

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113498.D
 Acq On : 2 Apr 2019 9:21
 Operator : JU/SJ
 Sample : K2115-02DL 5X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GWDL

Manual Integrations
 APPROVED

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 4/2/2019 3:50:04 PM

Quant Time: Apr 02 10:22:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	119396	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	324553	20.00	ng	0.02
39) Acenaphthene-d10	9.74	164	205139	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	350485	20.00	ng	0.00
76) Chrysene-d12	13.84	240	355016	20.00	ng	0.00
87) Perylene-d12	15.26	264	238531	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	75271m	10.31	ng	0.01
7) Phenol-d6	6.36	99	59316	6.42	ng	0.00
23) Nitrobenzene-d5	7.27	82	120853	22.10	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	51302	20.25	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	243520	1.22	ng	0.00
79) Terphenyl-d14	12.79	244	215306	13.37	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.37	93	35390	3.146	ng	# 63
17) 2-Methylphenol	6.98	107	26335	3.963	ng	91
27) 2,4-Dimethylphenol	7.67	122	86433	19.922	ng	100
31) Naphthalene	8.04	128	11597169	731.216	ng	96
37) 2-Methylnaphthalene	8.71	142	1086100	109.749	ng	99
38) 1-Methylnaphthalene	8.80	142	1016190	106.757	ng	100
46) 1,1'-Biphenyl	9.16	154	264675	15.448	ng	98
52) Acenaphthene	9.77	154	462429	38.498	ng	99
55) Dibenzofuran	9.95	168	506559	28.052	ng	96
58) Fluorene	10.29	166	198447	14.146	ng	97
71) Phenanthrene	11.24	178	213093	12.243	ng	96
73) Carbazole	11.45	167	209076	12.394	ng	98

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

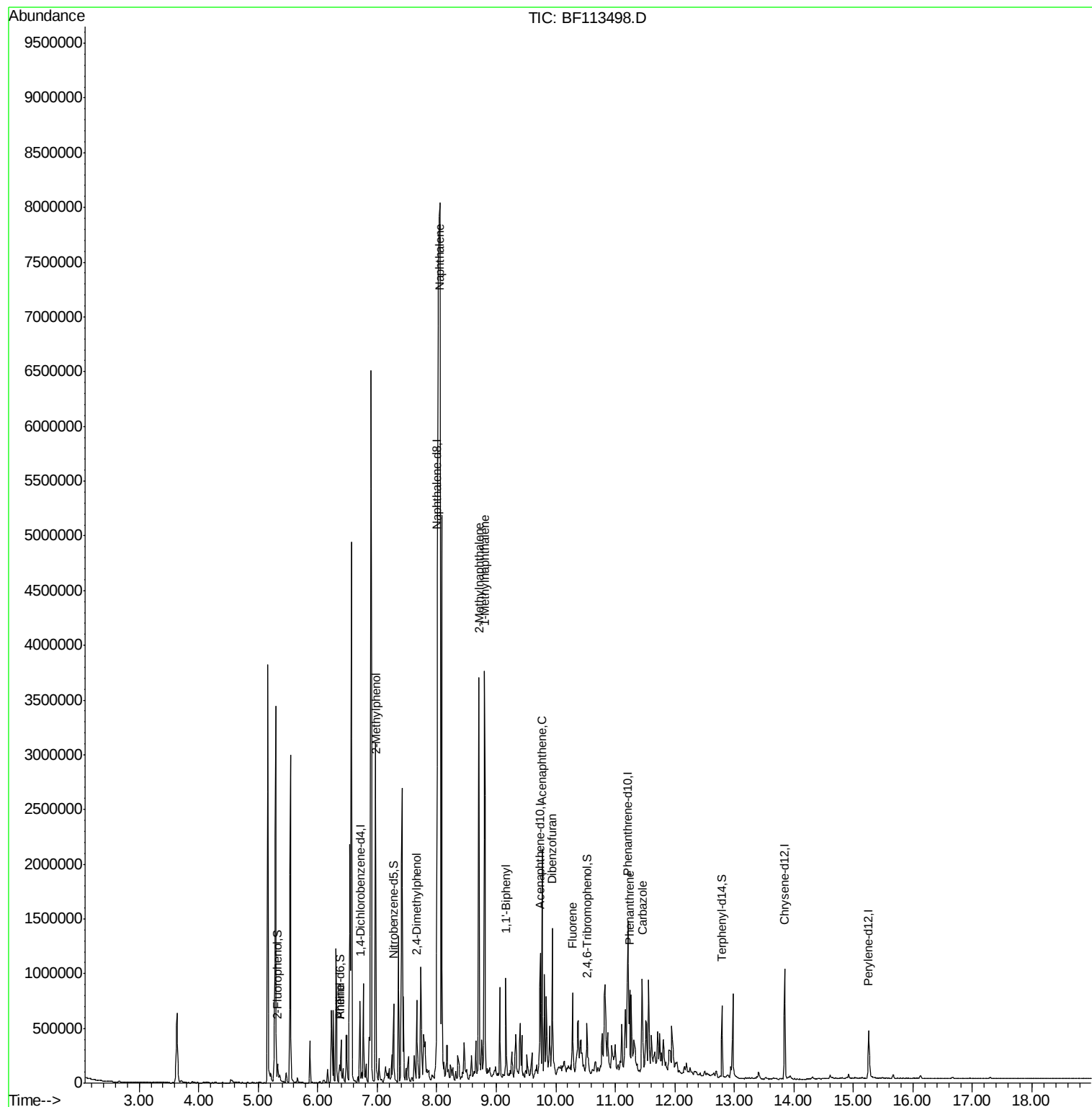
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113498.D
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Sample : K2115-02DL 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

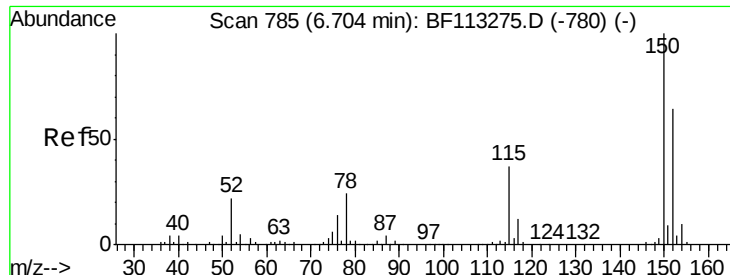
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
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#1

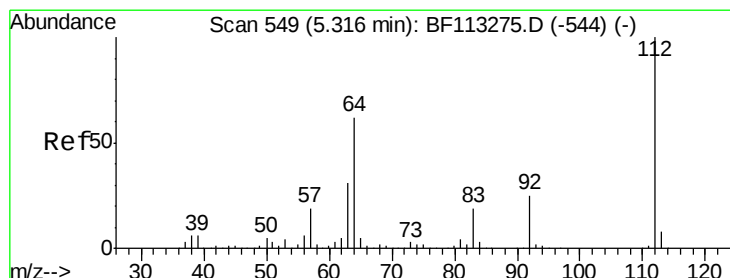
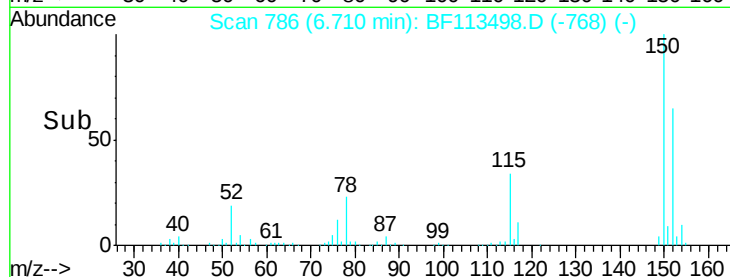
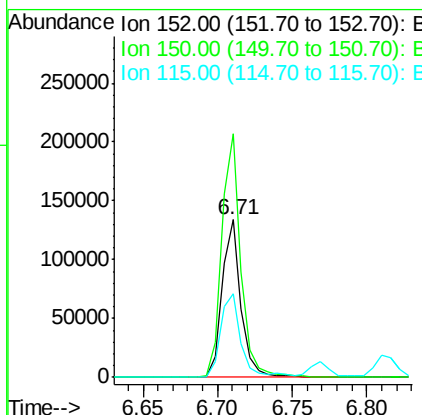
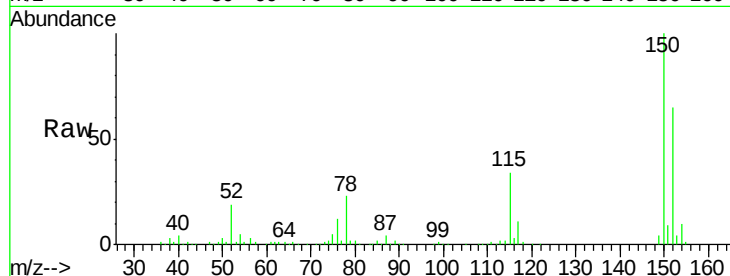
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.01 min
Lab File: BF113498.D
Acq: 2 Apr 2019 9:21

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GWDL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	119396		
150	154.8	124.7	187.1	
115	53.4	46.0	69.0	

