

Data File : BF116731.D
Acq On : 1 Sep 2019 7:42
Operator : HP/JU
Sample : K4090-20
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-082919

Quant Time: Sep 02 05:46:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	121343	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	477959	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	246844	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	420135	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	273804	20.00	ng	-0.01
87) Perylene-d12	15.44	264	292329	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	892529	119.16	ng	0.00
7) Phenol-d6	6.47	99	1095568	111.39	ng	0.00
23) Nitrobenzene-d5	7.40	82	842699	100.65	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	266560	161.53	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1412730	96.54	ng	0.00
79) Terphenyl-d14	12.94	244	1418053	95.81	ng	0.00

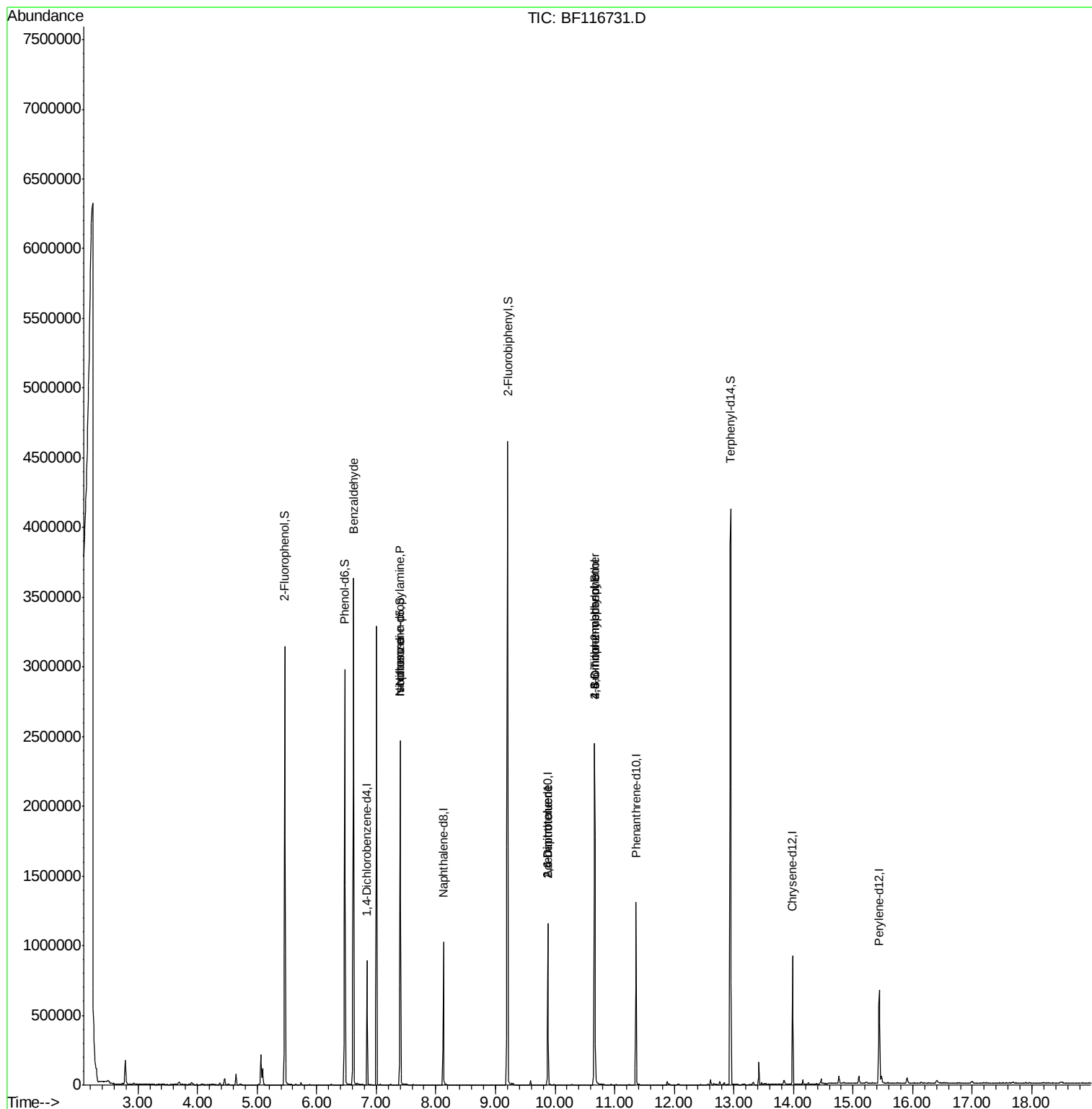
Target Compounds				Qvalue		
9) Benzaldehyde	6.62	77	23973	3.700	ng	82
19) n-Nitroso-di-n-propylamine	7.40	70	110740	17.100	ng	# 72
25) Isophorone	7.40	82	842688	49.671	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	31596	9.717	ng	# 21
57) 2,4-Dinitrotoluene	9.87	165	31596	7.947	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	663	7.813	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	17645	4.134	ng	# 1

