

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113491.D
 Acq On : 2 Apr 2019 5:14
 Operator : JU/SJ
 Sample : K2153-01DL 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 CONC-1DL

Manual Integrations
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Sohil
 4/2/2019 3:49:49 PM

Quant Time: Apr 02 08:21:07 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	6.70	152	130682	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	507564	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	238339	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	444062	20.00	ng	0.00
76) Chrysene-d12	13.85	240	402771	20.00	ng	0.00
87) Perylene-d12	15.26	264	333677	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	409087	51.19	ng	0.00
7) Phenol-d6	6.35	99	580602	57.43	ng	0.00
23) Nitrobenzene-d5	7.27	82	330913	38.70	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	113775	38.65	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	675582	33.80	ng	0.00
79) Terphenyl-d14	12.80	244	706529	38.66	ng	0.00

Target Compounds				Qvalue		
50) Dimethylphthalate	9.46	163	50425	2.855	ng	99
52) Acenaphthene	9.77	154	50654	3.630	ng	99
58) Fluorene	10.29	166	54732	3.358	ng	99
71) Phenanthrene	11.24	178	915713	41.525	ng	99
72) Anthracene	11.29	178	217294	9.701	ng	98
73) Carbazole	11.45	167	72740	3.403	ng	98
75) Fluoranthene	12.43	202	1344992	53.952	ng	99
78) Pyrene	12.66	202	1340745	48.037	ng	99
80) Butylbenzylphthalate	13.27	149	35576	2.892	ng	97
81) Benzo(a)anthracene	13.84	228	701193	30.414	ng	99
83) Chrysene	13.87	228	636267	27.170	ng	98
84) Bis(2-ethylhexyl)phthalate	13.83	149	68473	4.541	ng	100
86) Indeno(1,2,3-cd)pyrene	16.62	276	327050	16.273	ng	97
88) Benzo(b)fluoranthene	14.86	252	743960m	35.892	ng	
89) Benzo(k)fluoranthene	14.89	252	187839m	10.319	ng	
90) Benzo(a)pyrene	15.20	252	508361	27.664	ng	99
91) Dibenzo(a,h)anthracene	16.63	278	84118m	5.294	ng	
92) Benzo(g,h,i)perylene	17.03	276	338710	21.142	ng	97

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

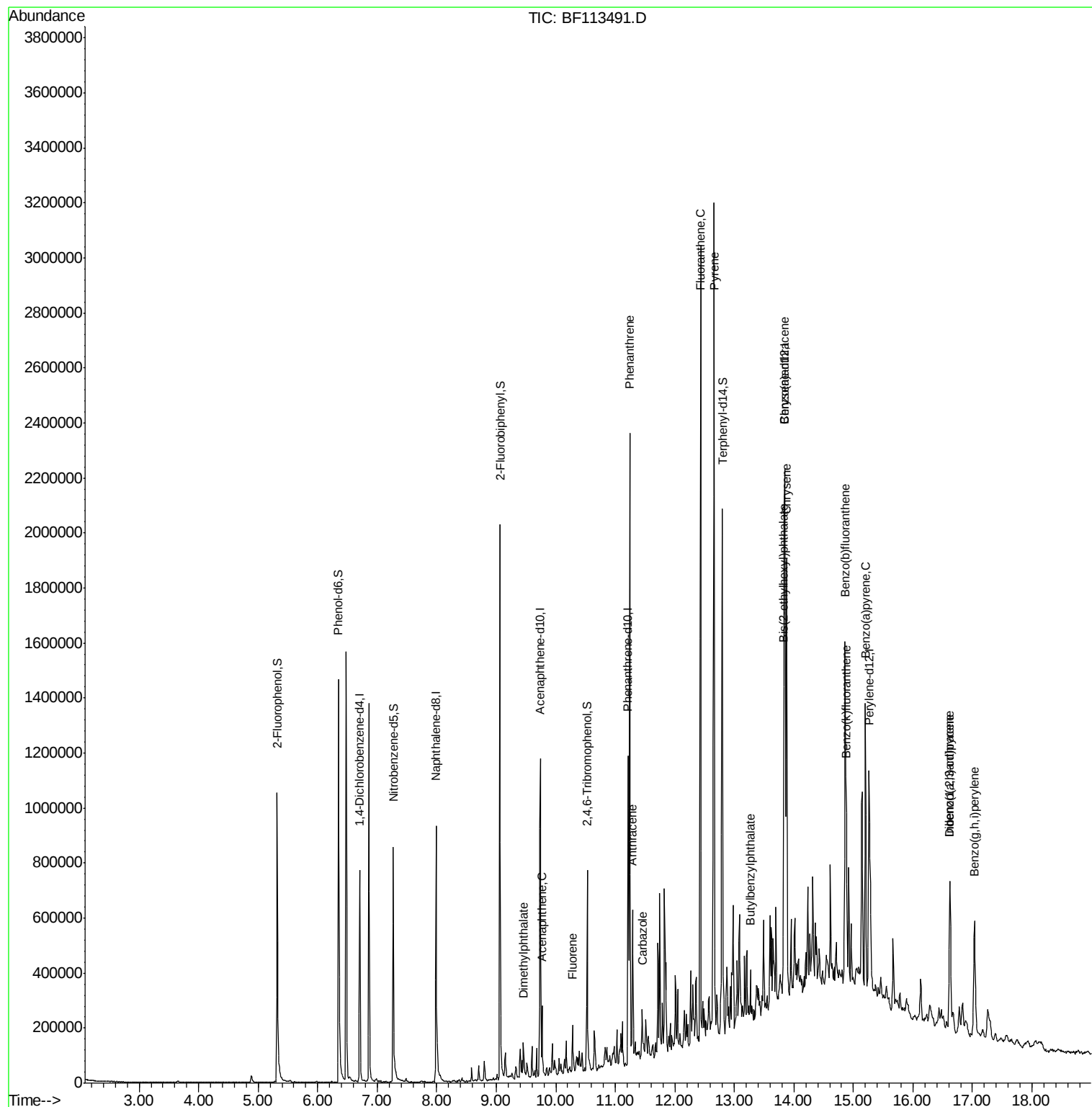
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
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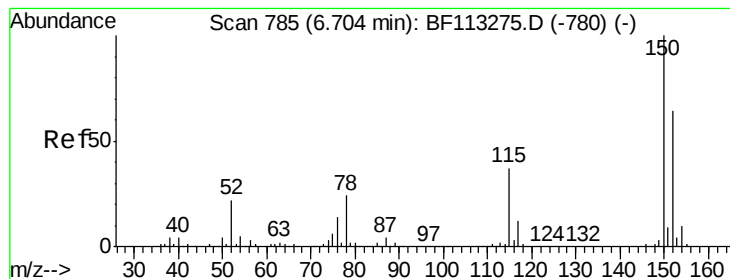
Instrument :
BNA_F
ClientSampleId :
CONC-1DL

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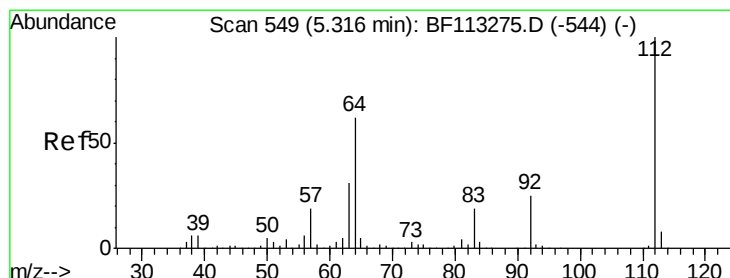
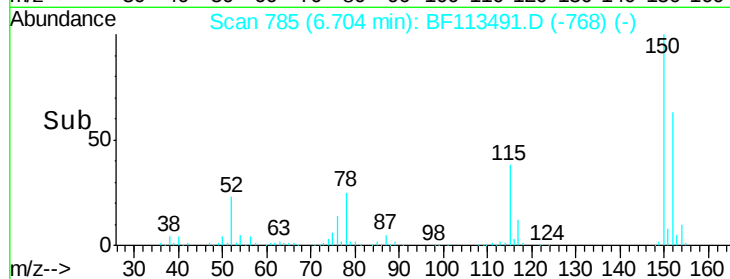
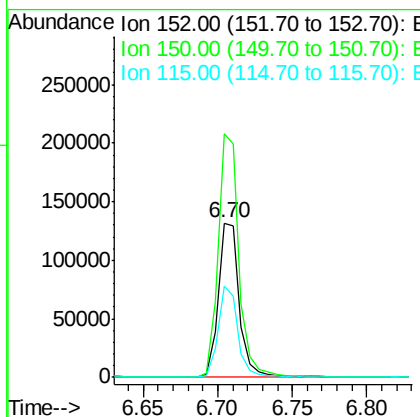
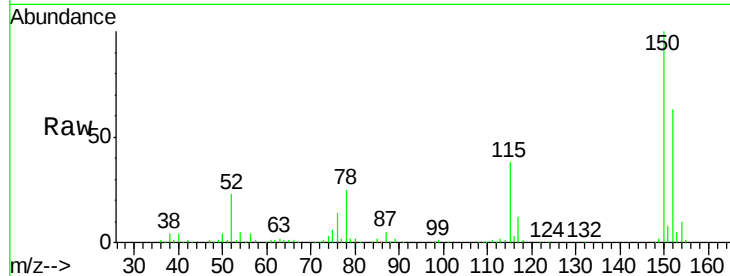
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: BF113491.D
 Acq: 2 Apr 2019 5:14

Instrument :
 BNA_F
 ClientSampleID :
 CONC-1DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.7	187.1
115	59.3	46.0	69.0

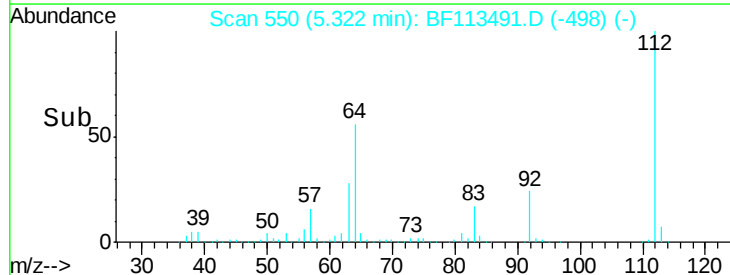
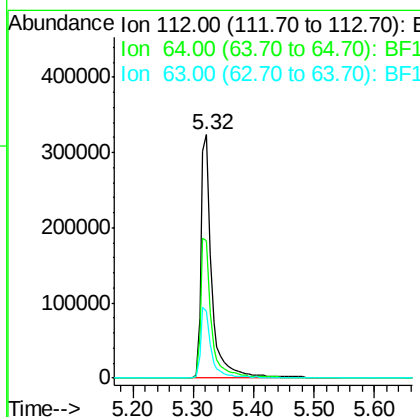
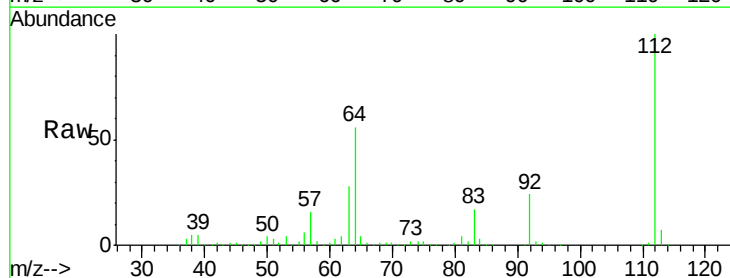
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#5
 2-Fluorophenol
 Concen: 51.186 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF113491.D
 Acq: 2 Apr 2019 5:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	49.2	73.8
63	27.6	24.9	37.3





