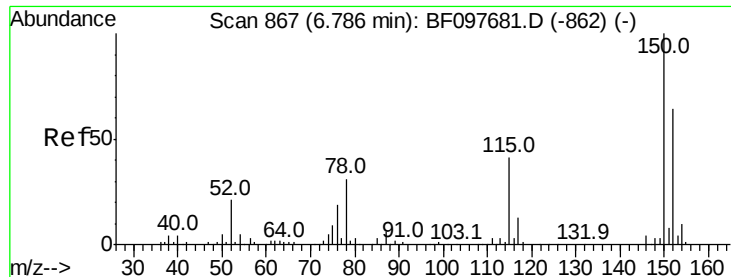
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

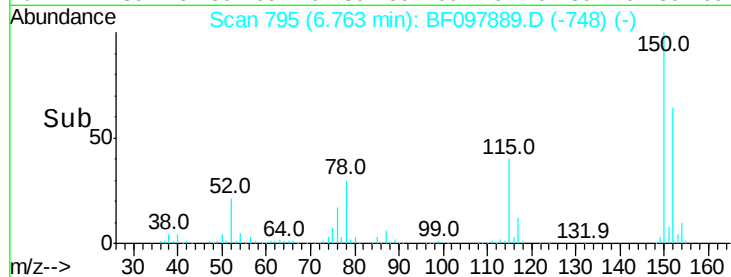
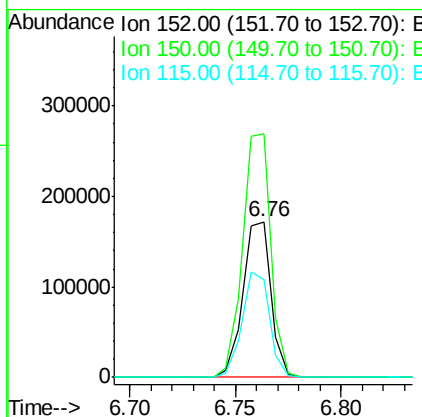
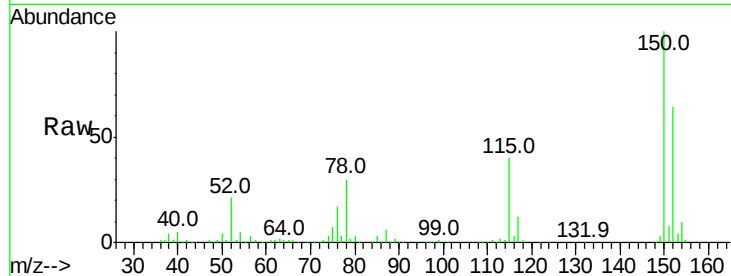
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.02 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

Instrument :
BNA_F
ClientSampleId :
PVSC-B-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.2
115	62.4	52.2	78.2

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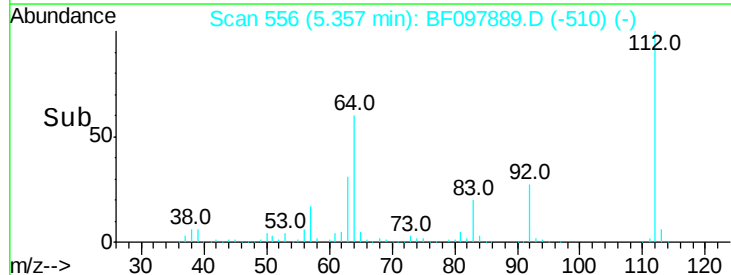
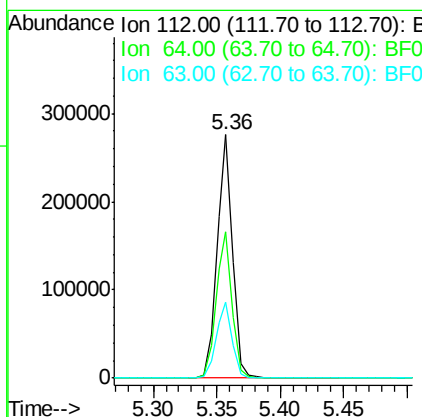
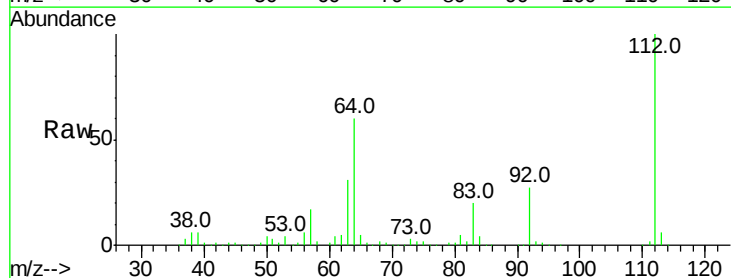
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#5

2-Fluorophenol
Concen: 22.841 ng
RT: 5.36 min Scan# 556
Delta R.T. -0.03 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	46.0	69.0
63	31.1	23.4	35.0





#7

Phenol-d6

Concen: 23.484 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.03 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

Instrument :

BNA_F

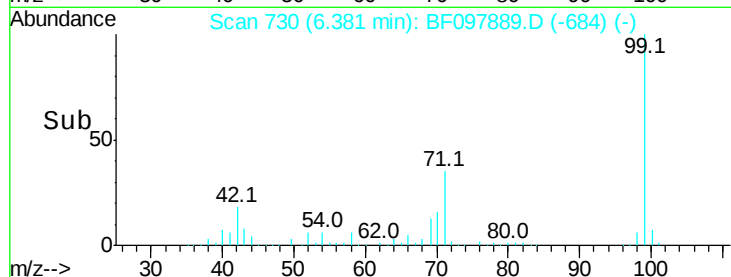
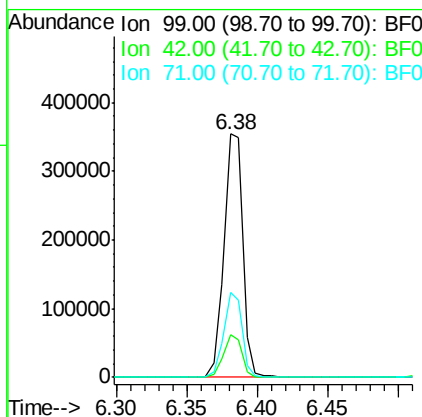
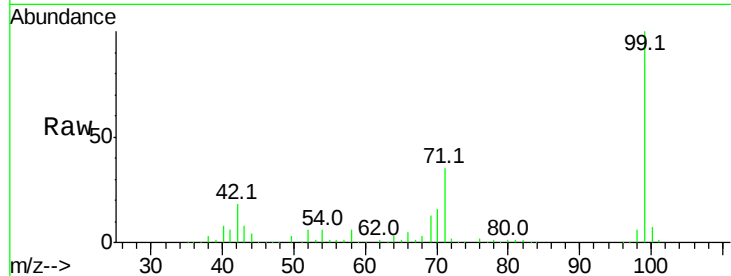
ClientSampleId :

PVSC-B-COMP

Tot Ion:	99	Resp:	331057
Ion Ratio	Lower	Upper	
99	100		
42	17.7	13.5	20.3
71	35.1	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

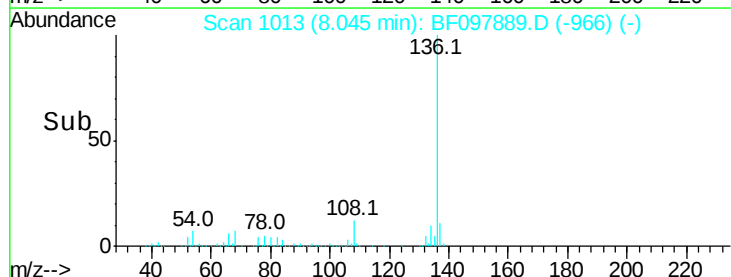
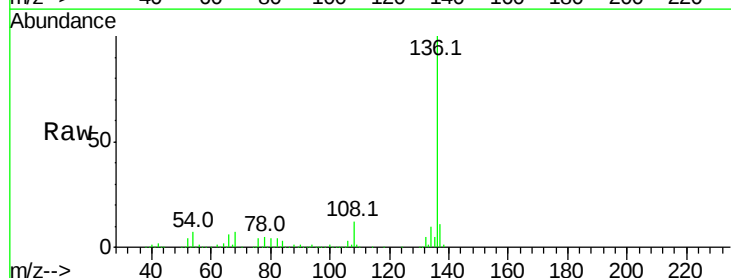
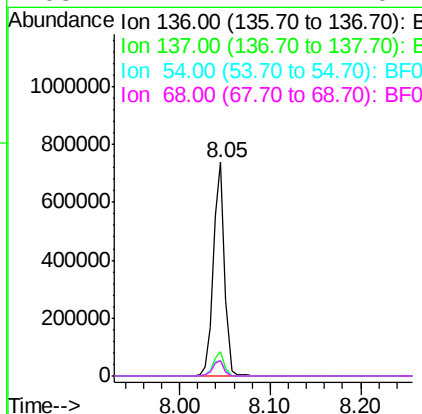
RT: 8.05 min Scan# 1013

