

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097907.D
 Acq On : 21 Aug 2017 15:38
 Operator : SJ/JU
 Sample : I4852-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-207

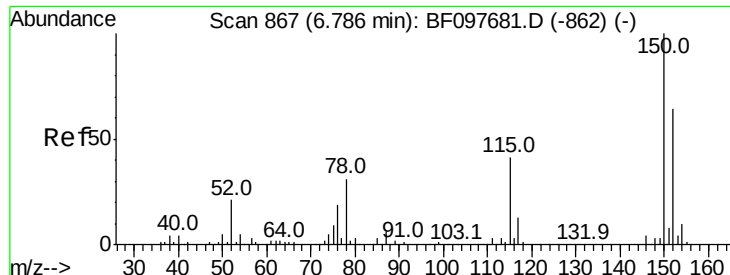
Manual Integrations
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Quant Time: Aug 21 16:29:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	134033	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	501306	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	186090	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	301319	20.00	ng	0.00
75) Chrysene-d12	13.90	240	287476	20.00	ng	0.00
86) Perylene-d12	15.32	264	198825	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	876829	99.51	ng	0.00
7) Phenol-d6	6.39	99	1186160	99.07	ng	0.00
23) Nitrobenzene-d5	7.32	82	716739	77.67	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	150203	93.03	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	874870	69.07	ng	0.00
78) Terphenyl-d14	12.85	244	594863	43.15	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.50	163	124184	9.129	ng	97
70) Phenanthrene	11.29	178	111965	6.973	ng	98
74) Fluoranthene	12.47	202	237559	14.175	ng	98
77) Pyrene	12.70	202	221901	9.438	ng	99
80) Benzo(a)anthracene	13.89	228	128149	7.438	ng	97
82) Chrysene	13.92	228	126557	7.384	ng	97
85) Indeno(1,2,3-cd)pyrene	16.69	276	48299	3.831	ng	# 88
87) Benzo(b)fluoranthene	14.91	252	145492m	11.609	ng	
88) Benzo(k)fluoranthene	14.93	252	44511m	3.780	ng	
89) Benzo(a)pyrene	15.26	252	88035	7.935	ng	97
91) Benzo(g,h,i)perylene	17.10	276	44582	4.730	ng	94

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



#1

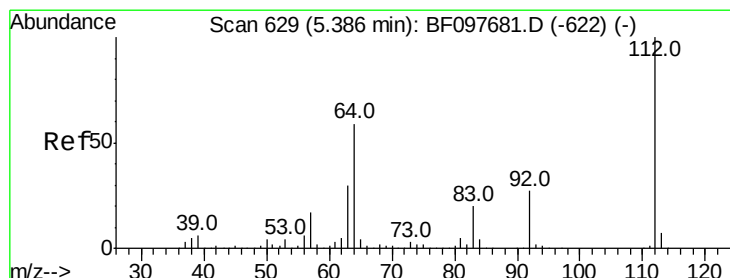
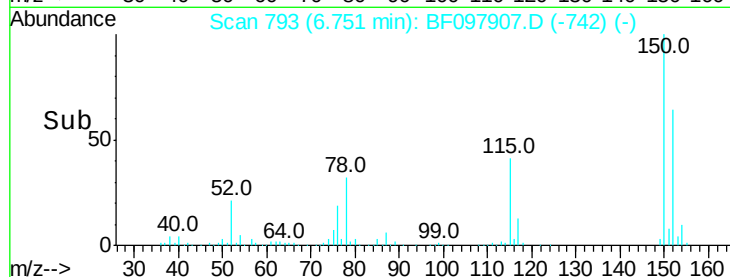
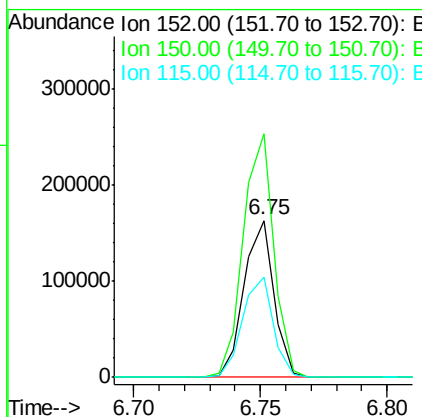
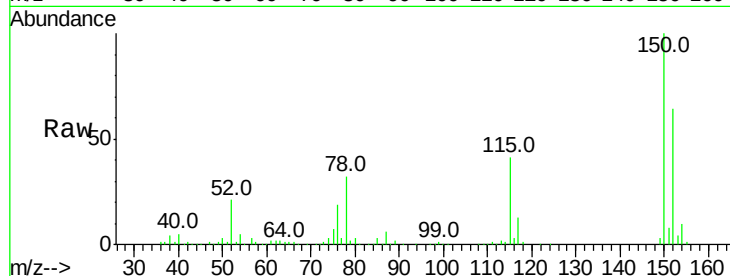
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF097907.D
Acq: 21 Aug 2017 15:38

Instrument :
BNA_F
ClientSampleId :
VNJ-207

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.2	189.2
115	64.3	52.2	78.2

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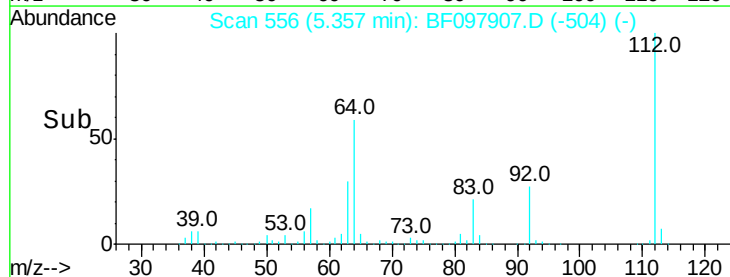
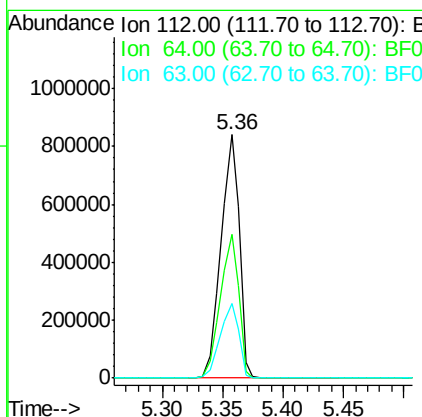
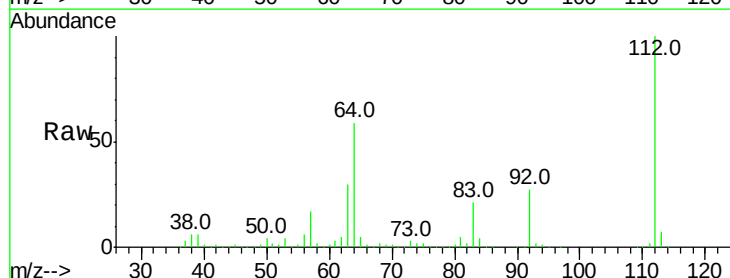
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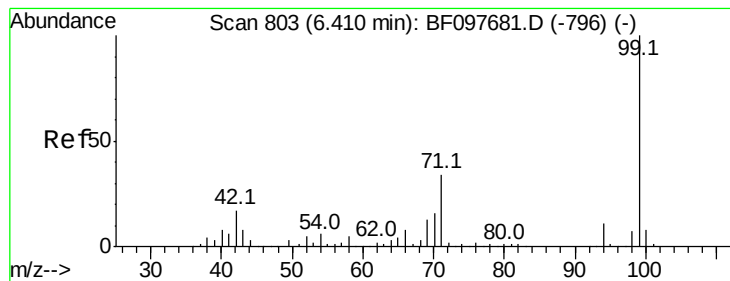


#5

2-Fluorophenol
Concen: 99.507 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF097907.D
Acq: 21 Aug 2017 15:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	46.0	69.0
63	30.4	23.4	35.0





#7

Phenol-d6

Concen: 99.073 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF097907.D

Acq: 21 Aug 2017 15:38

Instrument :

BNA_F

ClientSampleId :