#7

Phenol-d6

Concen: 57.425 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113491.D

Acq: 2 Apr 2019 5:14

Instrument :

BNA_F

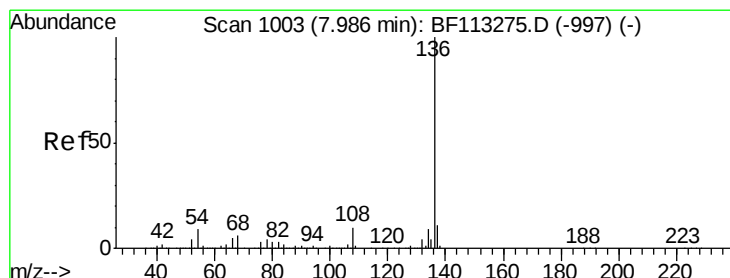
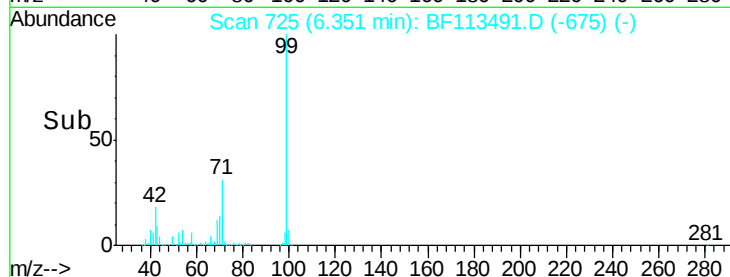
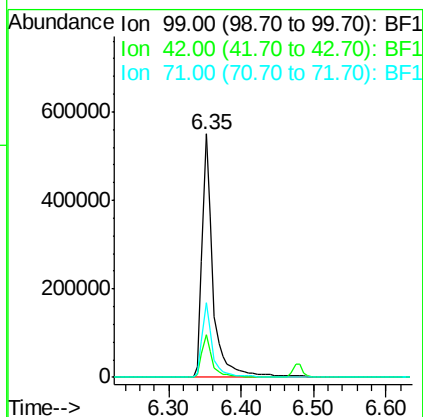
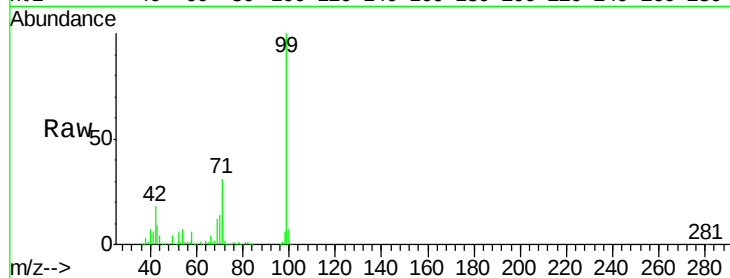
ClientSampleId :

CONC-1DL

Tgt Ion:	99	Resp:	580602
Ion Ratio	Lower	Upper	
99	100		
42	17.6	14.8	22.2
71	30.6	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

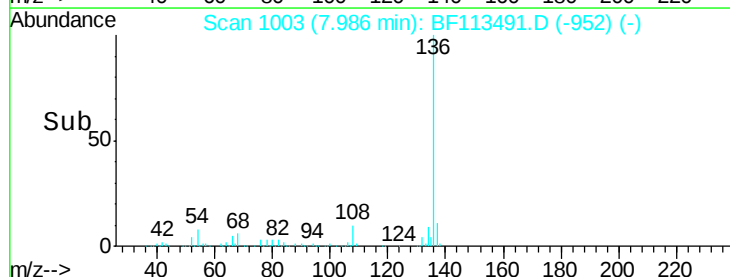
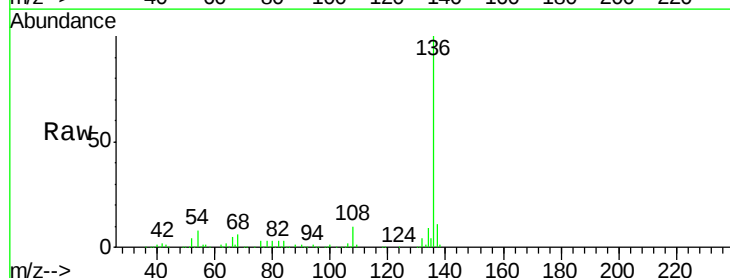
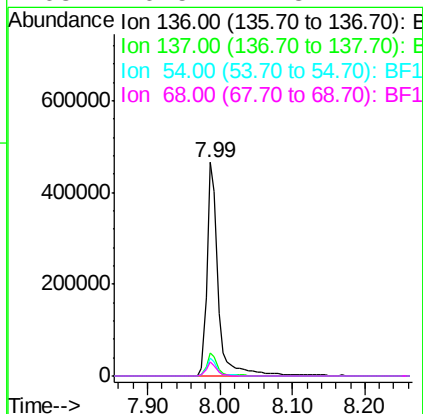
RT: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113491.D

Acq: 2 Apr 2019 5:14

Tgt Ion:	136	Resp:	507564
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.2	7.0	10.6
68	6.5	4.8	7.2





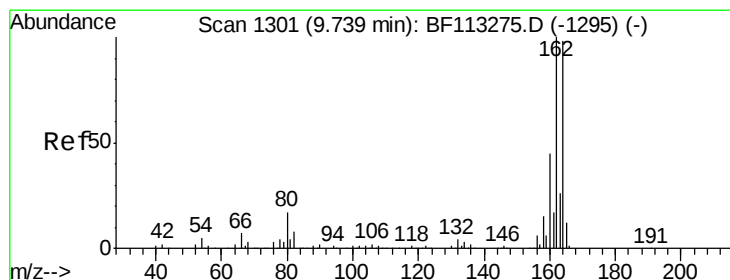
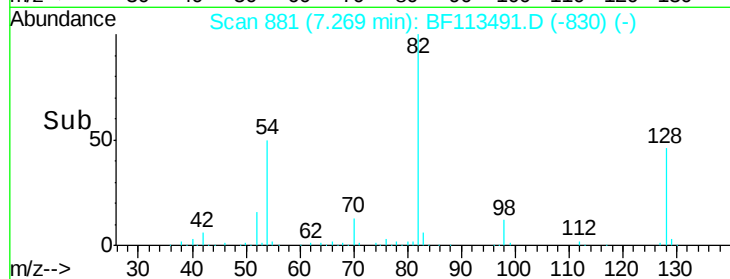
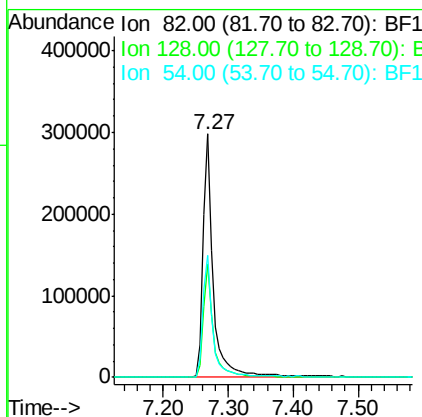
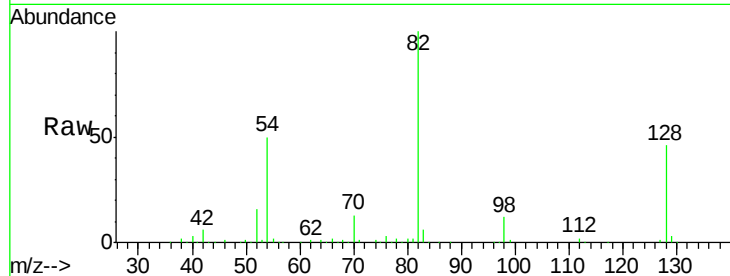
#23
 Nitrobenzene-d5
 Concen: 38.697 ng
 RT: 7.27 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BF113491.D
 Acq: 2 Apr 2019 5:14

Instrument :
 BNA_F
 ClientSampled :
 CONC-1DL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	330913		
128	46.4	36.5	54.7	
54	50.1	42.2	63.2	

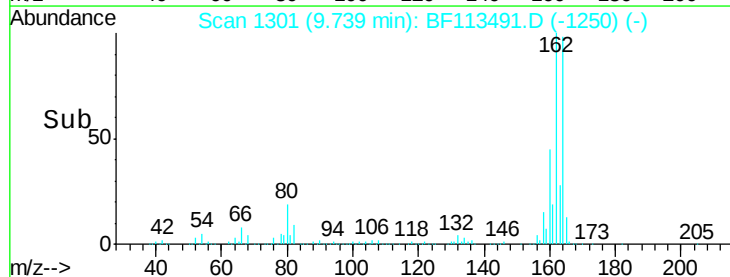
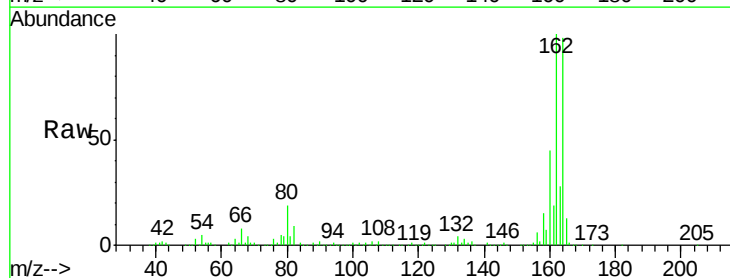
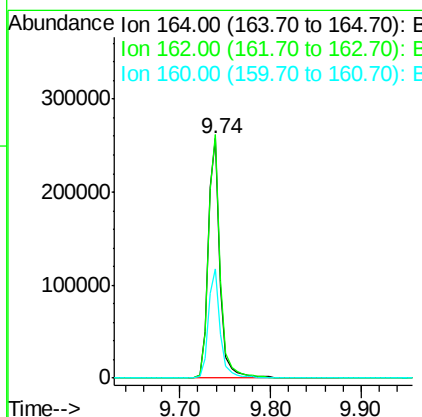
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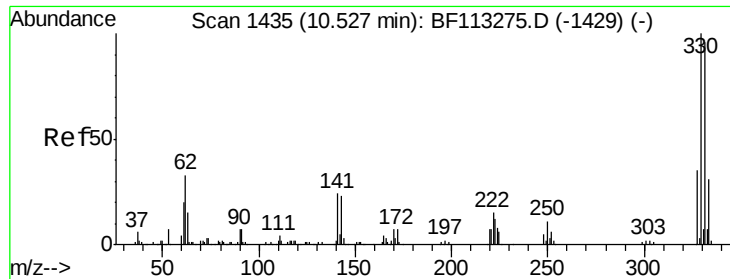
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF113491.D
 Acq: 2 Apr 2019 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	238339		
162	101.7	81.8	122.6	
160	45.7	36.4	54.6	





