

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098479.D
 Acq On : 13 Sep 2017 5:08
 Operator : SJ/JU
 Sample : I5186-01 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 284-GRAB

Manual Integrations
 APPROVED

Sohil
 9/13/2017 5:00:29 PM

Quant Time: Sep 13 05:50:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	216495	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	813973	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	306960	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	484414	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	380993	20.00	ng	0.00
86) Perylene-d12	15.21	264	274703	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	446449	30.49	ng	-0.01
7) Phenol-d6	6.30	99	542391	29.17	ng	-0.02
23) Nitrobenzene-d5	7.23	82	307130	21.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	57943	28.28	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	516915	28.54	ng	-0.02
78) Terphenyl-d14	12.76	244	357534	20.26	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.42	163	56310	2.370	ng	Qvalue 98
70) Phenanthrene	11.20	178	54268	2.113	ng	98
74) Fluoranthene	12.39	202	161095	6.266	ng	99
77) Pyrene	12.61	202	189893	6.318	ng	99
80) Benzo(a)anthracene	13.80	228	90741	4.062	ng	97
82) Chrysene	13.83	228	83282	3.688	ng	97
85) Indeno(1,2,3-cd)pyrene	16.56	276	37179	2.347	ng	95
87) Benzo(b)fluoranthene	14.82	252	96285m	5.574	ng	
88) Benzo(k)fluoranthene	14.84	252	35549m	2.205	ng	
89) Benzo(a)pyrene	15.16	252	67731	4.402	ng	# 86
91) Benzo(g,h,i)perylene	16.96	276	43937	3.902	ng	98

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

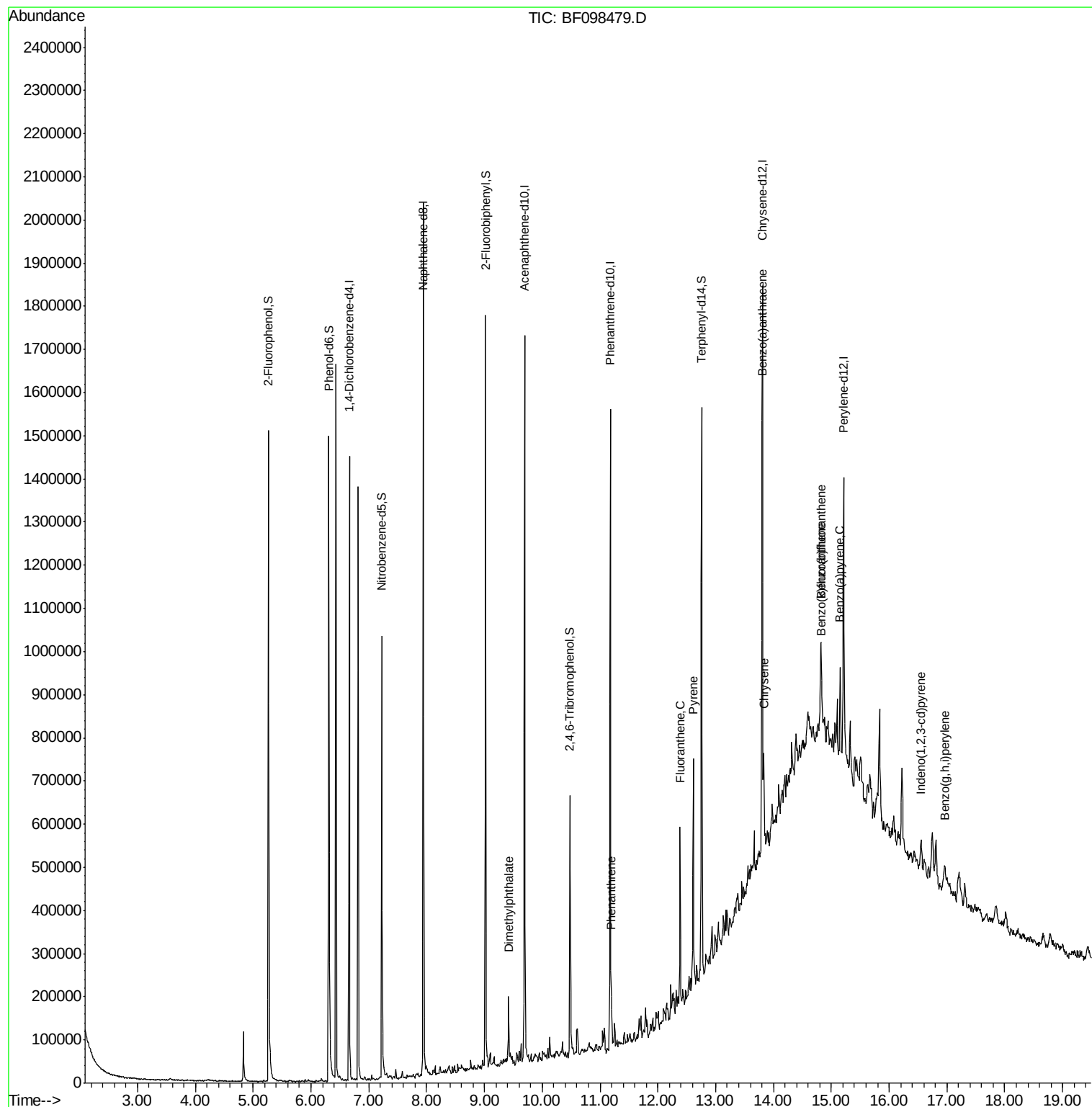
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091217\
Data File : BF098479.D
Acq On : 13 Sep 2017 5:08
Operator : SJ/JU
Sample : I5186-01 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

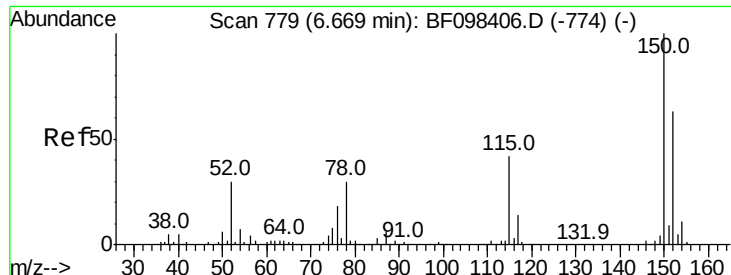
Instrument :
BNA_F
ClientSampleId :
284-GRAB

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Sohil
9/13/2017 5:00:29 PM

Quant Time: Sep 13 05:50:53 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration





#1

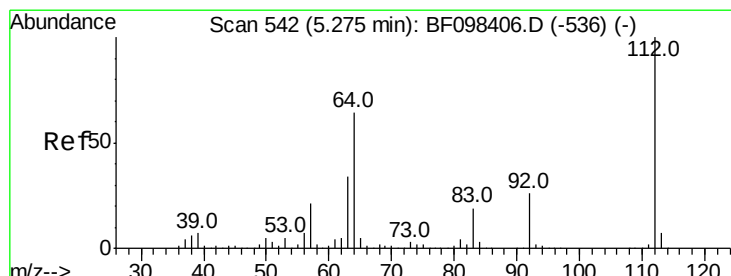
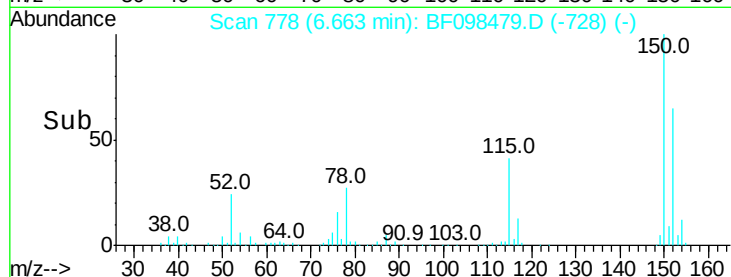
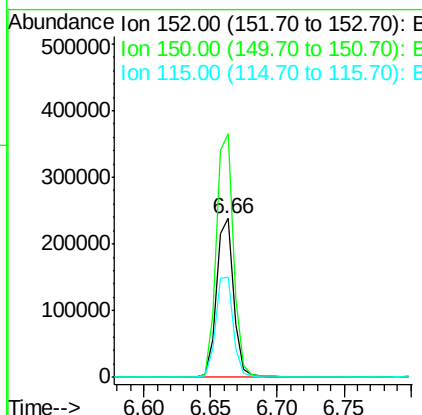
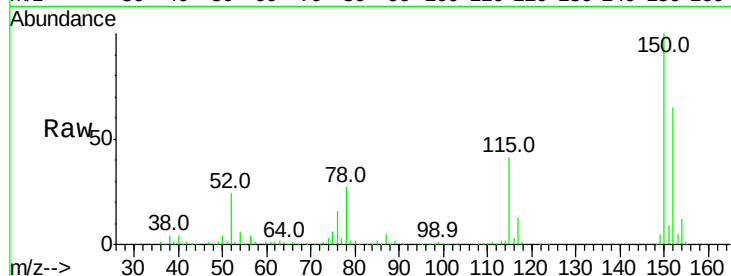
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Instrument :
BNA_F
ClientSampleId :
284-GRAB