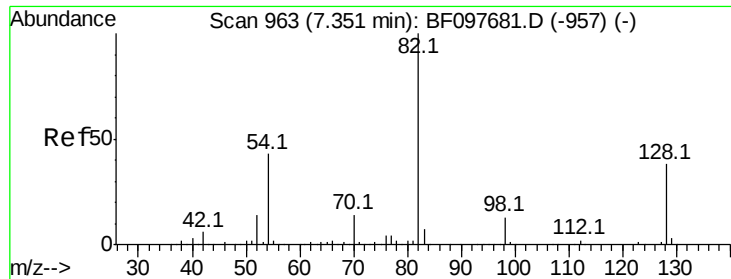
Delta R.T. -0.02 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

Tgt Ion:	136	Resp:	636863
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	7.3	4.9	7.3
68	7.1	4.1	6.1#





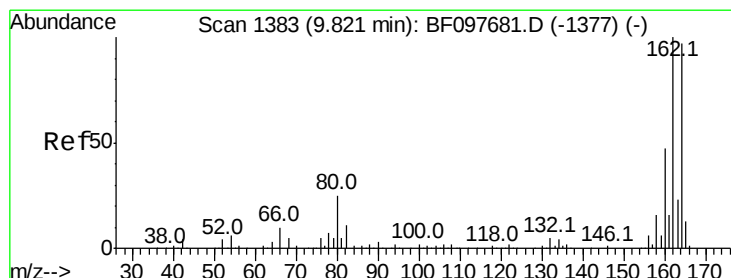
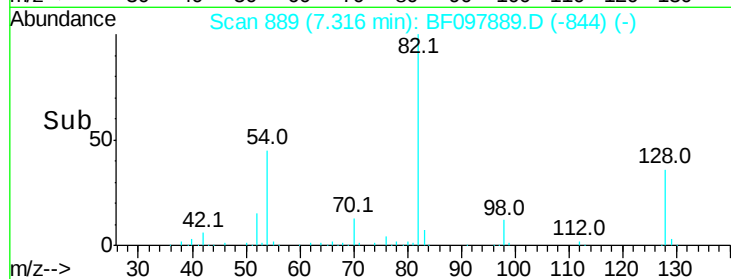
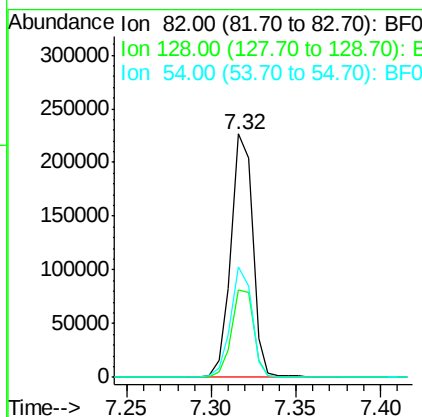
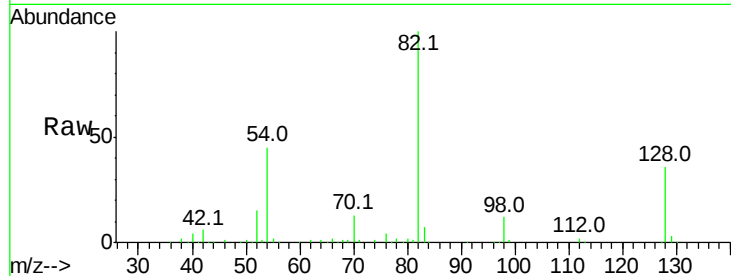
#23
 Nitrobenzene-d5
 Concen: 17.423 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.04 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-B-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.8	34.0	51.0	
54	45.3	42.2	63.2	

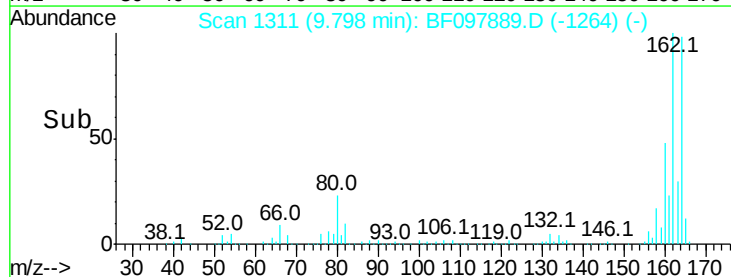
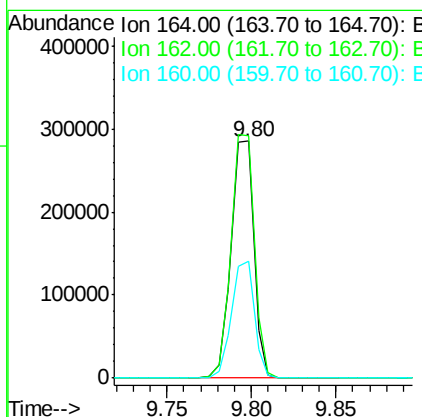
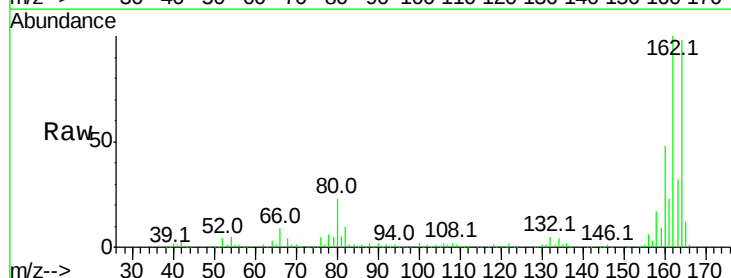
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.0	82.6	123.8	
160	49.2	36.2	54.2	





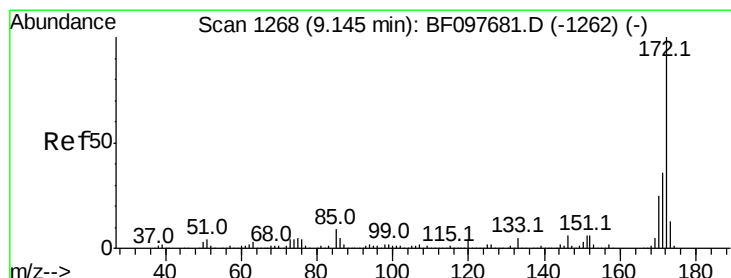
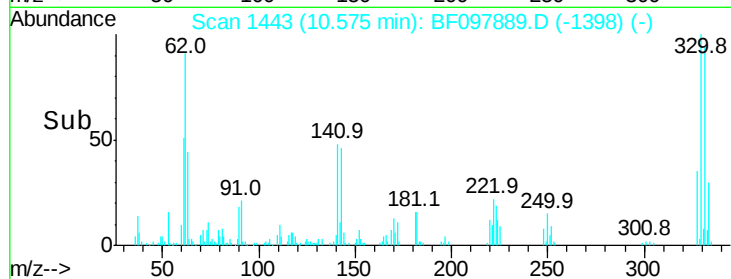
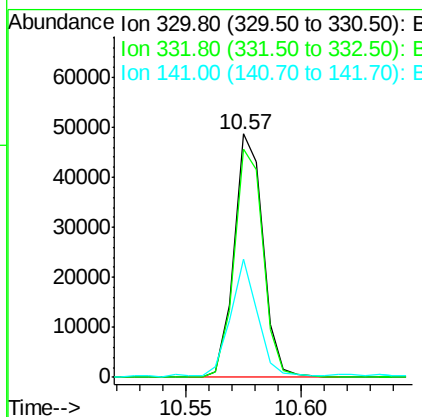
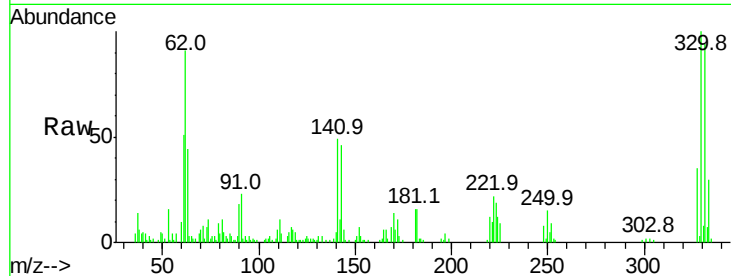
#41
 2,4,6-Tribromophenol
 Concen: 18.234 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.04 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-B-COMP

