

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113494.D
 Acq On : 2 Apr 2019 6:37
 Operator : JU/SJ
 Sample : K2056-03DL 2X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-9DL

Manual Integrations
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Quant Time: Apr 02 07:58:22 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	132528	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	499839	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	219409	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	395006	20.00	ng	0.00
76) Chrysene-d12	13.85	240	363840	20.00	ng	0.00
87) Perylene-d12	15.26	264	249175	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	374693	46.23	ng	0.00
7) Phenol-d6	6.35	99	517008	50.42	ng	0.00
23) Nitrobenzene-d5	7.27	82	266983	31.70	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	116429	42.96	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	581831	30.19	ng	0.00
79) Terphenyl-d14	12.80	244	574120	34.78	ng	0.00
Target Compounds						
49) Acenaphthylene	9.60	152	49721	2.179	ng	99
52) Acenaphthene	9.77	154	34868	2.714	ng	99
58) Fluorene	10.29	166	31473	2.098	ng	97
71) Phenanthrene	11.24	178	340685	17.368	ng	98
72) Anthracene	11.29	178	128865	6.468	ng	98
73) Carbazole	11.45	167	82389	4.333	ng	98
75) Fluoranthene	12.43	202	1594636	71.909	ng	100
78) Pyrene	12.66	202	1362697	54.048	ng	99
81) Benzo(a)anthracene	13.84	228	386469	18.556	ng	97
83) Chrysene	13.87	228	819901	38.758	ng	99
86) Indeno(1,2,3-cd)pyrene	16.62	276	78592	4.329	ng	95
88) Benzo(b)fluoranthene	14.86	252	549785m	35.519	ng	
89) Benzo(k)fluoranthene	14.88	252	178198m	13.109	ng	
90) Benzo(a)pyrene	15.20	252	120275	8.765	ng	97
92) Benzo(g,h,i)perylene	17.03	276	62067	5.188	ng	93

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

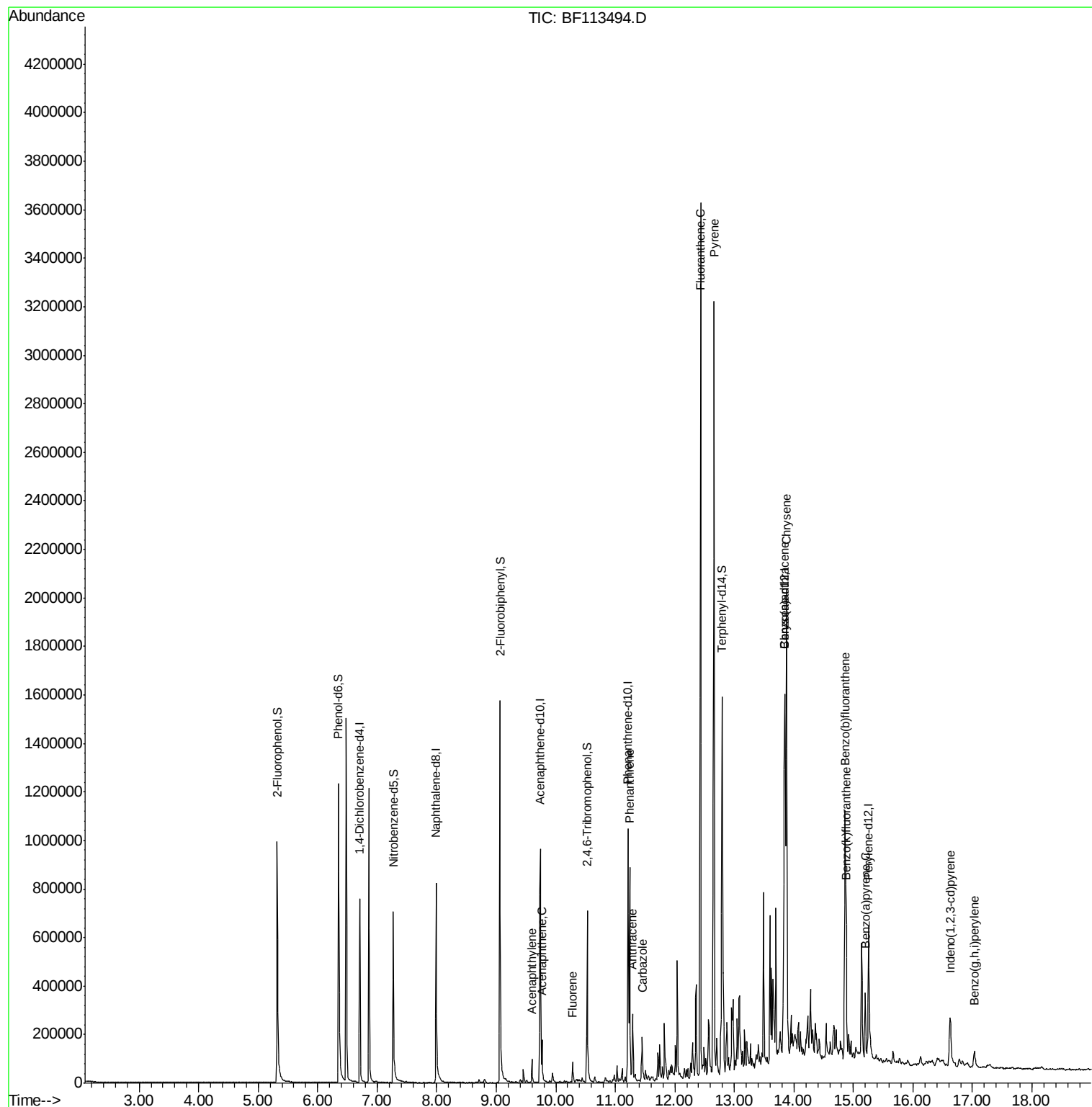
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
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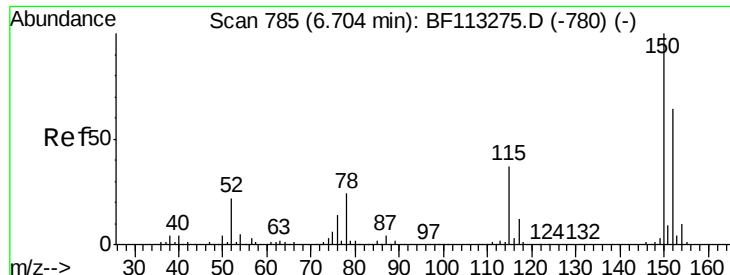
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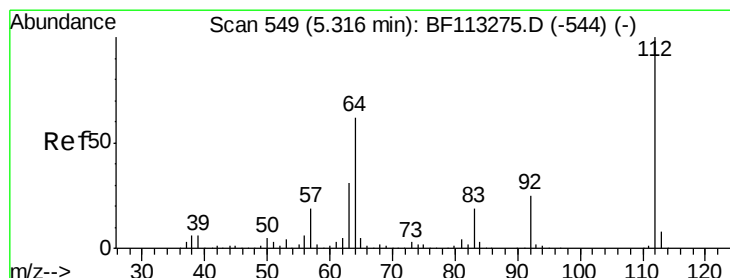
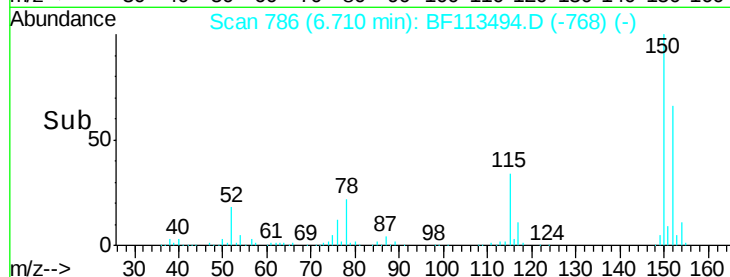
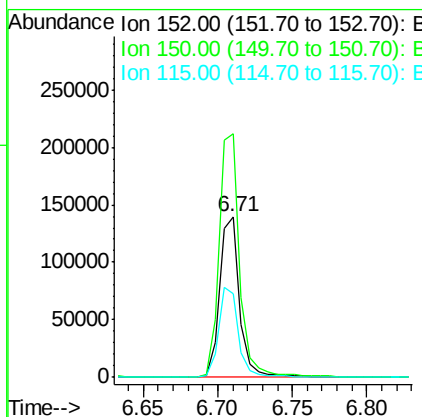
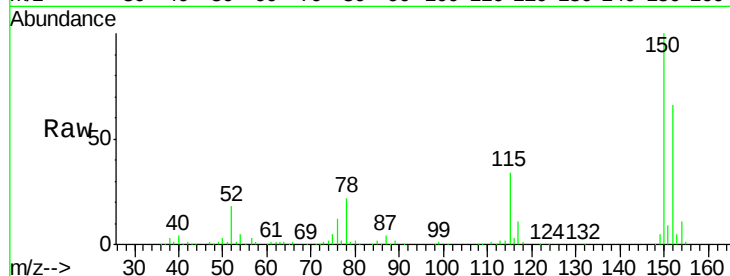
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. 0.01 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Instrument :
 BNA_F
 ClientSampled :
 CS-9DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.8	124.7	187.1
115	52.1	46.0	69.0