VNJ-207

Tot Ion: 99 Resp: 1186160

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

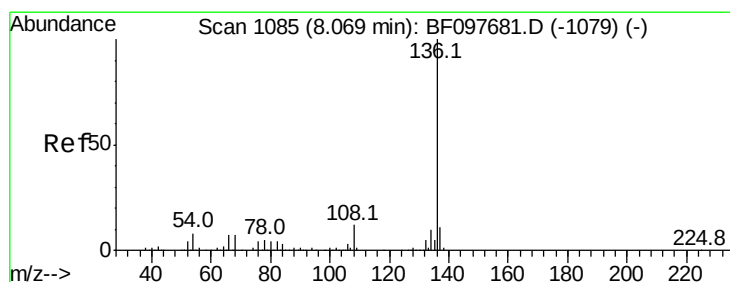
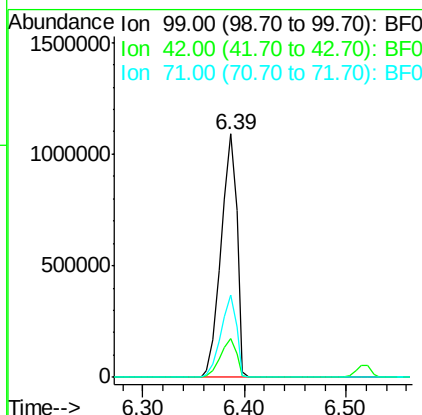
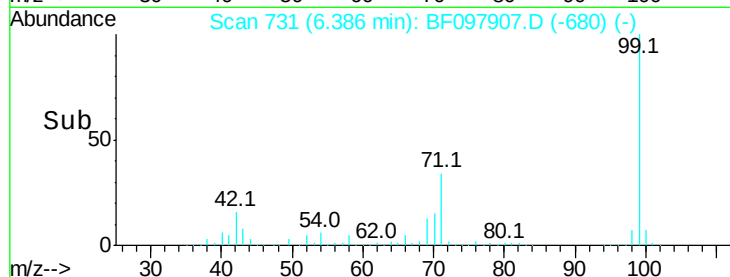
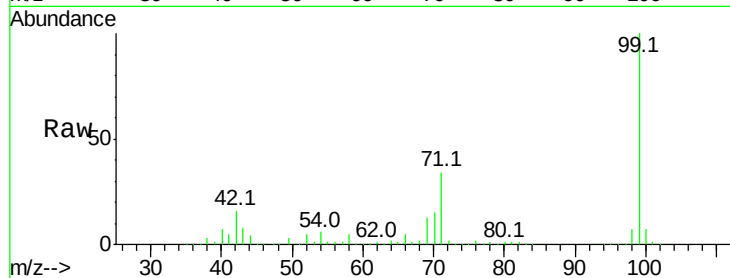
71 33.7 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF097907.D

Acq: 21 Aug 2017 15:38

Tgt Ion: 136 Resp: 501306

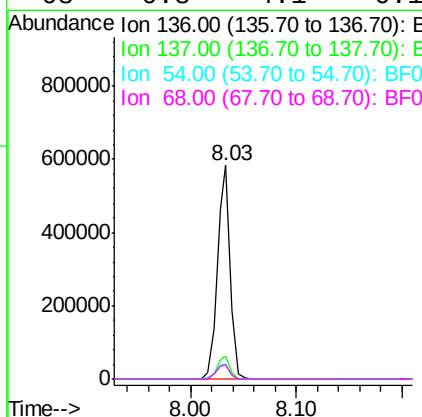
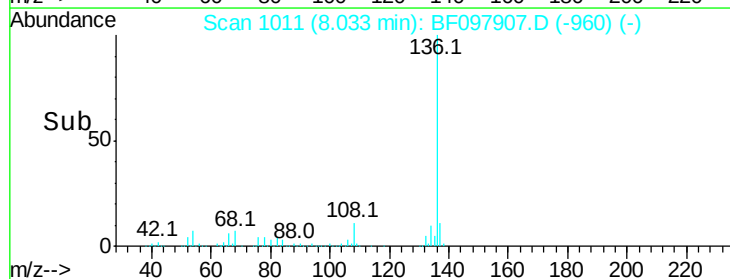
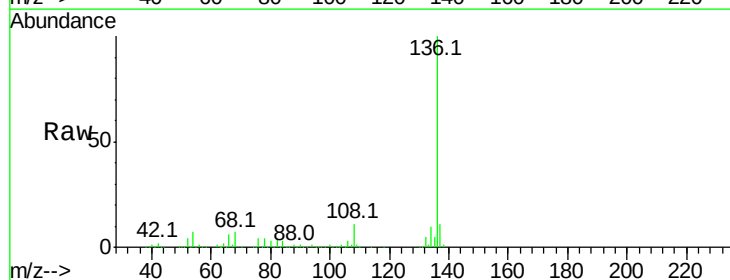
Ion Ratio Lower Upper

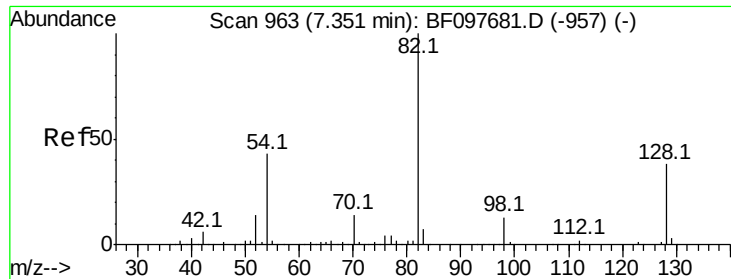
136 100

137 10.9 8.5 12.7

54 7.3 4.9 7.3#

68 6.8 4.1 6.1#





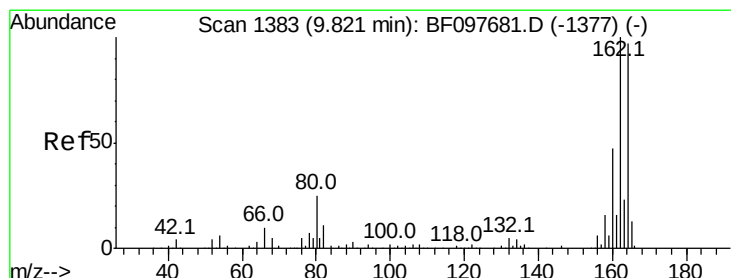
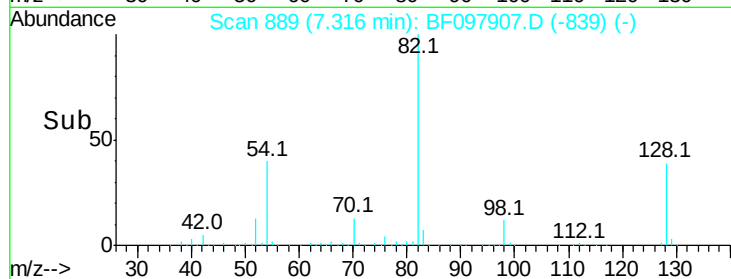
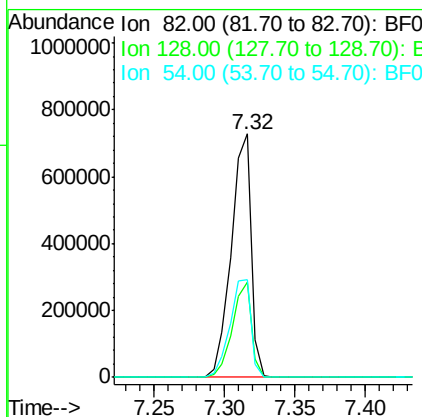
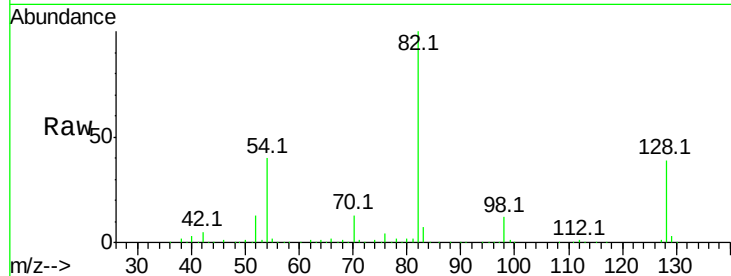
#23
 Nitrobenzene-d5
 Concen: 77.670 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF097907.D
 Acq: 21 Aug 2017 15:38

Instrument :
 BNA_F
 ClientSampled :
 VNJ-207

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.9	34.0	51.0	
54	40.2	42.2	63.2	