Tot Ion:330 Resp: 42528
 Ion Ratio Lower Upper
 330 100
 332 94.2 76.6 115.0
 141 47.2 31.4 47.2#

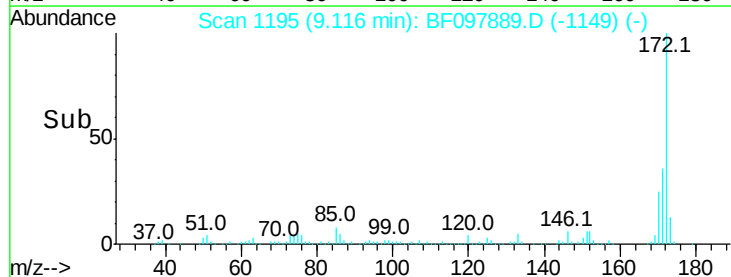
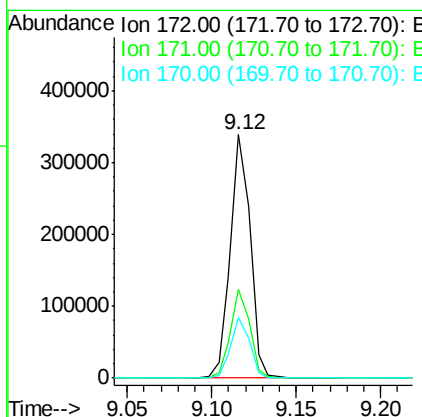
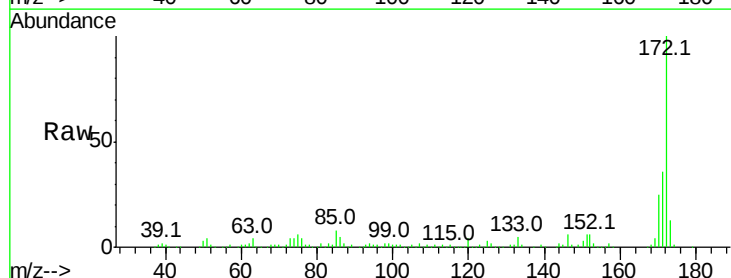
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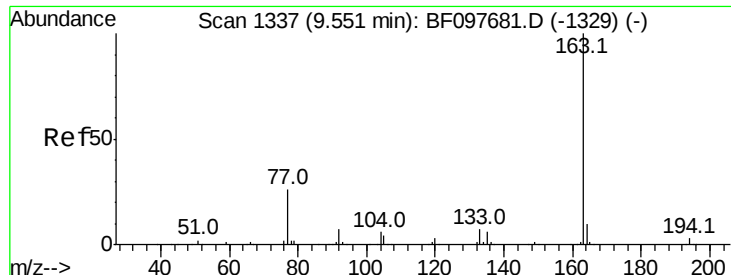
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#44
 2-Fluorobiphenyl
 Concen: 15.159 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.03 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Tgt Ion:172 Resp: 277354
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.8 19.8 29.8





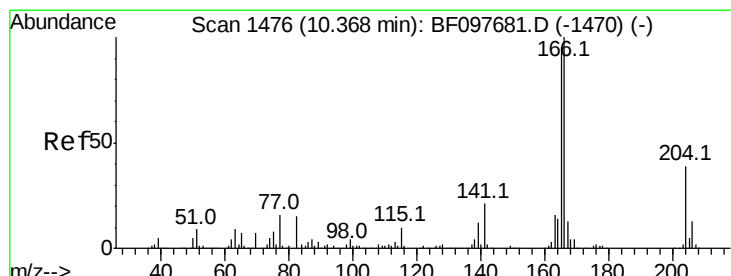
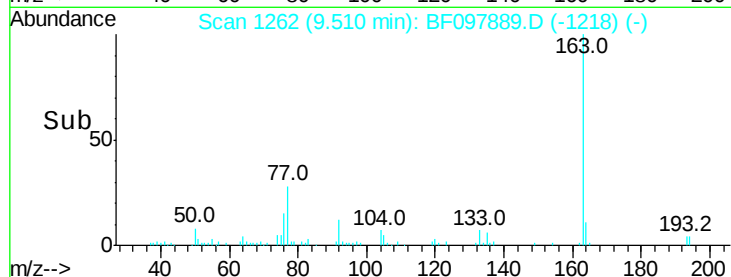
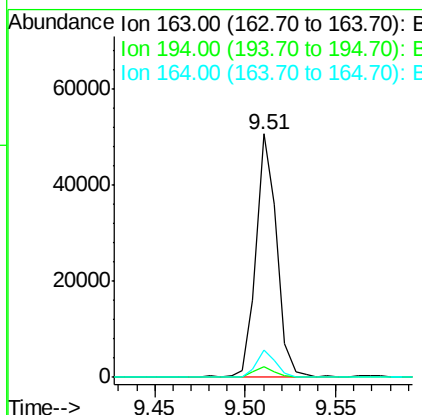
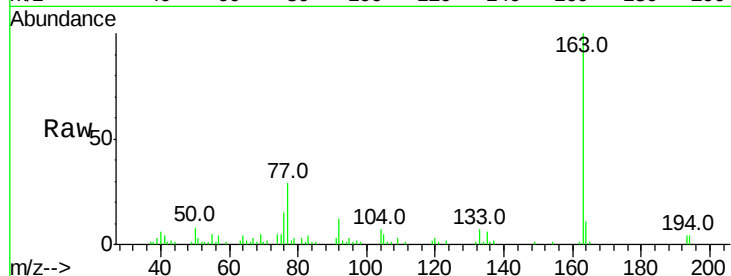
#49
Dimethylphthalate
Concen: 2.048 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.04 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

Instrument :
BNA_F
ClientSampleId :
PVSC-B-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	40237		
194	4.3	2.6	4.0#	
164	11.2	8.4	12.6	

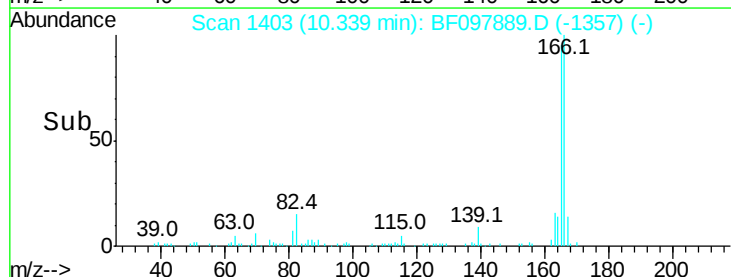
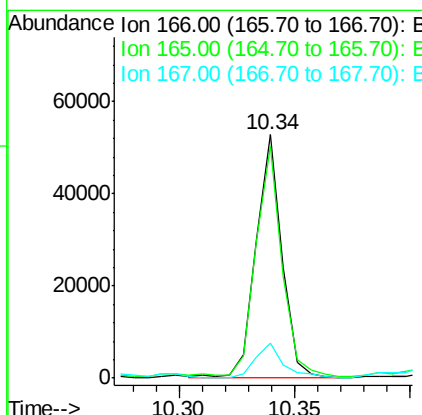
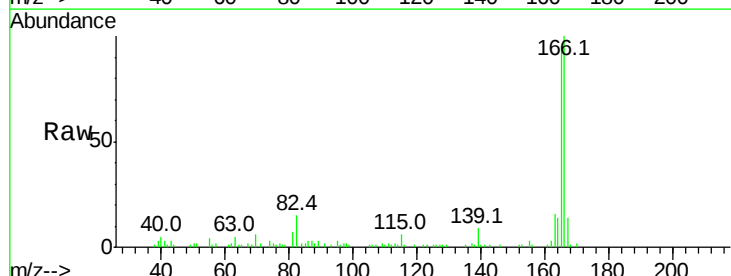
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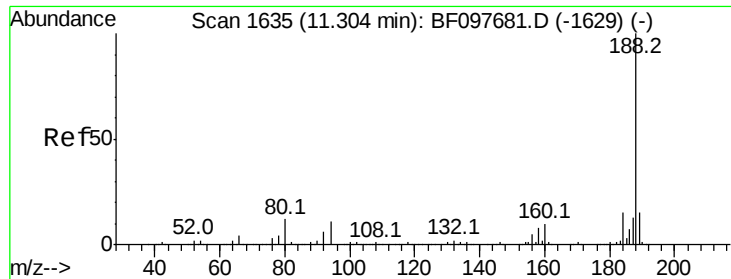
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#57
Fluorene
Concen: 2.241 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.03 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	41658		
165	95.1	78.8	118.2	
167	14.2	10.6	16.0	