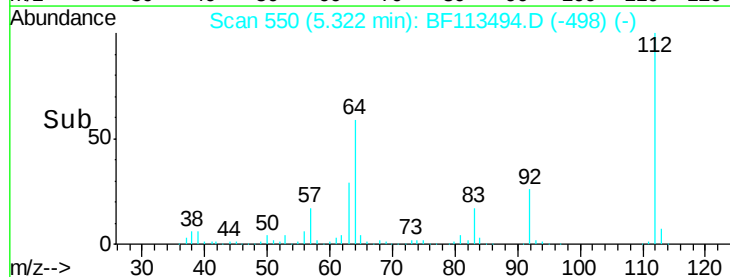
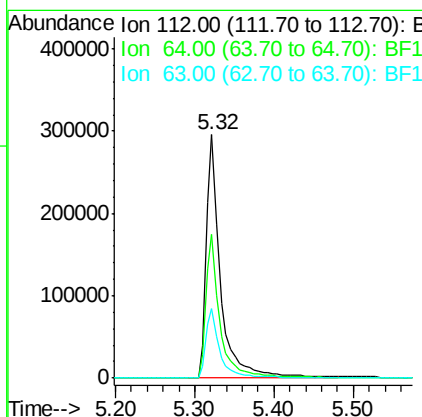
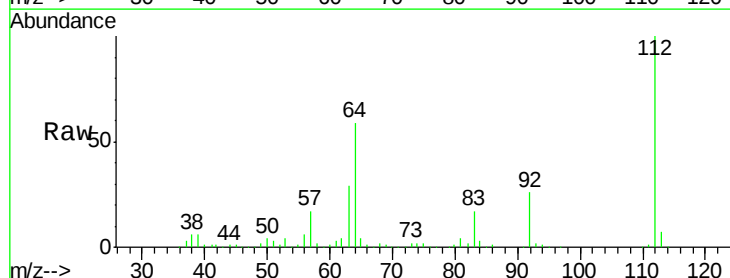
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#5
 2-Fluorophenol
 Concen: 46.229 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	49.2	73.8
63	28.8	24.9	37.3





#7

Phenol-d6

Concen: 50.423 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113494.D

Acq: 2 Apr 2019 6:37

Instrument :

BNA_F

ClientSampleId :

CS-9DL

Tgt Ion: 99 Resp: 517008

Ion Ratio Lower Upper

99 100

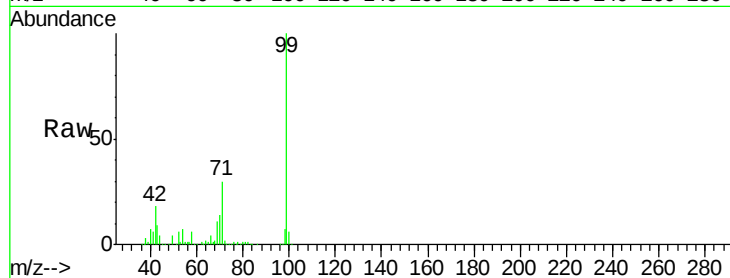
42 17.7 14.8 22.2

71 30.2 24.9 37.3

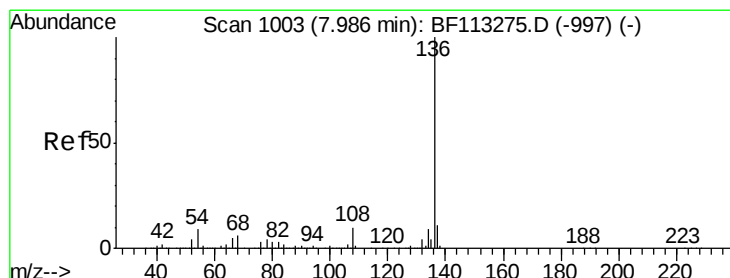
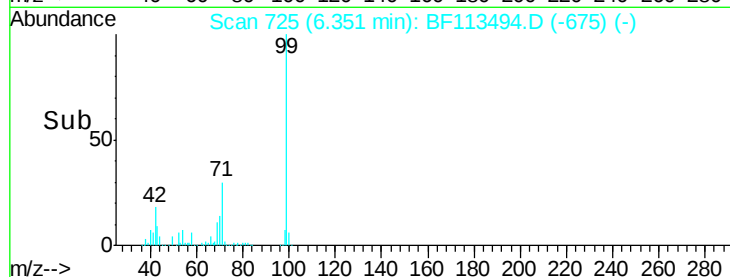
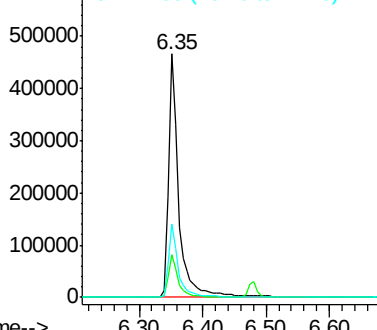
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113494.D

Acq: 2 Apr 2019 6:37

Tgt Ion: 136 Resp: 499839

Ion Ratio Lower Upper

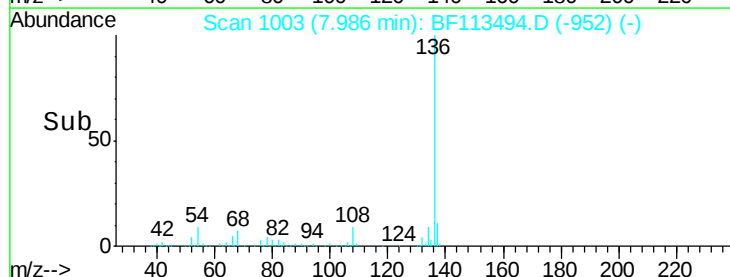
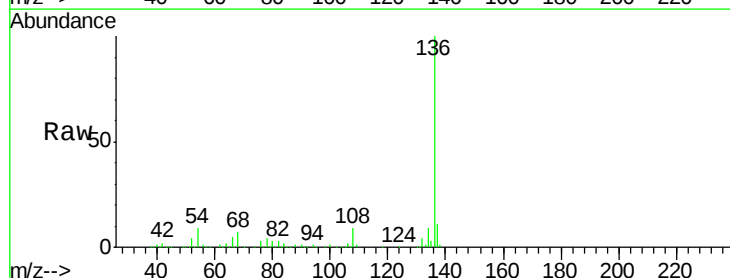
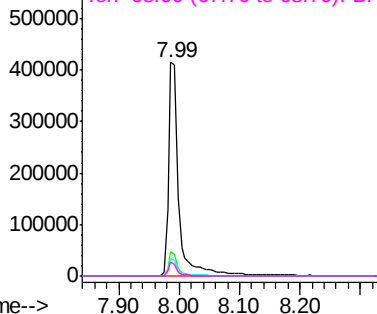
136 100

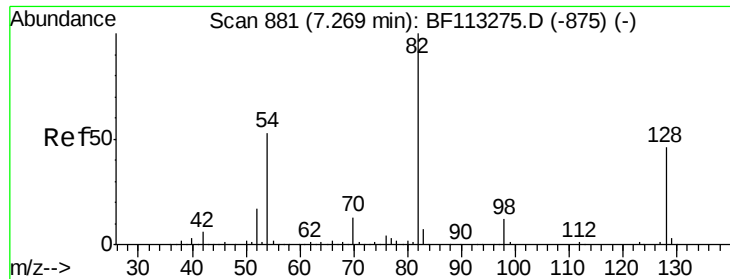
137 11.3 8.9 13.3

54 8.7 7.0 10.6

68 6.7 4.8 7.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





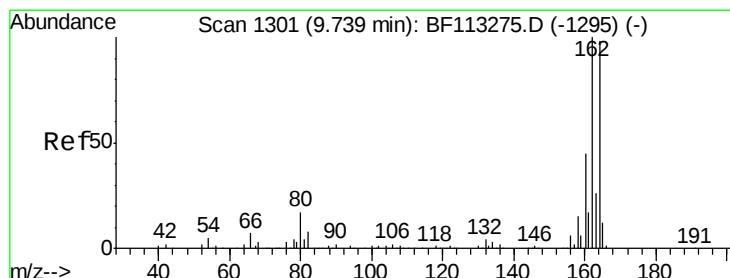
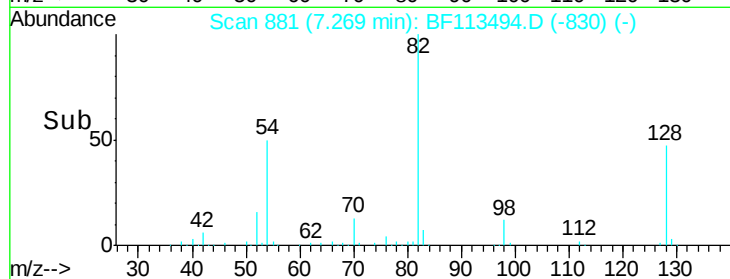
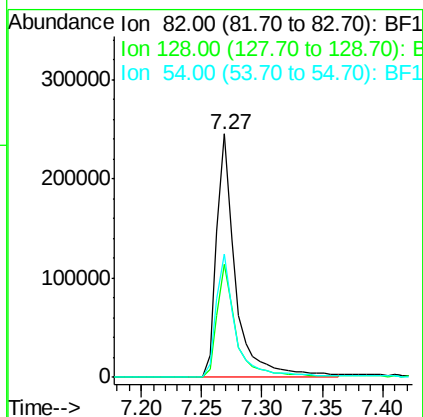
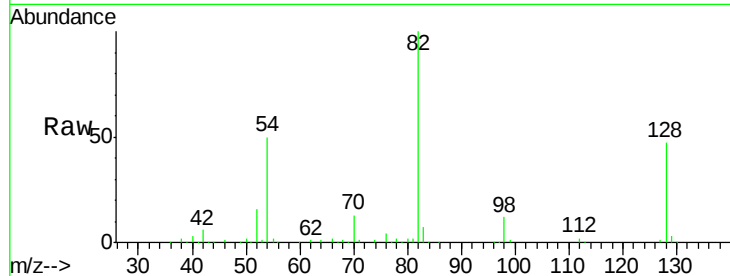
#23
Nitrobenzene-d5
Concen: 31.703 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113494.D
Acq: 2 Apr 2019 6:37

Instrument :
BNA_F
ClientSampleId :
CS-9DL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	266983		
128	46.7	36.5	54.7	
54	50.5	42.2	63.2	