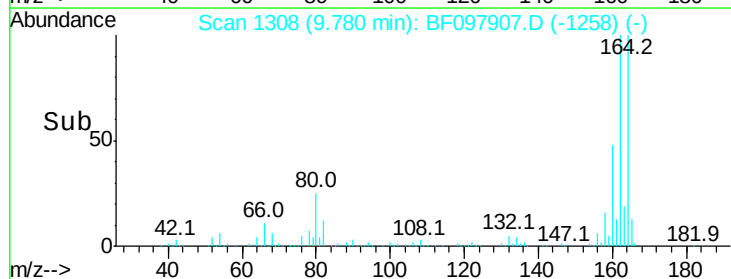
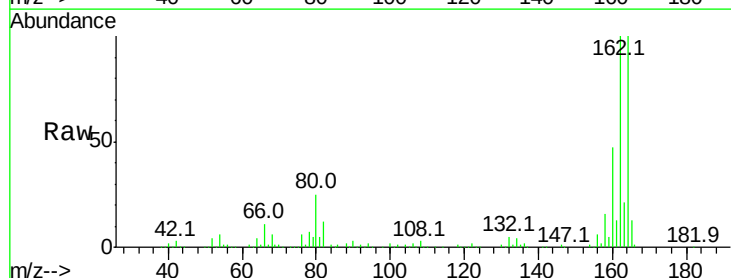
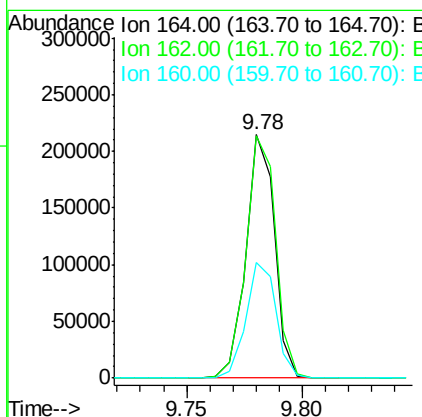
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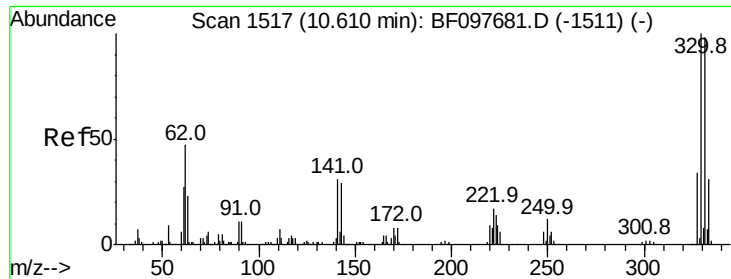
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097907.D
 Acq: 21 Aug 2017 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.8	82.6	123.8	
160	47.4	36.2	54.2	





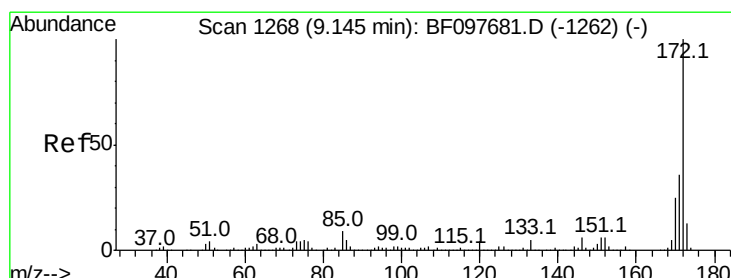
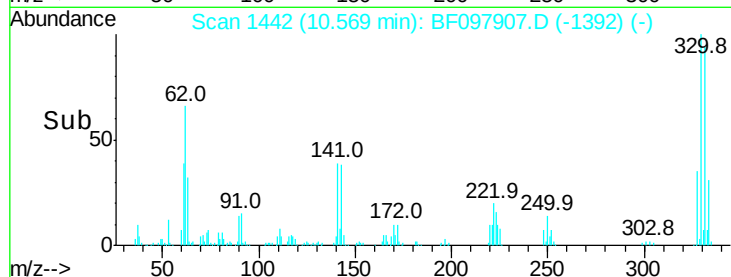
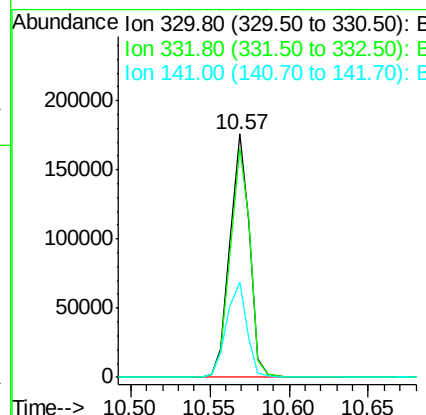
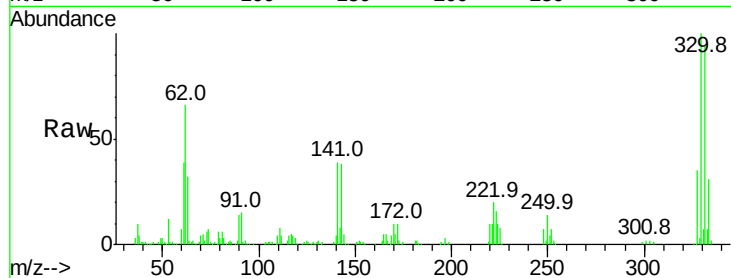
#41
 2,4,6-Tribromophenol
 Concen: 93.026 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097907.D
 Acq: 21 Aug 2017 15:38

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-207

Tot Ion	Ratio	Resp	Lower	Upper
330	100	150203		
332	95.2	76.6	115.0	
141	41.1	31.4	47.2	

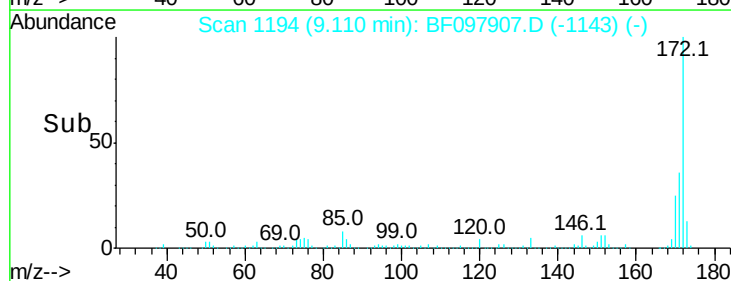
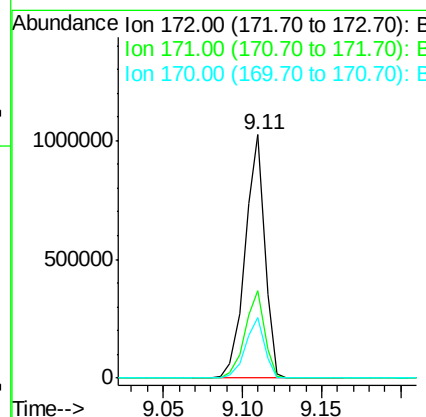
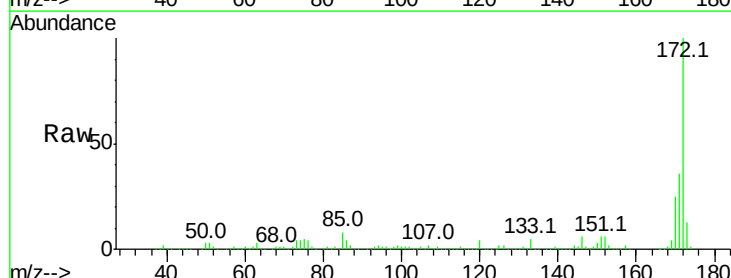
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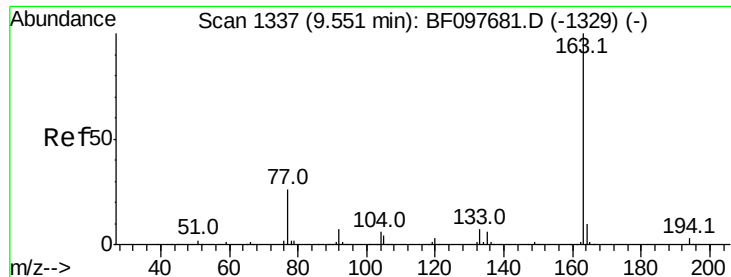
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#44
 2-Fluorobiphenyl
 Concen: 69.072 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: BF097907.D
 Acq: 21 Aug 2017 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	874870		
171	35.7	29.6	44.4	
170	24.8	19.8	29.8	