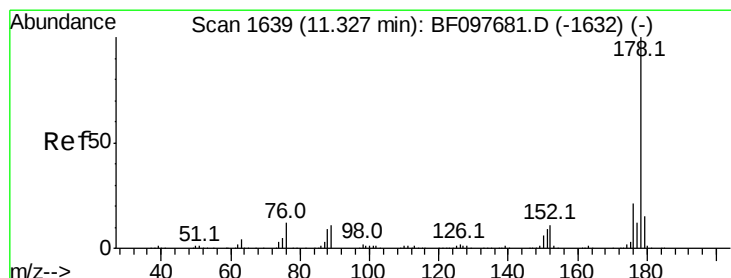
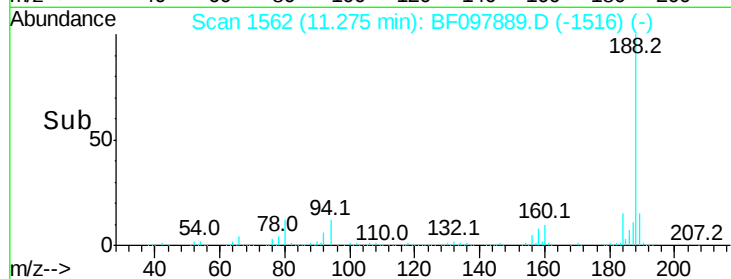
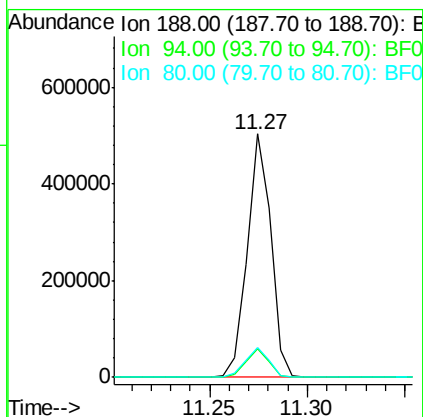
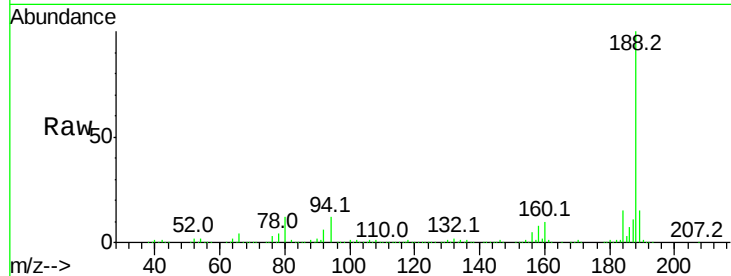
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.03 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

Instrument :
BNA_F
ClientSampleId :
PVSC-B-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	421196		
94	11.8		9.4	14.2
80	12.5		10.2	15.2

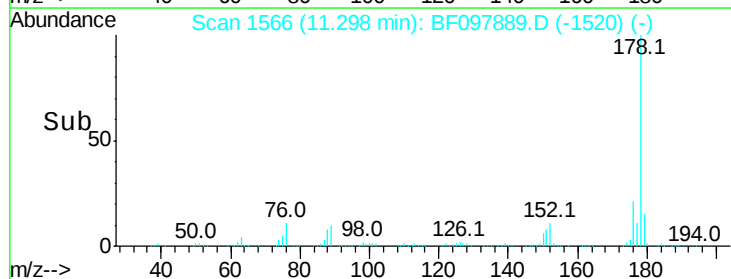
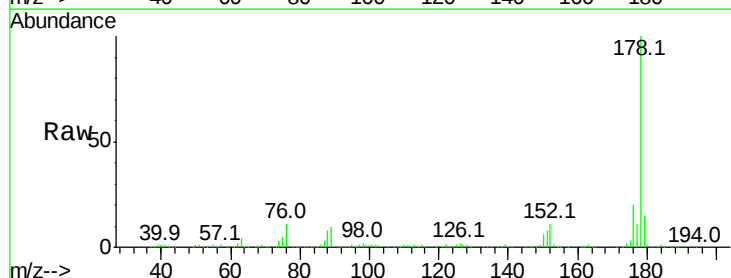
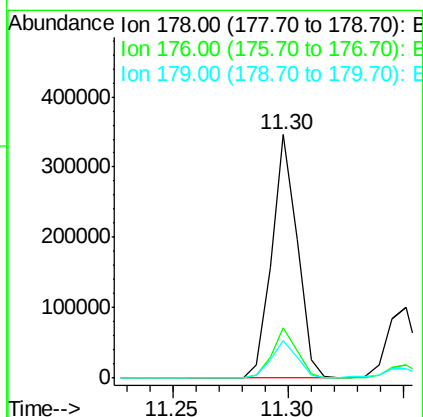
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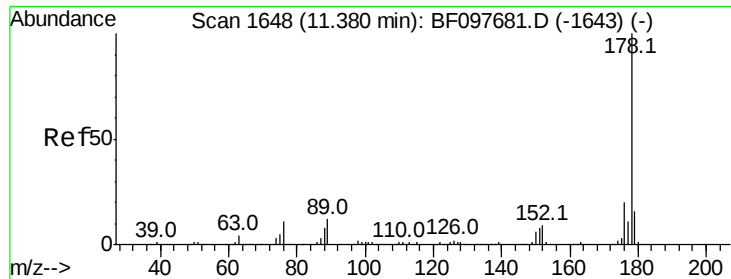
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#70
Phenanthrene
Concen: 11.808 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.03 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	265015		
176	20.5		16.2	24.4
179	15.3		12.6	19.0





#71

Anthracene

Concen: 3.644 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.03 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

Instrument :

BNA_F

ClientSampleId :