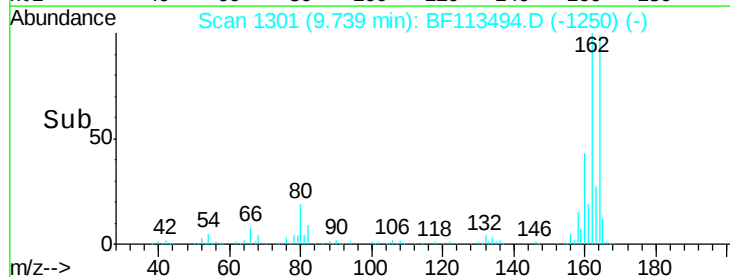
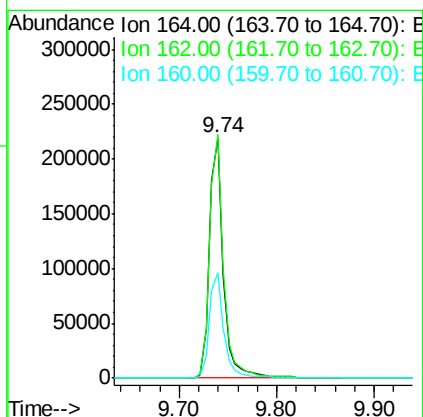
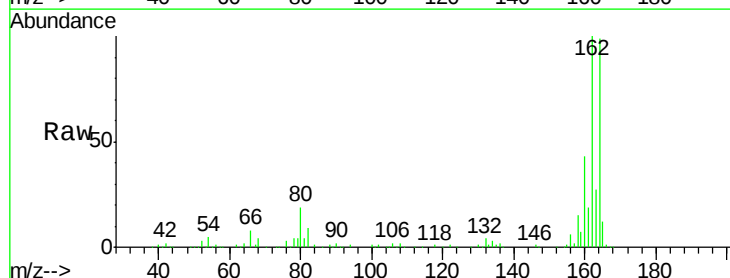
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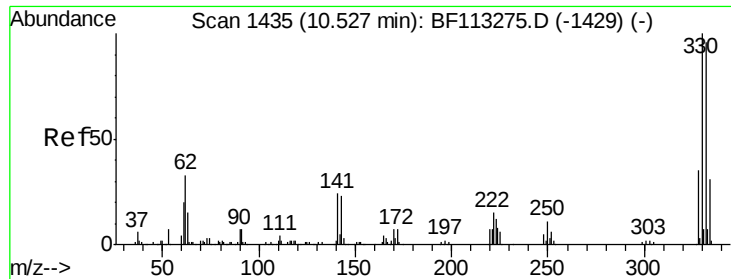
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BF113494.D
Acq: 2 Apr 2019 6:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	219409		
162	101.4	81.8	122.6	
160	43.9	36.4	54.6	





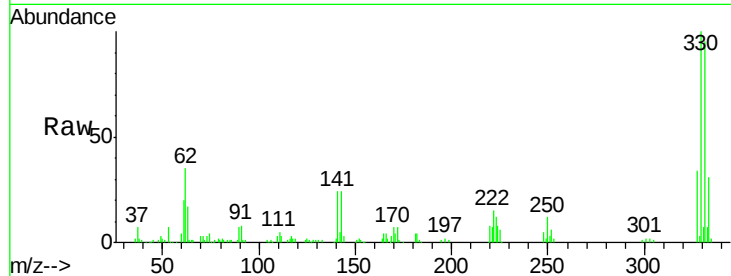
#42
 2,4,6-Tribromophenol
 Concen: 42.960 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Instrument :
 BNA_F
 ClientSampled :
 CS-9DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	116429		
332	95.8	77.8	116.6	
141	28.1	22.7	34.1	

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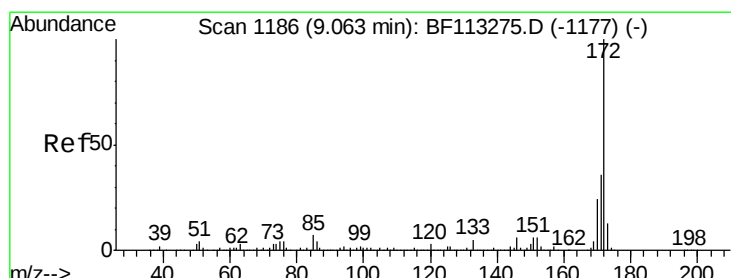
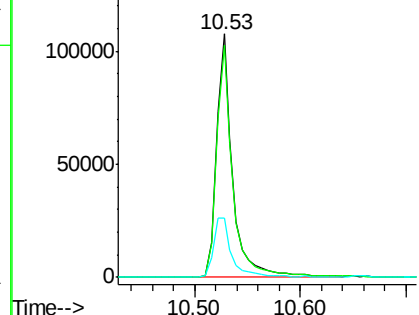
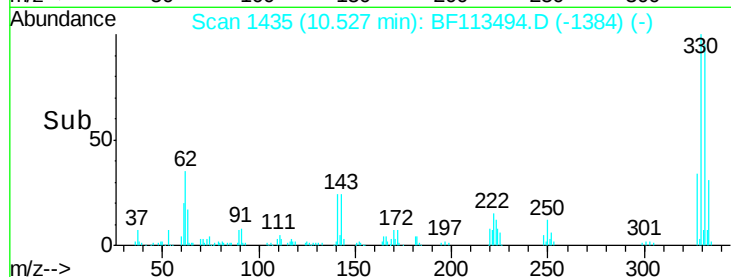


Abundance

Ion 329.80 (329.50 to 330.50): E

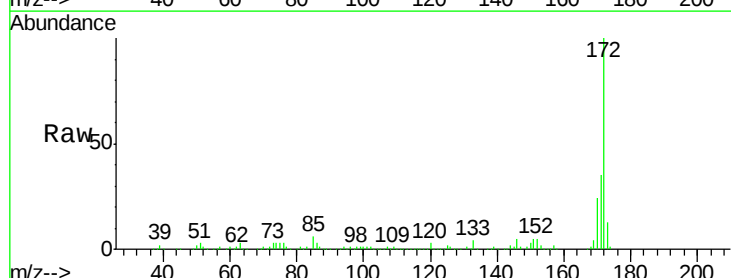
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 30.191 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	581831		
171	35.2	29.0	43.6	
170	24.2	19.5	29.3	

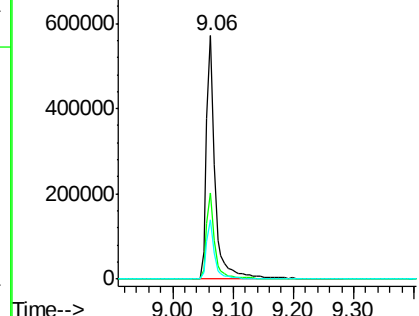
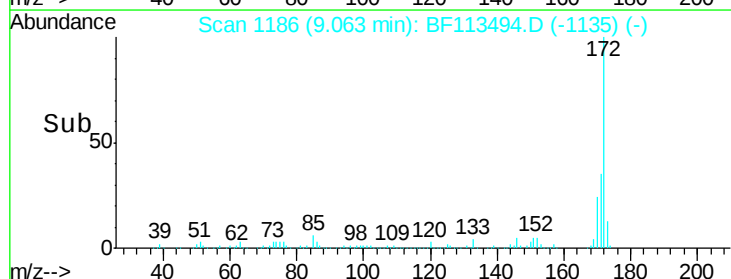


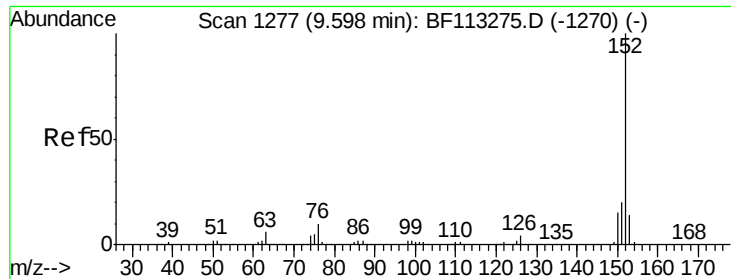
Abundance

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





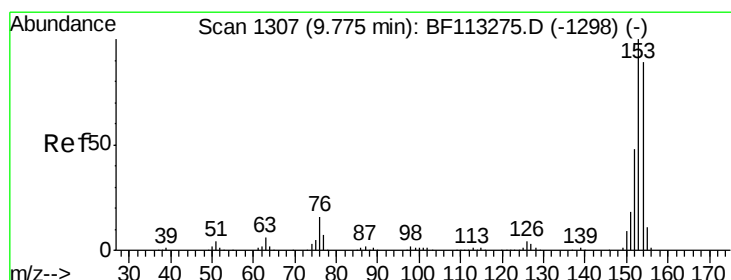
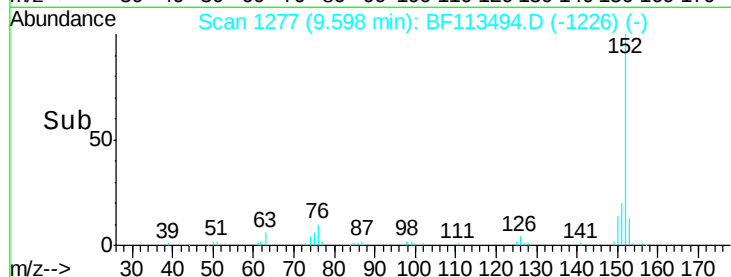
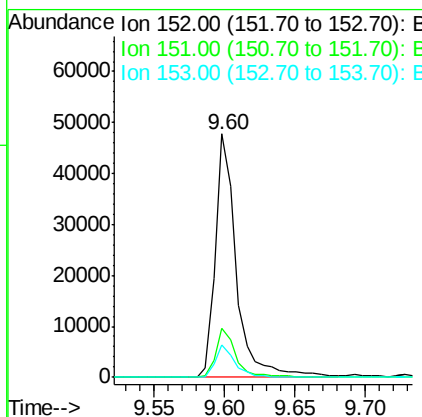
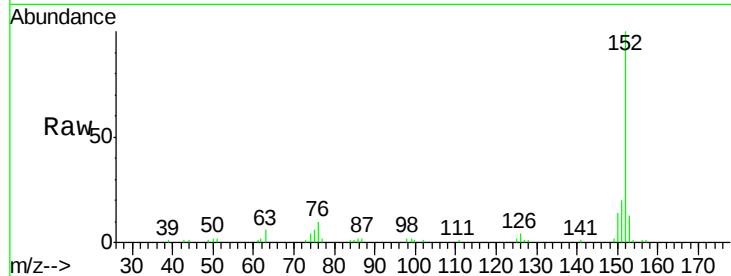
#49
Acenaphthylene
Concen: 2.179 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.00 min
Lab File: BF113494.D
Acq: 2 Apr 2019 6:37