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

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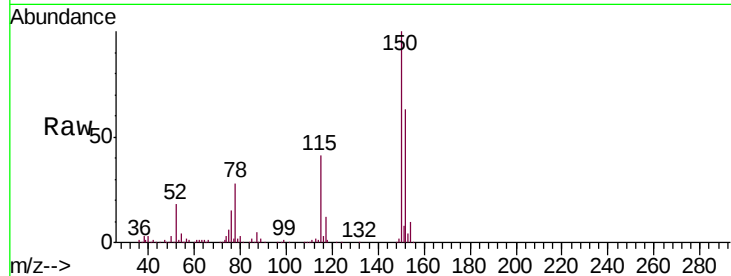


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116731.D
Acq: 1 Sep 2019 7:42

Instrument :
BNA_F
ClientSampleId :
OR-02-082919

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.4	186.6
115	64.9	49.9	74.9

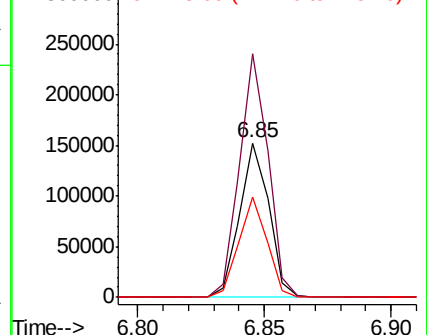
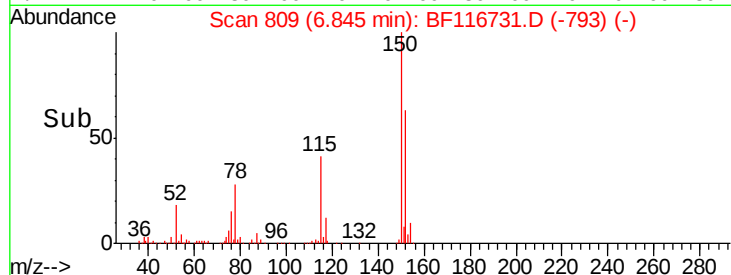


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

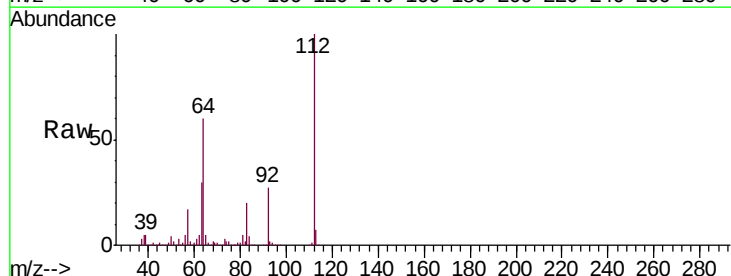
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.162 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116731.D
Acq: 1 Sep 2019 7:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.1	70.7
63	30.3	24.9	37.3