Manual Integrations
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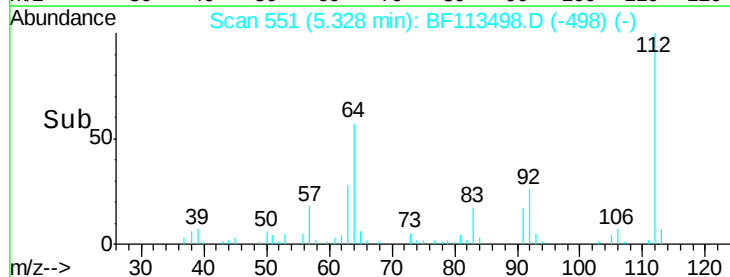
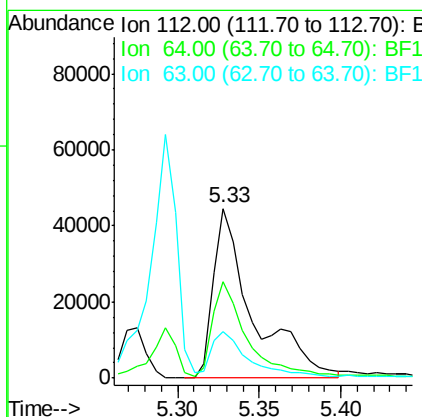
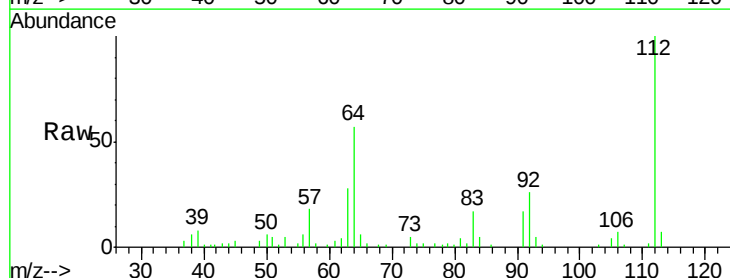
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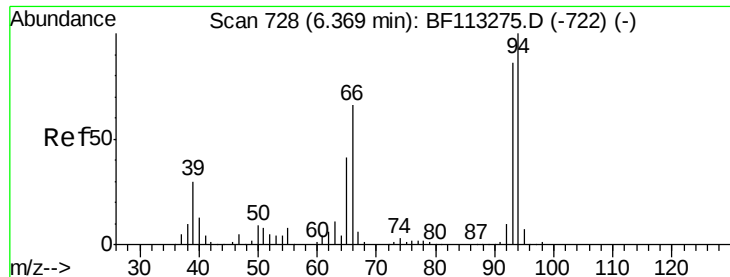


#5

2-Fluorophenol
Concen: 10.308 ng m
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF113498.D
Acq: 2 Apr 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	75271		
64	56.7	49.2	73.8	
63	27.6	24.9	37.3	





#6

Aniline

Concen: 3.146 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF113498.D

Acq: 2 Apr 2019 9:21

Instrument :

BNA_F

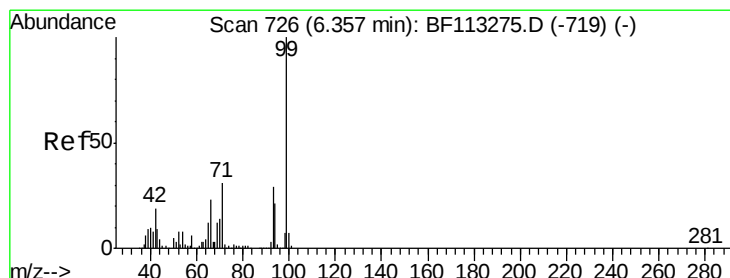
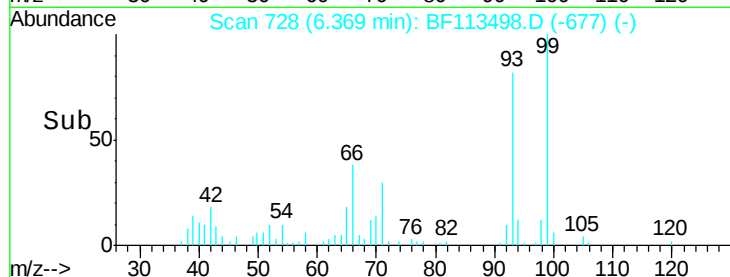
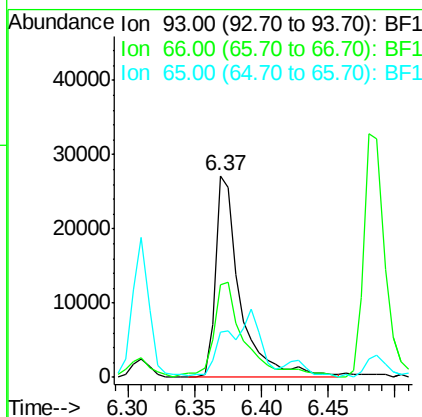
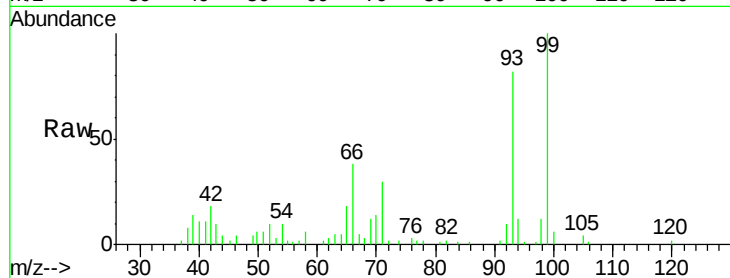
ClientSampleId :

QNWP8-MW30D-GWDL

Tgt Ion:	93	Resp:	35390
Ion Ratio	Lower	Upper	
93	100		
66	45.9	62.1	93.1#
65	22.2	38.7	58.1#

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#7

Phenol-d6

Concen: 6.421 ng

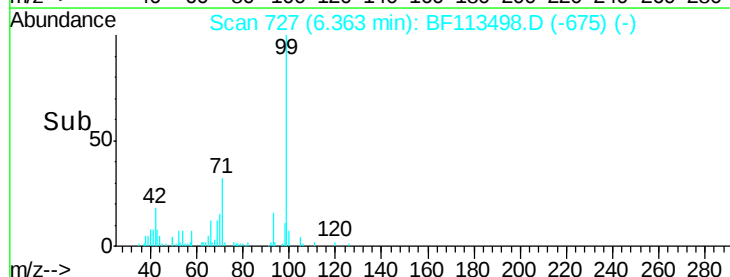
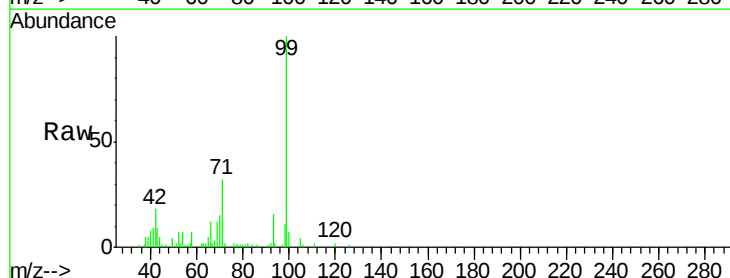
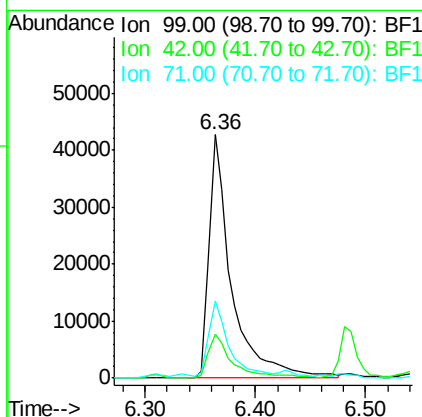
RT: 6.36 min Scan# 727

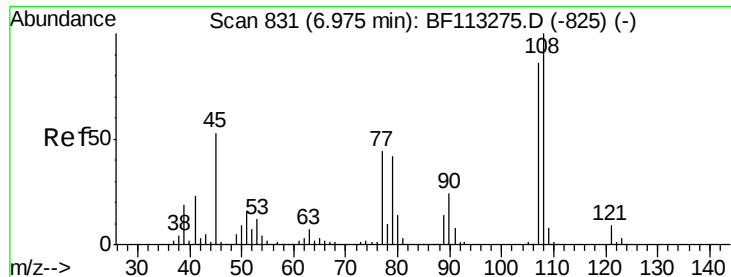
Delta R.T. 0.01 min

Lab File: BF113498.D

Acq: 2 Apr 2019 9:21

Tgt Ion:	99	Resp:	59316
Ion Ratio	Lower	Upper	
99	100		
42	18.1	14.8	22.2
71	31.6	24.9	37.3