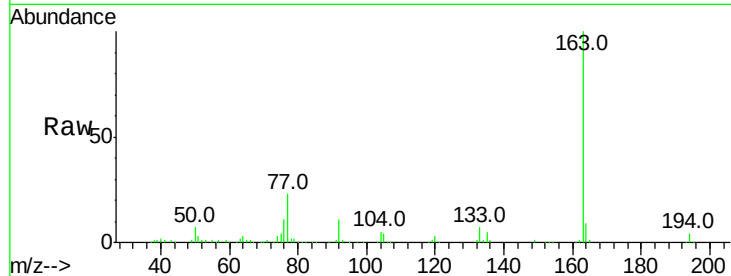
#49
Dimethylphthalate
Concen: 9.129 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097907.D
Acq: 21 Aug 2017 15:38

Instrument :
BNA_F
ClientSampleId :
VNJ-207

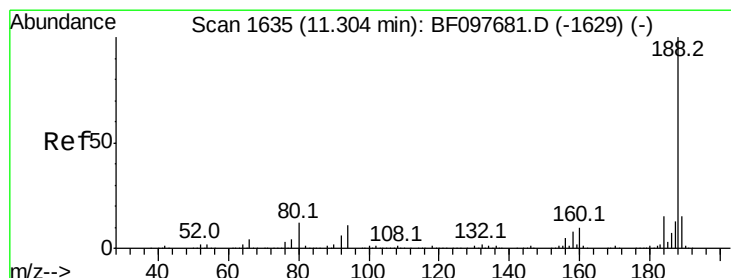
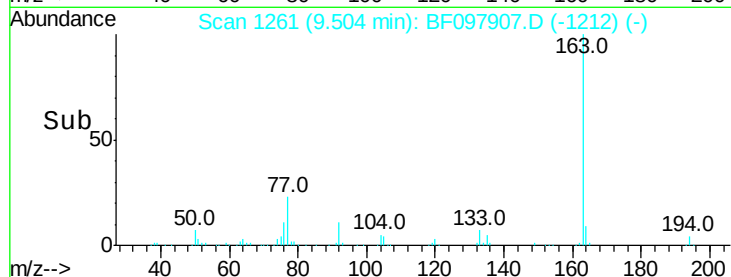
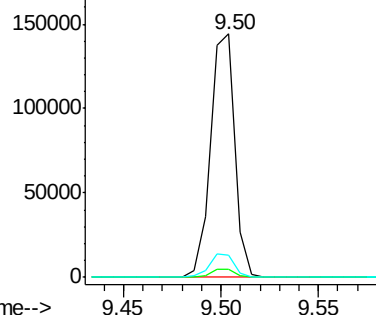
Tot Ion	Ratio	Resp	Lower	Upper
163	100	124184		
194	3.6	2.6	4.0	
164	9.2	8.4	12.6	

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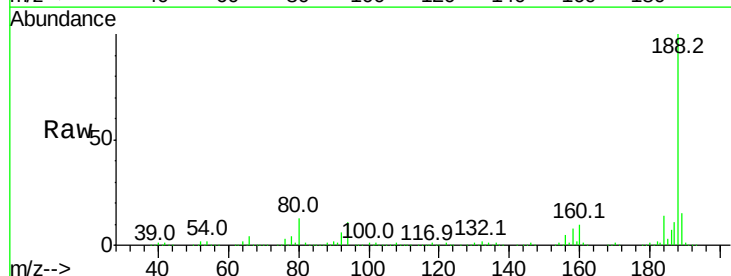


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

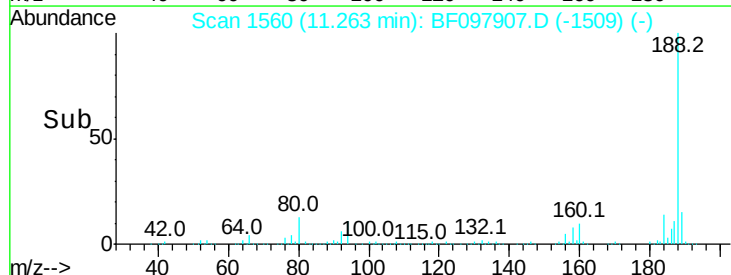
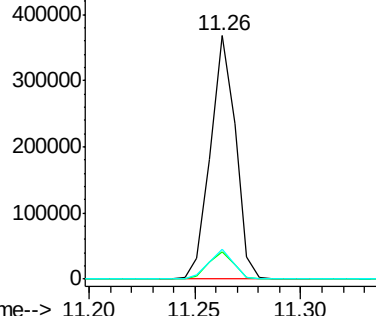


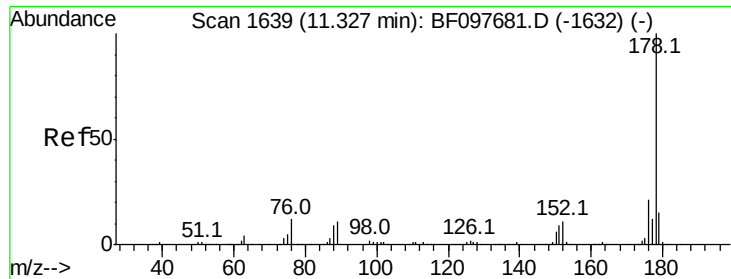
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF097907.D
Acq: 21 Aug 2017 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	301319		
94	11.2	9.4	14.2	
80	12.5	10.2	15.2	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





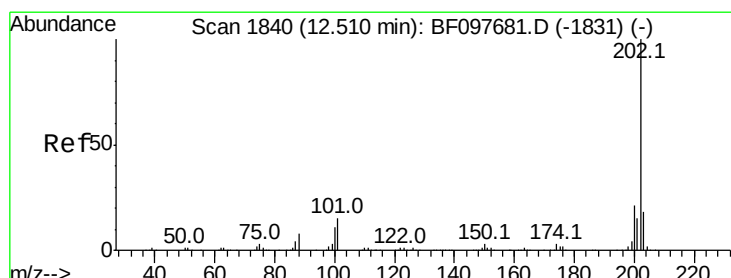
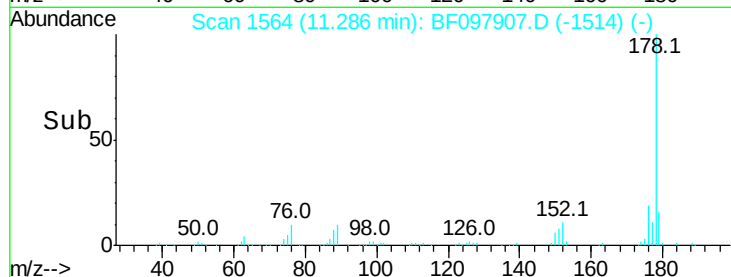
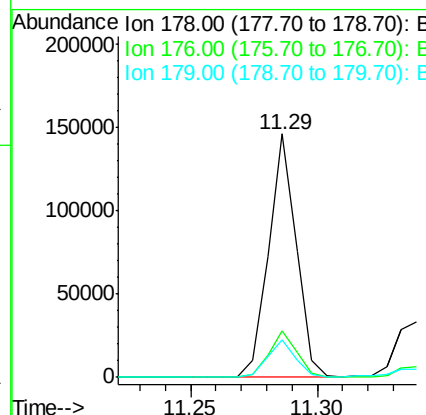
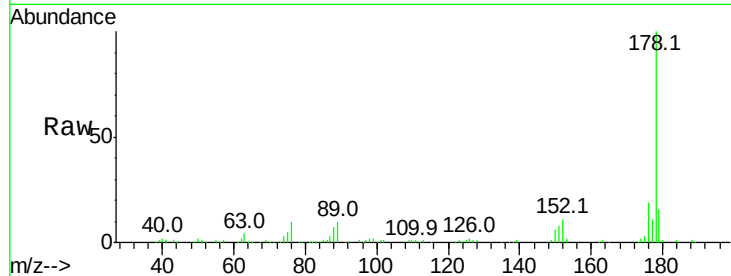
#70
Phenanthrene
Concen: 6.973 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097907.D
Acq: 21 Aug 2017 15:38