PVSC-B-COMP

Tot Ion:178 Resp: 82960

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

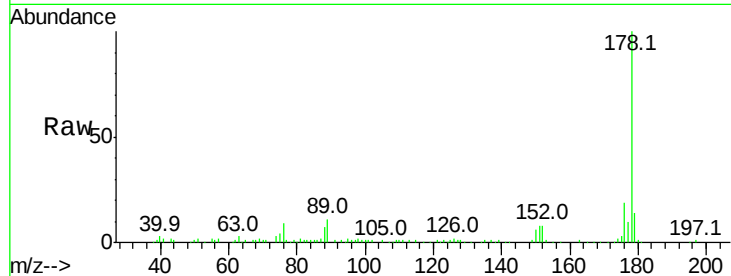
179 13.9 12.7 19.1

Manual Integrations

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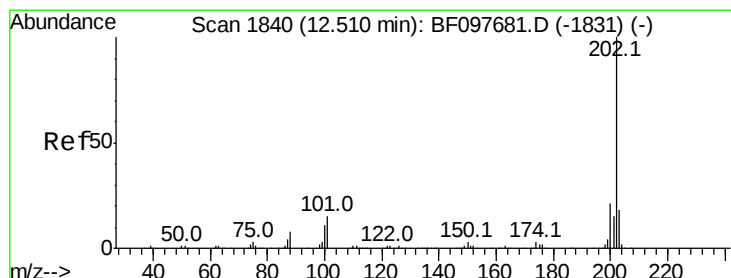
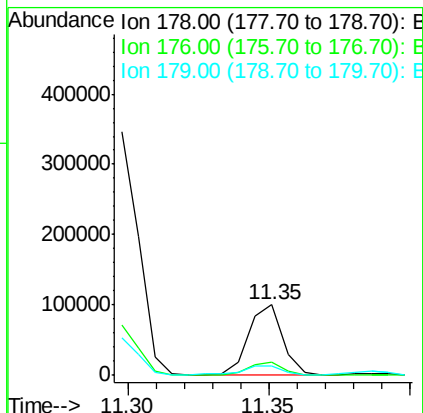
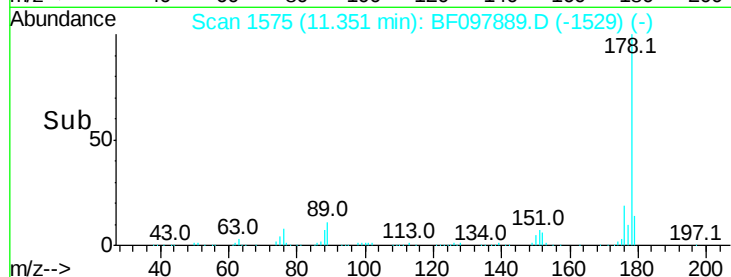
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 10.849 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.03 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

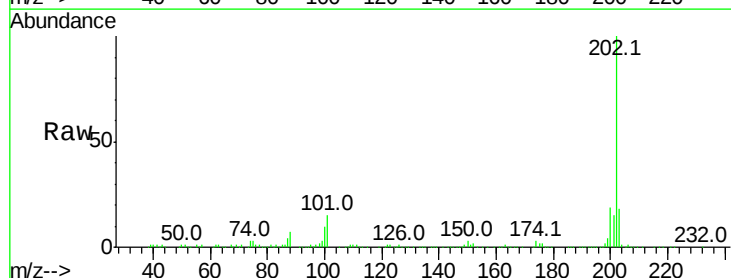
Tgt Ion:202 Resp: 254161

Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.2

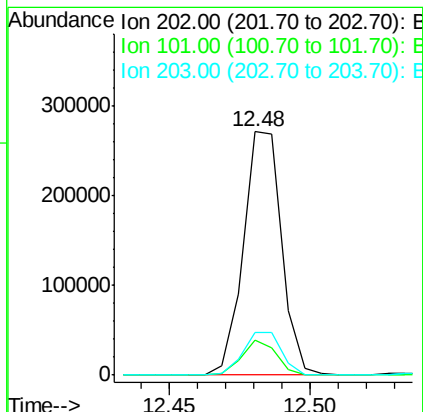
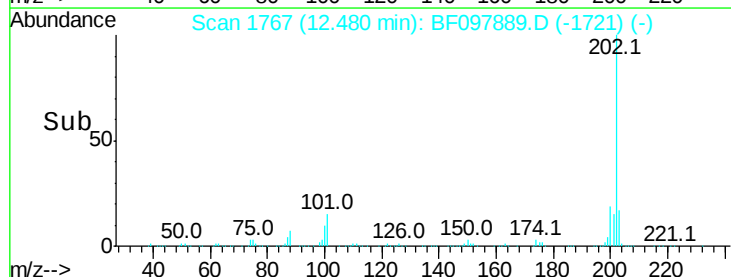
203 17.6 0.0 38.1

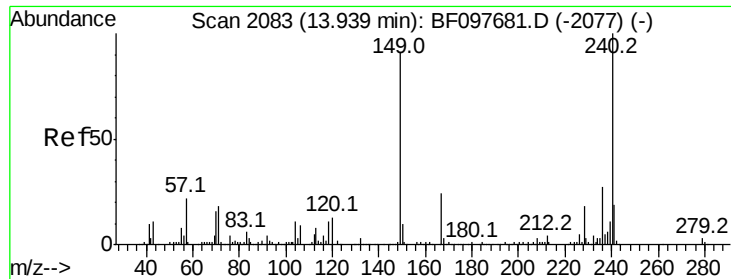


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.04 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

Instrument :

BNA_F

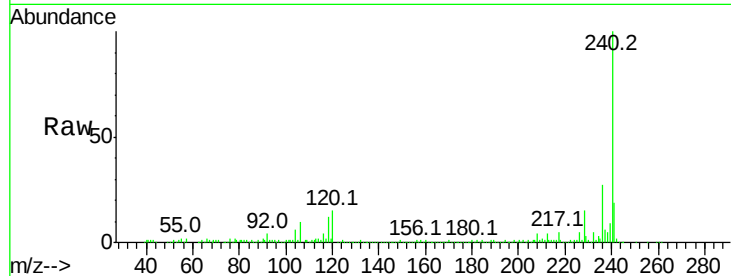
ClientSampleId :

PVSC-B-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	27.1	20.5	30.7

Manual Integrations
APPROVED

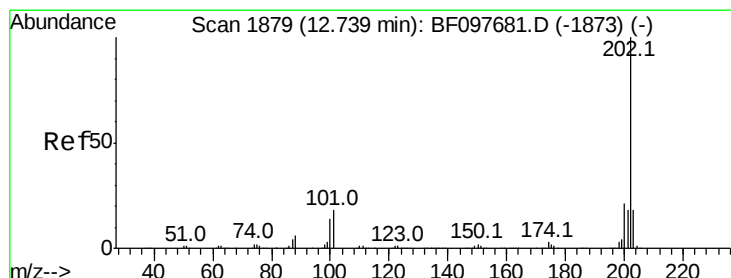
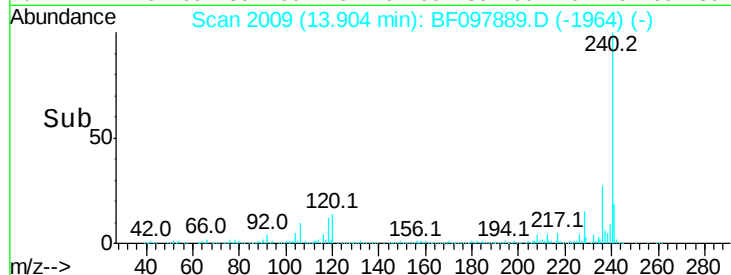
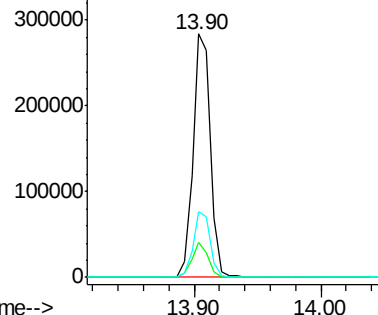
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 9.792 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.03 min

Lab File: BF097889.D

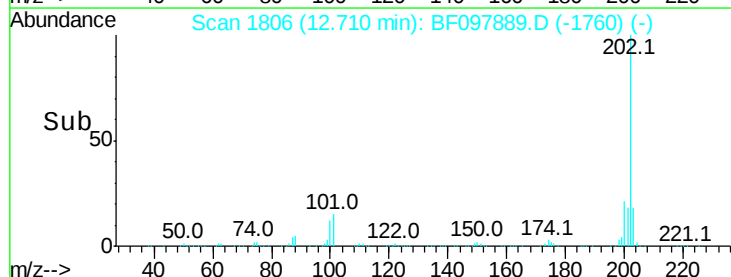
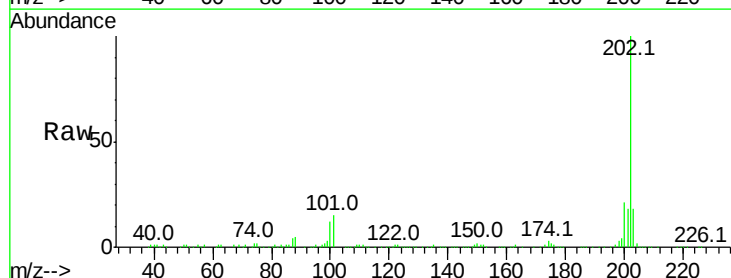
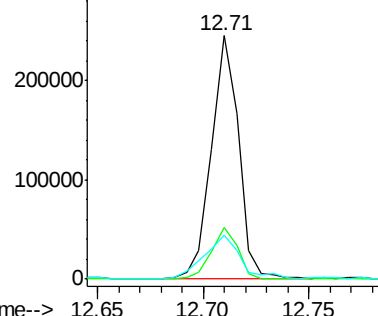
Acq: 19 Aug 2017 20:04