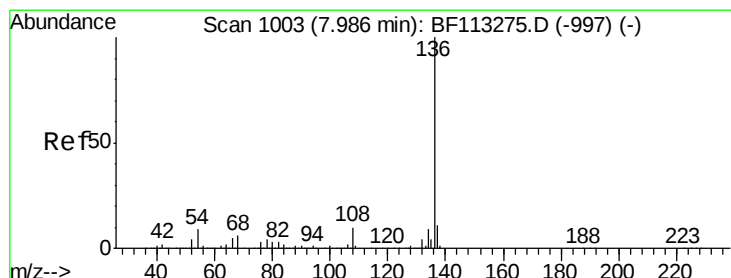
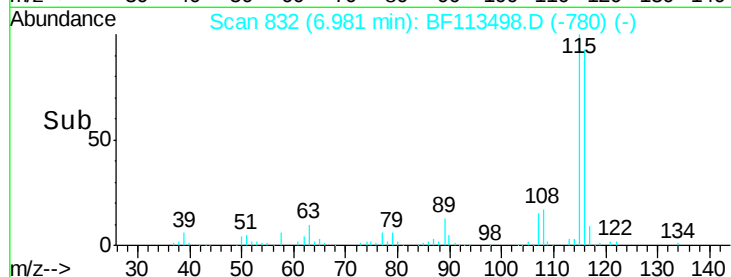
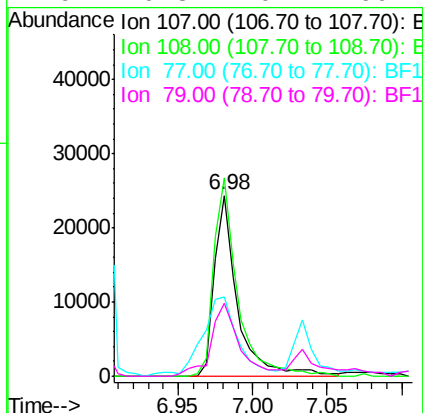
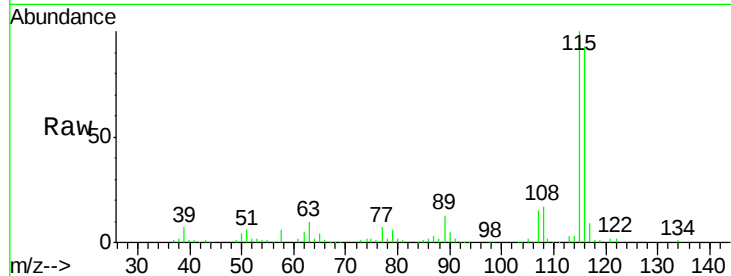
#17
2-Methylphenol
Concen: 3.963 ng
RT: 6.98 min Scan# 832
Delta R.T. 0.01 min
Lab File: BF113498.D
Acq: 2 Apr 2019 9:21

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GWDL

Tgt Ion:	107	Resp:	26335
Ion Ratio	Lower	Upper	
107	100		
108	109.9	93.4	140.0
77	44.0	41.2	61.8
79	40.3	40.1	60.1

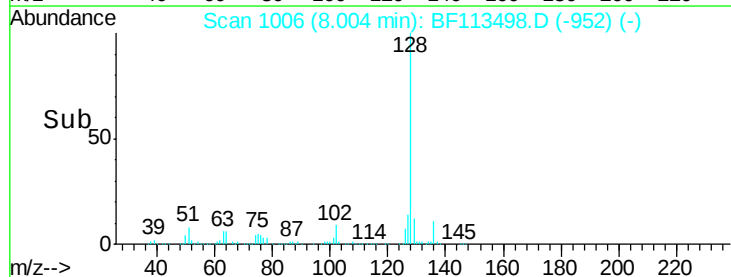
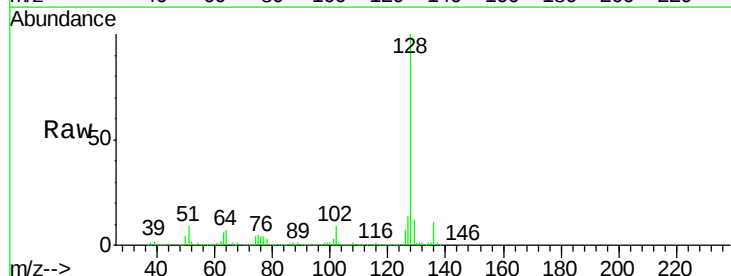
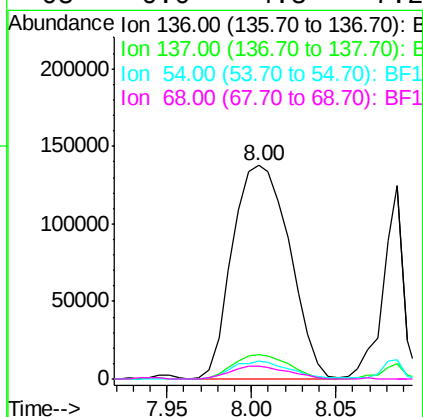
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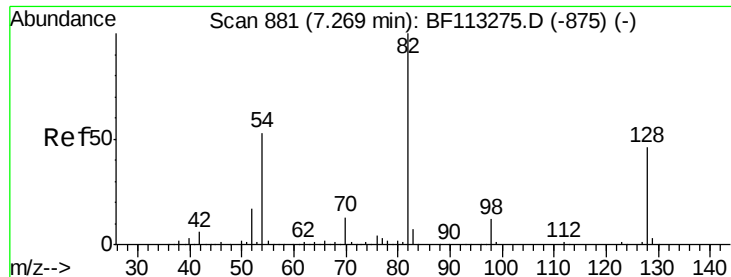
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.02 min
Lab File: BF113498.D
Acq: 2 Apr 2019 9:21

Tgt Ion:	136	Resp:	324553
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.2	7.0	10.6
68	6.0	4.8	7.2





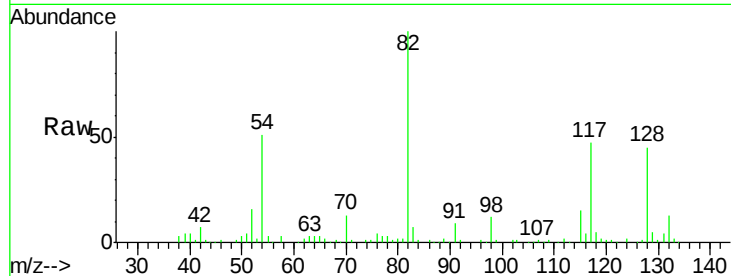
#23
 Nitrobenzene-d5
 Concen: 22.102 ng
 RT: 7.27 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BF113498.D
 Acq: 2 Apr 2019 9:21

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GWDL

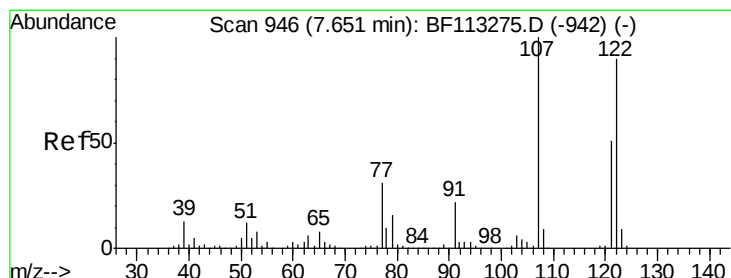
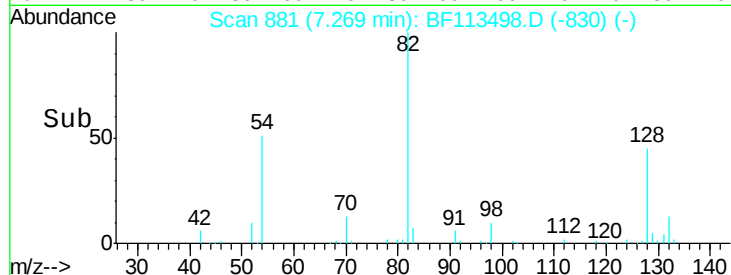
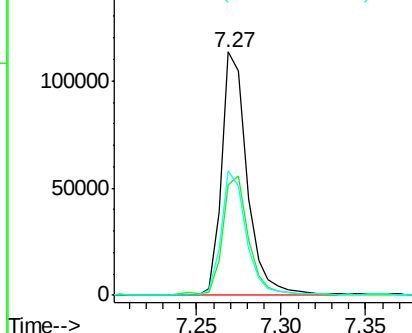
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	120853		
128	45.4	36.5	54.7	
54	50.9	42.2	63.2	

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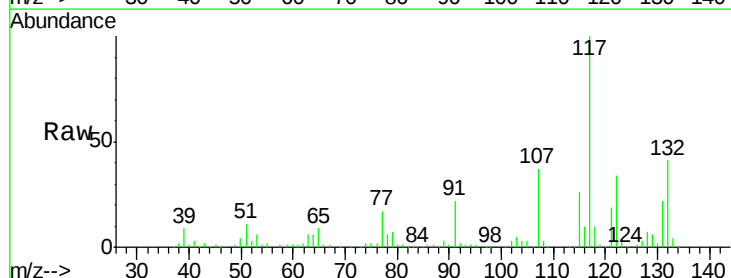