Instrument :
BNA_F
ClientSampleId :
VNJ-207

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.6	12.6	19.0

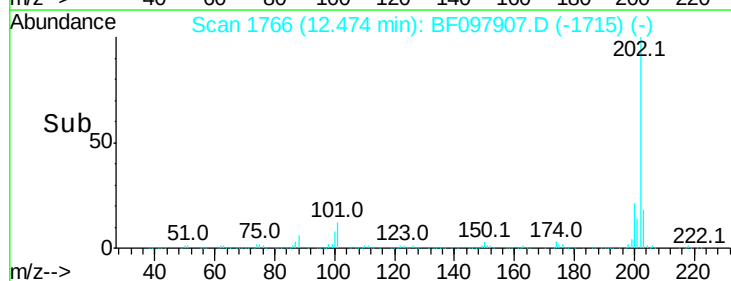
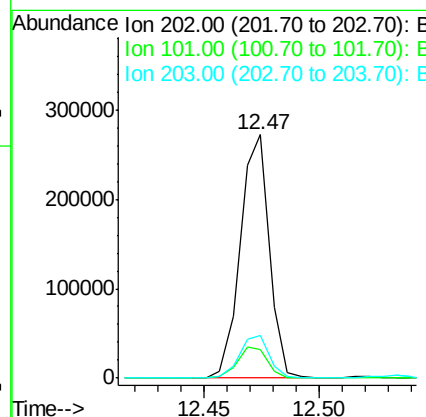
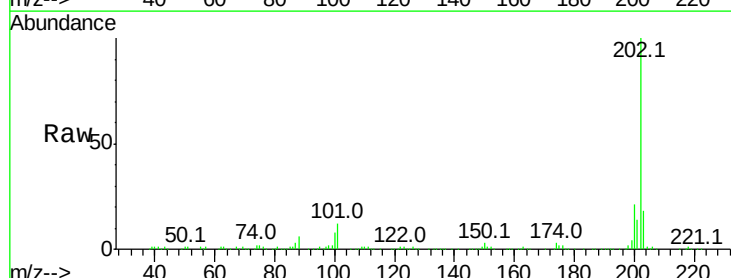
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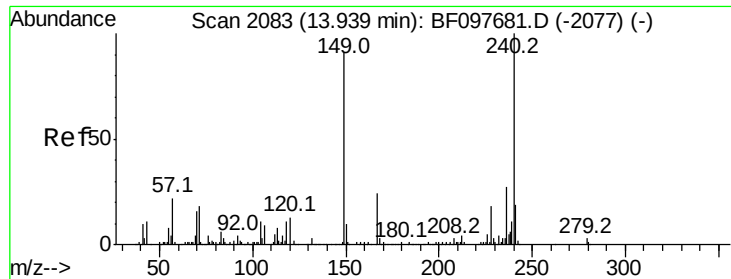
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#74
Fluoranthene
Concen: 14.175 ng
RT: 12.47 min Scan# 1766
Delta R.T. -0.00 min
Lab File: BF097907.D
Acq: 21 Aug 2017 15:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	17.7	0.0	38.1





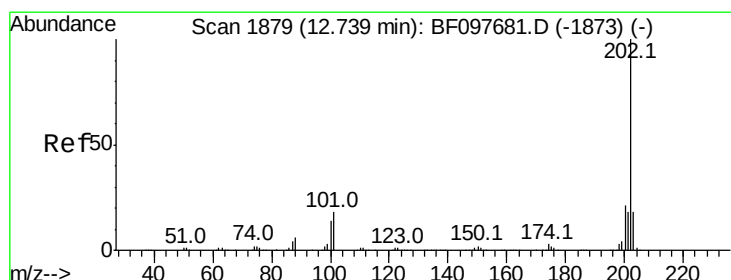
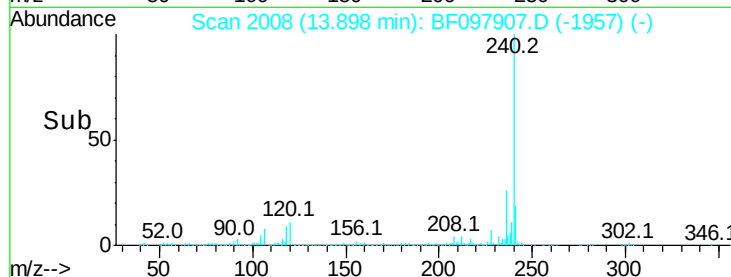
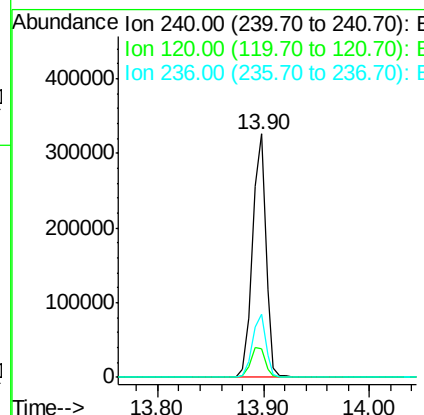
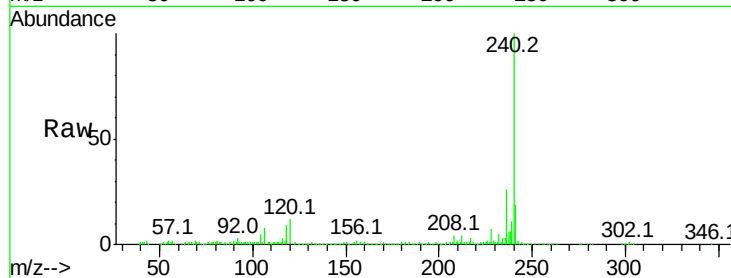
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF097907.D
Acq: 21 Aug 2017 15:38

Instrument :
BNA_F
ClientSampleId :
VNJ-207

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	5.8	8.8#
236	26.2	20.5	30.7

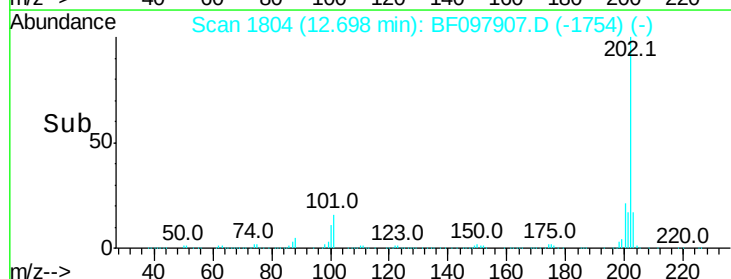
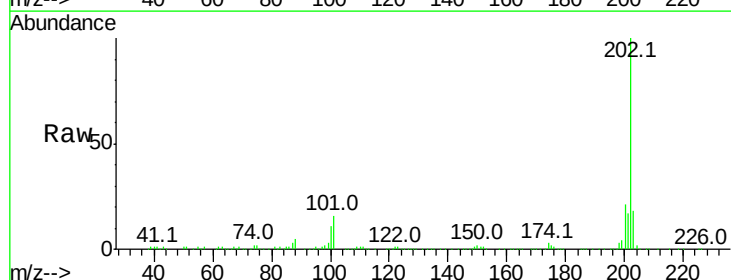
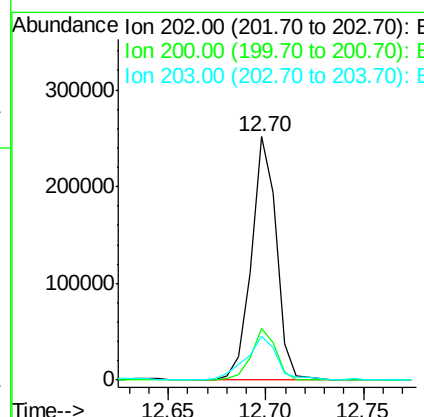
Manual Integrations
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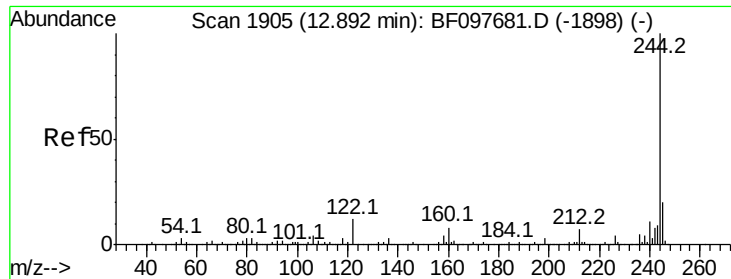
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#77
Pyrene
Concen: 9.438 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF097907.D
Acq: 21 Aug 2017 15:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	17.8	14.4	21.6