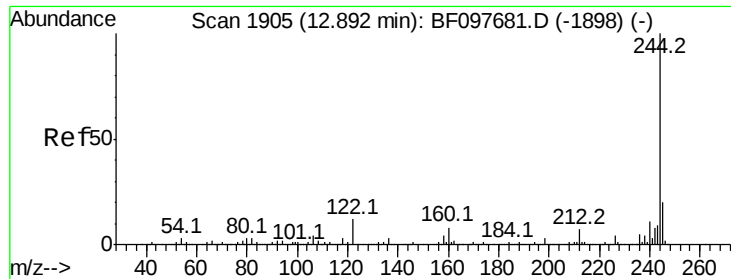
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	17.9	14.4	21.6

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





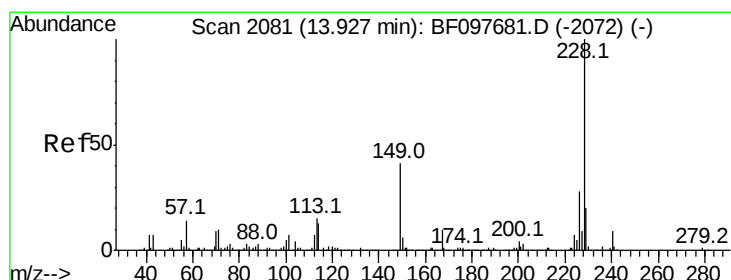
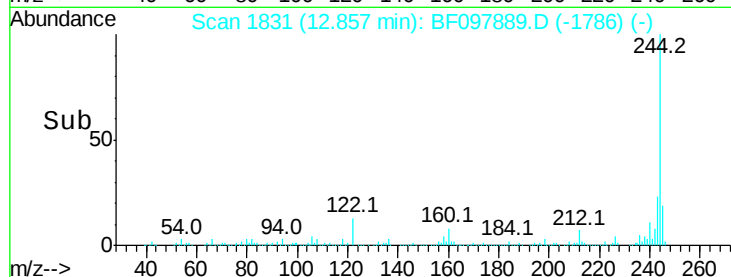
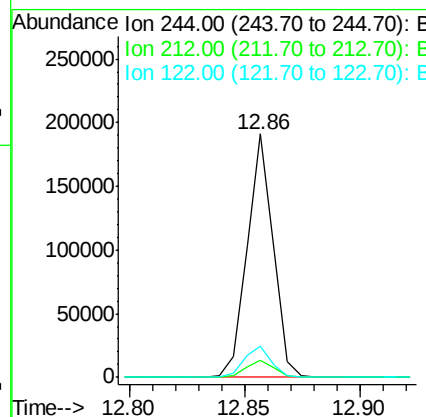
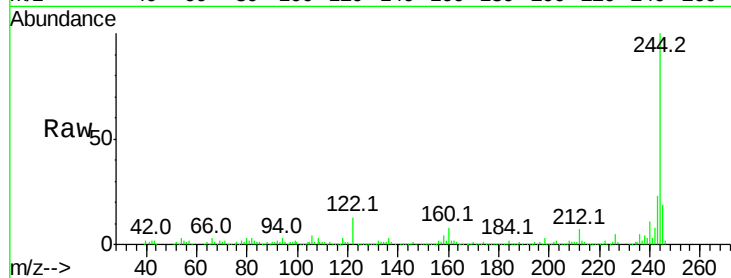
#78
 Terphenyl-d14
 Concen: 11.494 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. -0.04 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-B-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	12.8	10.3	15.5

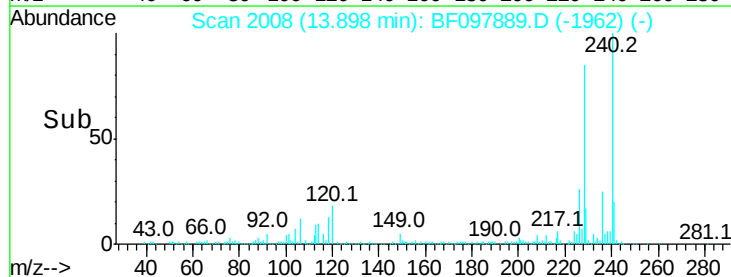
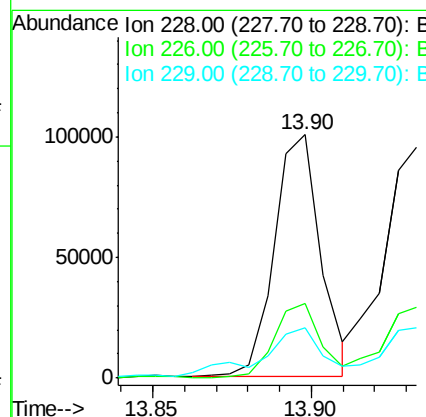
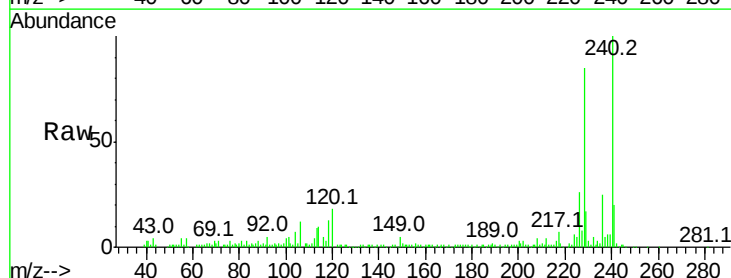
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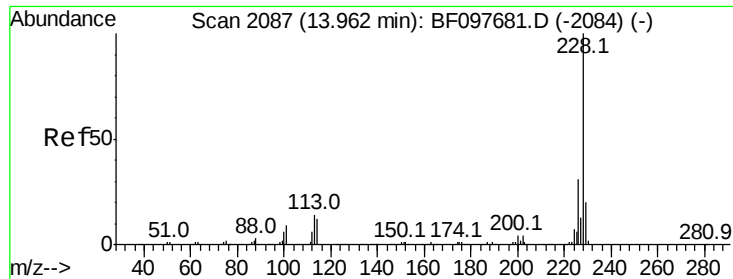
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#80
 Benzo(a)anthracene
 Concen: 6.263 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.03 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	20.5	16.3	24.5





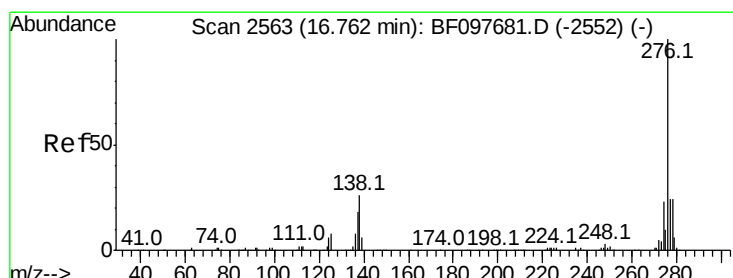
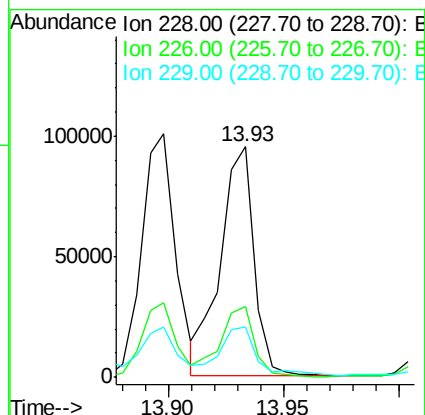
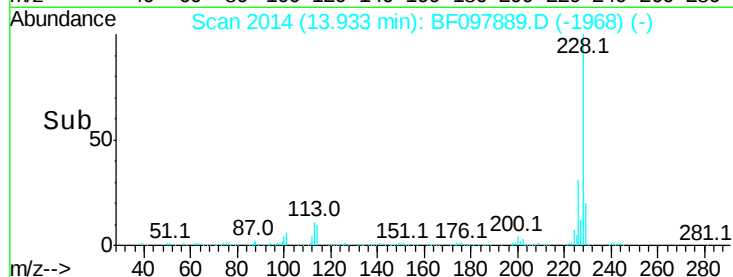
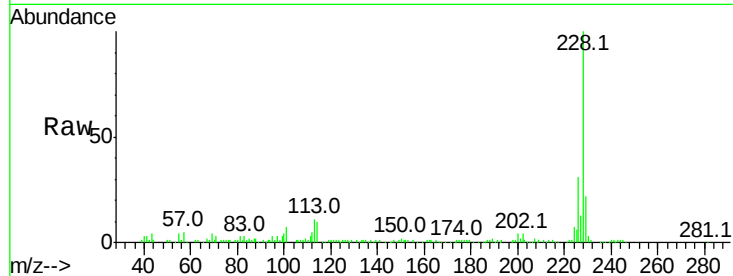
#82
Chrysene
Concen: 5.953 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.03 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