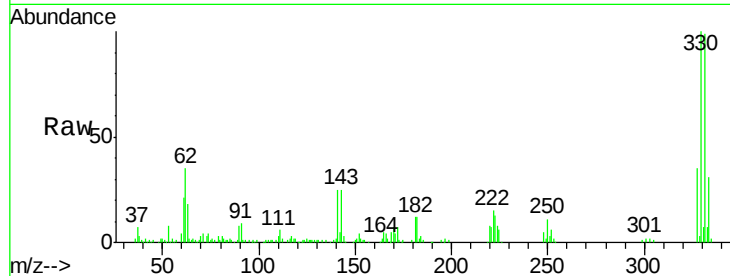
#42
 2,4,6-Tribromophenol
 Concen: 38.646 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF113491.D
 Acq: 2 Apr 2019 5:14

Instrument :
 BNA_F
 ClientSampled :
 CONC-1DL

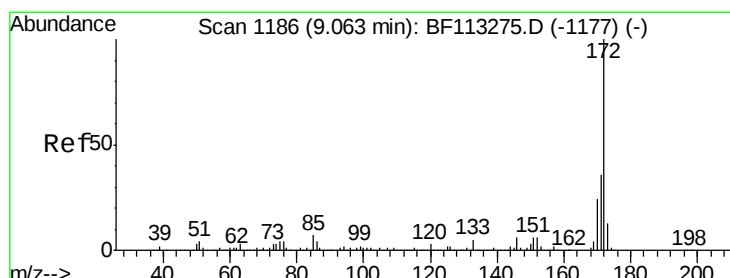
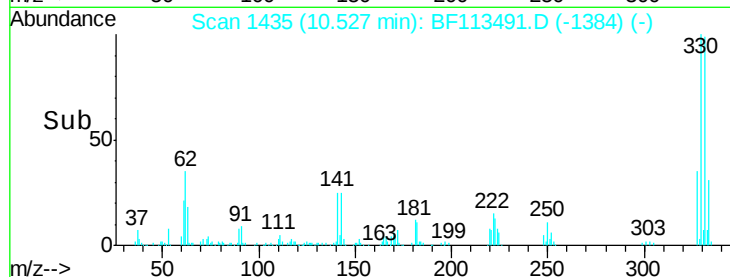
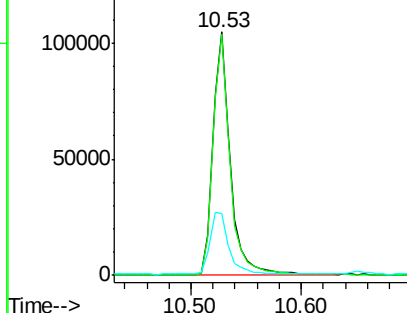
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	113775		
332	98.2	77.8	116.6	
141	27.6	22.7	34.1	

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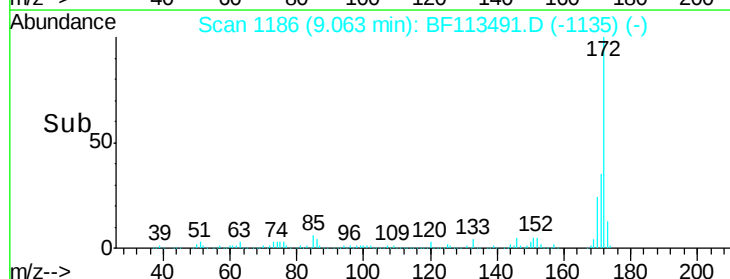
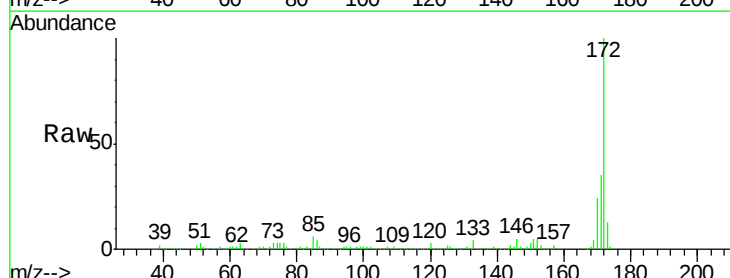
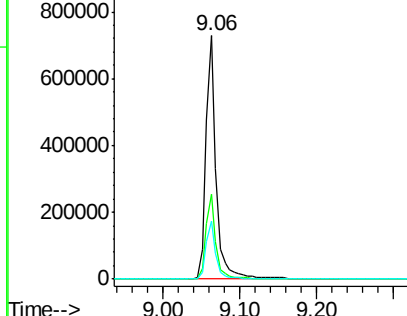
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

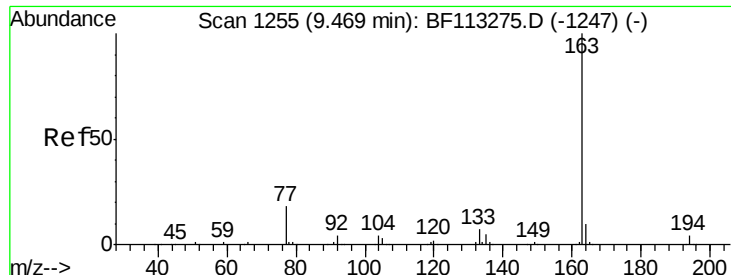


#45
 2-Fluorobiphenyl
 Concen: 33.805 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113491.D
 Acq: 2 Apr 2019 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	675582		
171	34.9	29.0	43.6	
170	23.8	19.5	29.3	

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





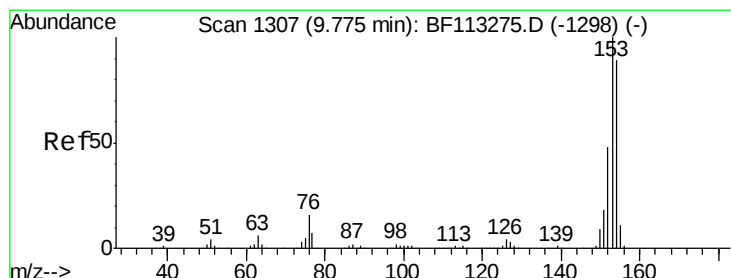
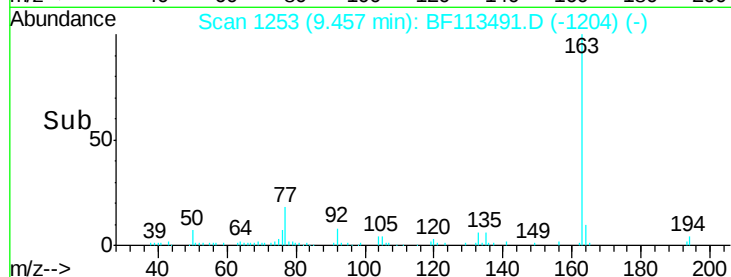
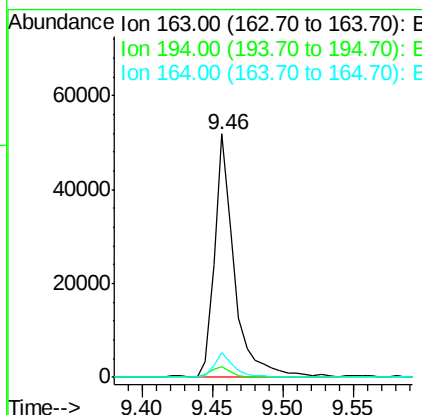
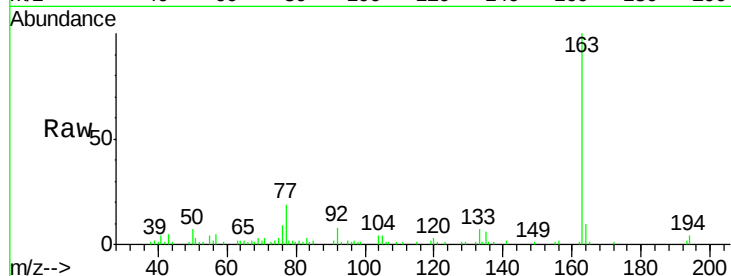
#50
Dimethylphthalate
Concen: 2.855 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF113491.D
Acq: 2 Apr 2019 5:14

Instrument :
BNA_F
ClientSampleId :
CONC-1DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	50425		
194	4.2		3.0	4.6
164	10.0		8.1	12.1

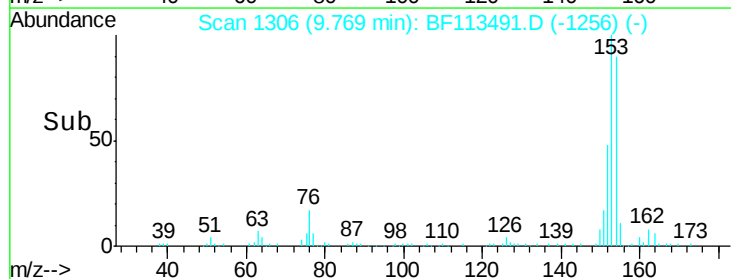
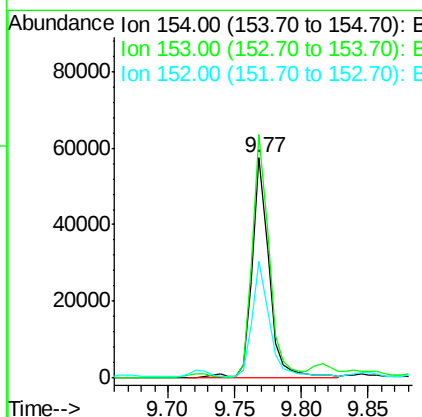
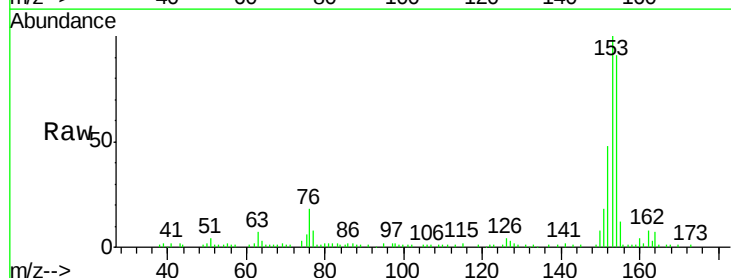
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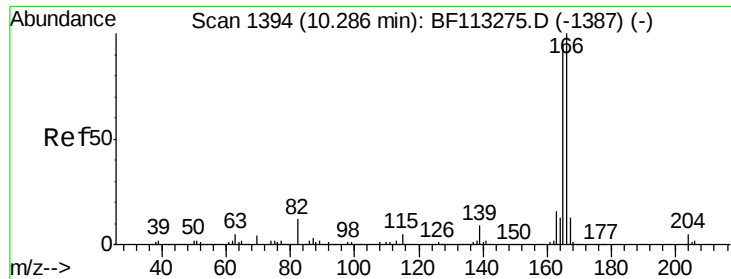
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#52
Acenaphthene
Concen: 3.630 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF113491.D
Acq: 2 Apr 2019 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	50654		
153	110.4		89.5	134.3
152	53.2		43.3	64.9