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

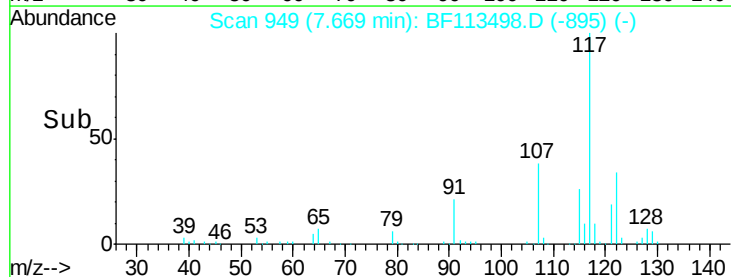
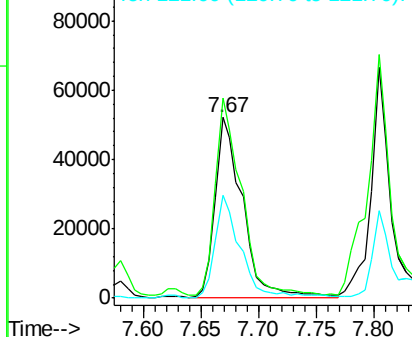


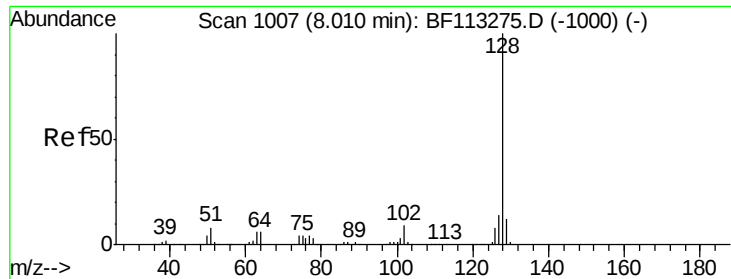
#27
 2,4-Dimethylphenol
 Concen: 19.922 ng
 RT: 7.67 min Scan# 949
 Delta R.T. 0.02 min
 Lab File: BF113498.D
 Acq: 2 Apr 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	86433		
107	110.6	88.8	133.2	
121	56.7	45.5	68.3	



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E





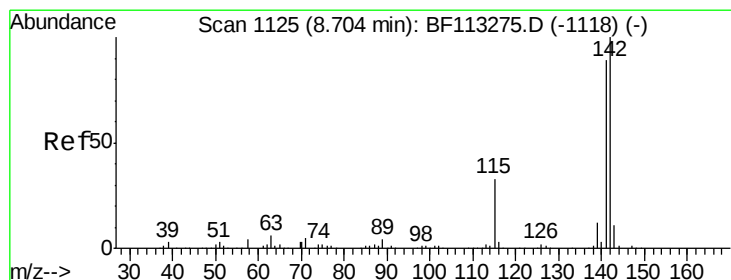
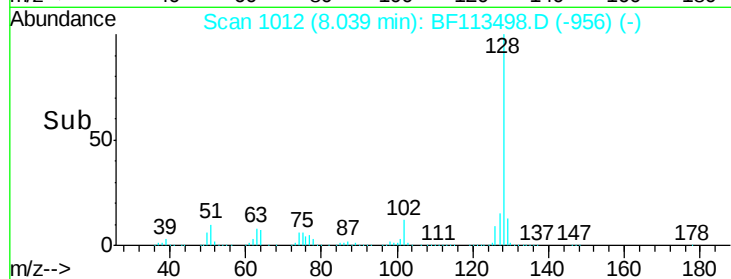
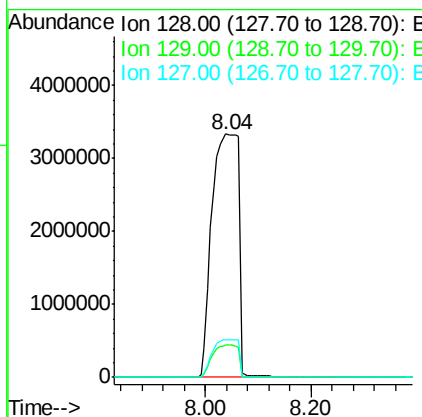
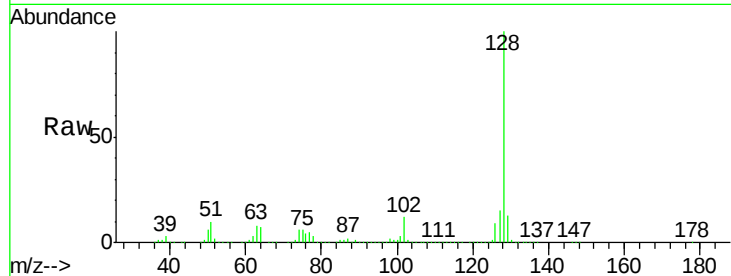
#31
Naphthalene
Concen: 731.216 ng
RT: 8.04 min Scan# 1012
Delta R.T. 0.03 min
Lab File: BF113498.D
Acq: 2 Apr 2019 9:21

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GWDL

Tgt Ion:128 Resp:11597169
Ion Ratio Lower Upper
128 100
129 13.2 9.3 13.9
127 15.3 10.9 16.3

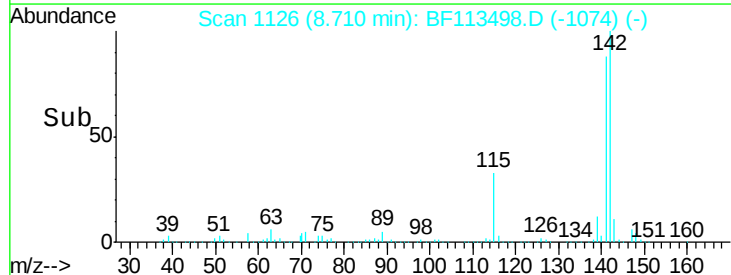
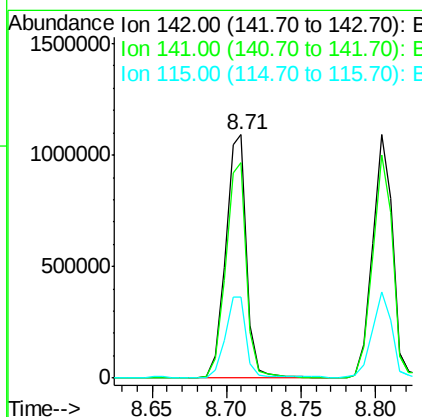
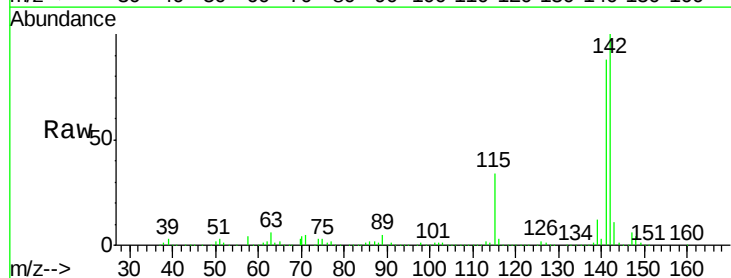
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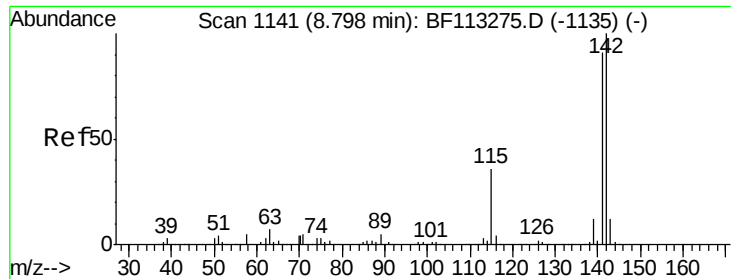
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#37
2-Methylnaphthalene
Concen: 109.749 ng
RT: 8.71 min Scan# 1126
Delta R.T. 0.01 min
Lab File: BF113498.D
Acq: 2 Apr 2019 9:21

Tgt Ion:142 Resp: 1086100
Ion Ratio Lower Upper
142 100
141 88.3 71.0 106.6
115 33.5 26.6 39.8





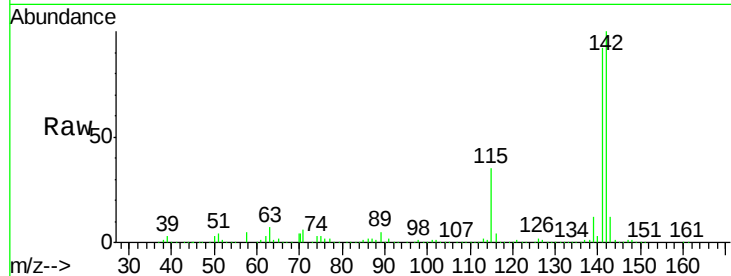
#38
1-Methylnaphthalene
Concen: 106.757 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.01 min
Lab File: BF113498.D
Acq: 2 Apr 2019 9:21