Instrument :
BNA_F
ClientSampled :
PVSC-B-COMP

Tot Ion:	228	Resp:	96536
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.9	37.3
229	21.9	15.8	23.6

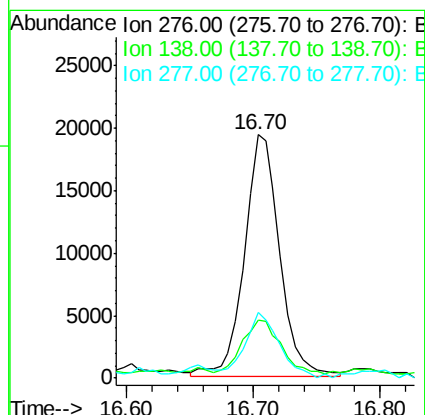
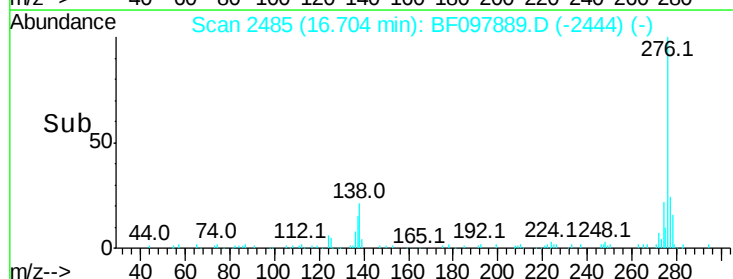
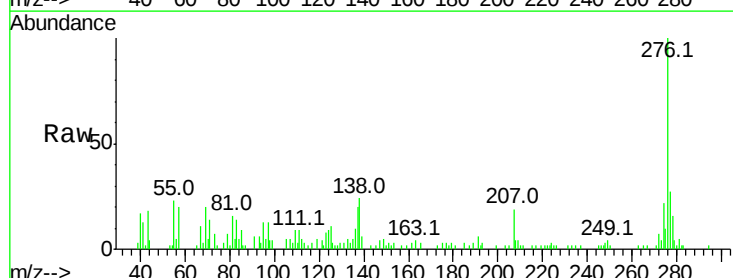
Manual Integrations
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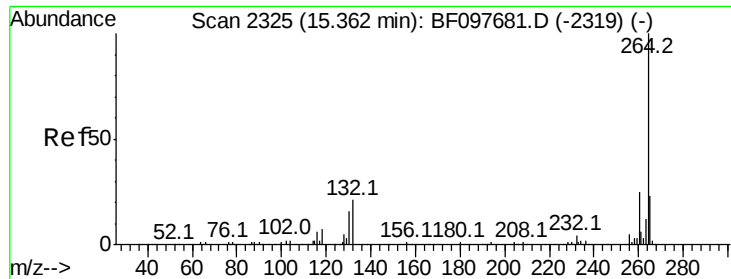
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.129 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.06 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

Tgt Ion:	276	Resp:	37330
Ion Ratio	Lower	Upper	
276	100		
138	29.0	27.8	41.6
277	26.9	20.2	30.4





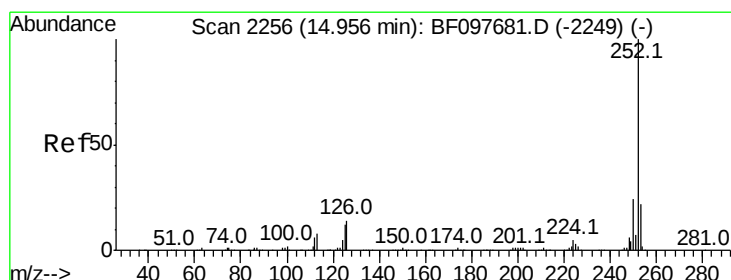
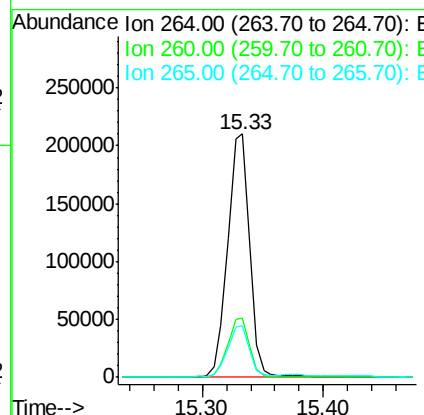
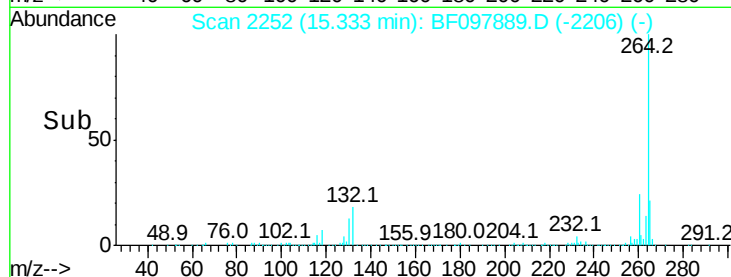
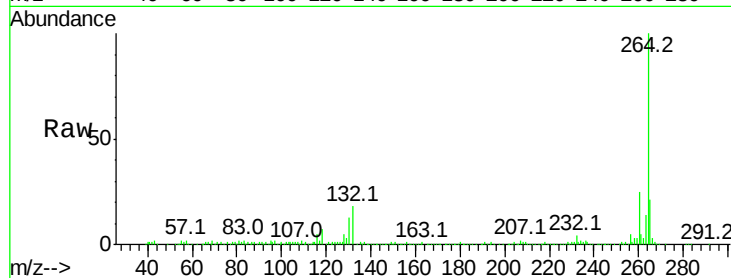
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.03 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

Instrument :
BNA_F
ClientSampleId :
PVSC-B-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.1	17.2	25.8