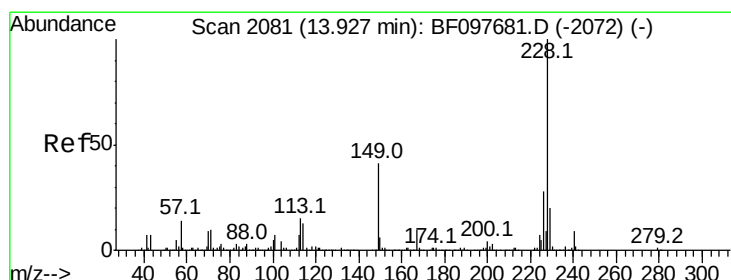
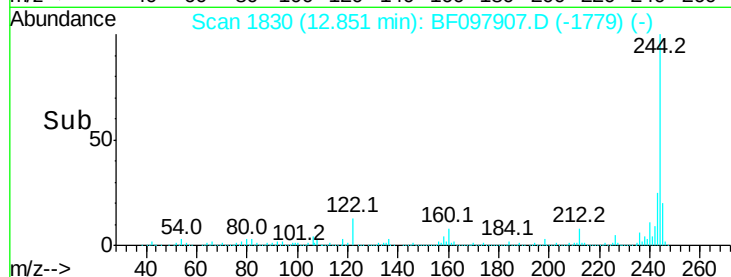
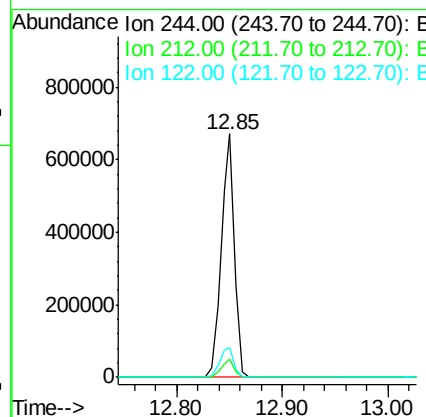
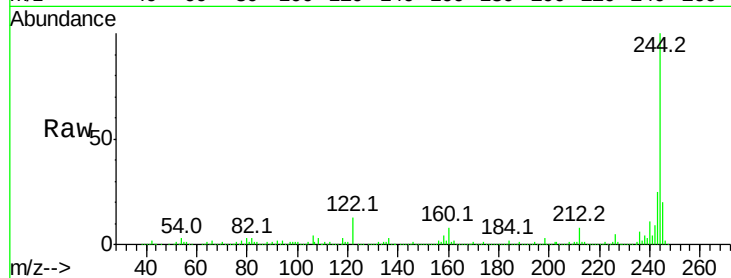
#78
 Terphenyl-d14
 Concen: 43.151 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.00 min
 Lab File: BF097907.D
 Acq: 21 Aug 2017 15:38

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-207

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	12.5	10.3	15.5

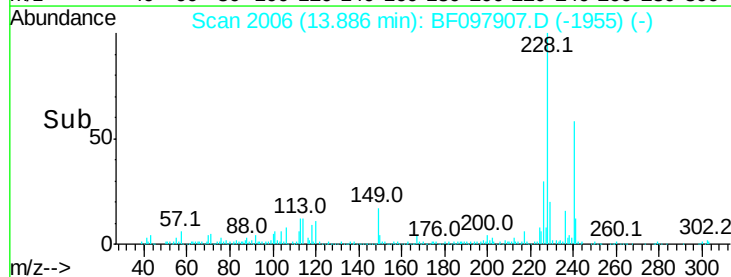
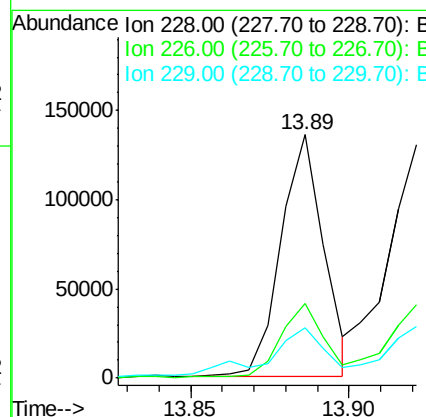
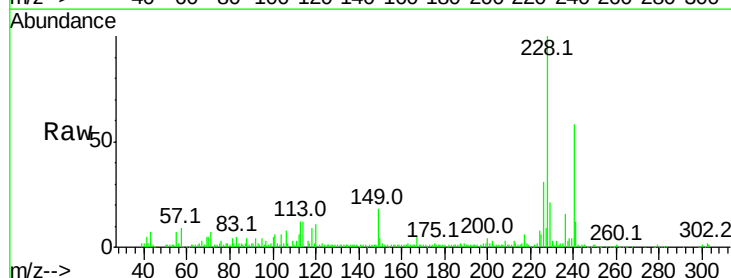
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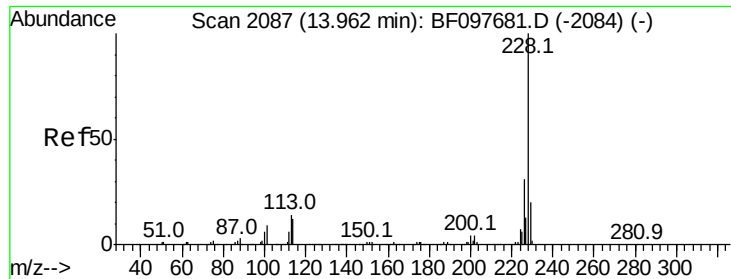
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#80
 Benzo(a)anthracene
 Concen: 7.438 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF097907.D
 Acq: 21 Aug 2017 15:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	20.6	16.3	24.5





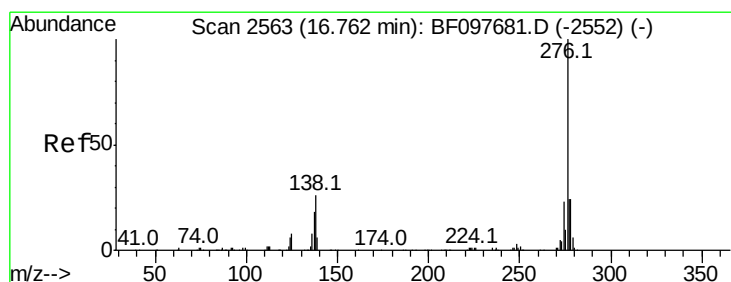
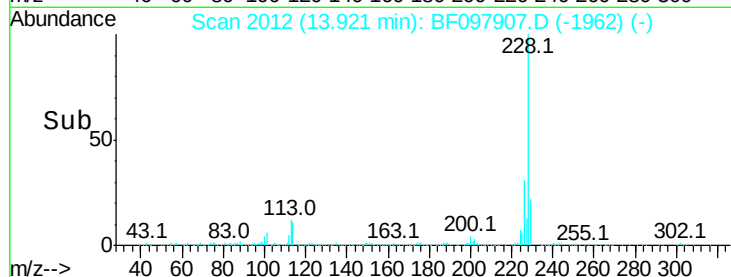
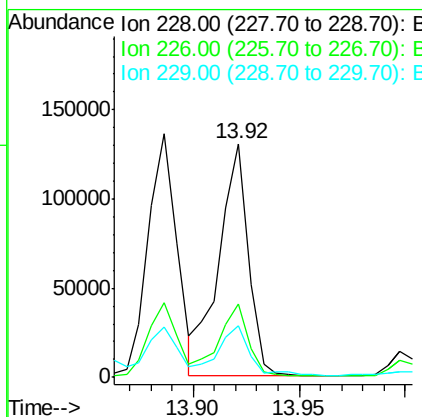
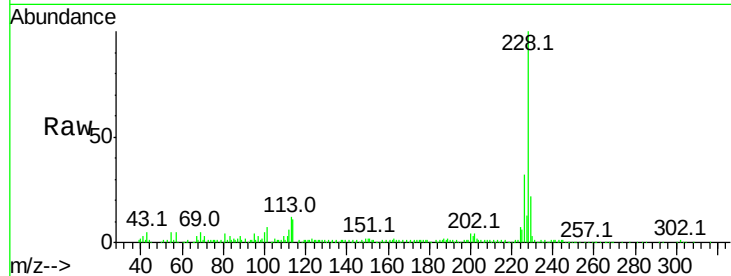
#82
Chrysene
Concen: 7.384 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097907.D
Acq: 21 Aug 2017 15:38