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GWDL

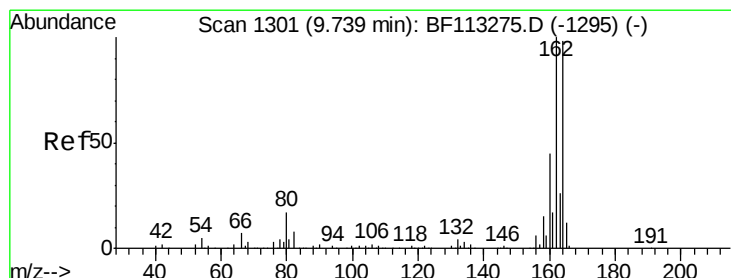
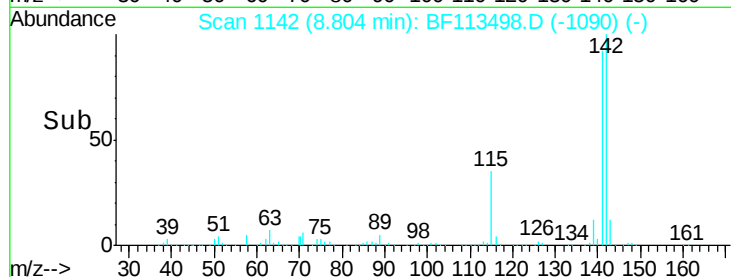
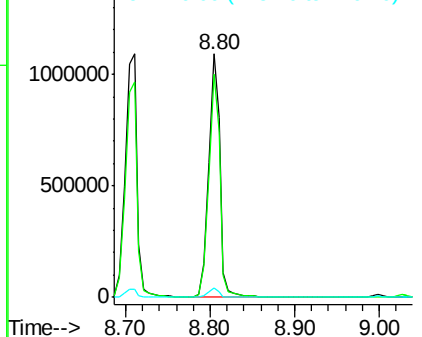
Tgt Ion:142 Resp: 1016190
Ion Ratio Lower Upper
142 100
141 91.8 73.2 109.8
116 3.8 3.0 4.4

Manual Integrations
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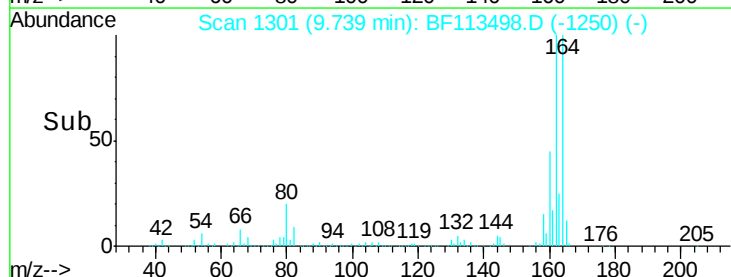
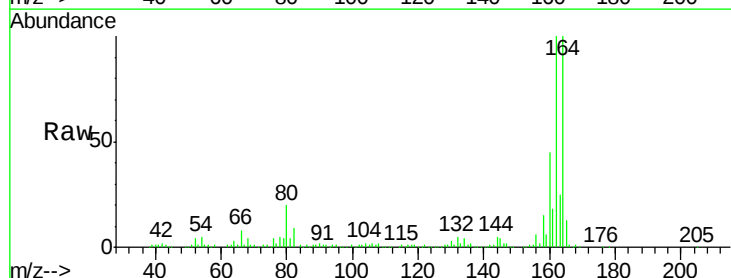
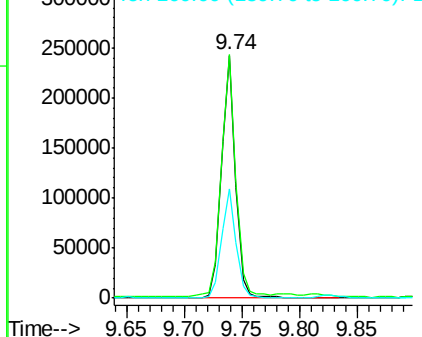
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

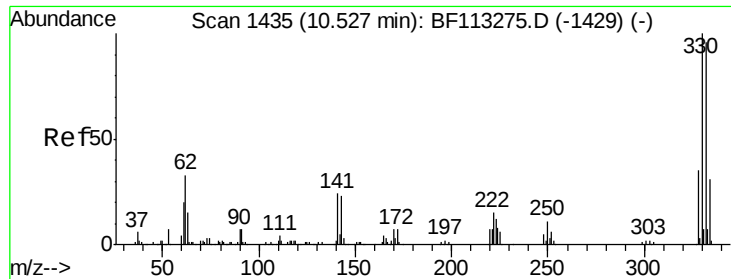


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF113498.D
Acq: 2 Apr 2019 9:21

Tgt Ion:164 Resp: 205139
Ion Ratio Lower Upper
164 100
162 100.4 81.8 122.6
160 45.2 36.4 54.6

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





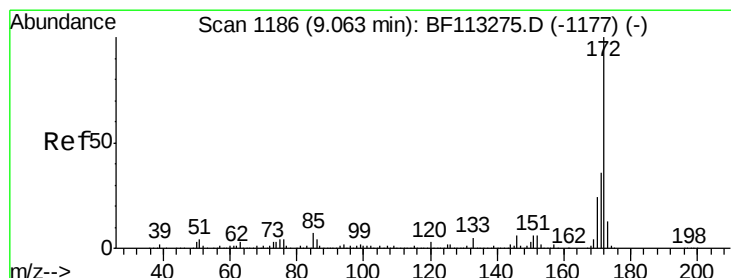
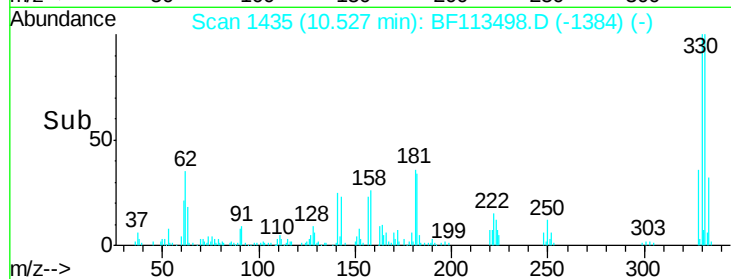
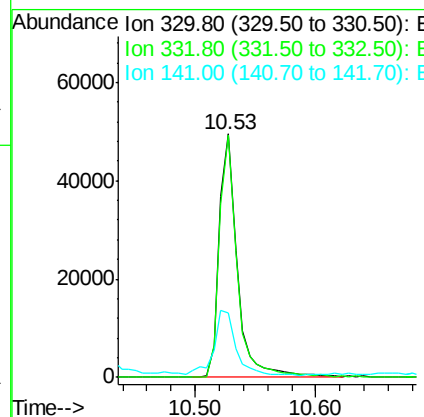
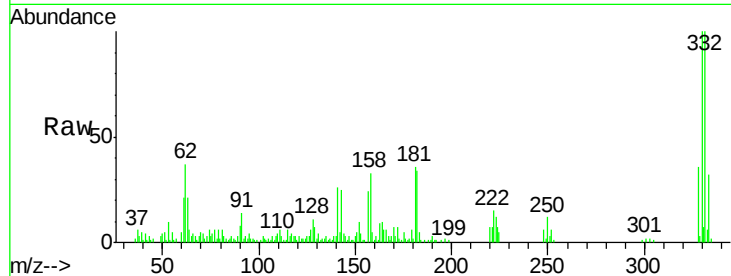
#42
 2,4,6-Tribromophenol
 Concen: 20.246 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF113498.D
 Acq: 2 Apr 2019 9:21

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GWDL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	51302		
332	97.3	77.8	116.6	
141	32.0	22.7	34.1	

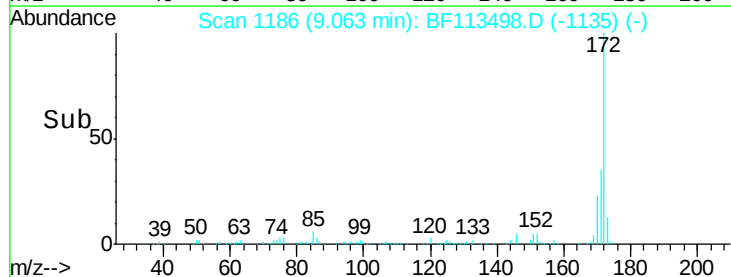
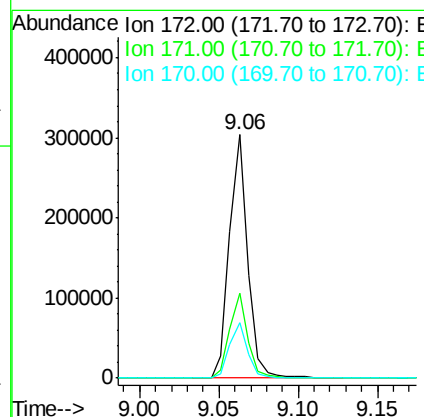
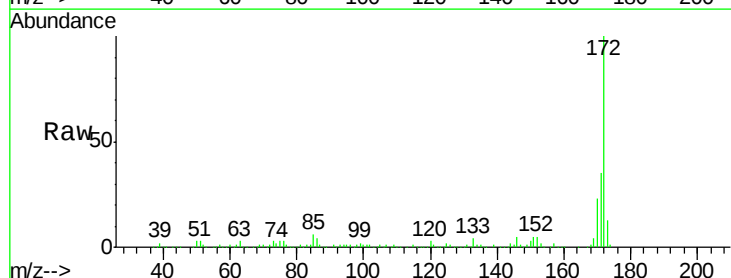
Manual Integrations
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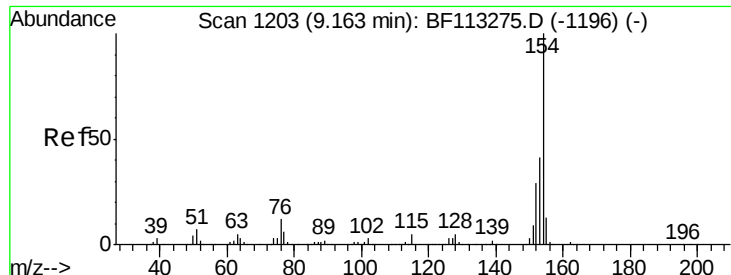
Sohil
 4/2/2019 3:50:04 PM