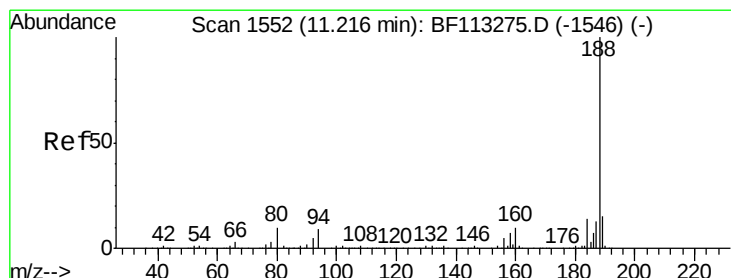
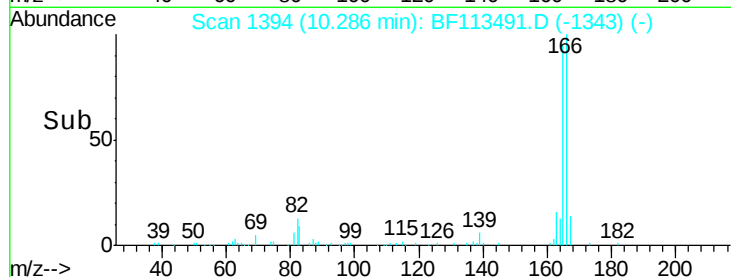
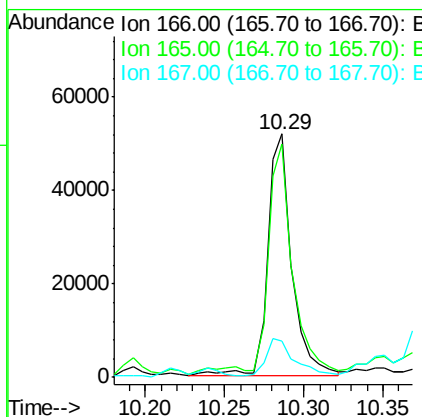
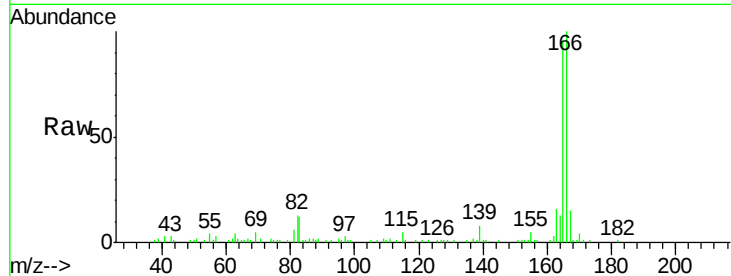
#58
Fluorene
 Concen: 3.358 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: BF113491.D
 Acq: 2 Apr 2019 5:14

Instrument :
 BNA_F
 ClientSampleId :
 CONC-1DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.8	76.2	114.2
167	14.9	10.7	16.1

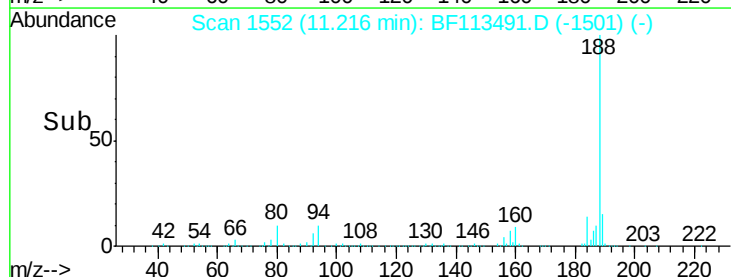
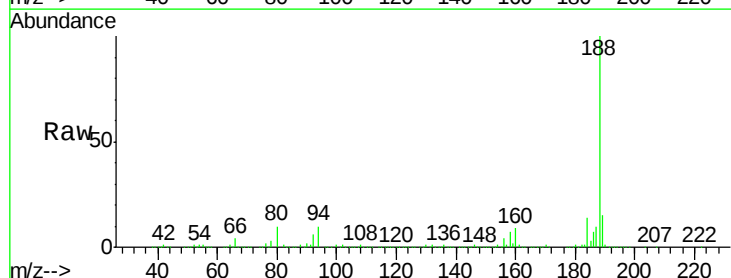
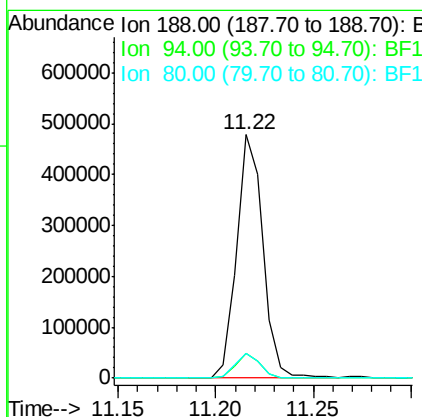
Manual Integrations
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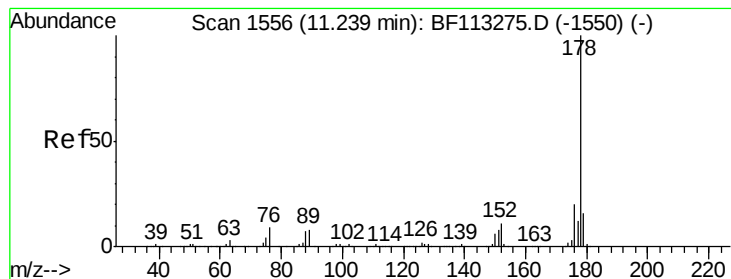
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF113491.D
 Acq: 2 Apr 2019 5:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.0	10.6
80	10.2	7.7	11.5





#71

Phenanthrene

Concen: 41.525 ng

RT: 11.24 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BF113491.D

Acq: 2 Apr 2019 5:14

Instrument :

BNA_F

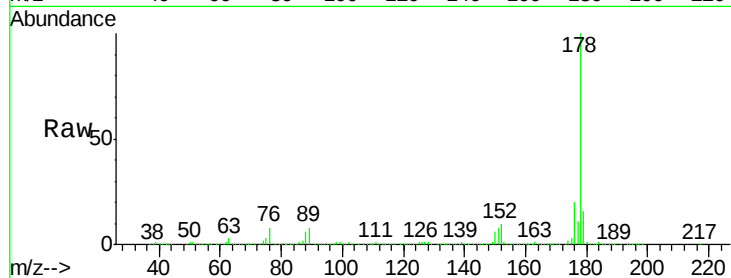
ClientSampled :

CONC-1DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.2
179	15.6	12.7	19.1

Manual Integrations
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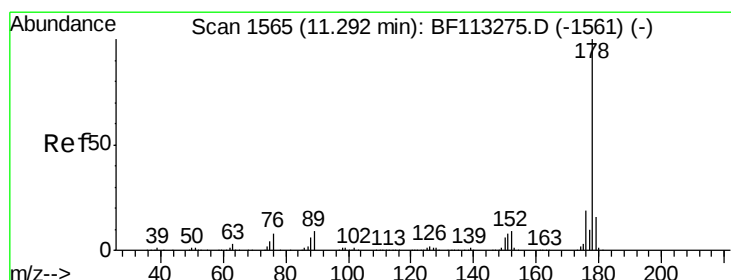
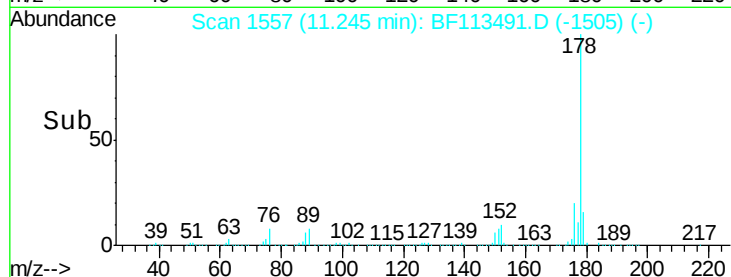
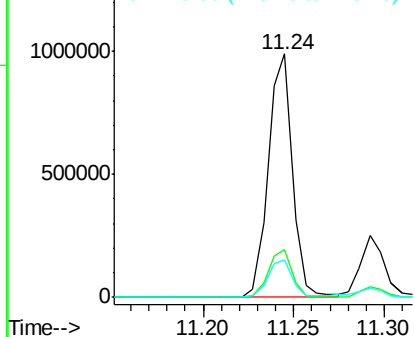
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 9.701 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BF113491.D

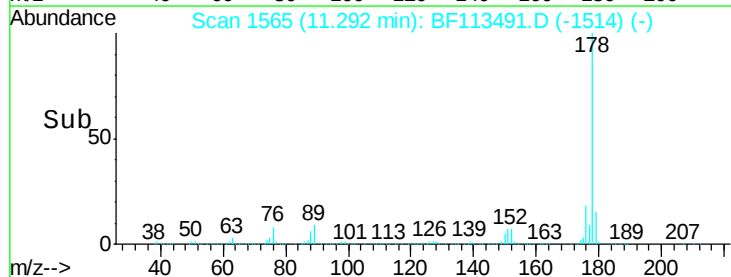
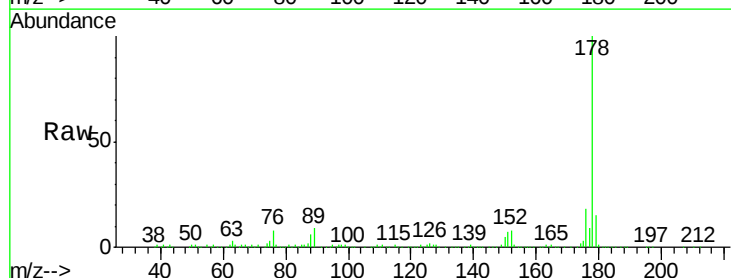
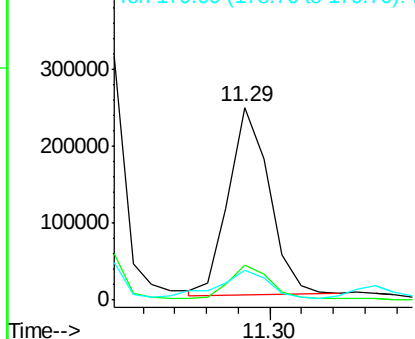
Acq: 2 Apr 2019 5:14