Instrument :
BNA_F
ClientSampleId :
VNJ-207

Tot Ion	Ratio	Resp	Lower	Upper
228	100	126557		
226	31.5		24.9	37.3
229	22.3		15.8	23.6

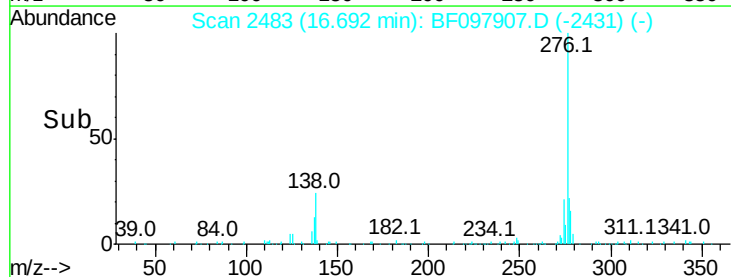
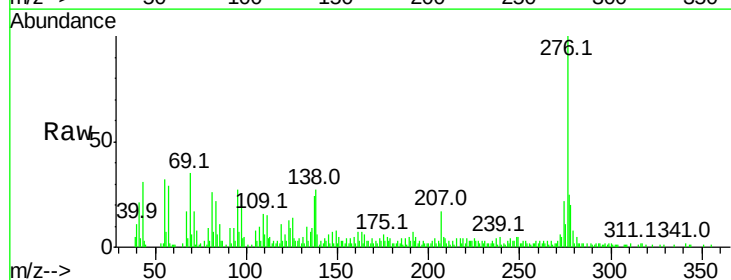
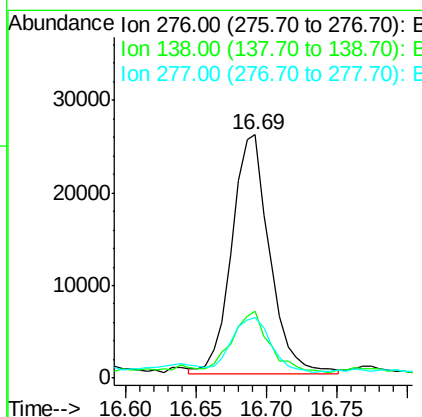
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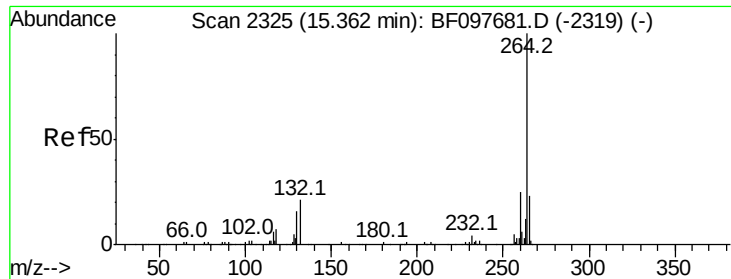
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.831 ng
RT: 16.69 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BF097907.D
Acq: 21 Aug 2017 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	48299		
138	24.5		27.8	41.6#
277	23.2		20.2	30.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2249

Delta R.T. 0.01 min

Lab File: BF097907.D

Acq: 21 Aug 2017 15:38

Instrument :

BNA_F

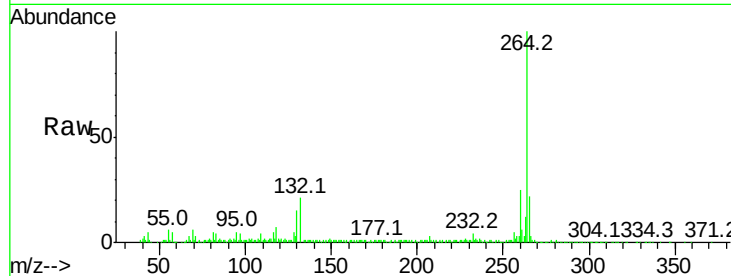
ClientSampleId :

VNJ-207

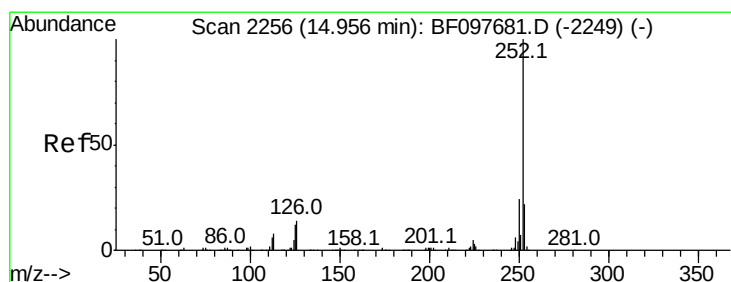
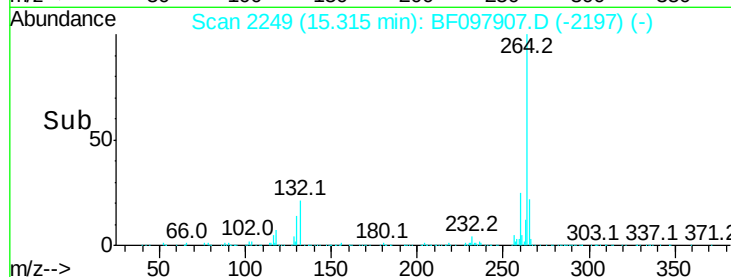
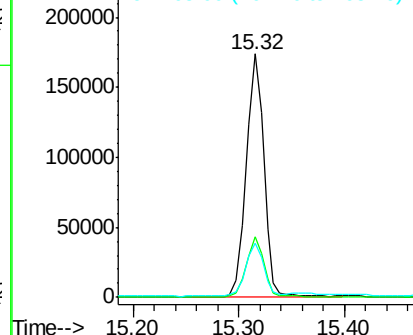
Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.7	19.5	29.3	
265	22.0	17.2	25.8	

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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: 11.609 ng m

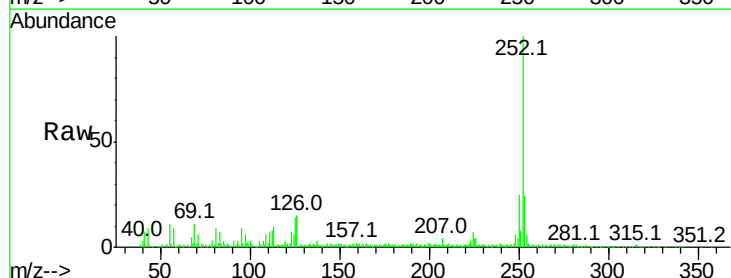
RT: 14.91 min Scan# 2180

Delta R.T. -0.00 min

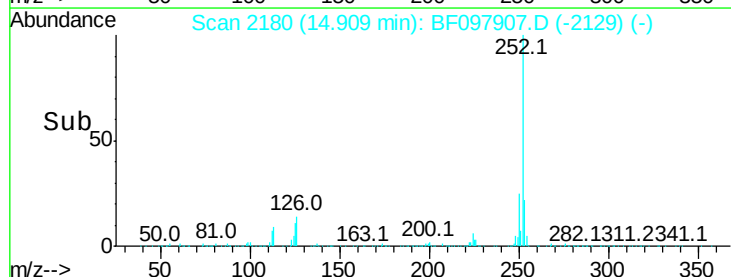
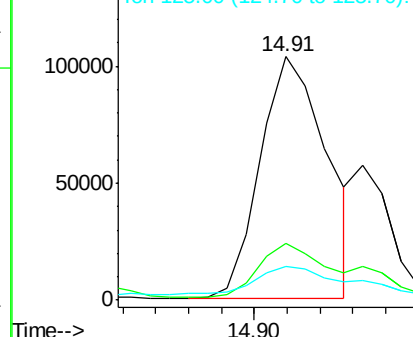
Lab File: BF097907.D