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.2	189.2
115	63.1	52.2	78.2

Manual Integrations
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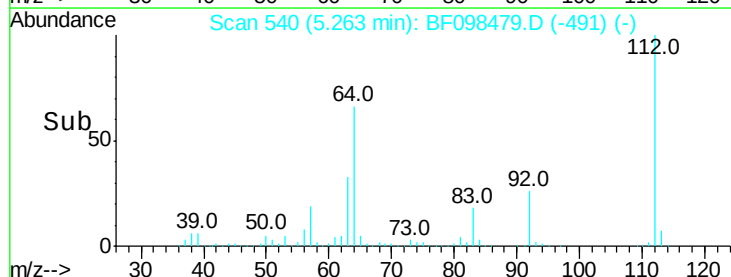
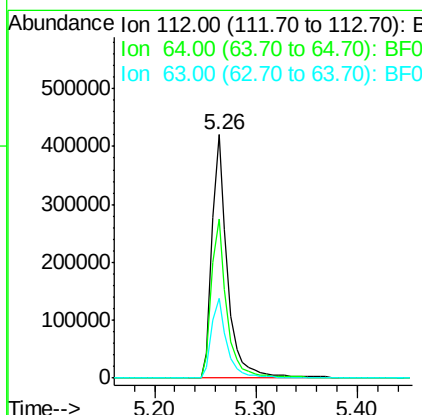
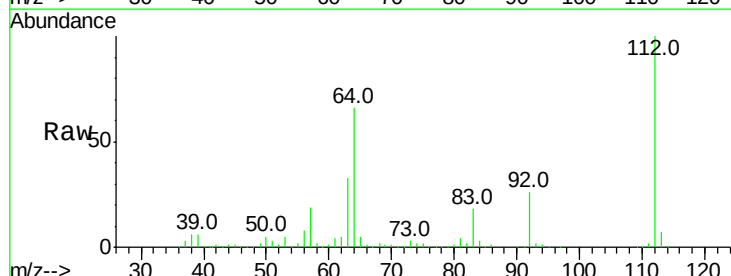
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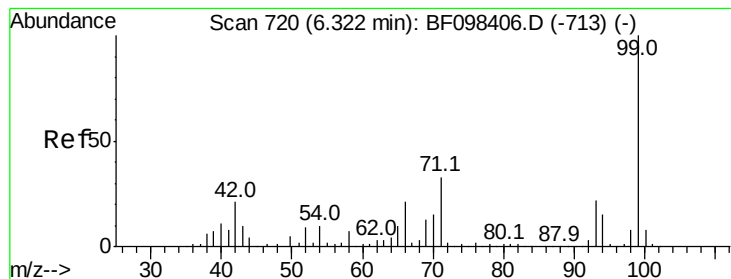


#5

2-Fluorophenol
Concen: 30.490 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	46.0	69.0
63	32.6	23.4	35.0





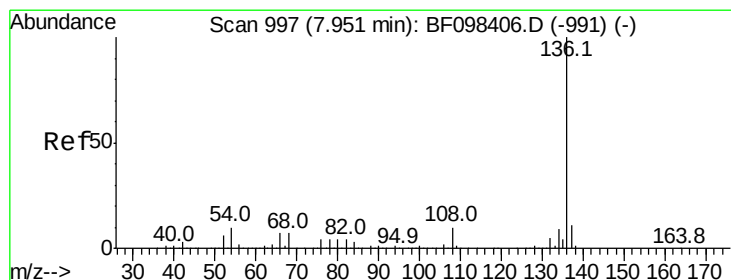
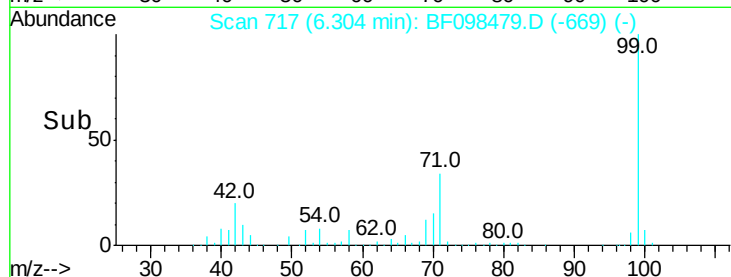
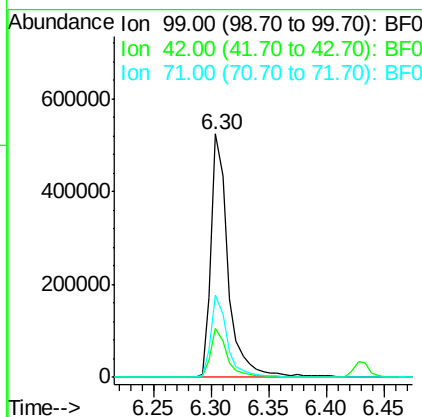
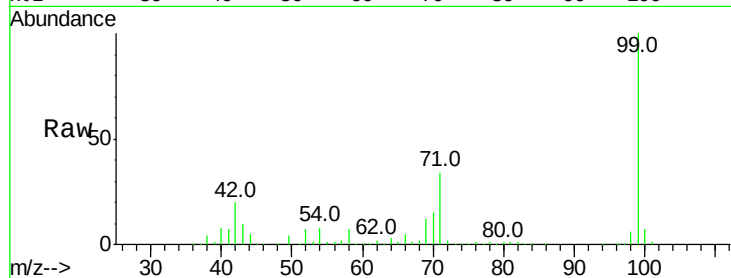
#7
 Phenol-d6
 Concen: 29.175 ng
 RT: 6.30 min Scan# 717
 Delta R.T. -0.02 min
 Lab File: BF098479.D
 Acq: 13 Sep 2017 5:08

Instrument :
 BNA_F
 ClientSampleId :
 284-GRAB

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		542391		
42	20.0	13.5	20.3		
71	33.7	24.5	36.7		

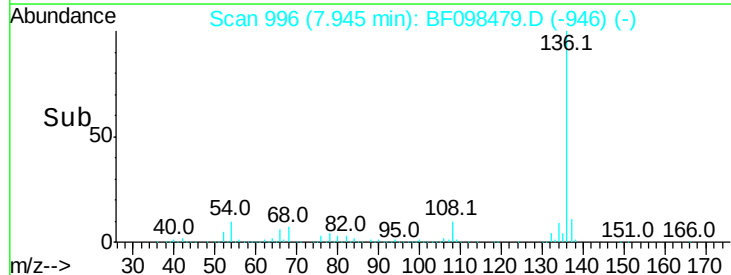
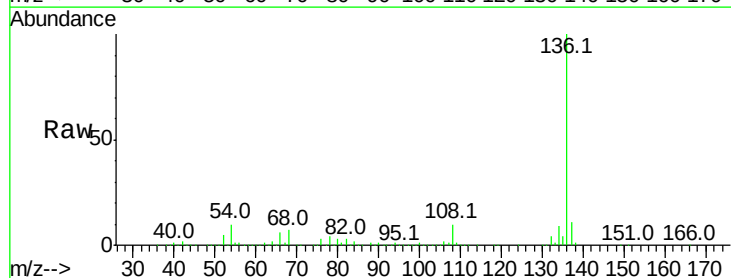
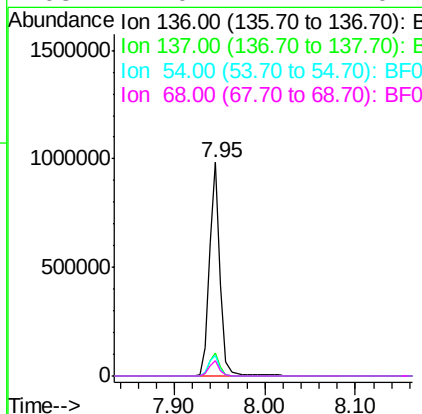
Manual Integrations
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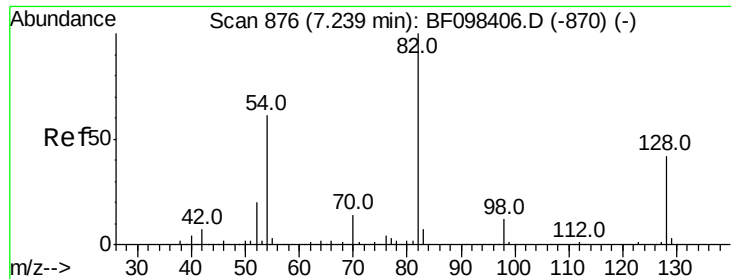
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#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 7.95 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: BF098479.D
 Acq: 13 Sep 2017 5:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		813973		
137	10.7	8.5	12.7		
54	9.7	4.9	7.3#		
68	7.0	4.1	6.1#		