#45
 2-Fluorobiphenyl
 Concen: 1.223 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113498.D
 Acq: 2 Apr 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	243520		
171	34.9	29.0	43.6	
170	22.6	19.5	29.3	





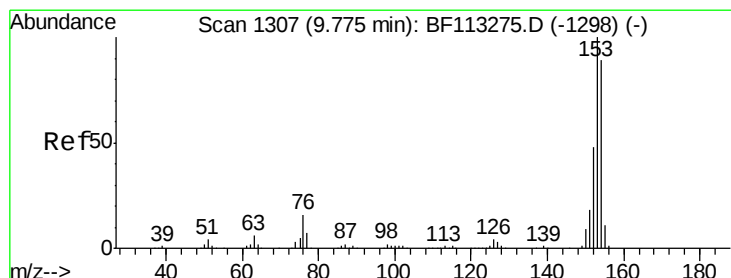
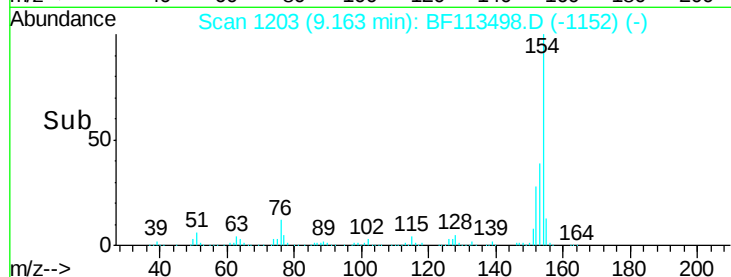
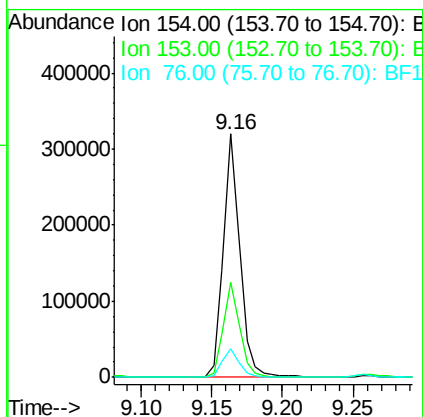
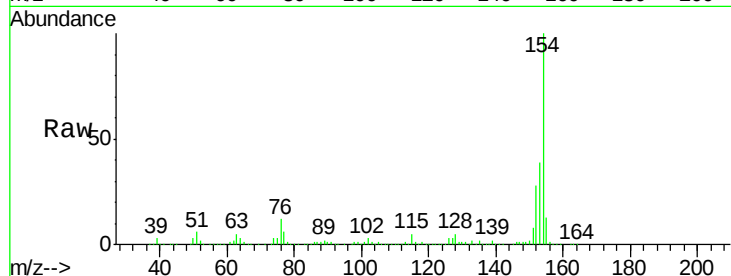
#46
1,1'-Biphenyl
Concen: 15.448 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF113498.D
Acq: 2 Apr 2019 9:21

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GWDL

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	264675		
153	39.1	20.8	60.8	
76	11.9	0.0	31.9	

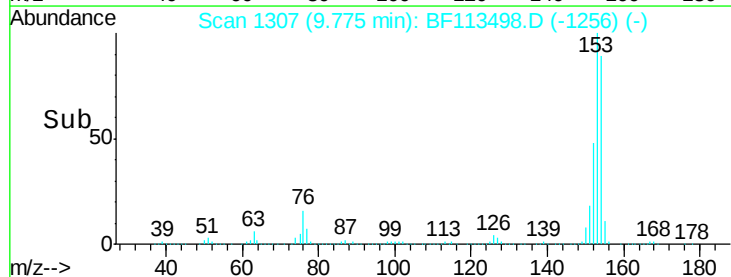
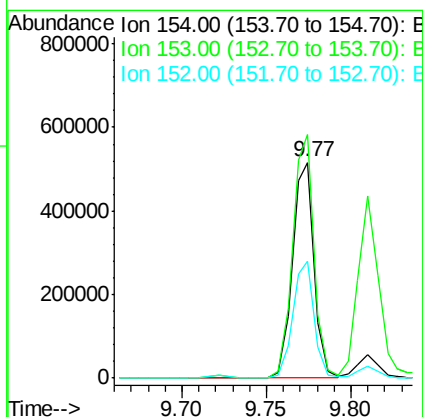
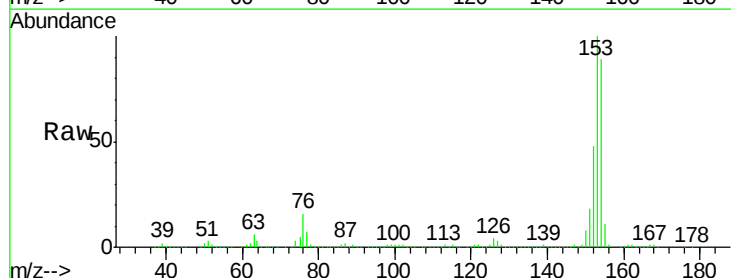
Manual Integrations
APPROVED

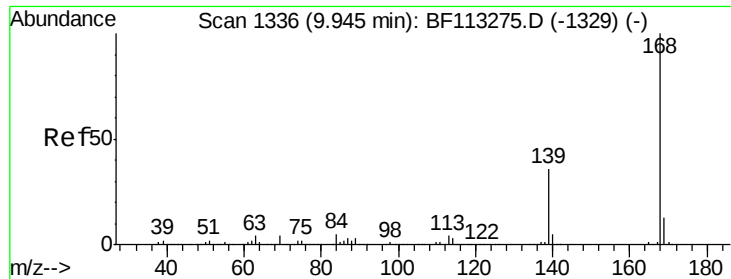
Sohil
4/2/2019 3:50:04 PM



#52
Acenaphthene
Concen: 38.498 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF113498.D
Acq: 2 Apr 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	462429		
153	112.8	89.5	134.3	
152	53.9	43.3	64.9	





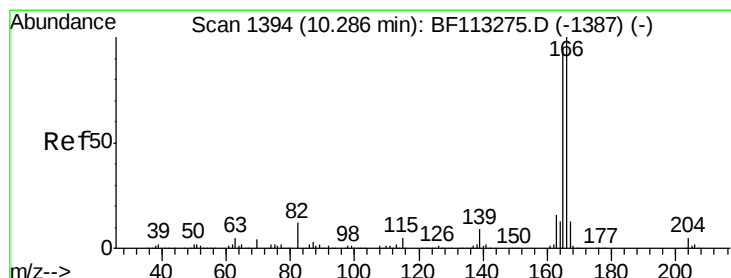
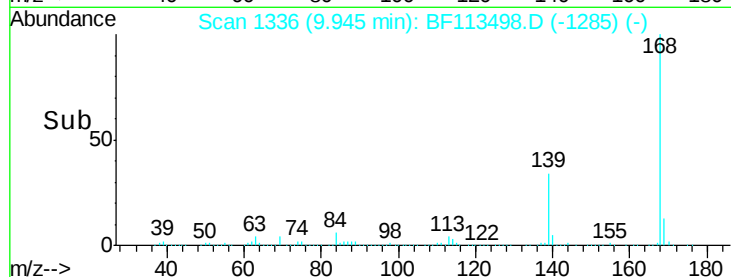
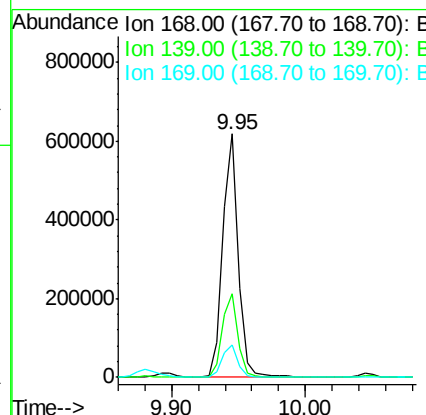
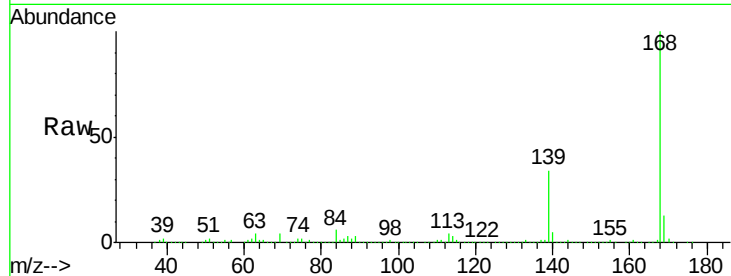
#55
Dibenzenofuran
Concen: 28.052 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF113498.D
Acq: 2 Apr 2019 9:21