Instrument :
BNA_F
ClientSampleId :
CS-9DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.4
153	13.4	11.0	16.6

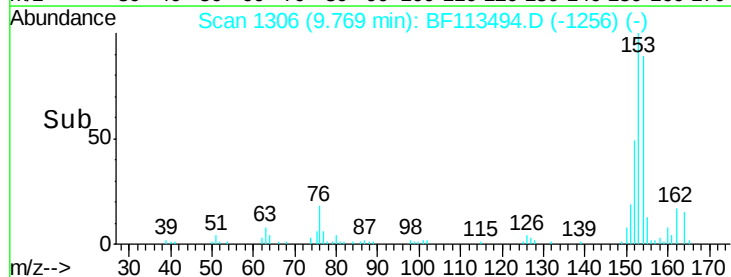
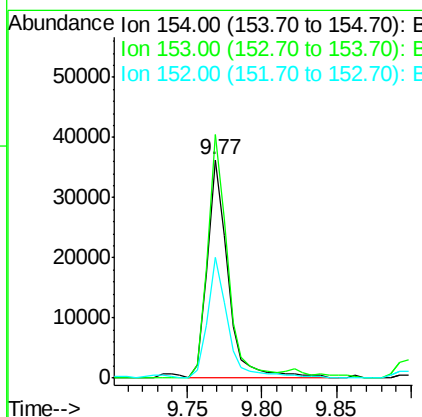
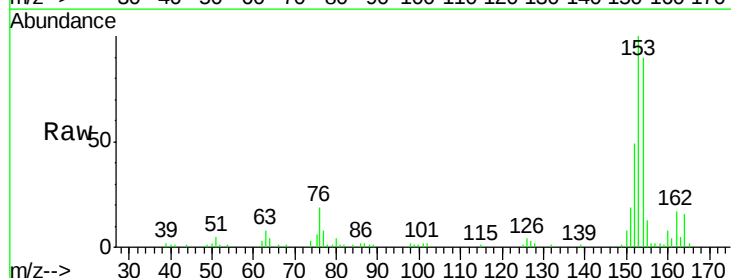
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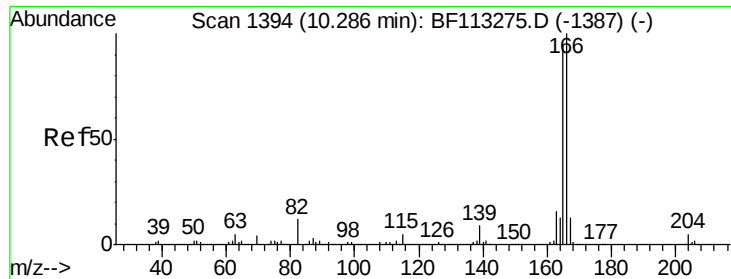
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#52
Acenaphthene
Concen: 2.714 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF113494.D
Acq: 2 Apr 2019 6:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.5	134.3
152	55.1	43.3	64.9





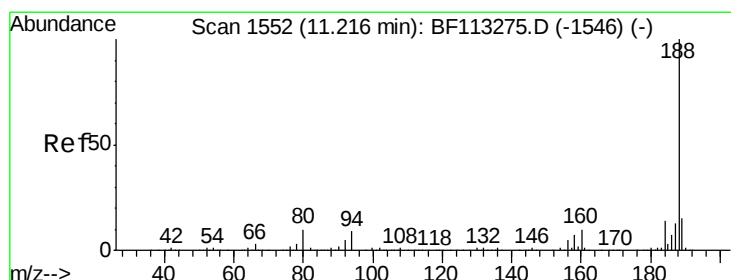
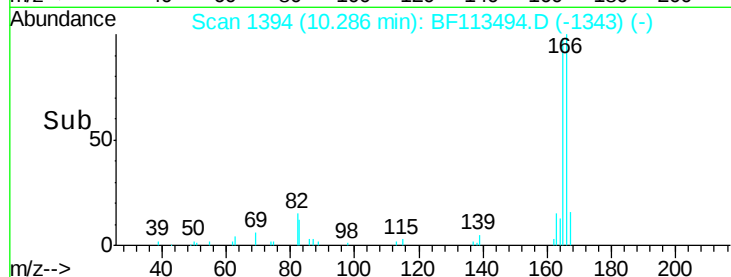
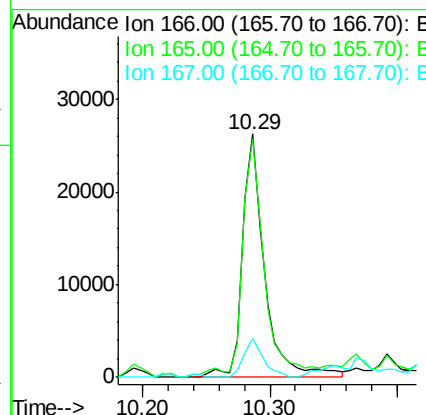
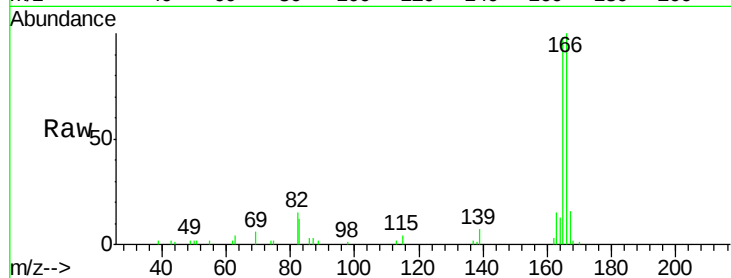
#58
Fluorene
 Concen: 2.098 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Instrument :
 BNA_F
 ClientSampleId :
 CS-9DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	76.2	114.2
167	15.8	10.7	16.1

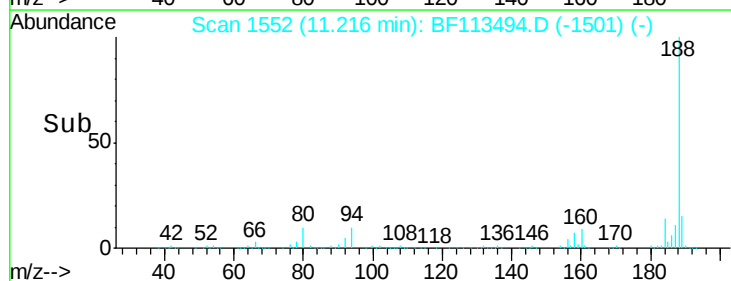
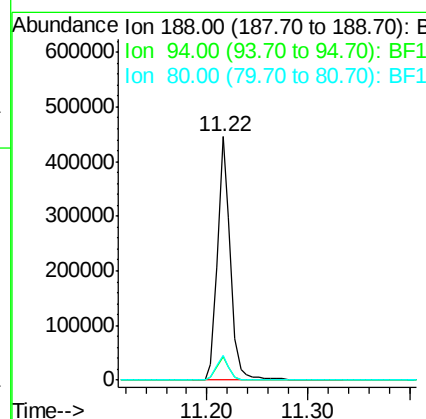
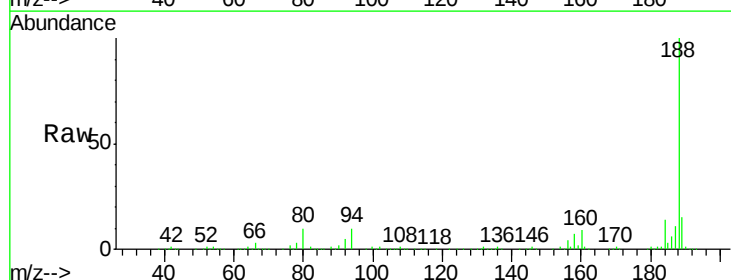
Manual Integrations
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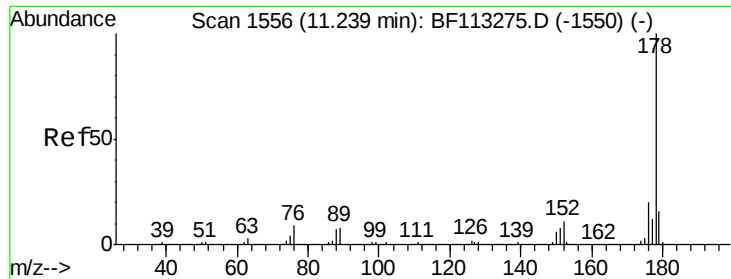
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.0	10.6
80	10.1	7.7	11.5