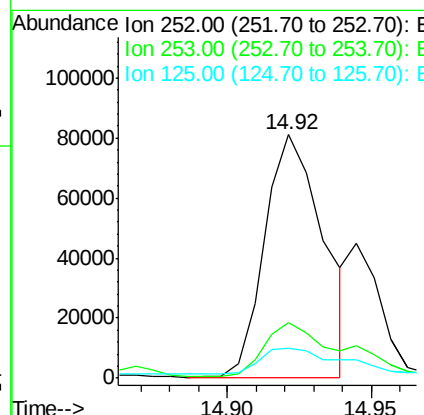
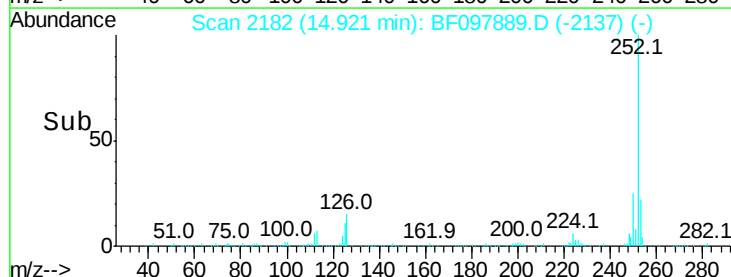
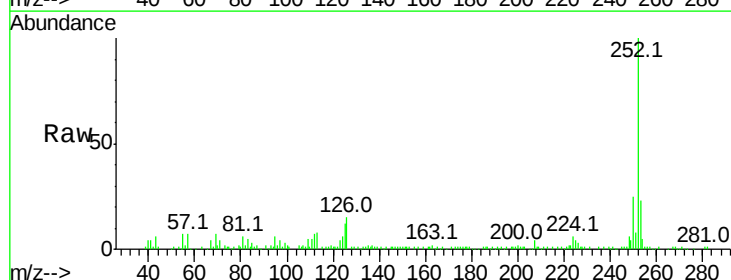
Manual Integrations
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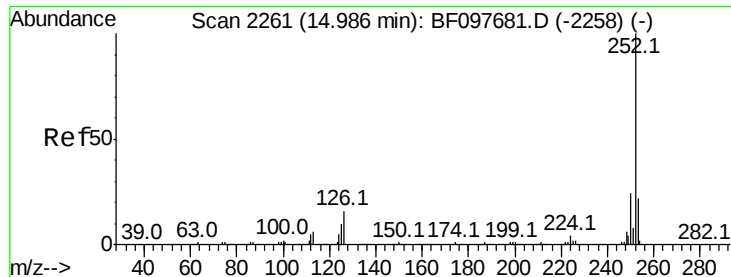
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#87
Benzo(b)fluoranthene
Concen: 6.911 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.04 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	12.5	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 2.307 ng/mL

RT: 14.94 min Scan# 2186

Delta R.T. -0.04 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

Instrument :

BNA_F

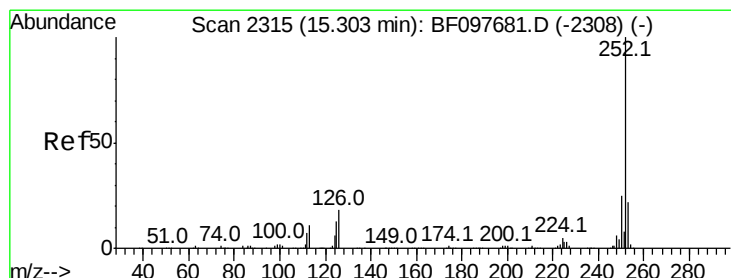
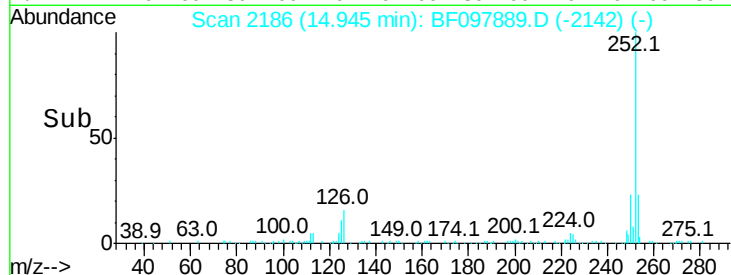
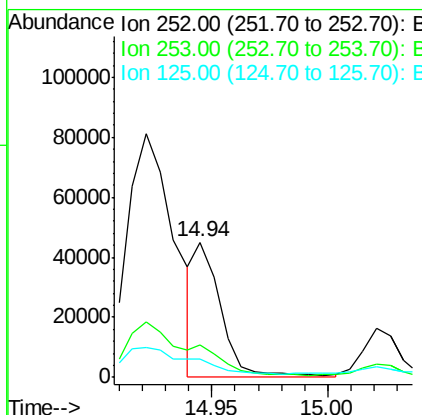
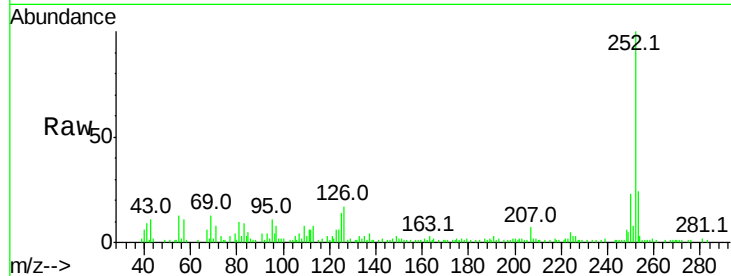
ClientSampled :

PVSC-B-COMP

Tot Ion:	252	Resp:	36087
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.4	27.6
125	13.7	13.1	19.7

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 5.292 ng/mL

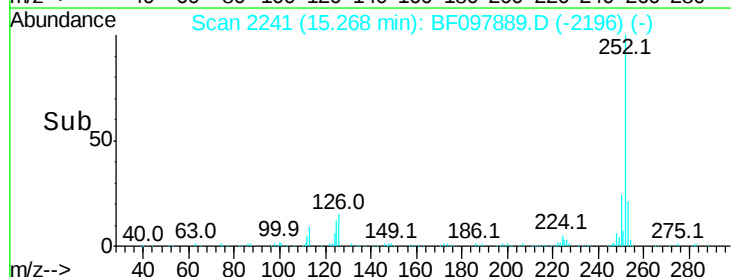
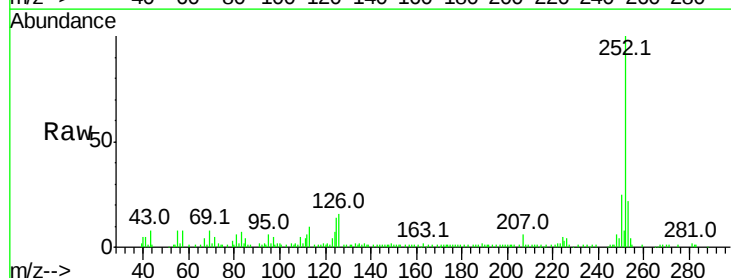
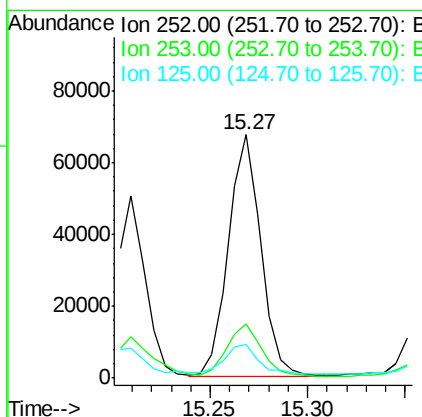
RT: 15.27 min Scan# 2241

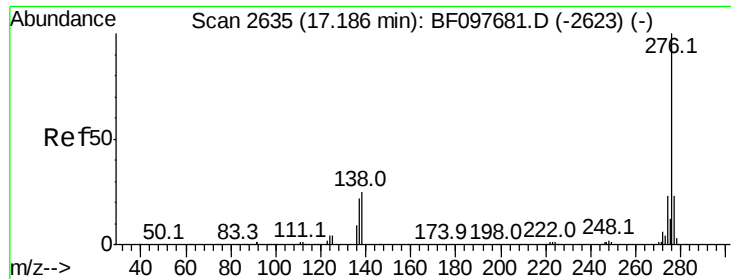
Delta R.T. -0.04 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

Tgt Ion:	252	Resp:	78010
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.5	26.3
125	13.9	11.0	16.4





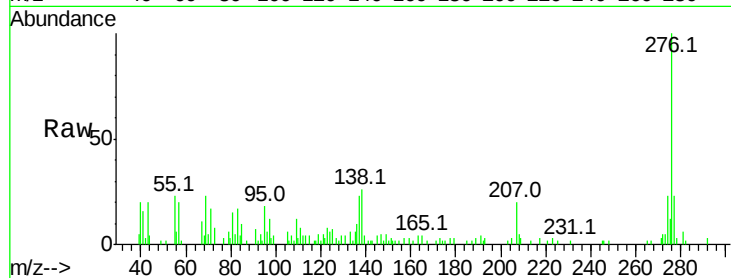
#91
 Benzo(a,h,i)perylene
 Concen: 2.635 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. -0.06 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-B-COMP

Tot Ion:	276	Resp:	32993
Ion Ratio	Lower	Upper	
276	100		
277	22.6	18.6	28.0
138	26.2	25.4	38.0

Manual Integrations
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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