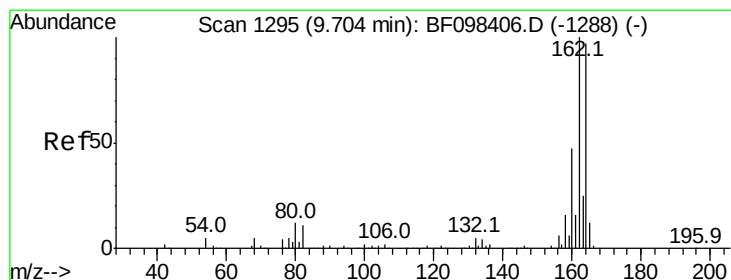
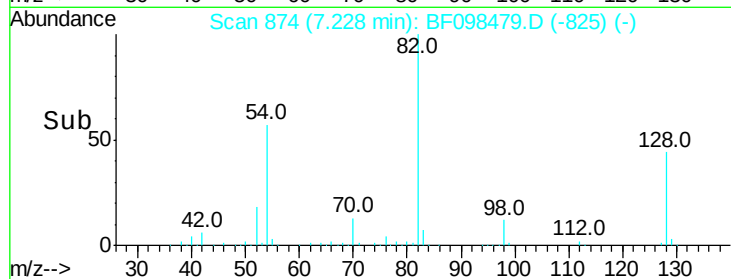
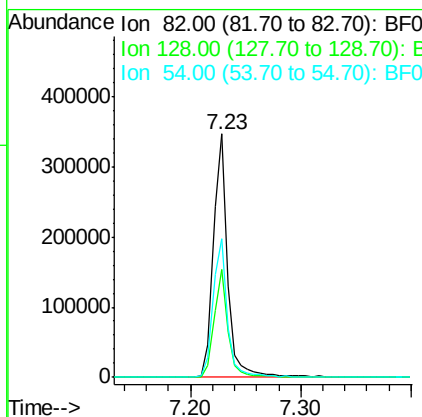
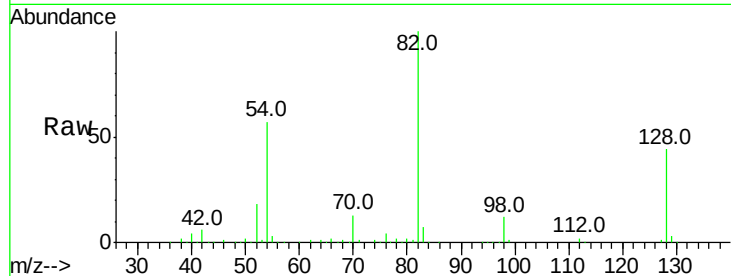
#23
Nitrobenzene-d5
Concen: 21.036 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Instrument :
BNA_F
ClientSampleId :
284-GRAB

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.0	51.0
54	57.1	42.2	63.2

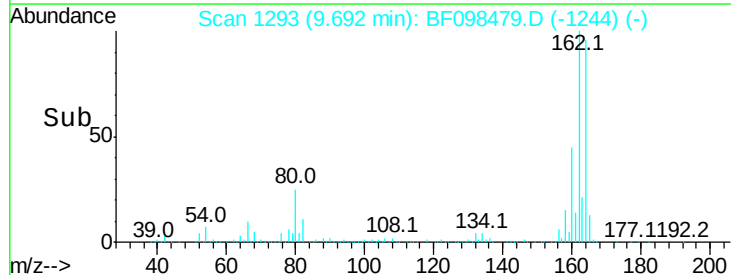
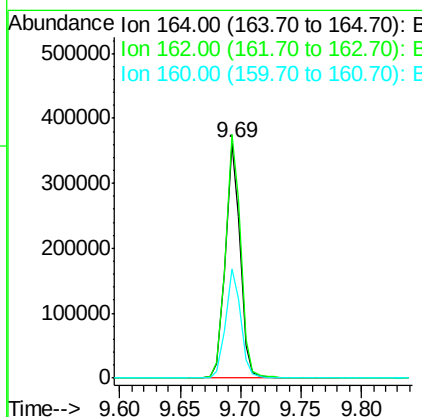
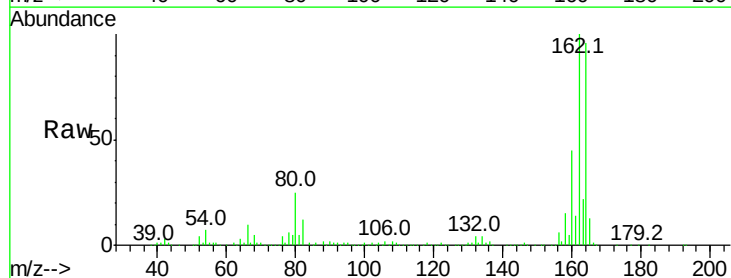
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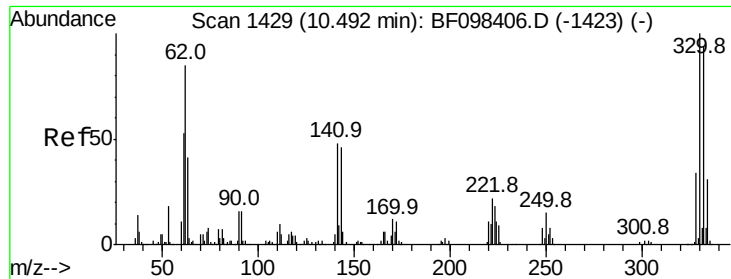
Sohil
9/13/2017 5:00:29 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.6	123.8
160	46.4	36.2	54.2





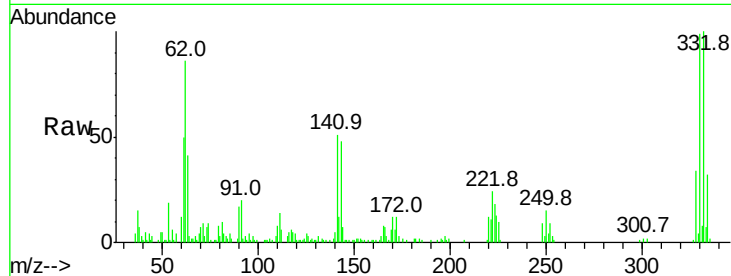
#41
 2,4,6-Tribromophenol
 Concen: 28.283 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF098479.D
 Acq: 13 Sep 2017 5:08

Instrument :
 BNA_F
 ClientSampled :
 284-GRAB

Tot Ion	Ratio	Resp	Lower	Upper
330	100	57943		
332	98.0		76.6	115.0
141	44.5		31.4	47.2

Manual Integrations
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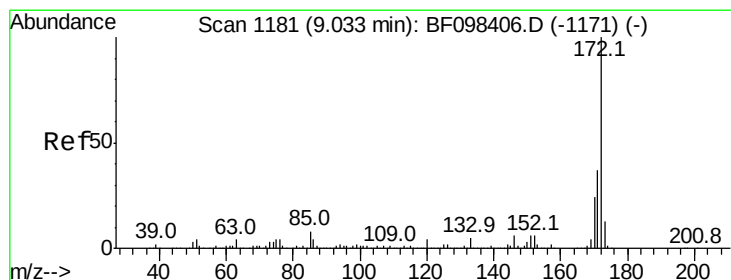
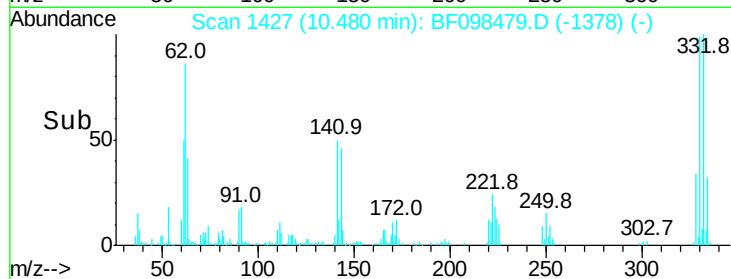
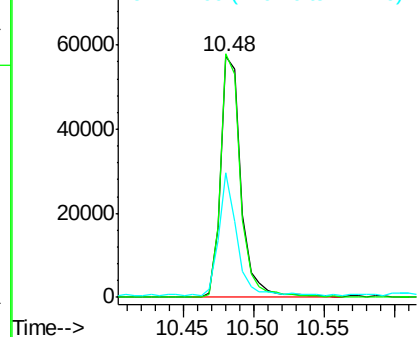