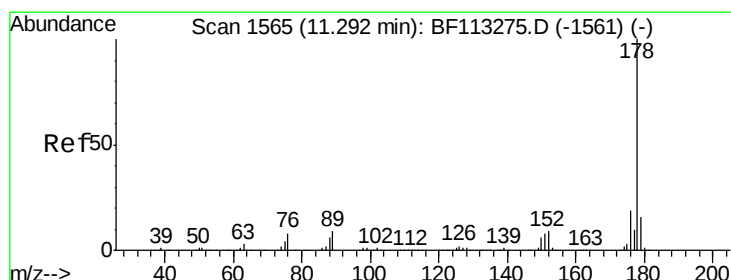
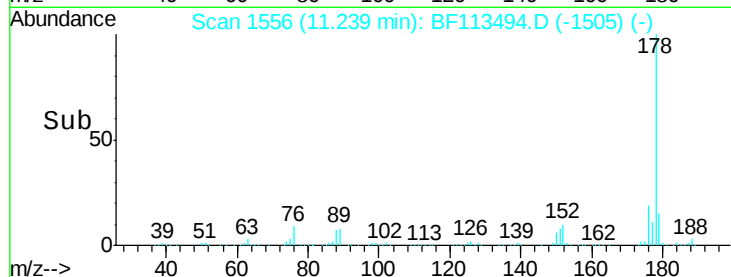
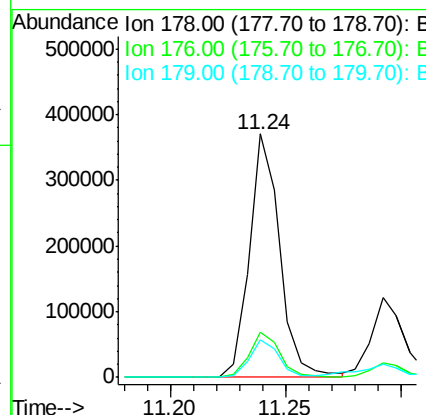
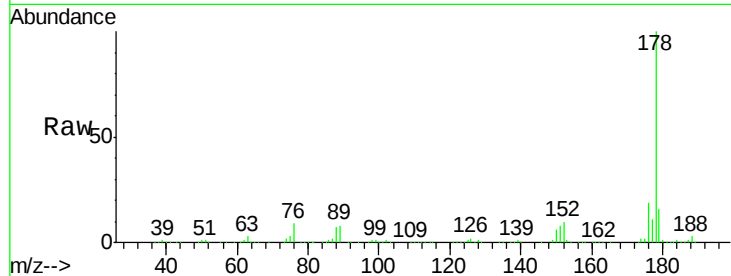
#71
 Phenanthrene
 Concen: 17.368 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Instrument :
 BNA_F
 ClientSampled :
 CS-9DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.2
179	15.5	12.7	19.1

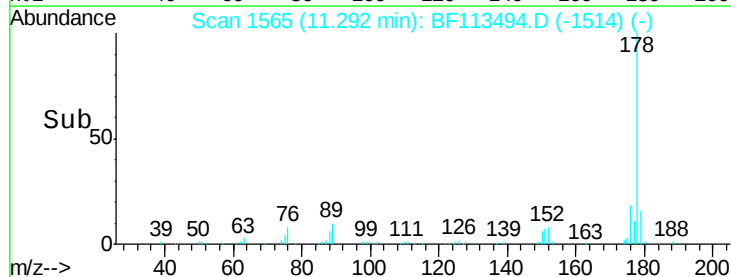
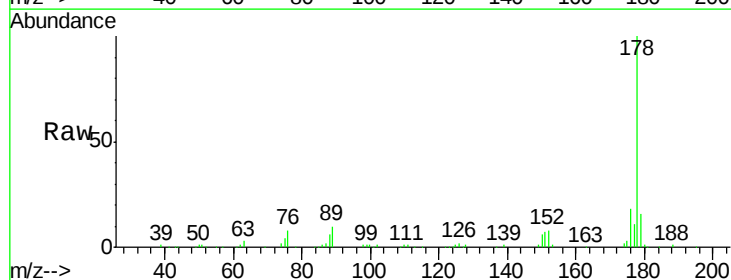
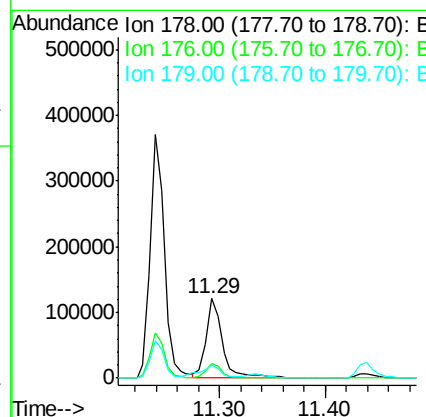
Manual Integrations
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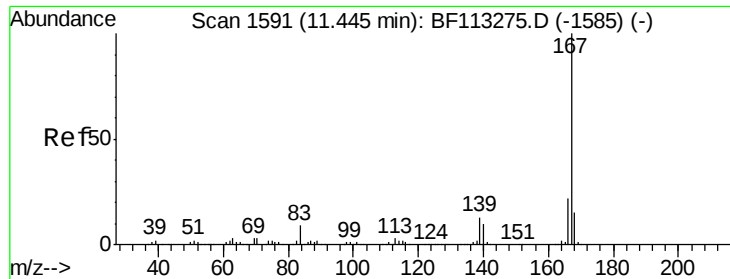
Sohil
 4/2/2019 3:49:57 PM



#72
 Anthracene
 Concen: 6.468 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.5	12.8	19.2





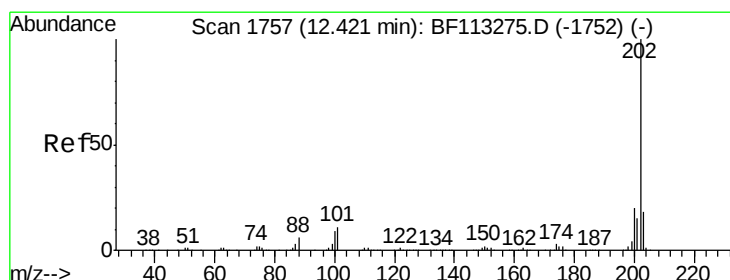
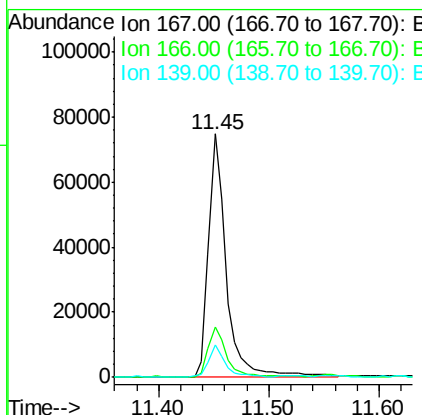
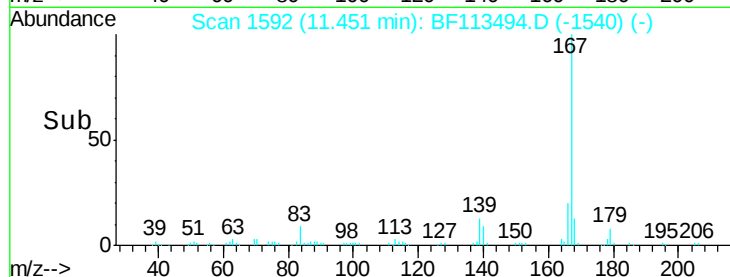
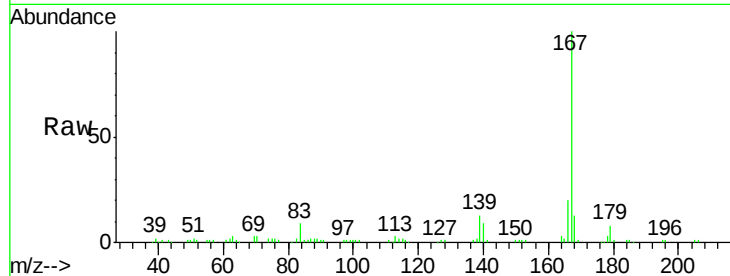
#73
 Carbazole
 Concen: 4.333 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.01 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Instrument :
 BNA_F
 ClientSampleID :
 CS-9DL

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.4	26.0
139	13.1	10.4	15.6

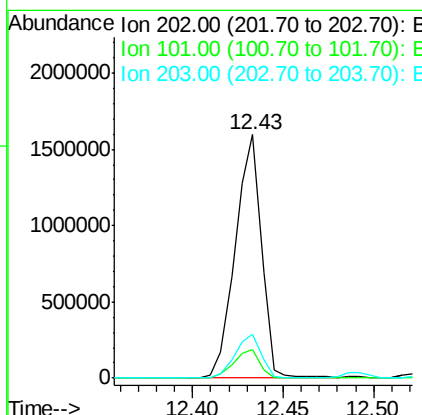
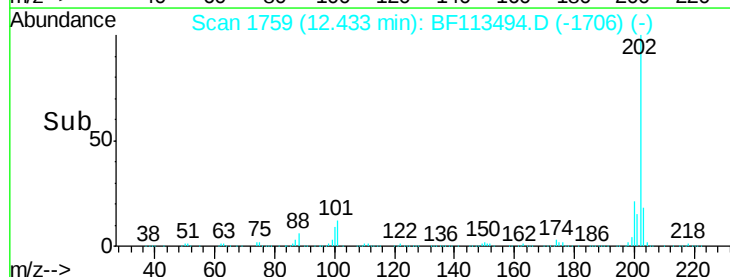
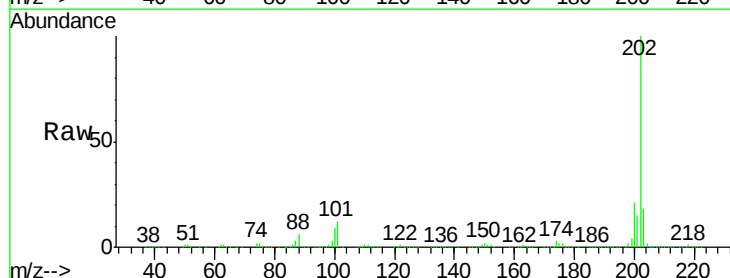
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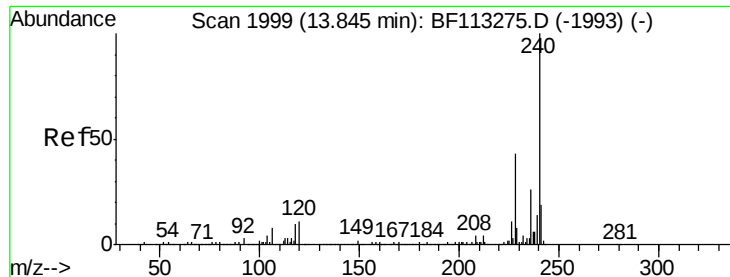
Sohil
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#75
 Fluoranthene
 Concen: 71.909 ng
 RT: 12.43 min Scan# 1759
 Delta R.T. 0.01 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	18.0	0.0	38.0