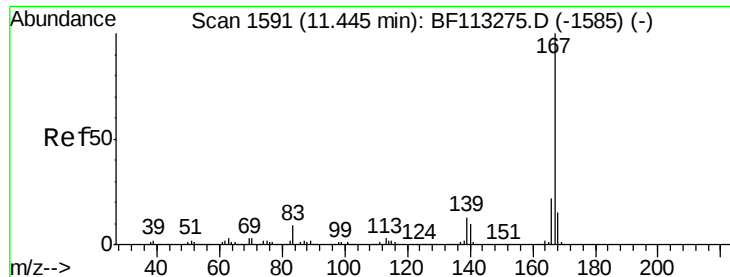
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.2	12.8	19.2

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





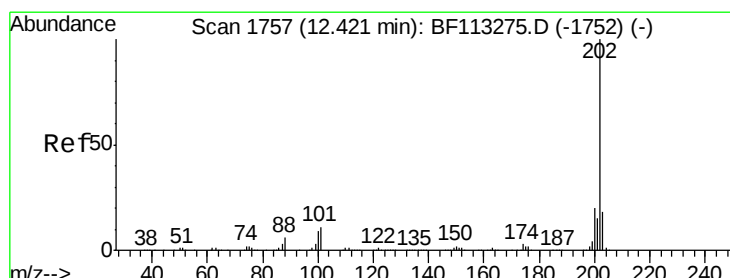
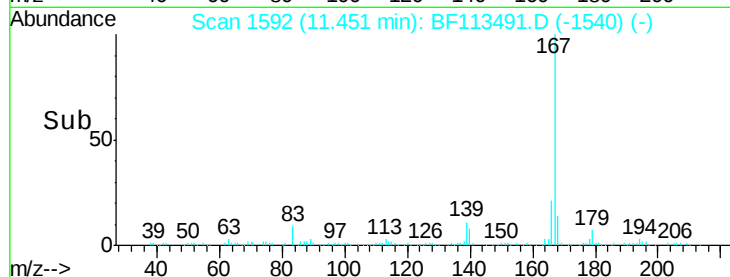
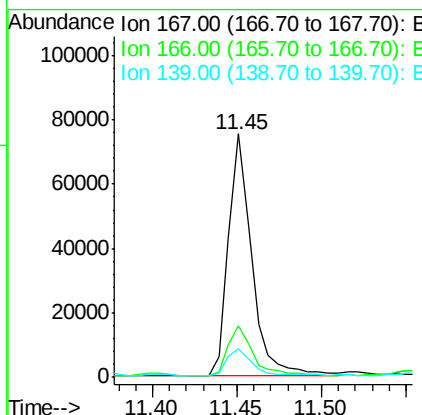
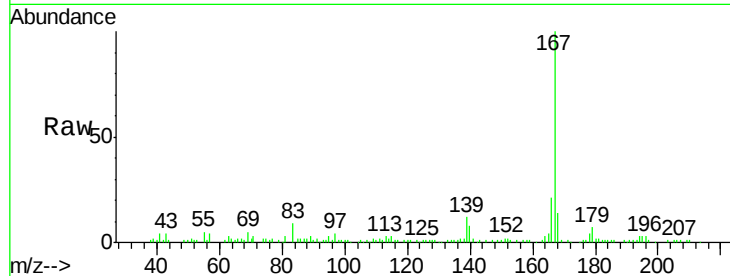
#73
 Carbazole
 Concen: 3.403 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.01 min
 Lab File: BF113491.D
 Acq: 2 Apr 2019 5:14

Instrument :
 BNA_F
 ClientSampleID :
 CONC-1DL

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

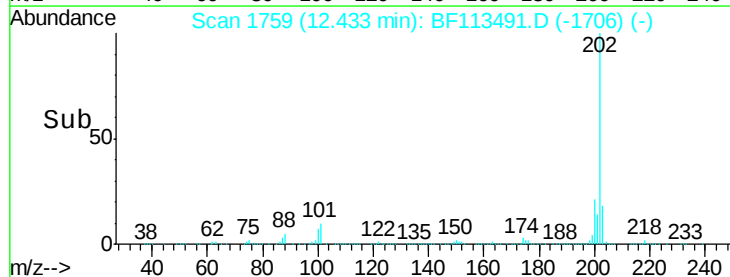
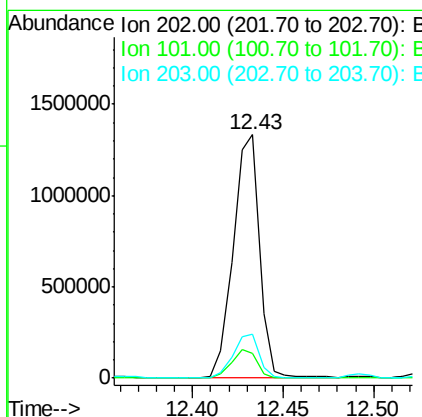
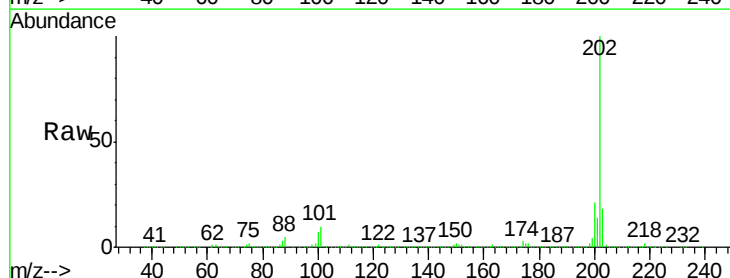
Manual Integrations
 APPROVED

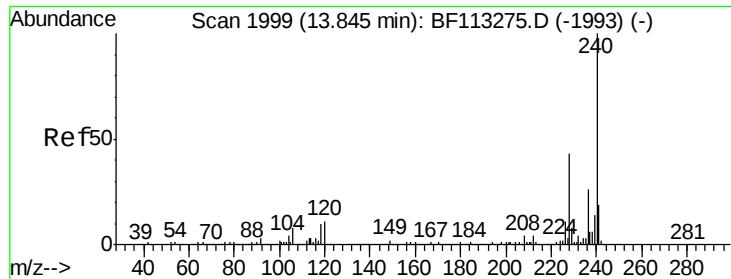
Sohil
 4/2/2019 3:49:49 PM



#75
 Fluoranthene
 Concen: 53.952 ng
 RT: 12.43 min Scan# 1759
 Delta R.T. 0.01 min
 Lab File: BF113491.D
 Acq: 2 Apr 2019 5:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.4
203	17.9	0.0	38.0





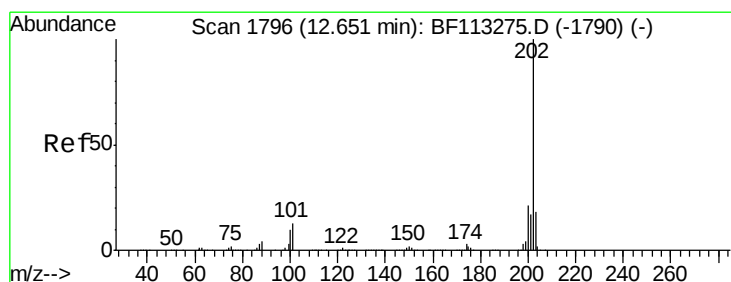
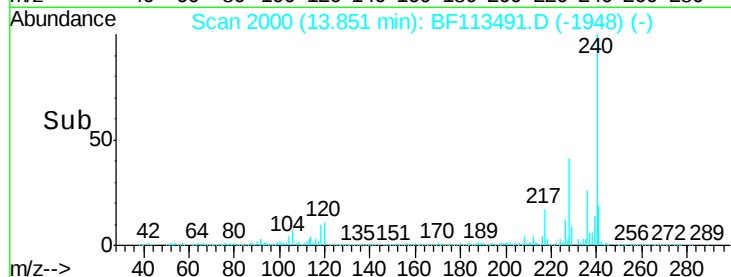
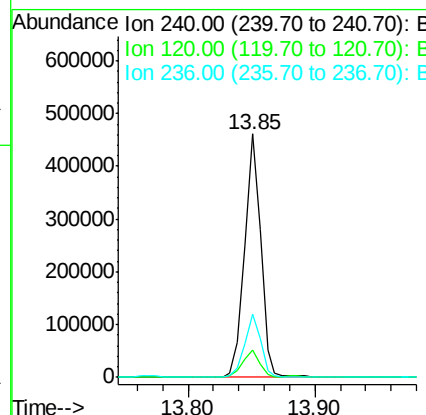
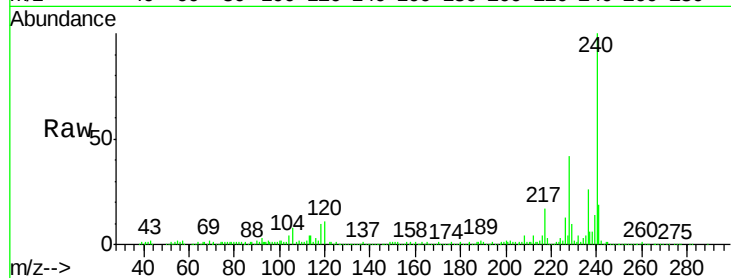
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF113491.D
Acq: 2 Apr 2019 5:14

Instrument :
BNA_F
ClientSampleId :
CONC-1DL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	402771		
120	11.3	8.8	13.2	
236	25.8	20.9	31.3	

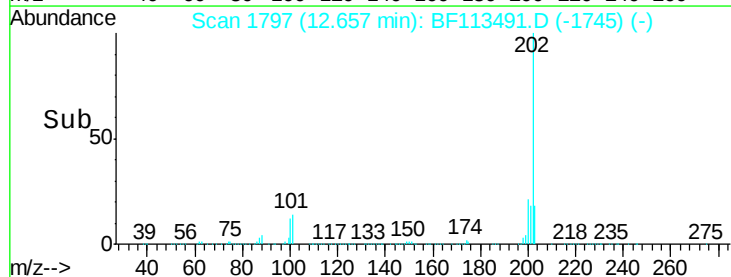
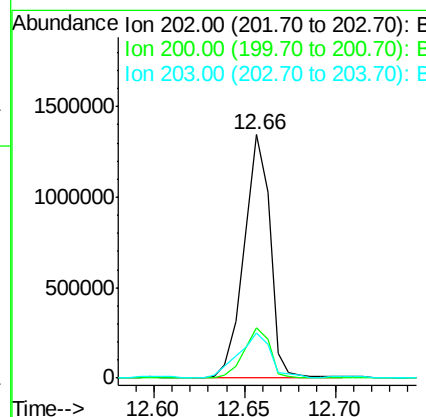
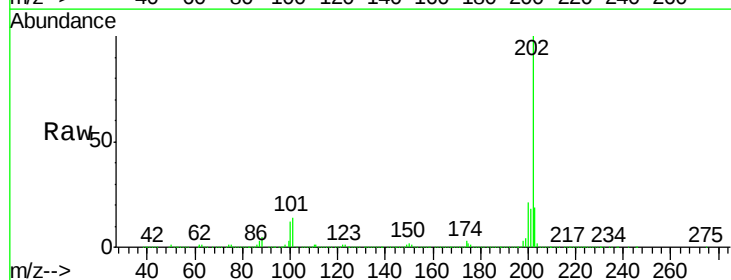
Manual Integrations
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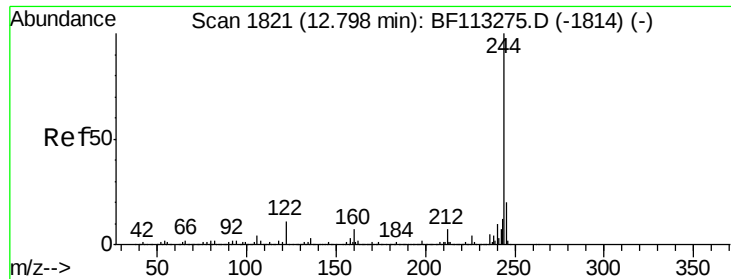
Sohil
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#78
Pyrene
Concen: 48.037 ng
RT: 12.66 min Scan# 1797
Delta R.T. 0.01 min
Lab File: BF113491.D
Acq: 2 Apr 2019 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1340745		
200	20.9	16.8	25.2	
203	18.5	14.4	21.6	