Abundance

Ion 329.80 (329.50 to 330.50): E

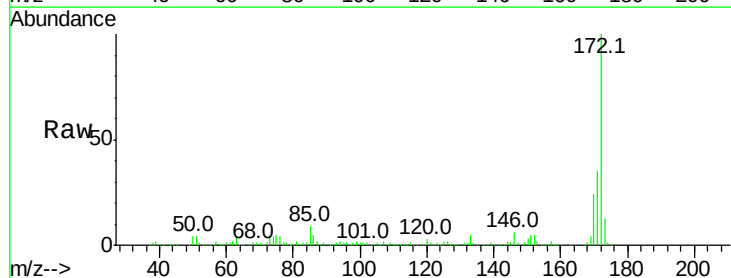
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 28.542 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BF098479.D
 Acq: 13 Sep 2017 5:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	516915		
171	34.8		29.6	44.4
170	23.5		19.8	29.8

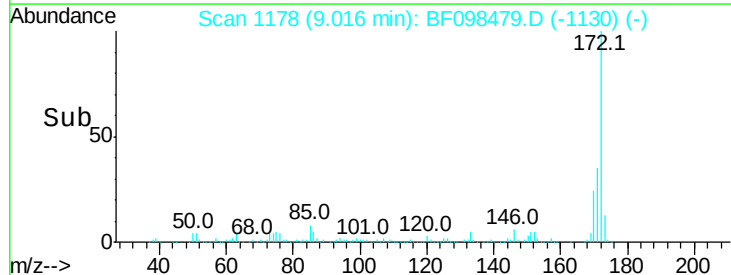
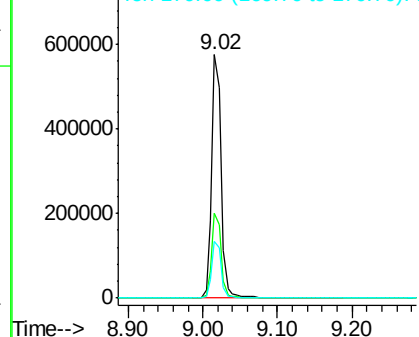


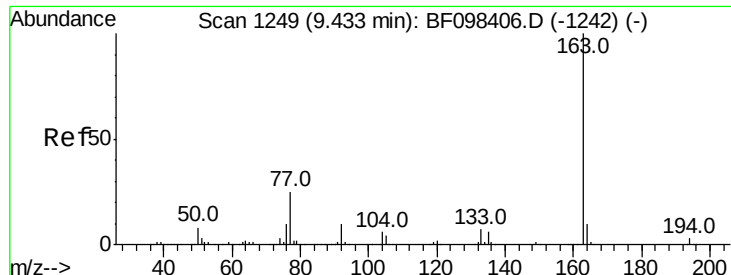
Abundance

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





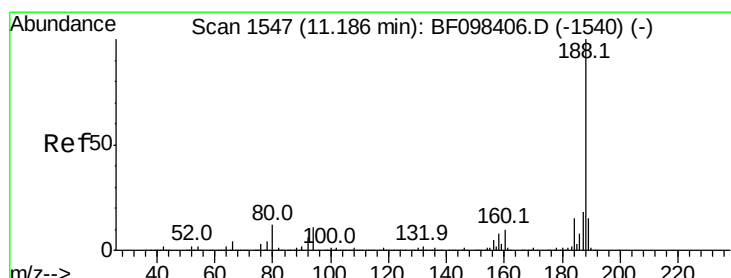
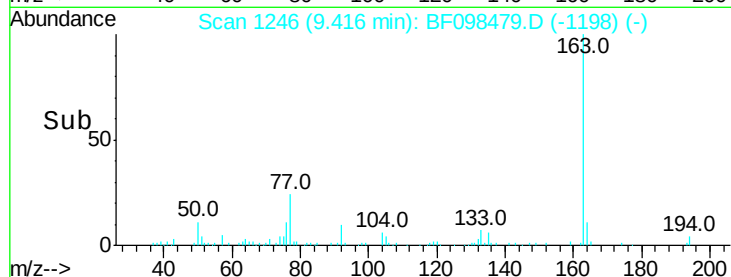
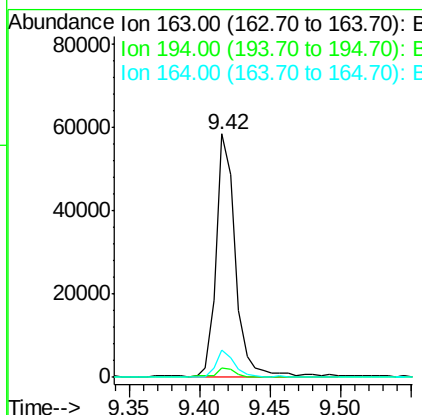
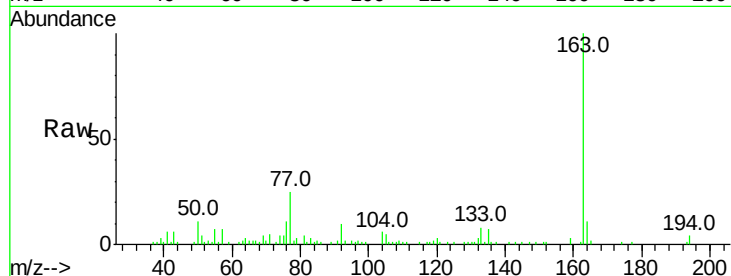
#49
Dimethylphthalate
Concen: 2.370 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Instrument :
BNA_F
ClientSampleId :
284-GRAB

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.6	4.0	
164	11.1	8.4	12.6	

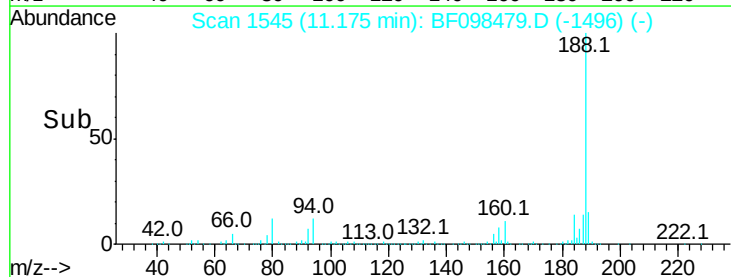
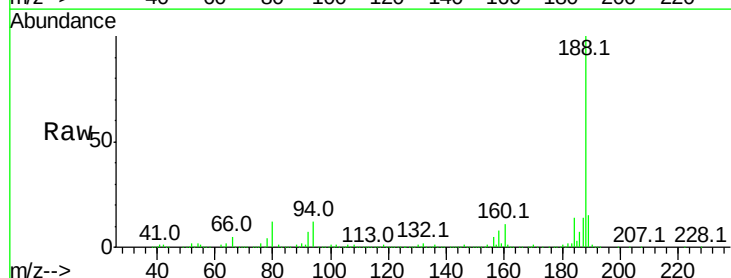
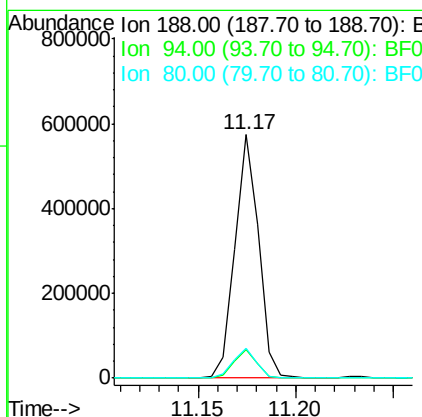
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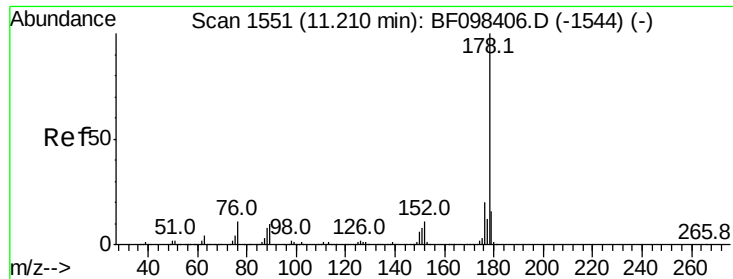
Sohil
9/13/2017 5:00:29 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.7	9.4	14.2	
80	12.3	10.2	15.2	