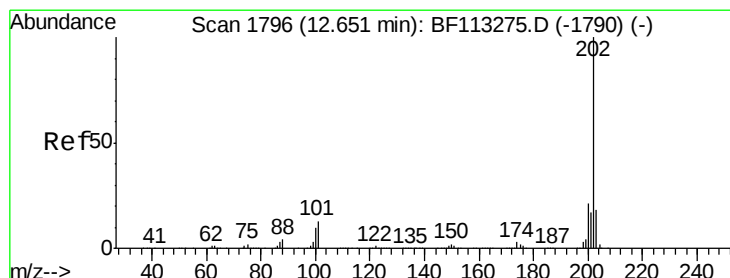
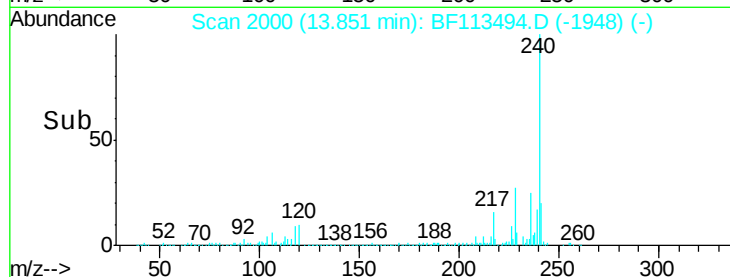
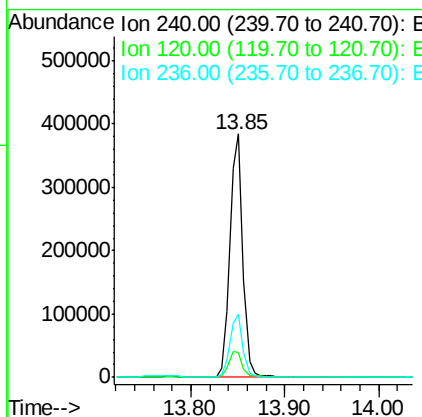
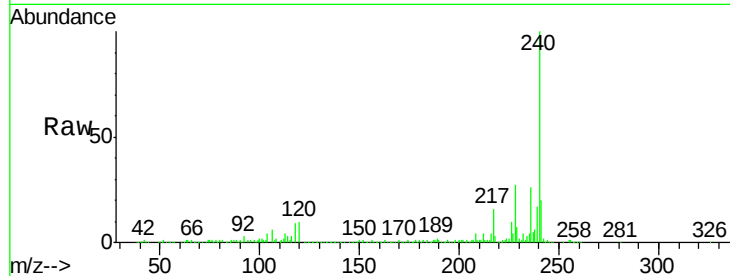
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. 0.01 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Instrument :
 BNA_F
 ClientSampled :
 CS-9DL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	363840		
120	10.2	8.8	13.2	
236	25.7	20.9	31.3	

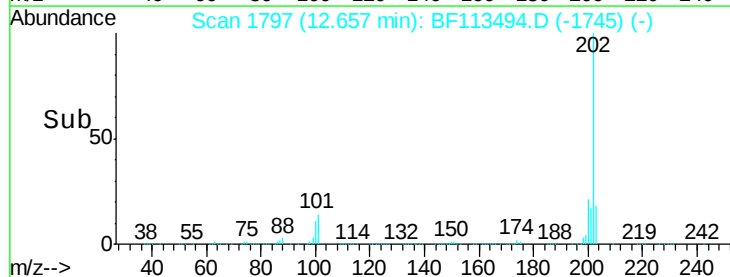
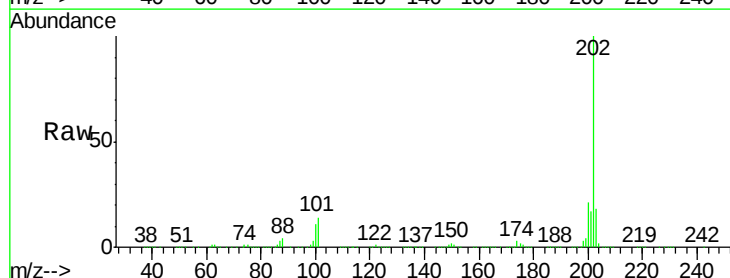
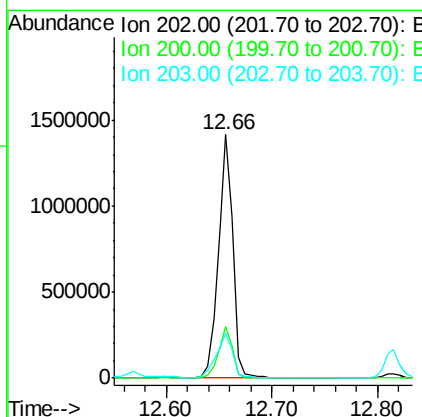
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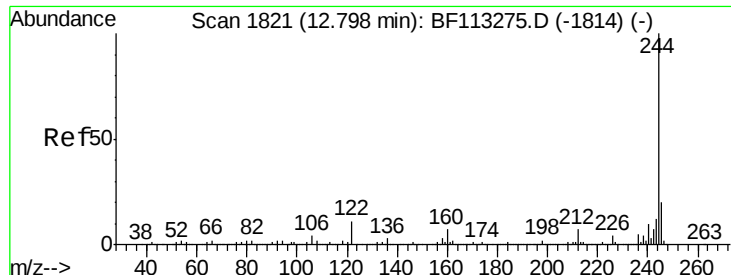
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#78
 Pyrene
 Concen: 54.048 ng
 RT: 12.66 min Scan# 1797
 Delta R.T. 0.01 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1362697		
200	21.2	16.8	25.2	
203	18.3	14.4	21.6	





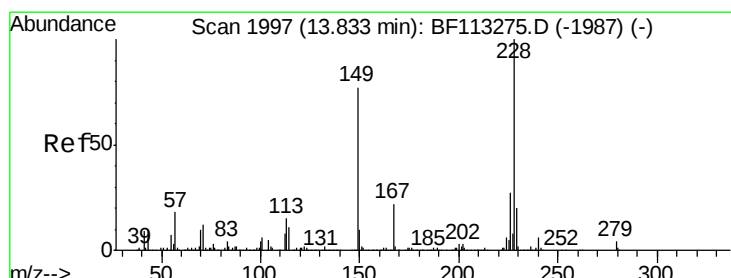
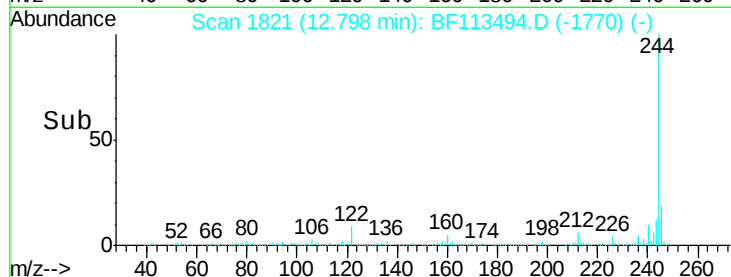
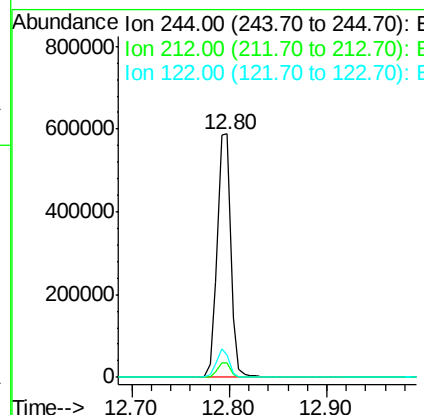
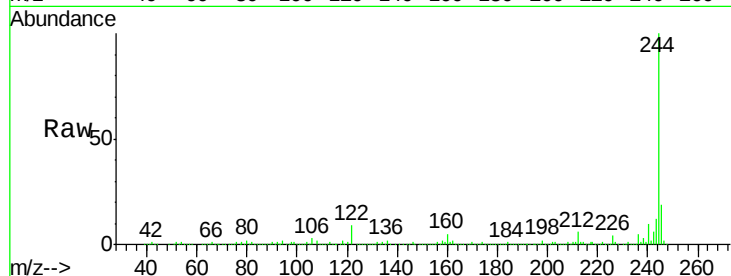
#79
 Terphenyl-d14
 Concen: 34.781 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Instrument :
 BNA_F
 ClientSampled :
 CS-9DL

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	574120		
212	5.9	5.5	8.3	
122	9.0	8.6	13.0	