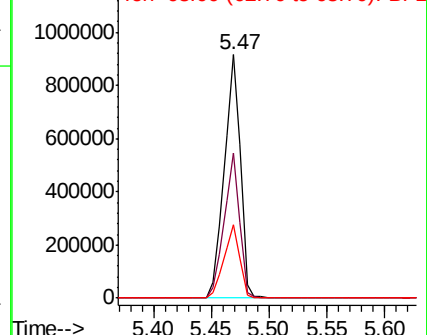
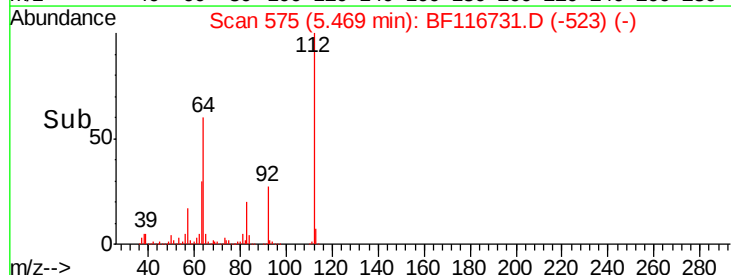


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 111.392 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116731.D

Acq: 1 Sep 2019 7:42

Instrument :

BNA_F

ClientSampleId :

OR-02-082919

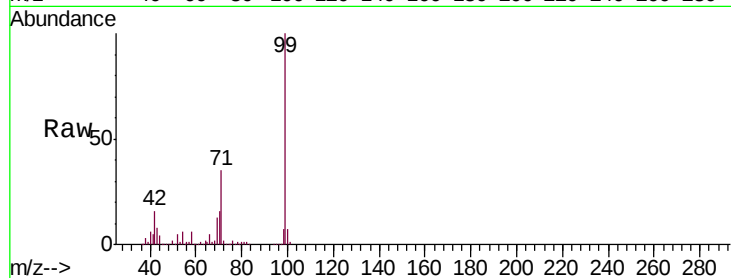
Tgt Ion: 99 Resp: 1095568

Ion Ratio Lower Upper

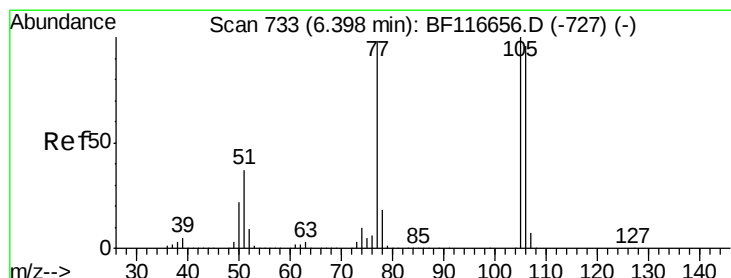
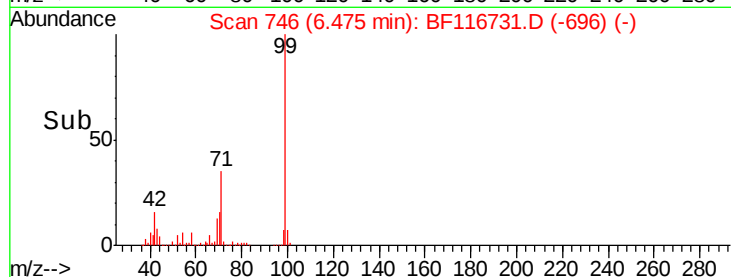
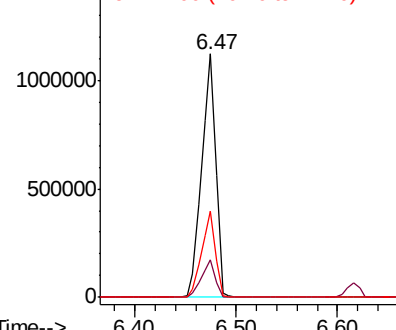
99 100