#70

Phenanthrene

Concen: 2.113 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

Instrument :

BNA_F

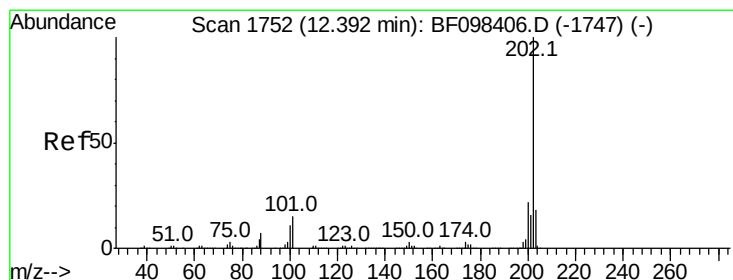
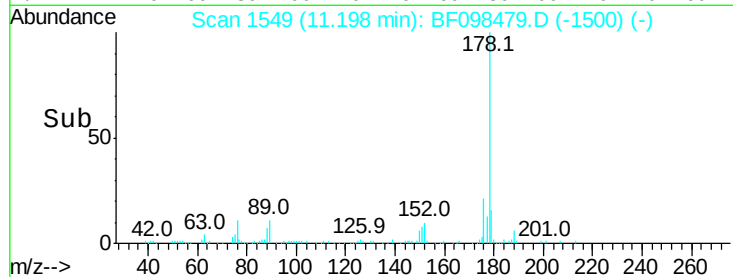
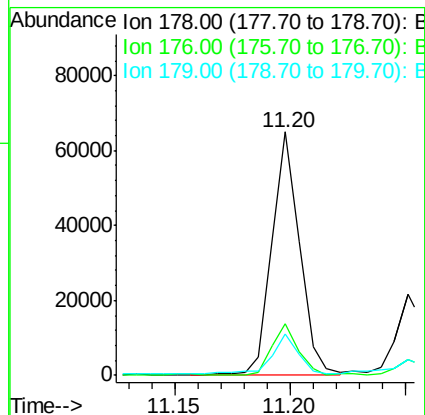
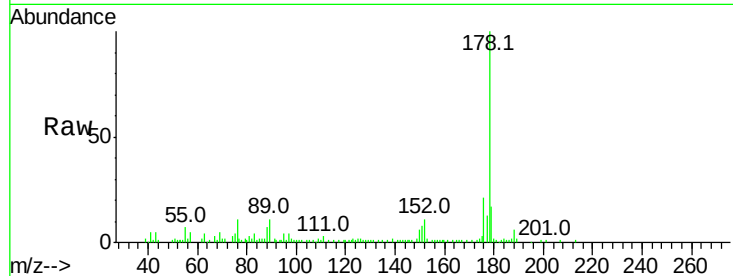
ClientSampleId :

284-GRAB

Tot Ion:	178	Resp:	54268
Ion Ratio	Lower	Upper	
178	100		
176	21.2	16.2	24.4
179	16.8	12.6	19.0

Manual Integrations
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9/13/2017 5:00:29 PM



#74

Fluoranthene

Concen: 6.266 ng

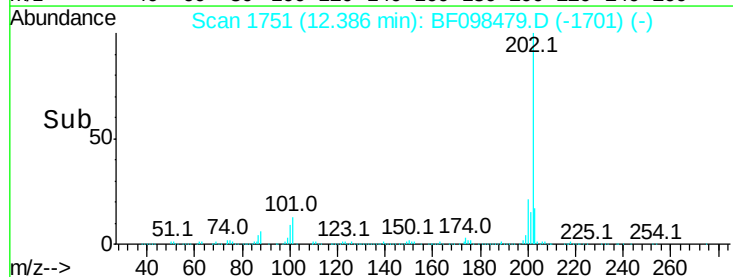
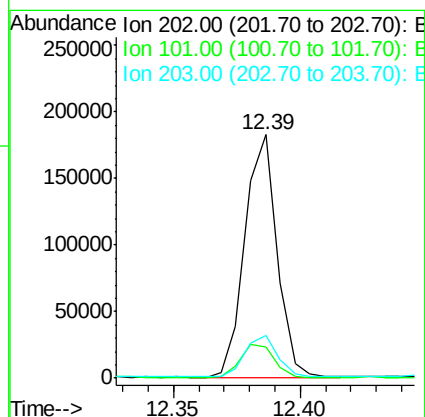
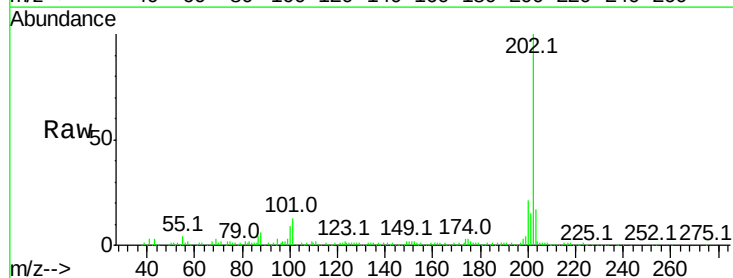
RT: 12.39 min Scan# 1751

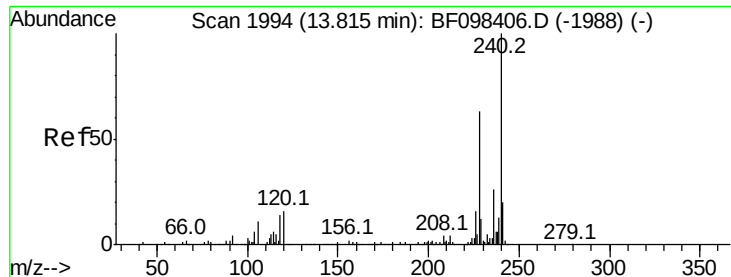
Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

Tgt Ion:	202	Resp:	161095
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

Instrument :

BNA_F

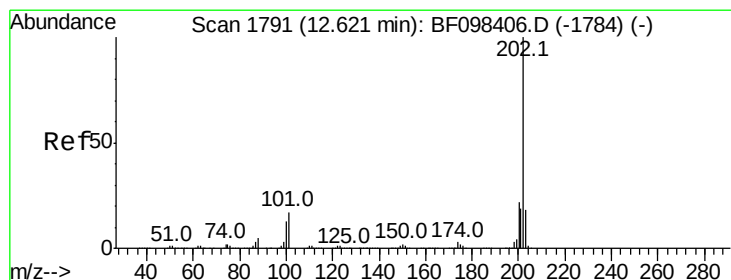
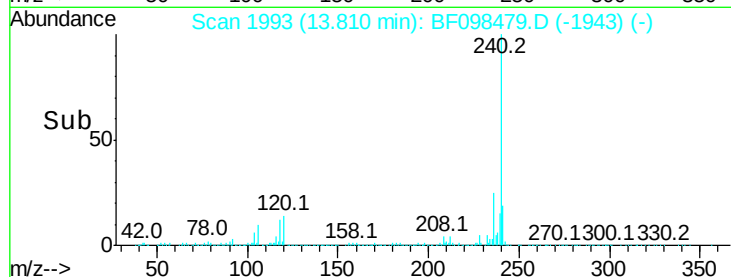
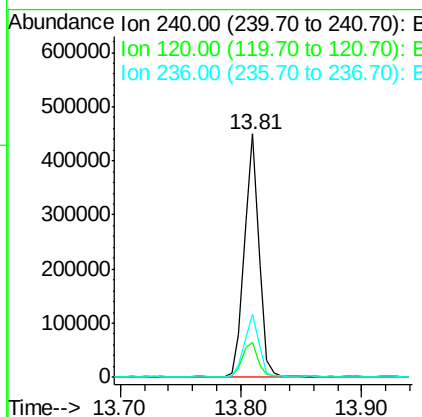
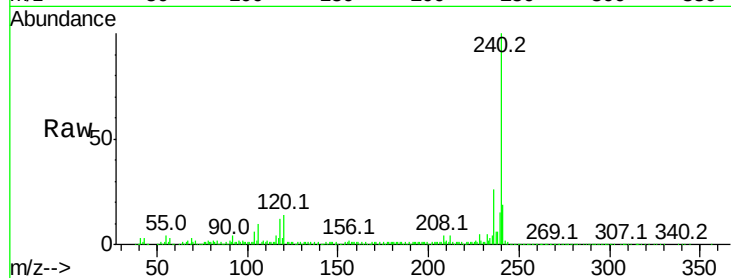
ClientSampleId :

284-GRAB

Tot Ion:	240	Resp:	380993
Ion Ratio	Lower	Upper	
240	100		
120	14.3	5.8	8.8#
236	25.7	20.5	30.7