#79

Terphenyl-d14

Concen: 38.665 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF113491.D

Acq: 2 Apr 2019 5:14

Instrument :

BNA_F

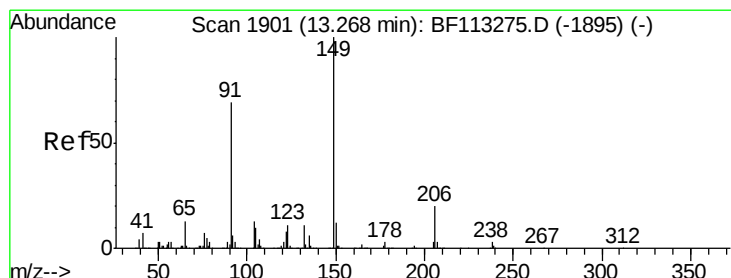
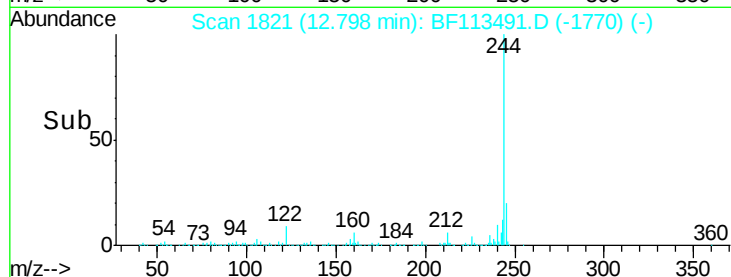
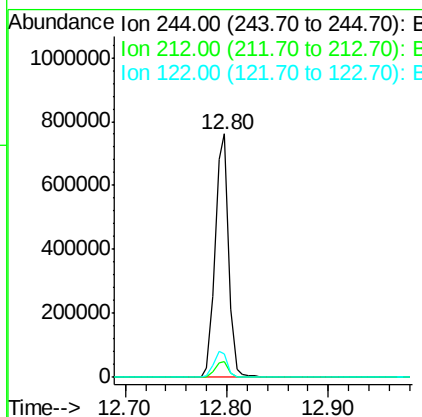
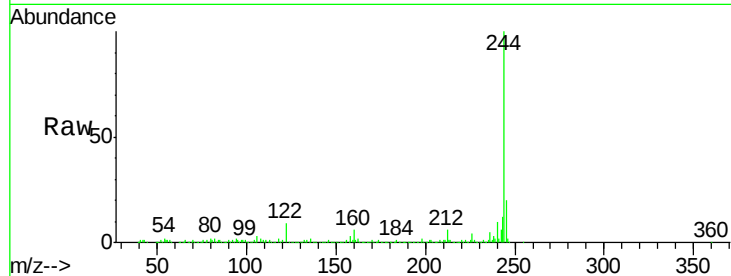
ClientSampleId :

CONC-1DL

Tgt Ion:	244	Resp:	706529
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.5	8.3
122	9.4	8.6	13.0

Manual Integrations
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#80

Butylbenzylphthalate

Concen: 2.892 ng

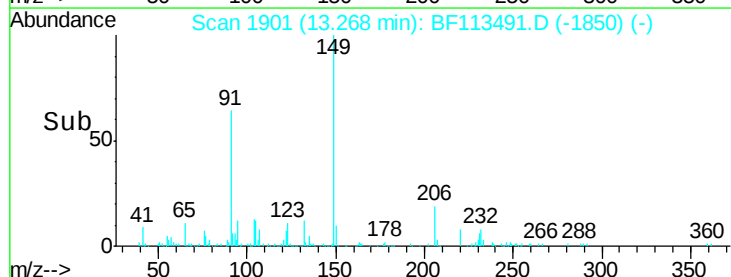
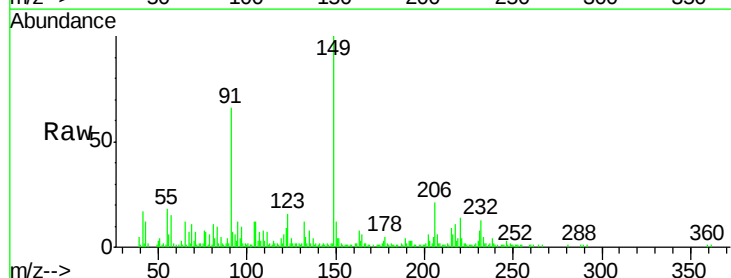
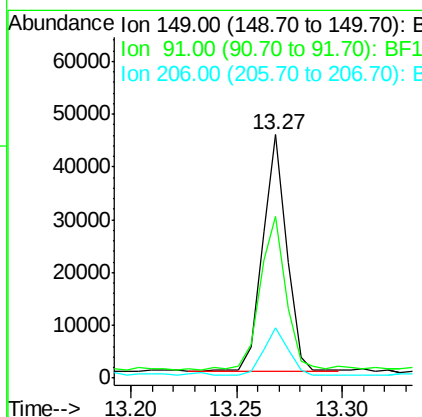
RT: 13.27 min Scan# 1901

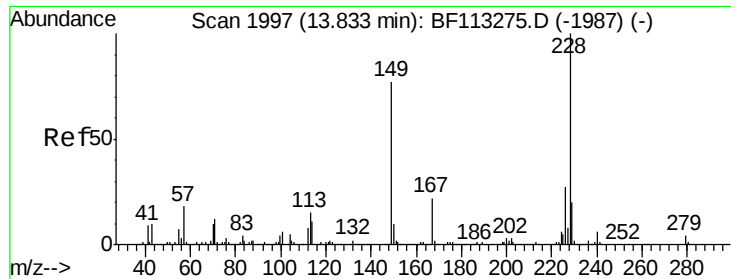
Delta R.T. -0.00 min

Lab File: BF113491.D

Acq: 2 Apr 2019 5:14

Tgt Ion:	149	Resp:	35576
Ion Ratio	Lower	Upper	
149	100		
91	66.3	55.2	82.8
206	20.9	16.1	24.1





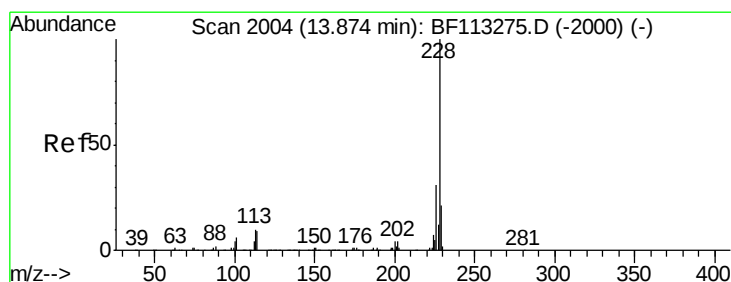
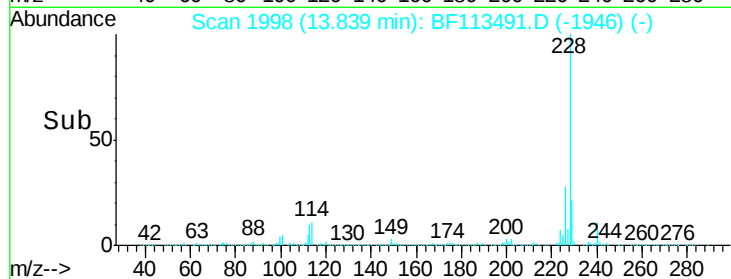
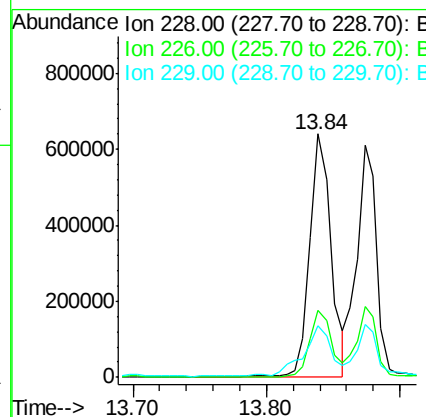
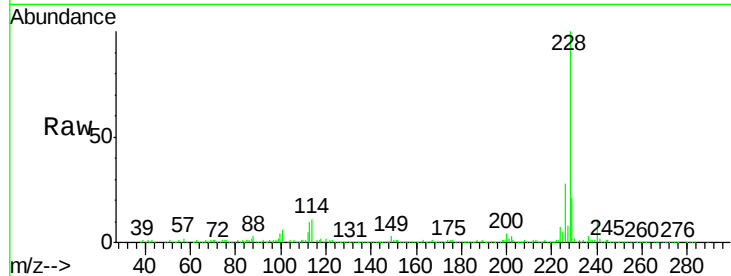
#81
Benzo(a)anthracene
Concen: 30.414 ng
RT: 13.84 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BF113491.D
Acq: 2 Apr 2019 5:14

Instrument :
BNA_F
ClientSampleId :
CONC-1DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	20.9	16.2	24.4