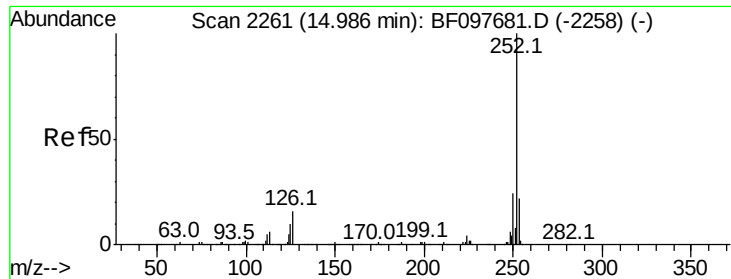
Acq: 21 Aug 2017 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.5	18.1	27.1	
125	13.6	9.8	14.8	



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





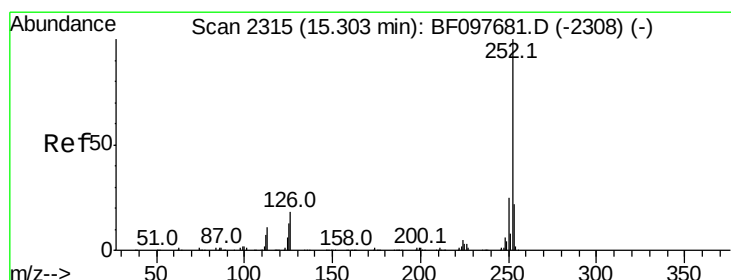
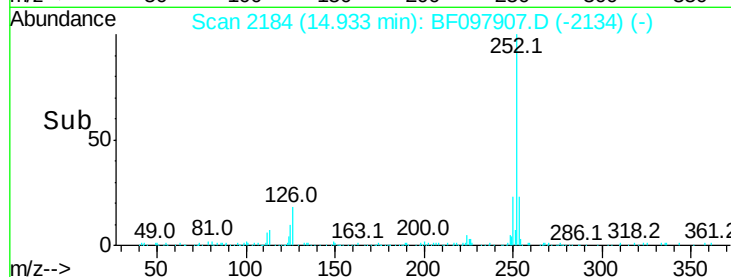
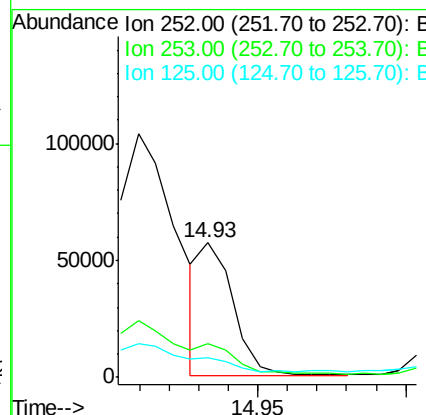
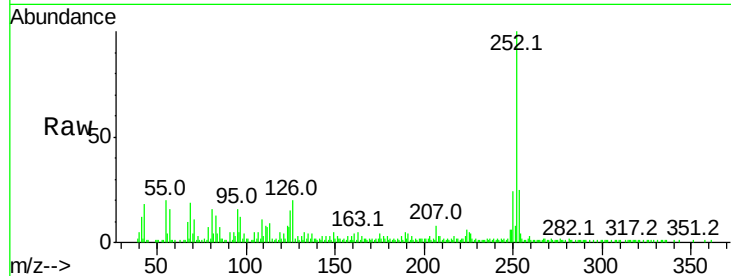
#88
Benzo(k)fluoranthene
Concen: 3.780 ng m
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF097907.D
Acq: 21 Aug 2017 15:38

Instrument :
BNA_F
ClientSampled :
VNJ-207

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.4	27.6
125	14.8	13.1	19.7

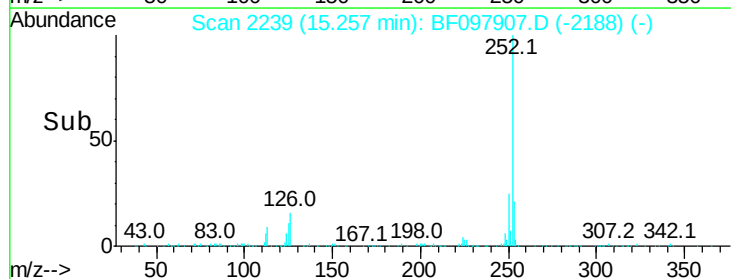
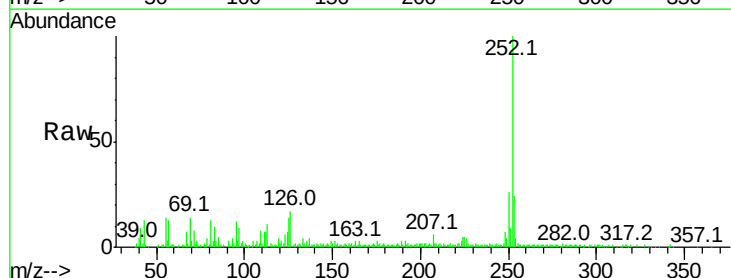
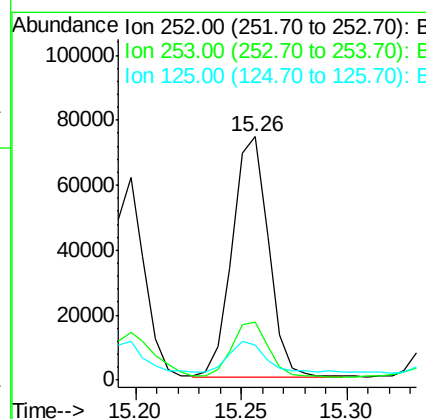
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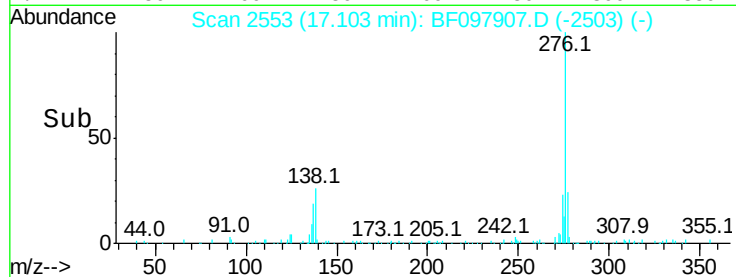
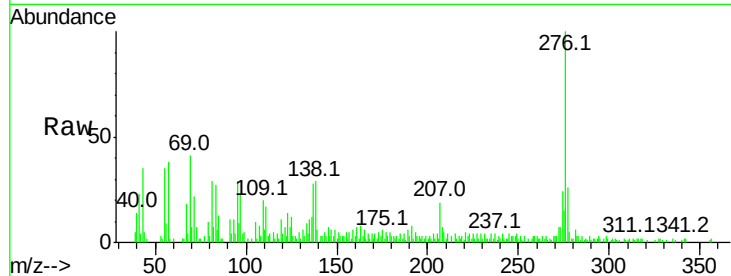
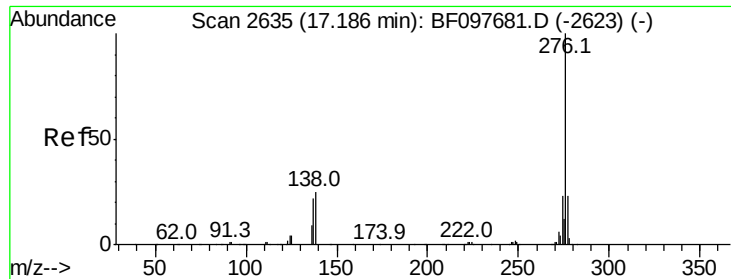
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#89
Benzo(a)pyrene
Concen: 7.935 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BF097907.D
Acq: 21 Aug 2017 15:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	14.4	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 4.730 ng

RT: 17.10 min Scan# 2553

Delta R.T. -0.01 min

Lab File: BF097907.D

Acq: 21 Aug 2017 15:38

Instrument :

BNA_F

ClientSampleId :

VNJ-207

Tot Ion:276 Resp: 44582

Ion Ratio Lower Upper

276 100

277 26.3 18.6 28.0

138 28.8 25.4 38.0

Manual Integrations

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