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Sohil
9/13/2017 5:00:29 PM



#77

Pyrene

Concen: 6.318 ng

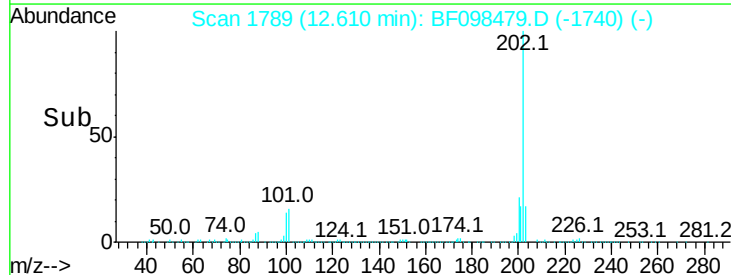
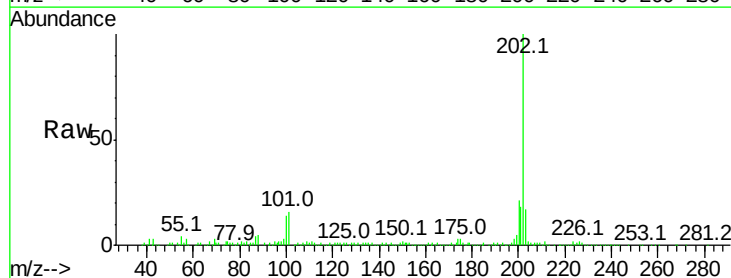
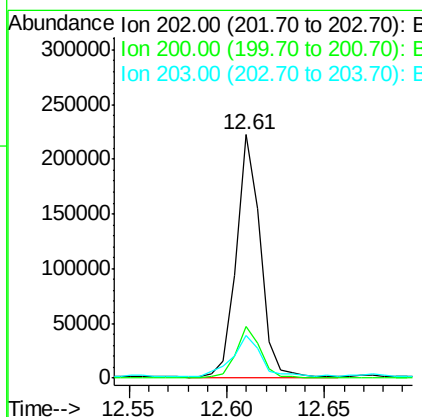
RT: 12.61 min Scan# 1789

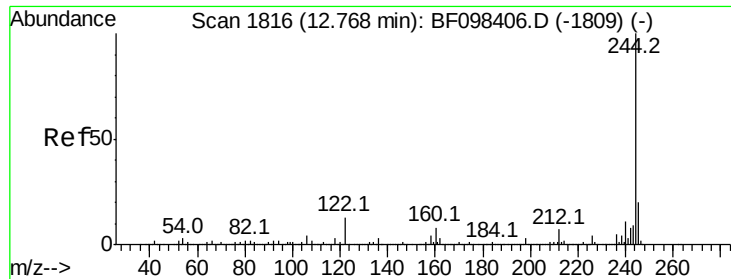
Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

Tgt Ion:	202	Resp:	189893
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.6	26.4
203	17.4	14.4	21.6





#78

Terphenyl-d14

Concen: 20.256 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

Instrument :

BNA_F

ClientSampleId :

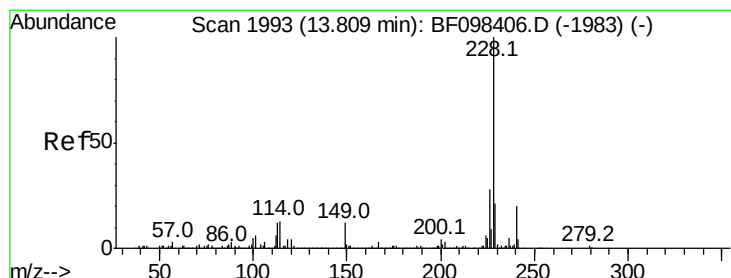
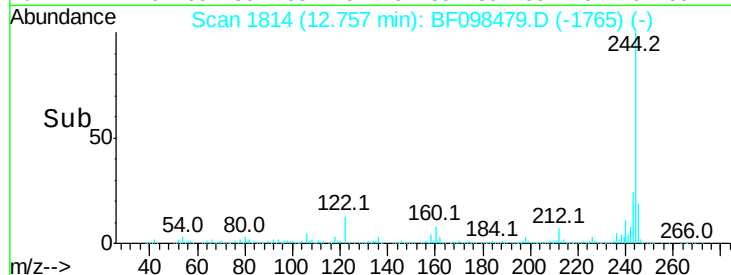
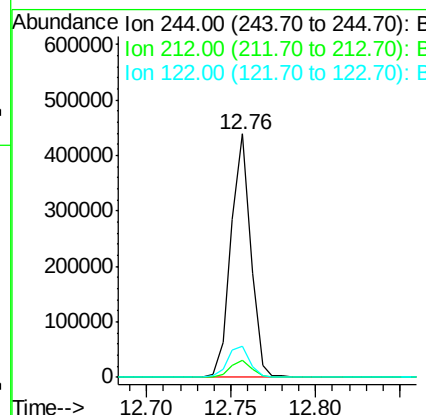
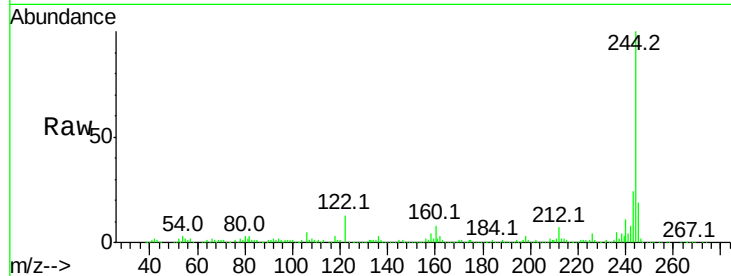
284-GRAB

Tot Ion:	244	Resp:	357534
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	12.6	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 4.062 ng

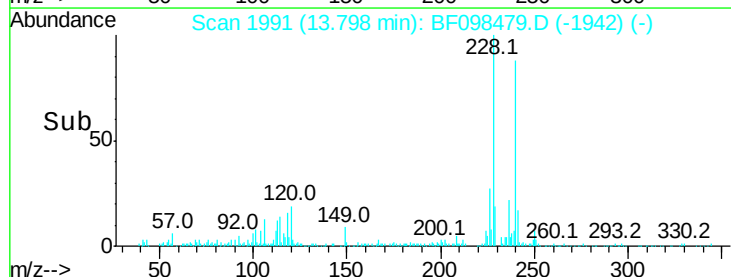
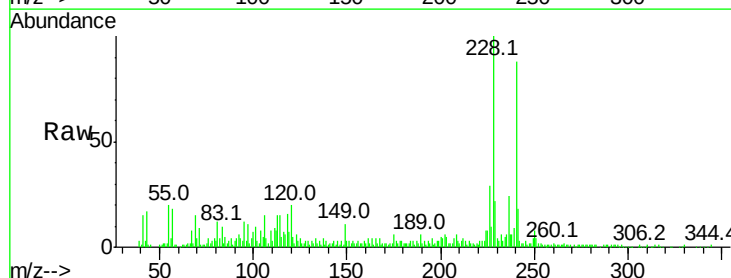
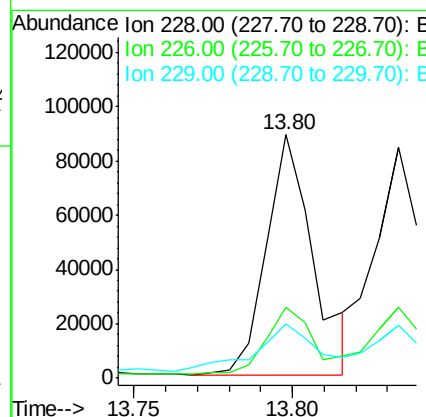
RT: 13.80 min Scan# 1991

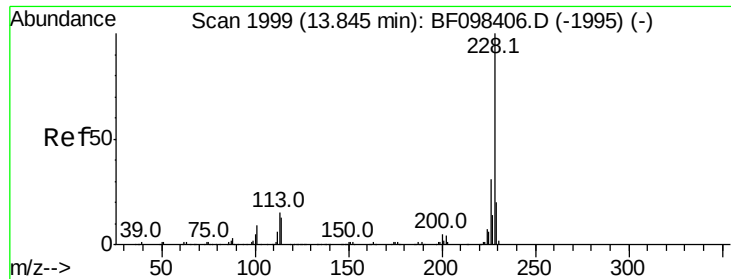
Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

Tgt Ion:	228	Resp:	90741
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.6	33.8
229	22.0	16.3	24.5