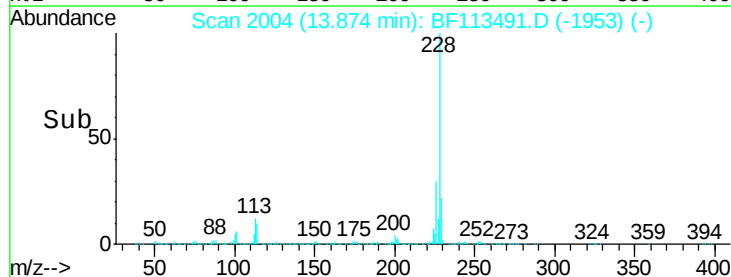
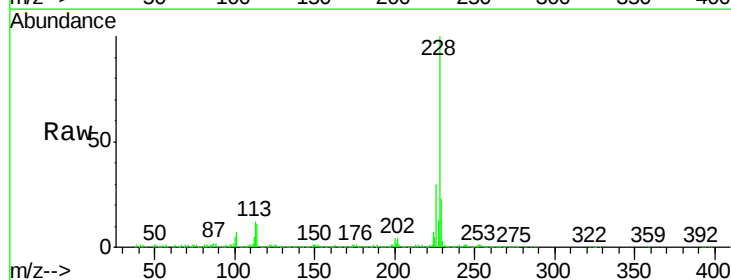
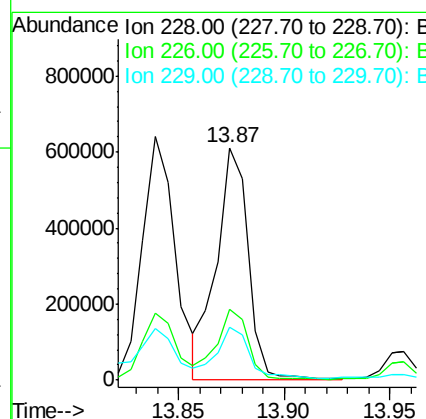
Manual Integrations
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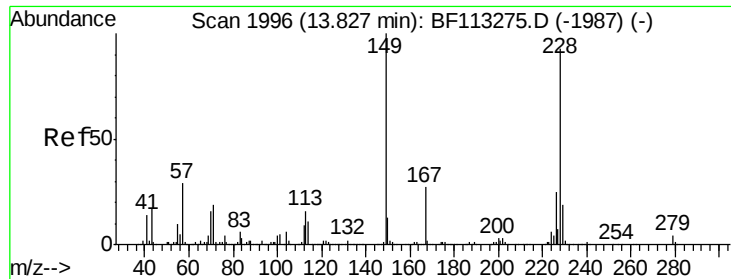
Sohil
4/2/2019 3:49:49 PM



#83
Chrysene
Concen: 27.170 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF113491.D
Acq: 2 Apr 2019 5:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	22.6	16.3	24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.541 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF113491.D

Acq: 2 Apr 2019 5:14

Instrument :

BNA_F

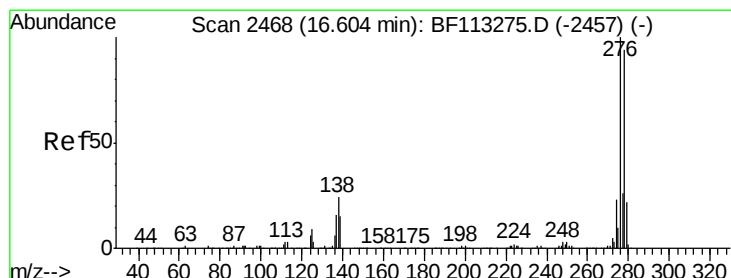
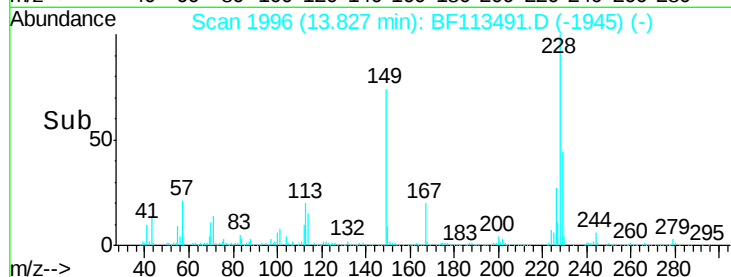
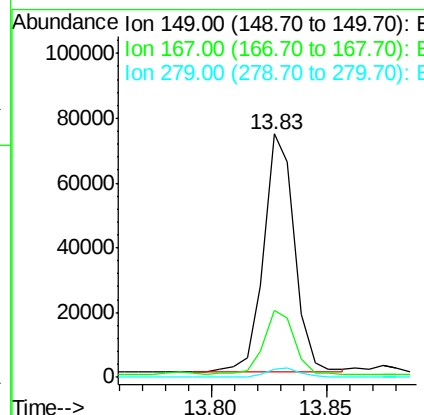
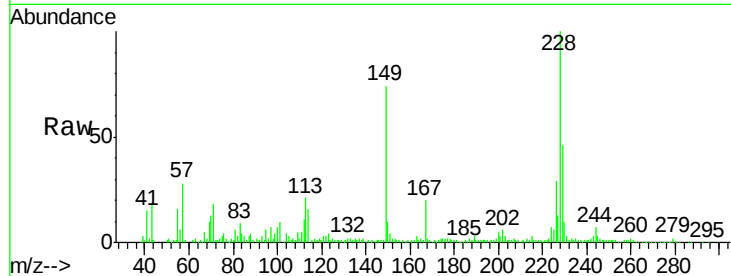
ClientSampleId :

CONC-1DL

Tgt Ion:	149	Resp:	68473
Ion Ratio	Lower	Upper	
149	100		
167	27.3	21.8	32.8
279	3.3	2.9	4.3

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 16.273 ng

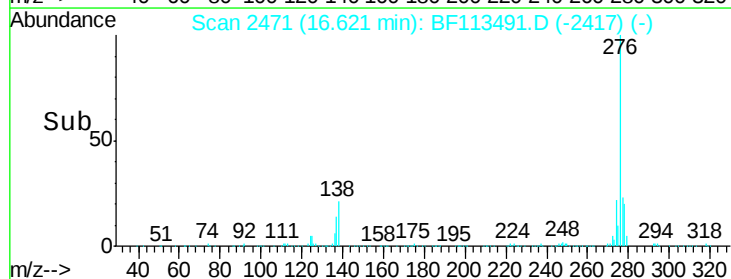
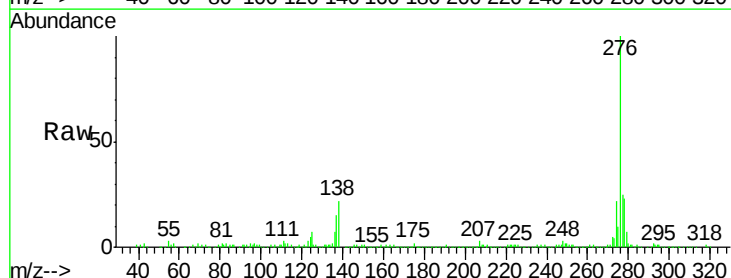
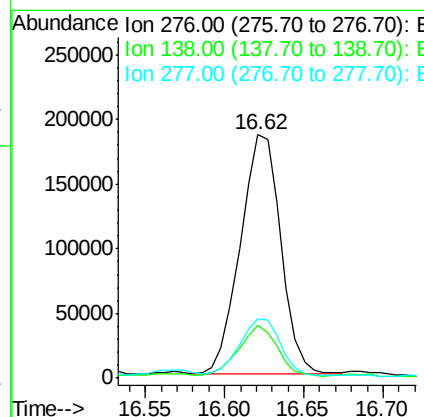
RT: 16.62 min Scan# 2471

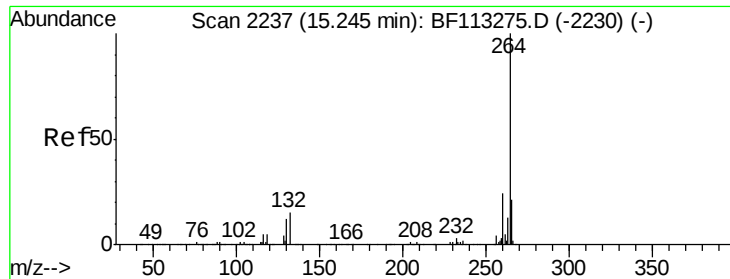
Delta R.T. 0.02 min

Lab File: BF113491.D

Acq: 2 Apr 2019 5:14

Tgt Ion:	276	Resp:	327050
Ion Ratio	Lower	Upper	
276	100		
138	20.6	18.1	27.1
277	24.0	20.2	30.4





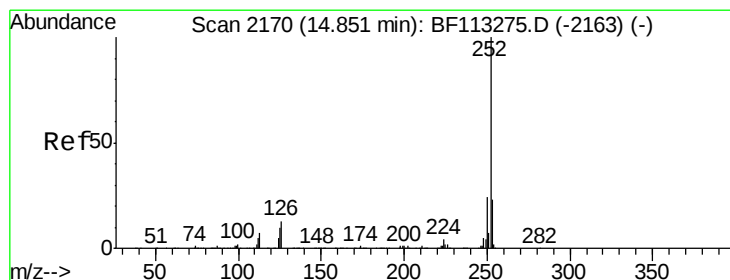
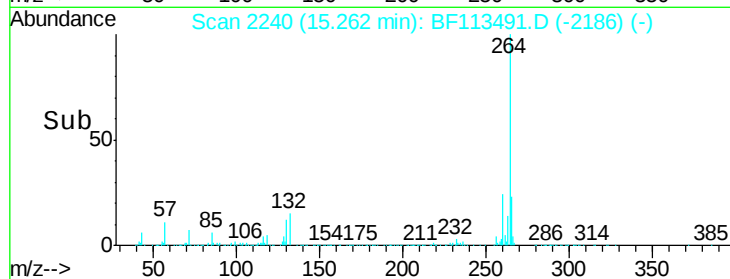
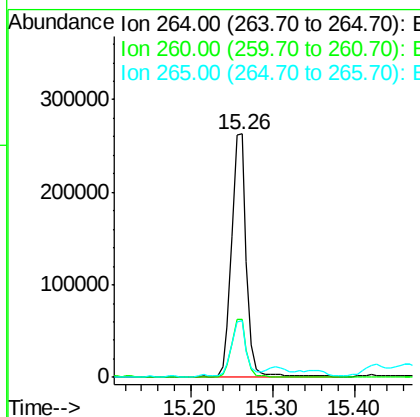
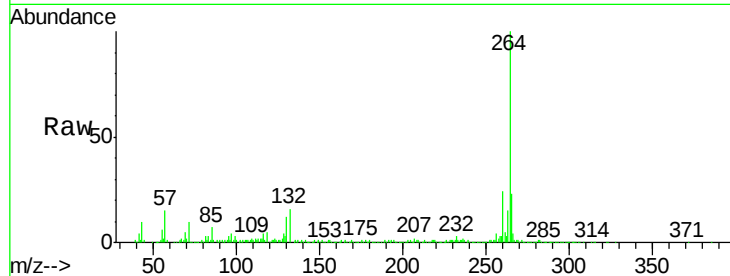
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.02 min
Lab File: BF113491.D
Acq: 2 Apr 2019 5:14

Instrument :
BNA_F
ClientSampleId :
CONC-1DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.1	28.7
265	23.3	17.1	25.7