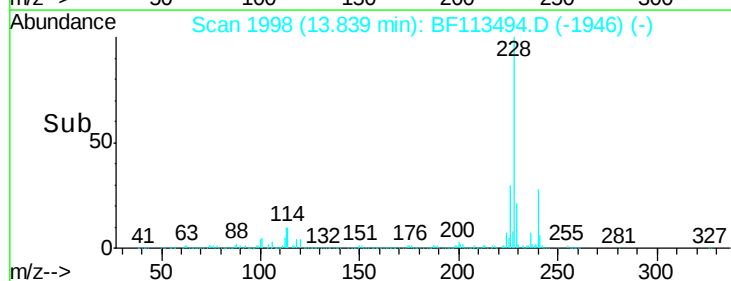
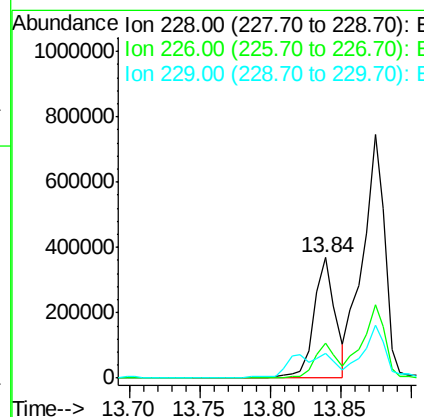
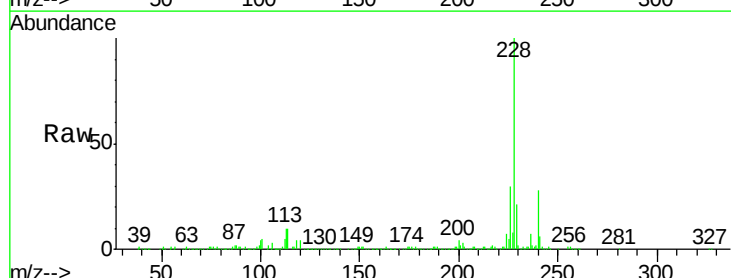
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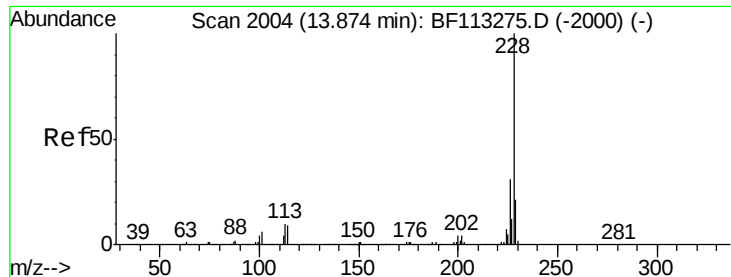
Sohil
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#81
 Benzo(a)anthracene
 Concen: 18.556 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. 0.01 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	386469		
226	29.7	21.8	32.8	
229	21.1	16.2	24.4	





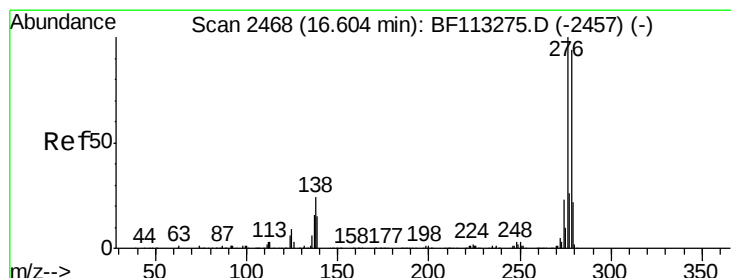
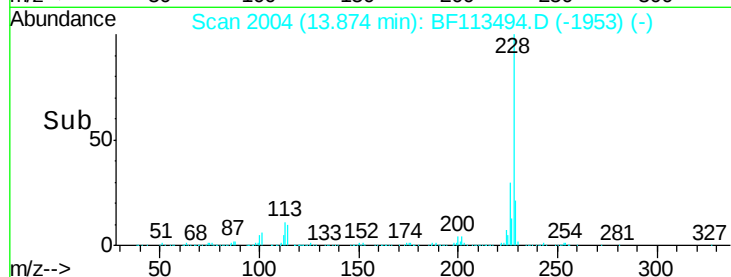
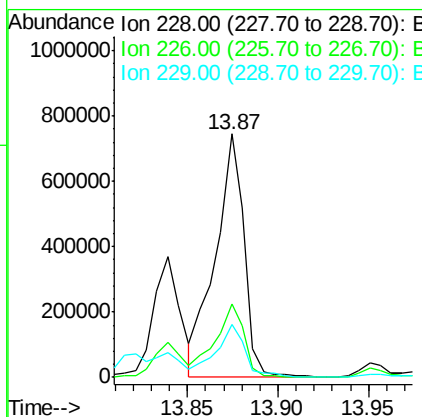
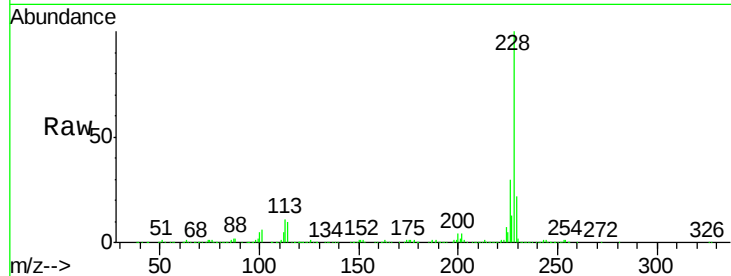
#83
Chrysene
Concen: 38.758 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF113494.D
Acq: 2 Apr 2019 6:37

Instrument :
BNA_F
ClientSampled :
CS-9DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	21.5	16.3	24.5

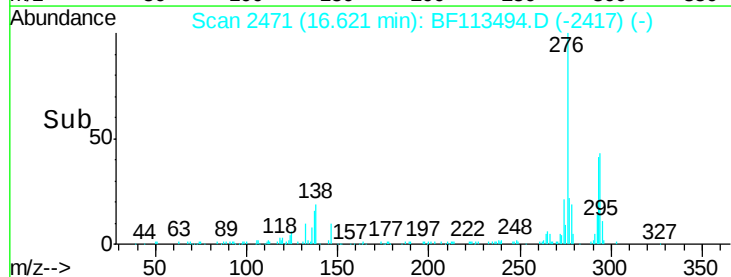
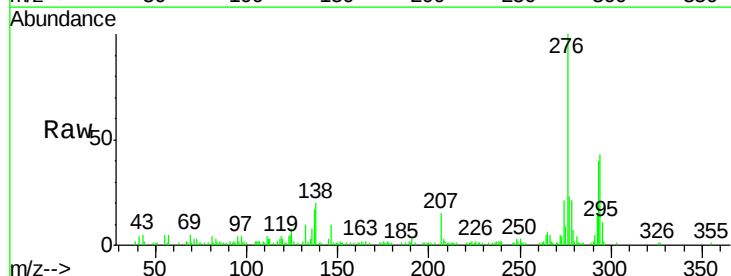
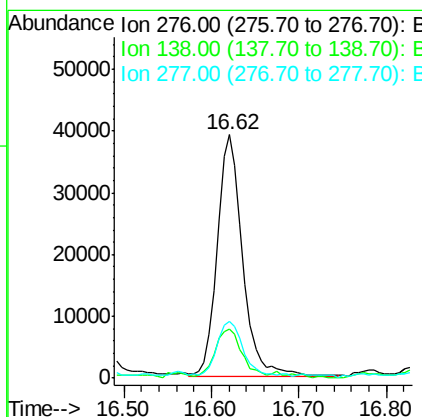
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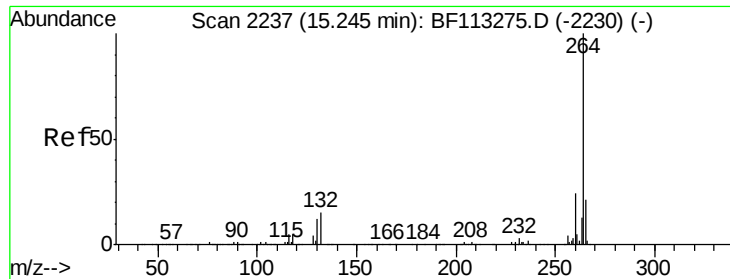
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.329 ng
RT: 16.62 min Scan# 2471
Delta R.T. 0.02 min
Lab File: BF113494.D
Acq: 2 Apr 2019 6:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.8	18.1	27.1
277	22.9	20.2	30.4





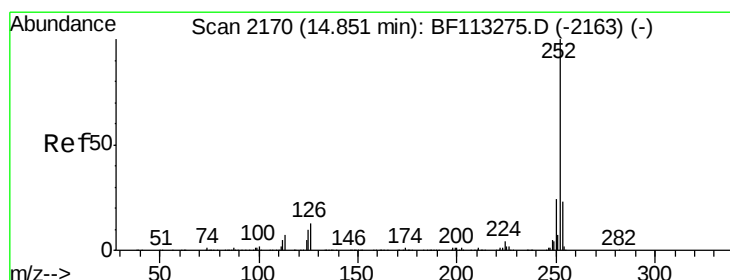
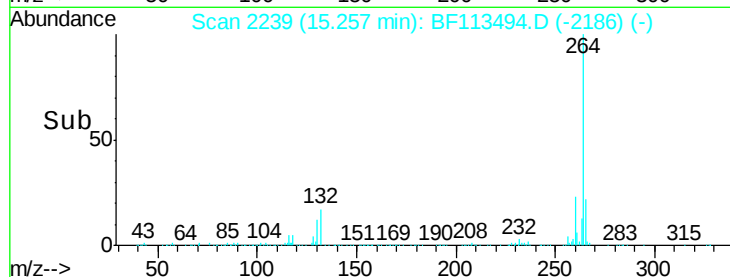
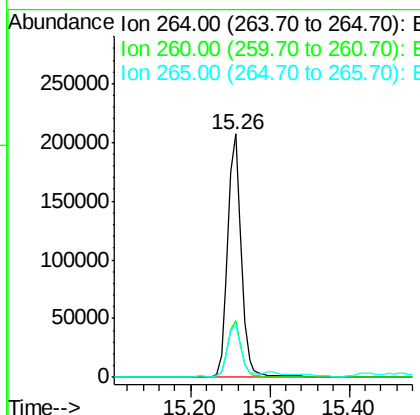
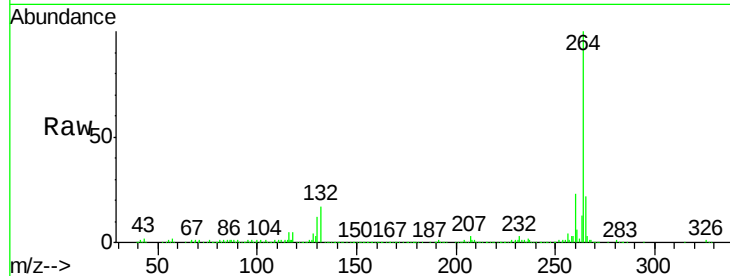
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF113494.D
Acq: 2 Apr 2019 6:37