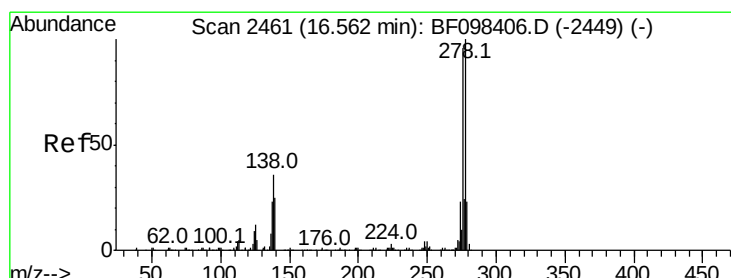
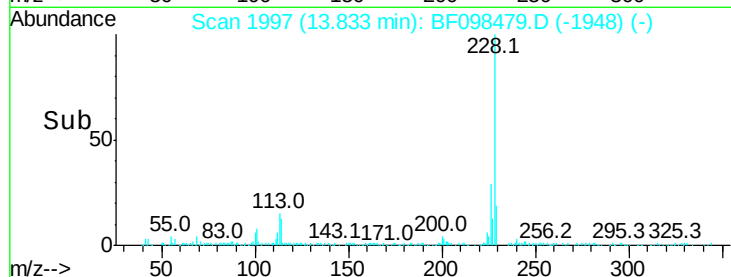
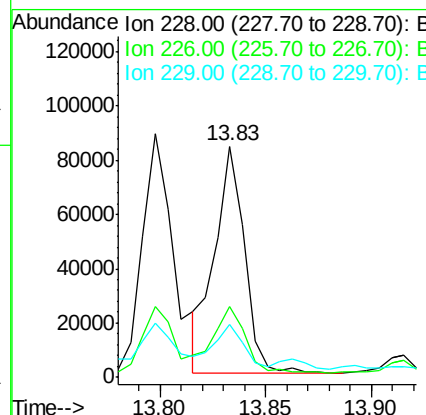
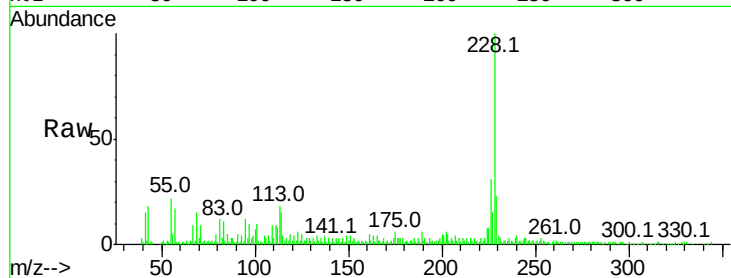
#82
Chrysene
Concen: 3.688 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Instrument :
BNA_F
ClientSampleId :
284-GRAB

Tot Ion:	228	Resp:	83282
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.9	37.3
229	22.7	15.8	23.6

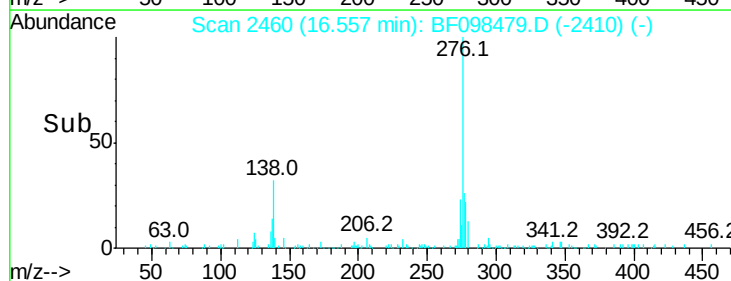
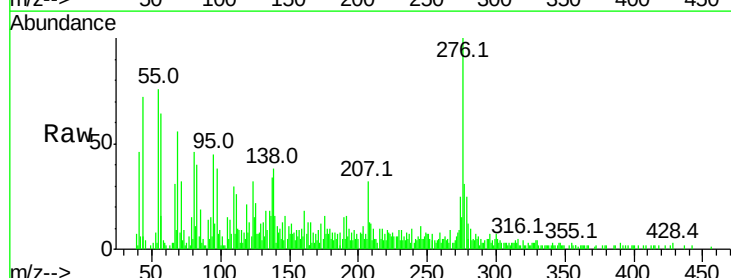
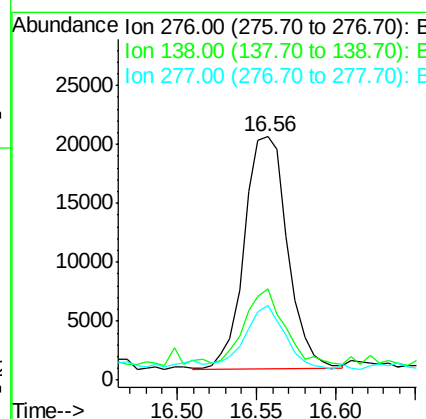
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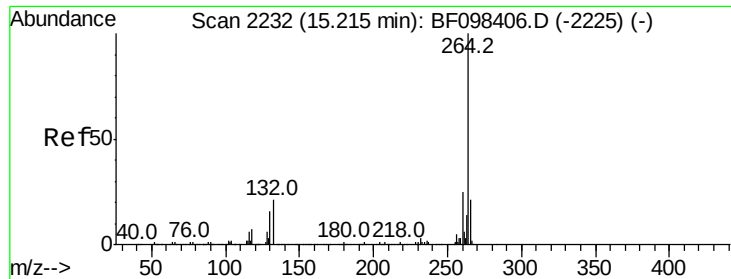
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.347 ng
RT: 16.56 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Tgt Ion:	276	Resp:	37179
Ion Ratio	Lower	Upper	
276	100		
138	29.9	27.8	41.6
277	25.8	20.2	30.4





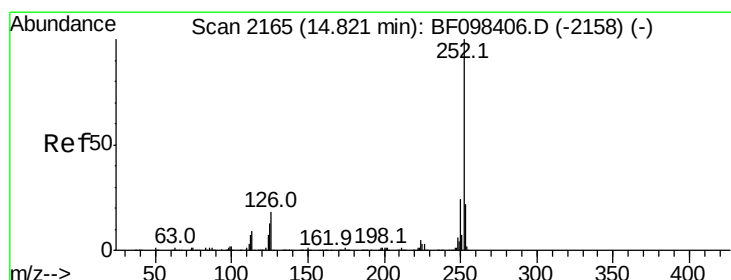
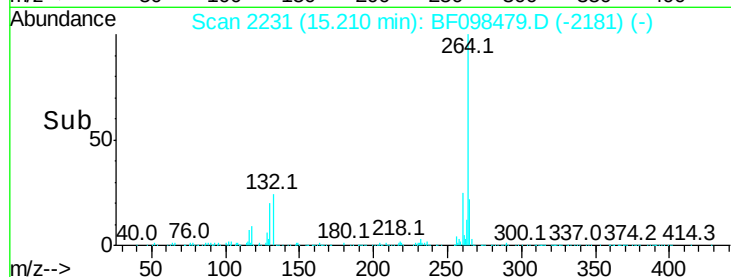
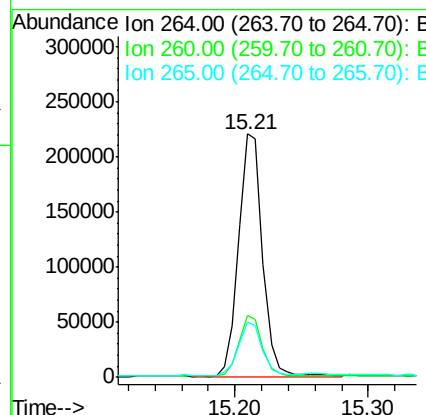
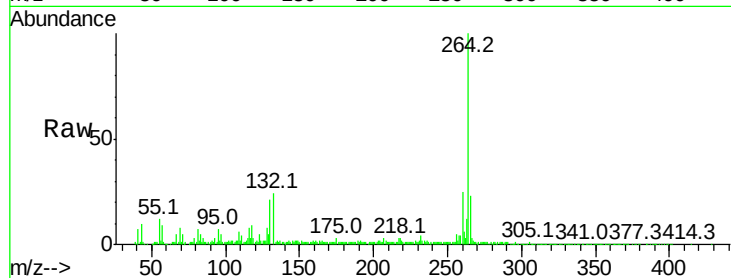
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Instrument :
BNA_F
ClientSampleId :
284-GRAB