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW30D-GWDL

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	506559		
139	34.2	29.7	44.5	
169	13.5	10.7	16.1	

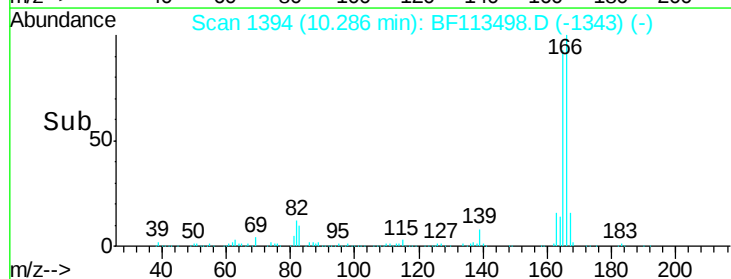
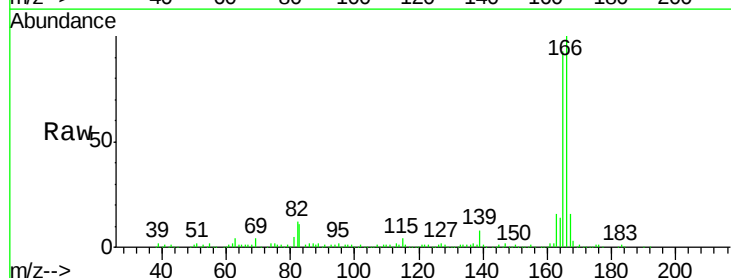
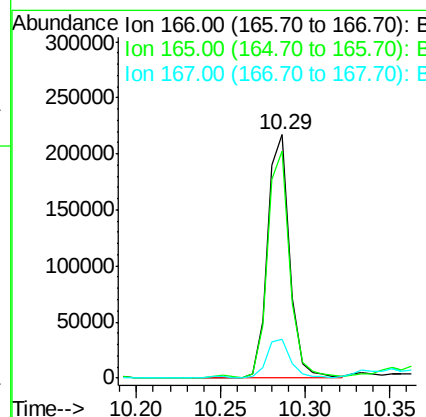
Manual Integrations
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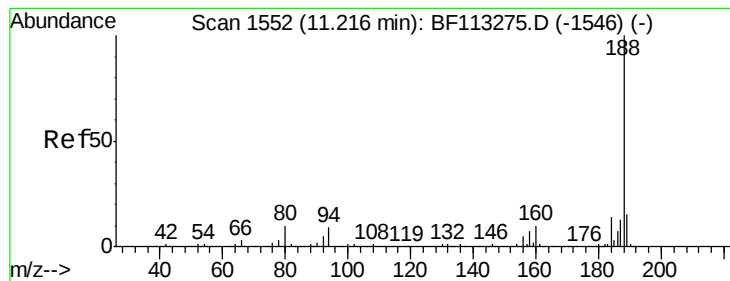
Sohil
4/2/2019 3:50:04 PM



#58
Fluorene
Concen: 14.146 ng
RT: 10.29 min Scan# 1394
Delta R.T. 0.00 min
Lab File: BF113498.D
Acq: 2 Apr 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	198447		
165	93.2	76.2	114.2	
167	15.9	10.7	16.1	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.00 min

Lab File: BF113498.D

Acq: 2 Apr 2019 9:21

Instrument :

BNA_F

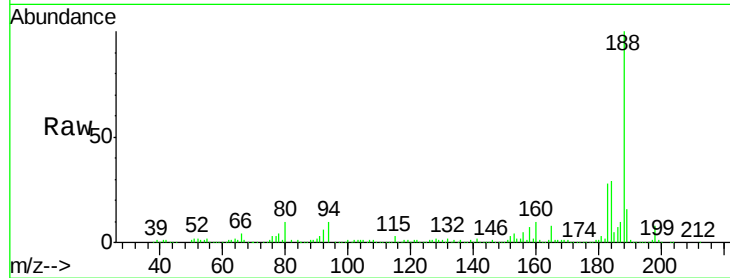
ClientSampleId :

QNWP8-MW30D-GWDL

Tgt Ion:	188	Resp:	350485
Ion Ratio	Lower	Upper	
188	100		
94	9.8	7.0	10.6
80	10.3	7.7	11.5

Manual Integrations
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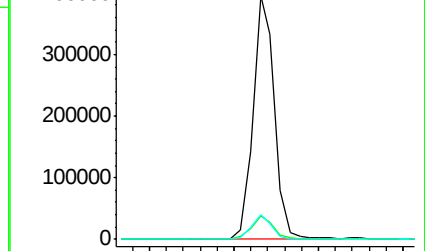
Sohil
4/2/2019 3:50:04 PM



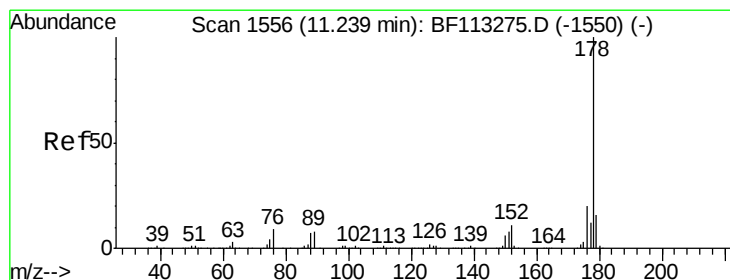
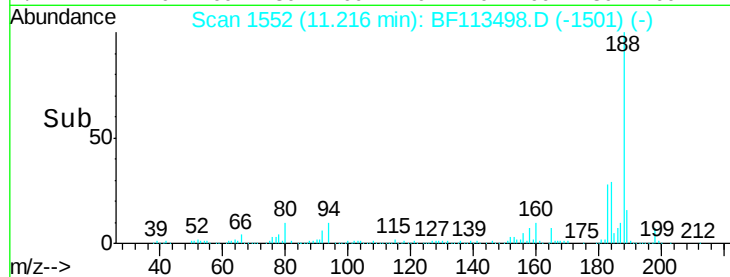
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time--> 11.15 11.20 11.25



#71

Phenanthrene

Concen: 12.243 ng

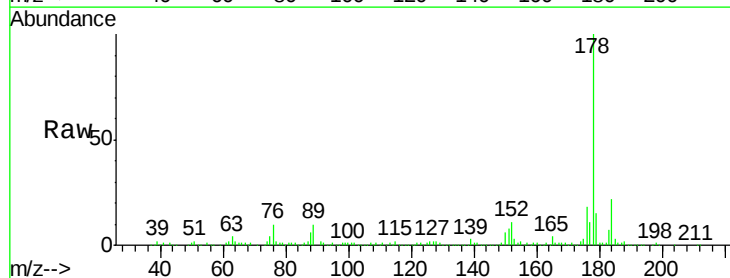
RT: 11.24 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BF113498.D

Acq: 2 Apr 2019 9:21

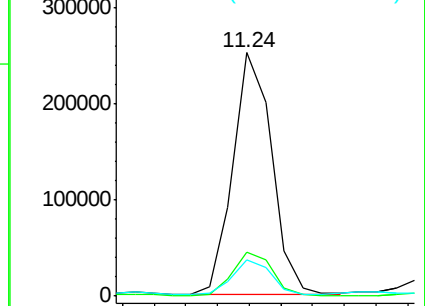
Tgt Ion:	178	Resp:	213093
Ion Ratio	Lower	Upper	
178	100		
176	18.1	16.2	24.2
179	14.7	12.7	19.1



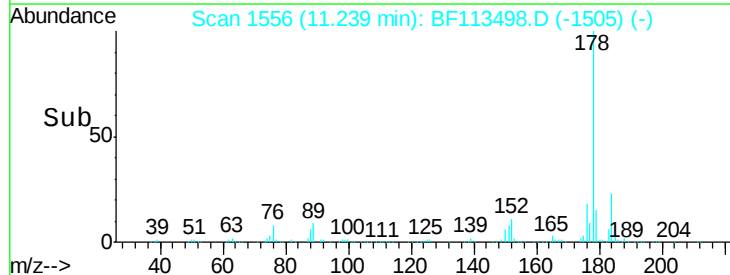
Abundance Ion 178.00 (177.70 to 178.70): E

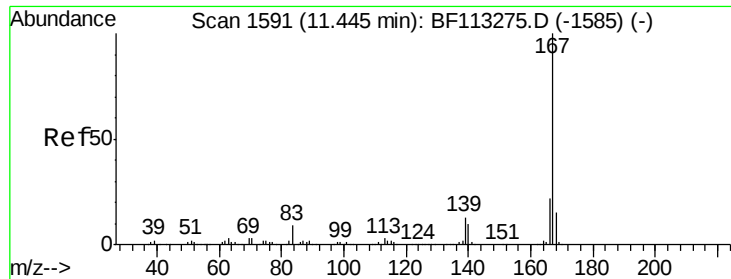
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.20 11.25