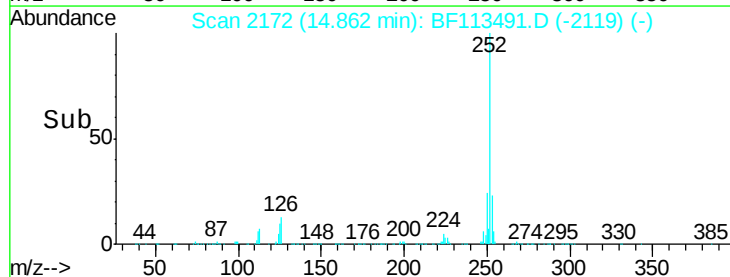
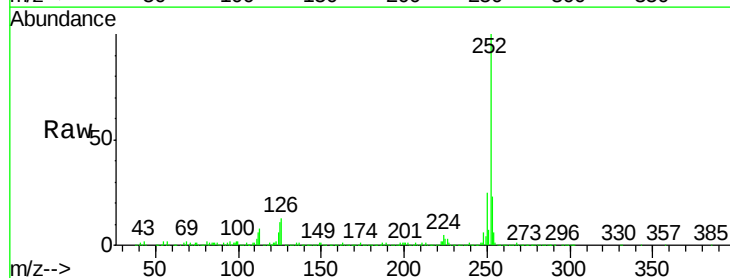
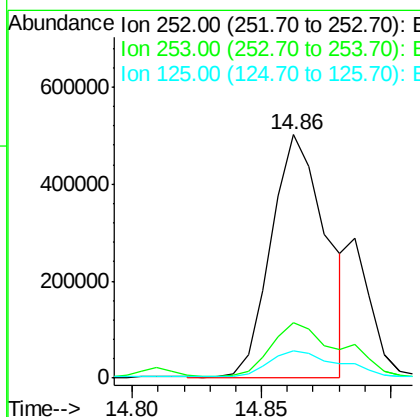
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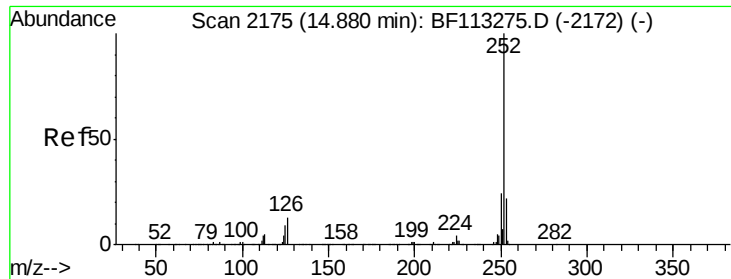
Sohil
4/2/2019 3:49:49 PM



#88
Benzo(b)fluoranthene
Concen: 35.892 ng m
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF113491.D
Acq: 2 Apr 2019 5:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.0	7.6	11.4





#89

Benzo(k)fluoranthene

Concen: 10.319 ng m

RT: 14.89 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BF113491.D

Acq: 2 Apr 2019 5:14

Instrument :

BNA_F

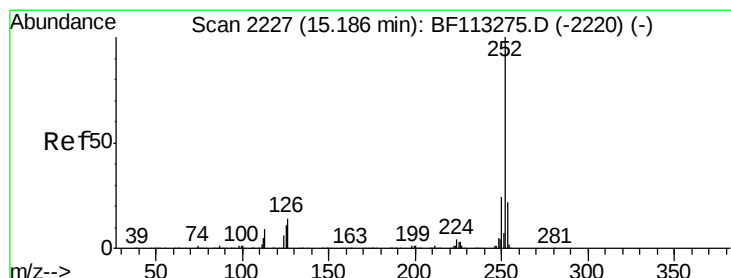
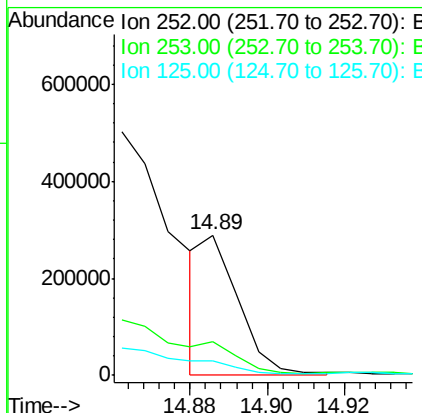
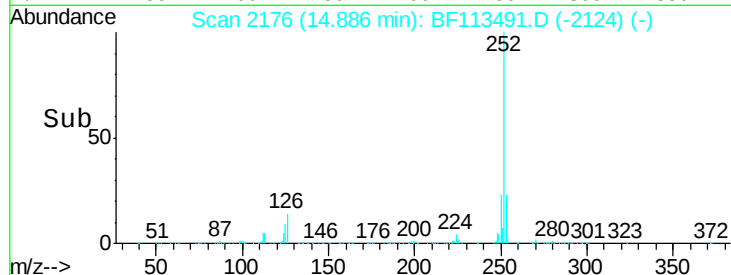
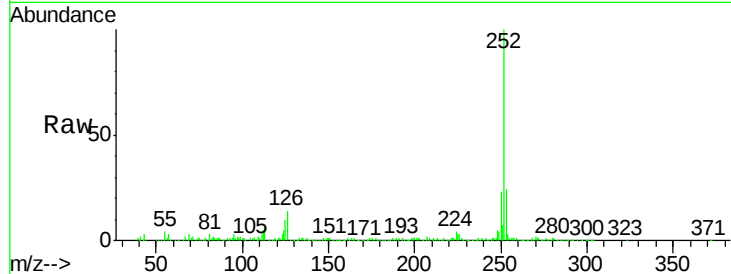
ClientSampleId :

CONC-1DL

Tgt Ion:	252	Resp:	187839
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.7	26.5
125	10.1	7.3	10.9

Manual Integrations
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4/2/2019 3:49:49 PM



#90

Benzo(a)pyrene

Concen: 27.664 ng

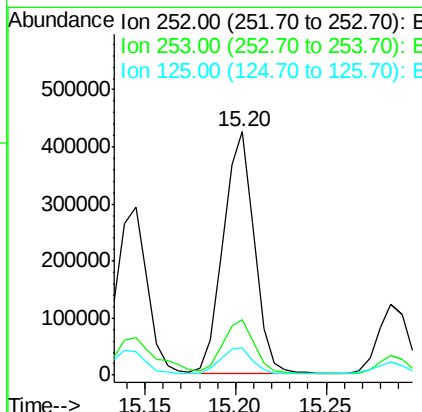
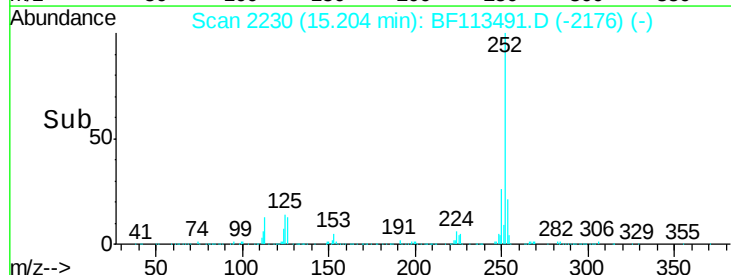
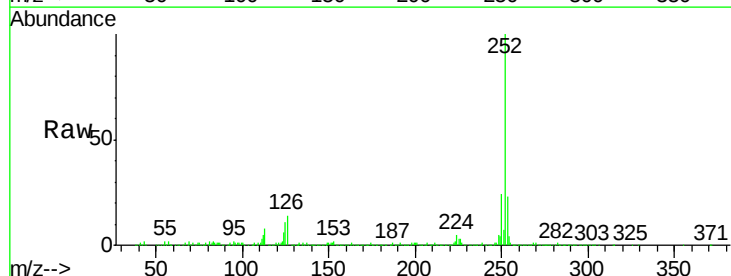
RT: 15.20 min Scan# 2230

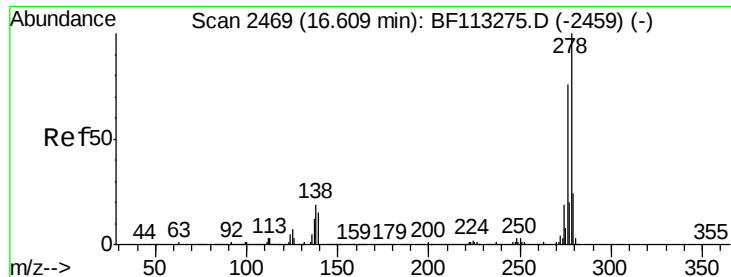
Delta R.T. 0.02 min

Lab File: BF113491.D

Acq: 2 Apr 2019 5:14

Tgt Ion:	252	Resp:	508361
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.9	26.9
125	11.2	8.8	13.2





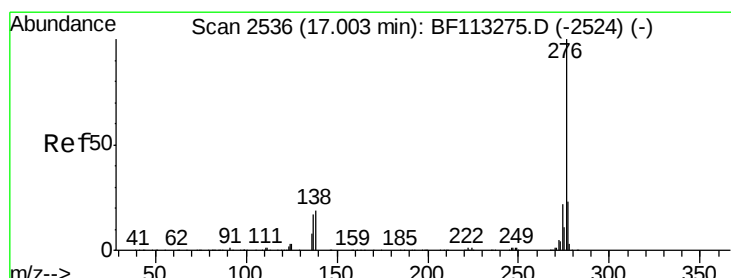
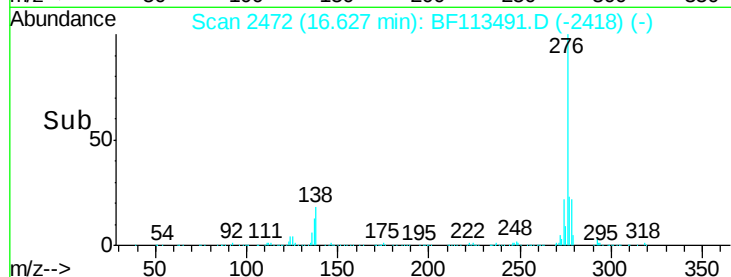
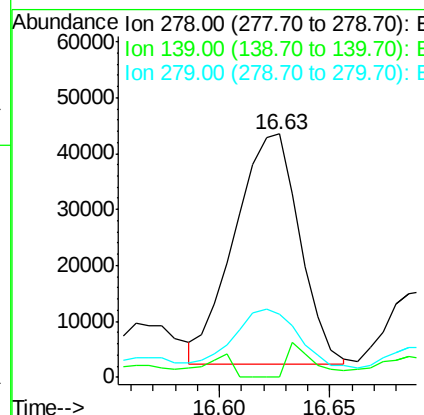
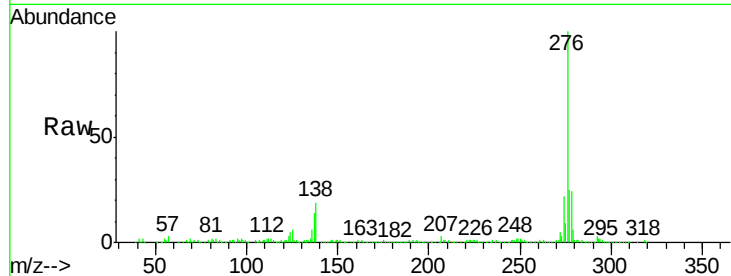
#91
Dibenzo(a,h)anthracene
Concen: 5.294 ng m
RT: 16.63 min Scan# 2472
Delta R.T. 0.02 min
Lab File: BF113491.D
Acq: 2 Apr 2019 5:14

Instrument :
BNA_F
ClientSampled :
CONC-1DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	25.9	19.0	28.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 21.142 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.03 min
Lab File: BF113491.D
Acq: 2 Apr 2019 5:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.8	28.2
138	21.2	15.6	23.4