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	23.0	17.2	25.8

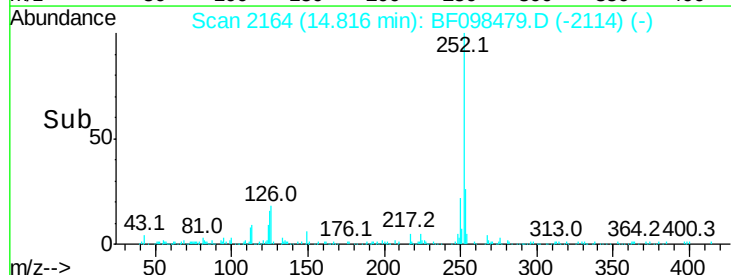
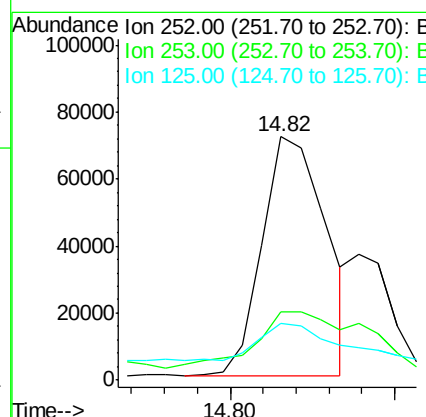
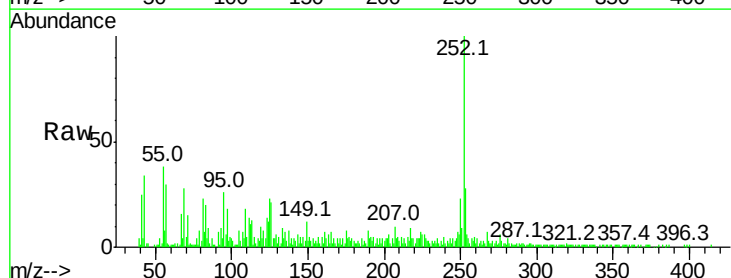
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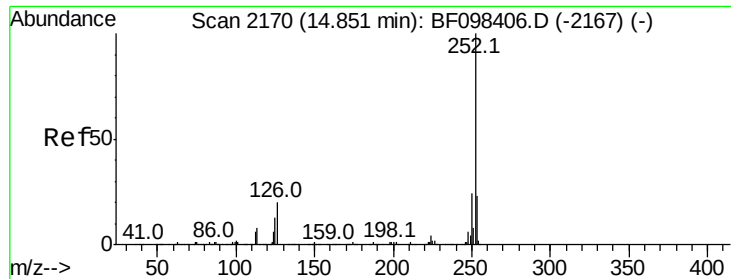
Sohil
9/13/2017 5:00:29 PM



#87
Benzo(b)fluoranthene
Concen: 5.574 ng m
RT: 14.82 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.1	27.1#
125	23.3	9.8	14.8#





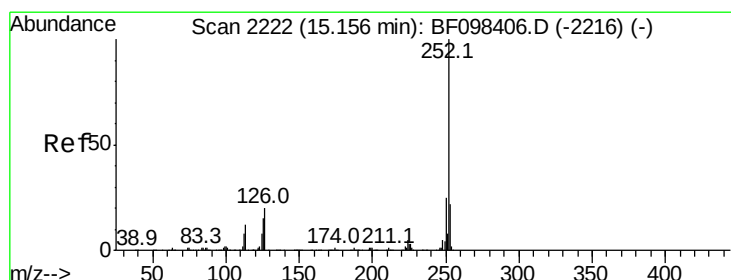
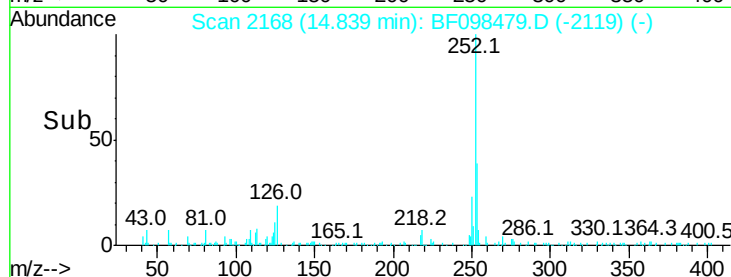
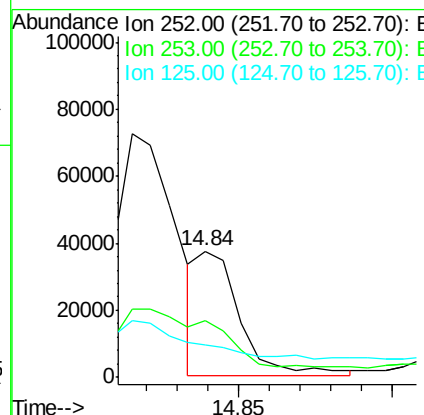
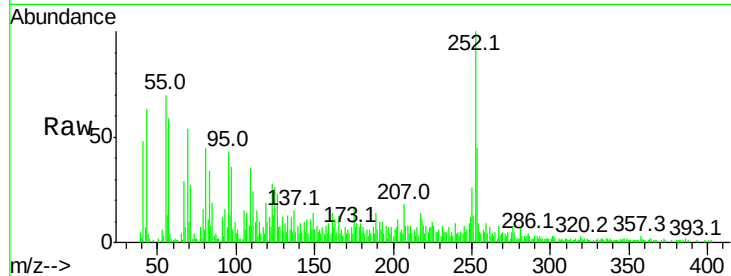
#88
Benzo(k)fluoranthene
Concen: 2.205 ng/mL
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Instrument :
BNA_F
ClientSampled :
284-GRAB

Tot Ion	Ratio	Resp	Lower	Upper
252	100	35549		
253	45.1	18.4	27.6#	
125	25.8	13.1	19.7#	

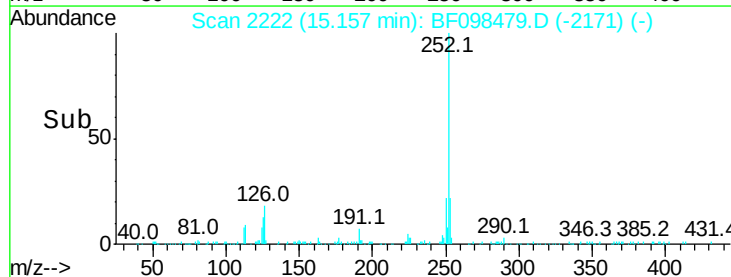
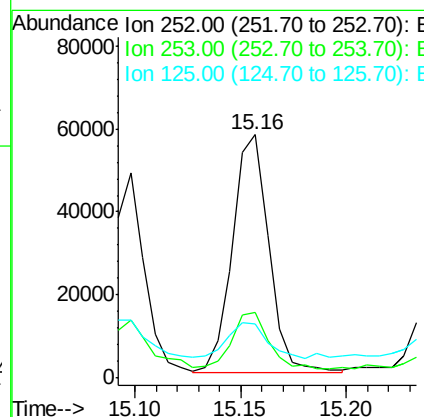
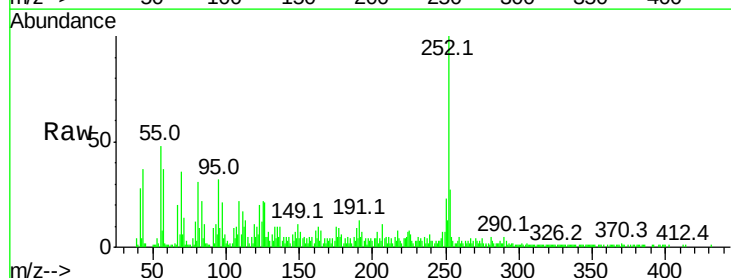
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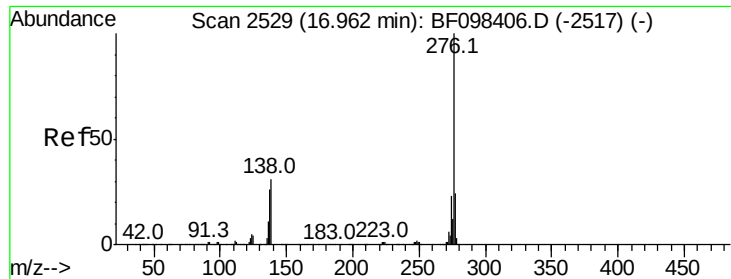
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#89
Benzo(a)pyrene
Concen: 4.402 ng/mL
RT: 15.16 min Scan# 2222
Delta R.T. 0.00 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	67731		
253	26.9	17.5	26.3#	
125	22.1	11.0	16.4#	





#91
 Benzo(a,h,i)perylene
 Concen: 3.902 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. -0.01 min
 Lab File: BF098479.D
 Acq: 13 Sep 2017 5:08

Instrument :
 BNA_F
 ClientSampleId :
 284-GRAB

Tot Ion:	276	Resp:	43937
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.6	28.0
138	32.7	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 9/13/2017 5:00:29 PM