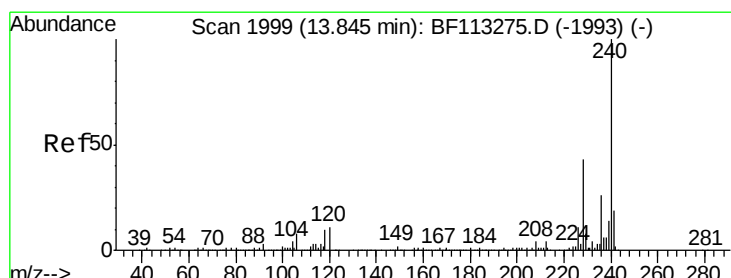
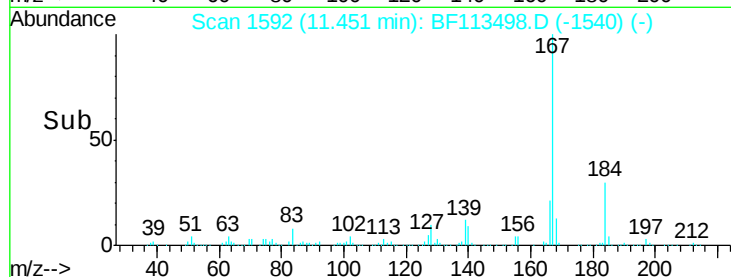
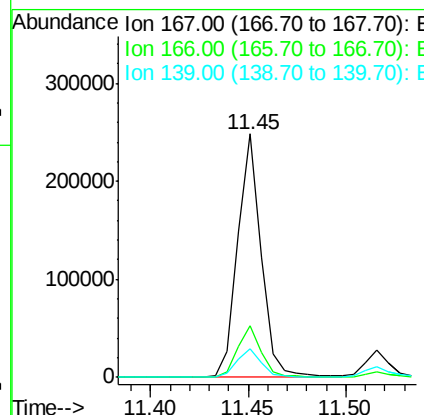
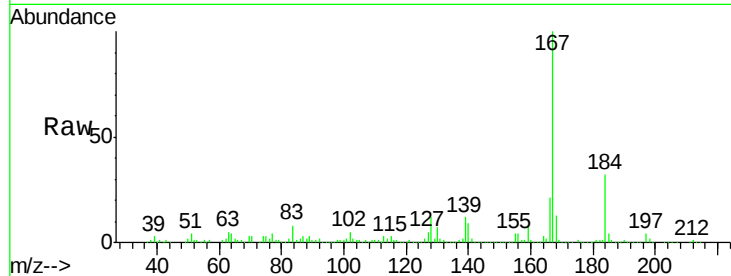
#73
 Carbazole
 Concen: 12.394 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.01 min
 Lab File: BF113498.D
 Acq: 2 Apr 2019 9:21

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GWDL

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	209076		
166	21.1		17.4	26.0
139	11.9		10.4	15.6

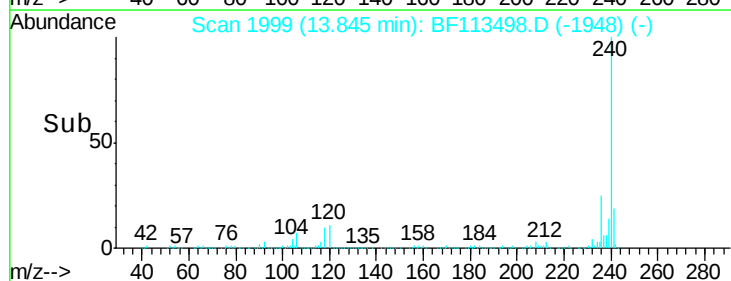
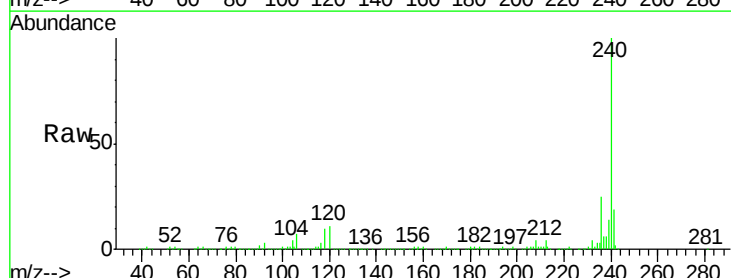
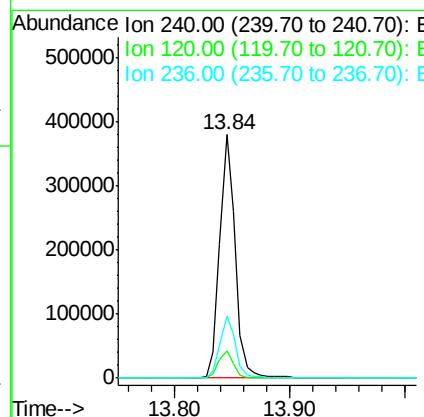
Manual Integrations
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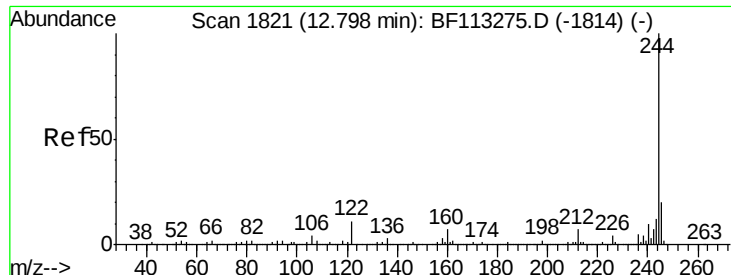
Sohil
 4/2/2019 3:50:04 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. 0.00 min
 Lab File: BF113498.D
 Acq: 2 Apr 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	355016		
120	11.2		8.8	13.2
236	25.3		20.9	31.3





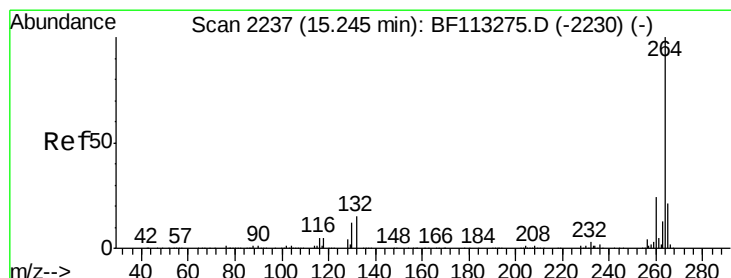
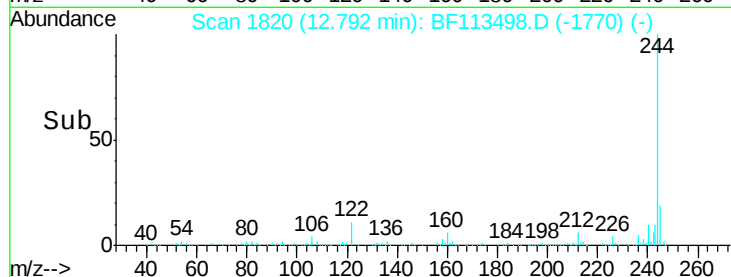
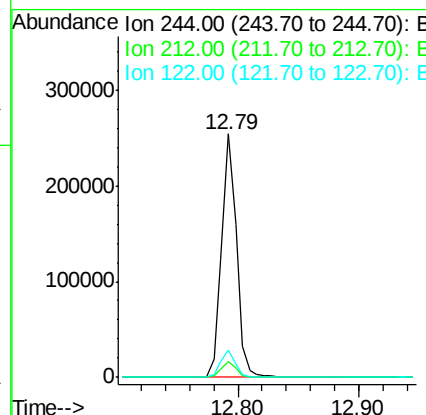
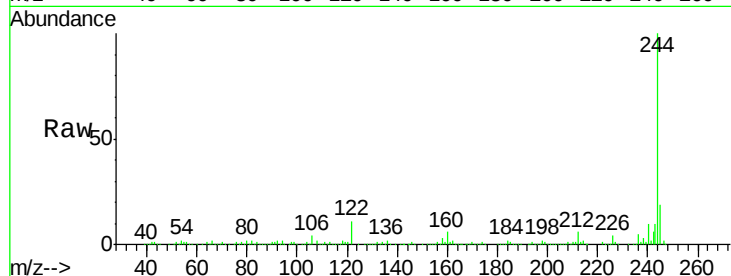
#79
 Terphenyl-d14
 Concen: 13.368 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BF113498.D
 Acq: 2 Apr 2019 9:21

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW30D-GWDL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.5	8.3
122	11.2	8.6	13.0

Manual Integrations
 APPROVED

Sohil
 4/2/2019 3:50:04 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: BF113498.D
 Acq: 2 Apr 2019 9:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.4	17.1	25.7