Instrument :
BNA_F
ClientSampled :
CS-9DL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	249175		
260	23.3	19.1	28.7	
265	21.8	17.1	25.7	

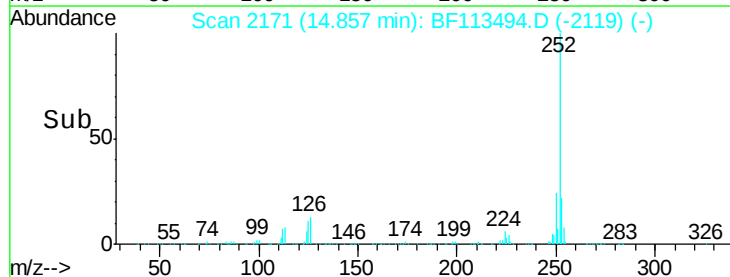
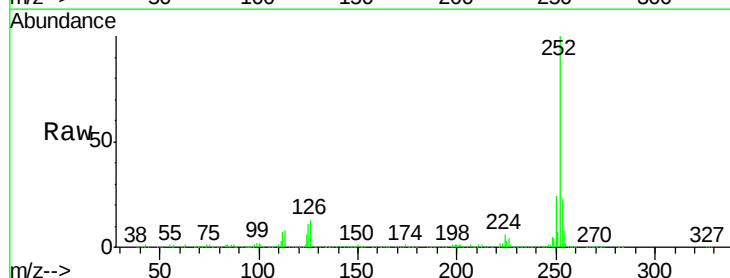
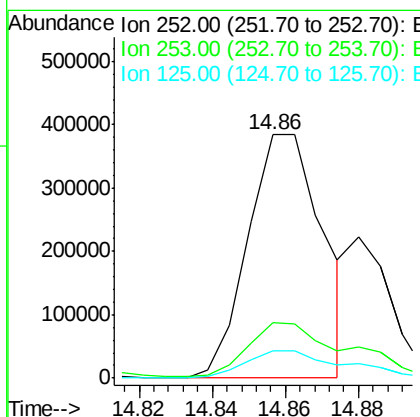
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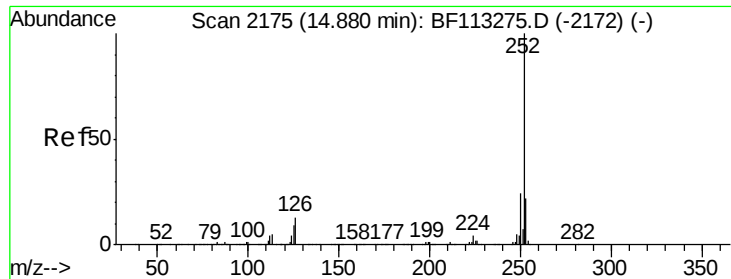
Sohil
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#88
Benzo(b)fluoranthene
Concen: 35.519 ng m
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113494.D
Acq: 2 Apr 2019 6:37

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	549785		
253	22.6	18.0	27.0	
125	11.4	7.6	11.4	





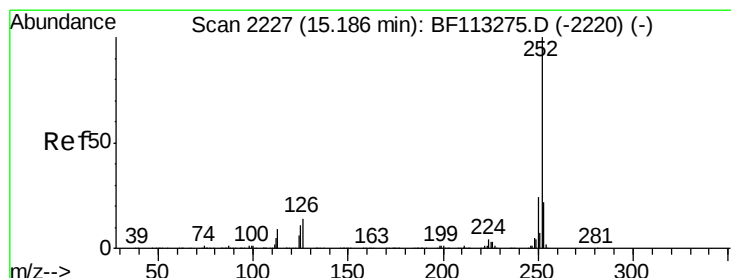
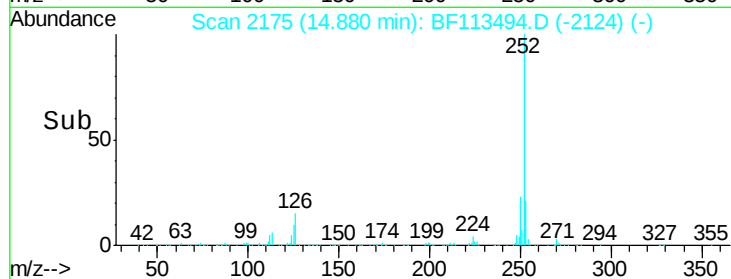
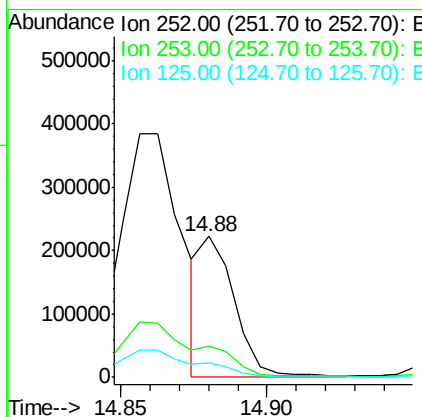
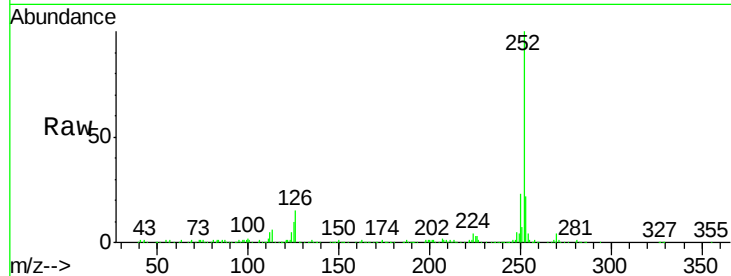
#89
Benzo(k)fluoranthene
Concen: 13.109 ng m
RT: 14.88 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BF113494.D
Acq: 2 Apr 2019 6:37

Instrument :
BNA_F
ClientSampled :
CS-9DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.4	7.3	10.9

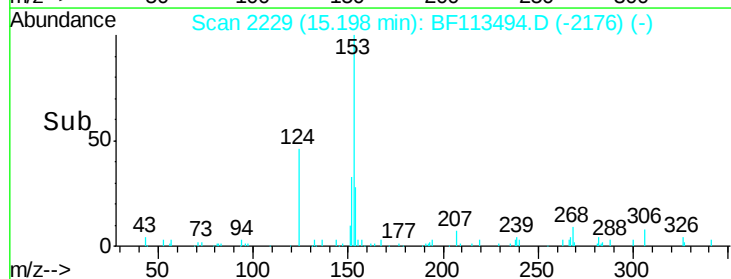
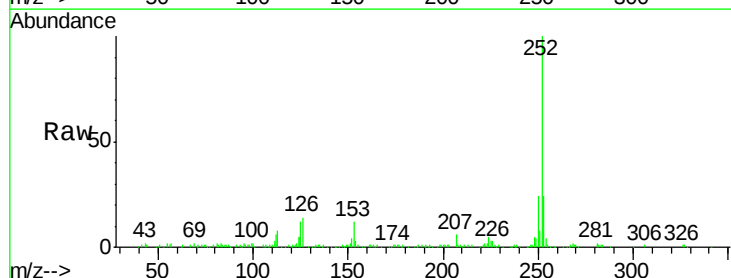
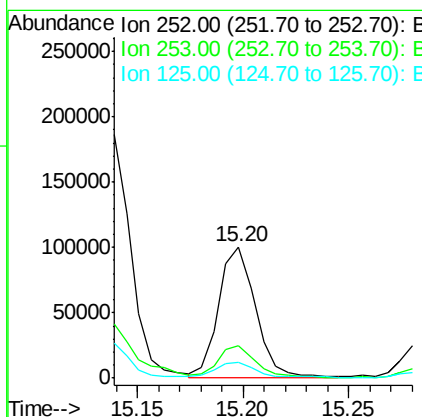
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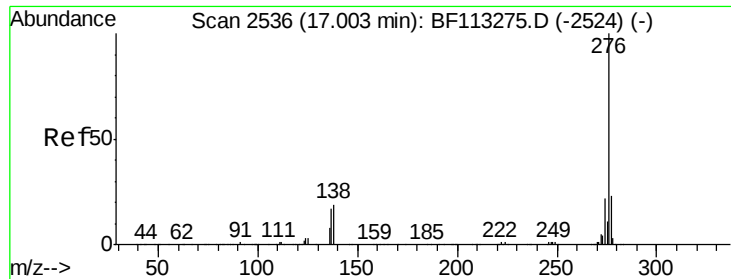
Sohil
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#90
Benzo(a)pyrene
Concen: 8.765 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.01 min
Lab File: BF113494.D
Acq: 2 Apr 2019 6:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	11.6	8.8	13.2





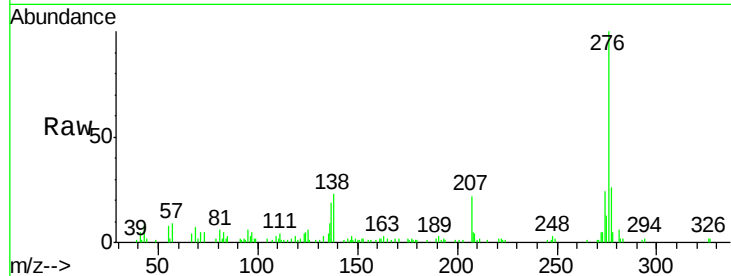
#92
 Benzo(g,h,i)perylene
 Concen: 5.188 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. 0.03 min
 Lab File: BF113494.D
 Acq: 2 Apr 2019 6:37

Instrument :
 BNA_F
 ClientSampleId :
 CS-9DL

Tgt Ion:	276	Resp:	62067
Ion Ratio	Lower	Upper	
276	100		
277	26.4	18.8	28.2
138	22.9	15.6	23.4

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