42 15.6 13.7 20.5

71 35.4 30.8 46.2



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



#9

Benzaldehyde

Concen: 3.700 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.22 min

Lab File: BF116731.D

Acq: 1 Sep 2019 7:42

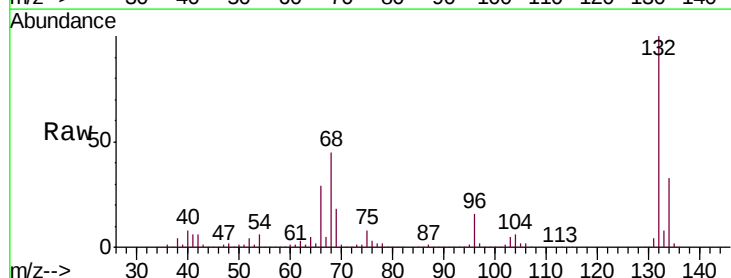
Tgt Ion: 77 Resp: 23973

Ion Ratio Lower Upper

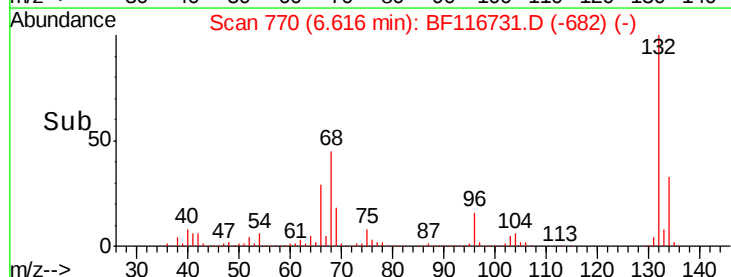
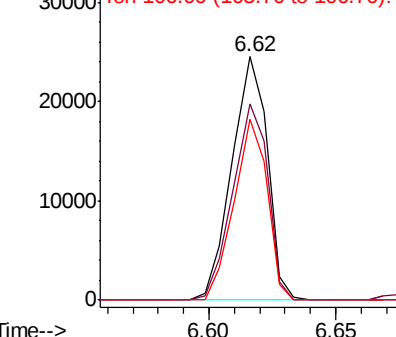
77 100

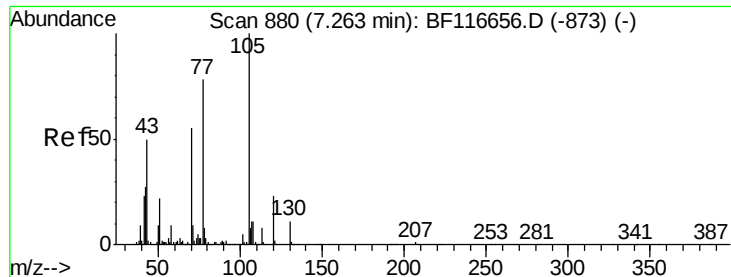
105 80.5 76.7 116.7

106 74.3 73.1 113.1



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

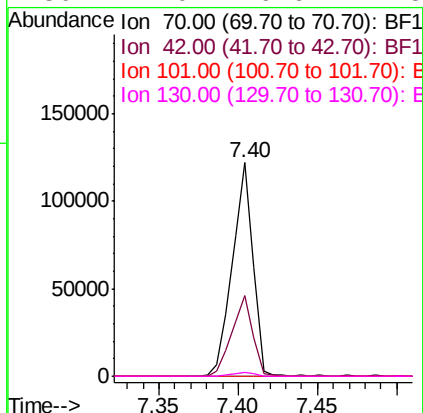
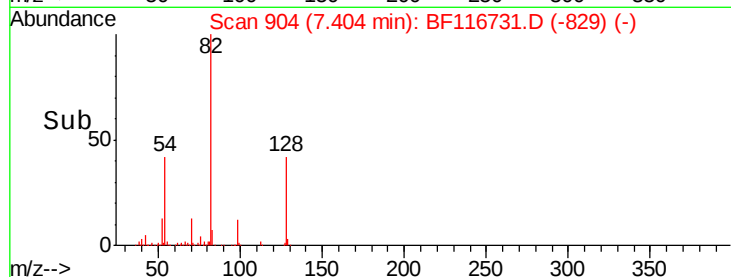
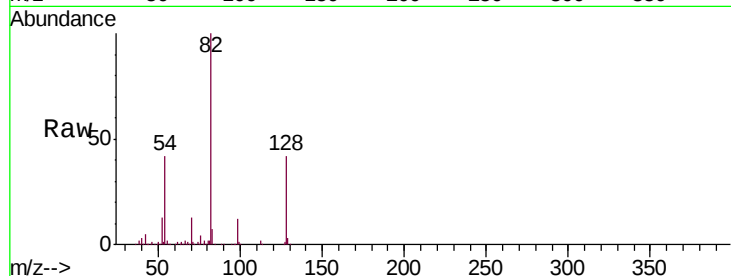




#19
n-Nitroso-di-n-propylamine
Concen: 17.100 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116731.D
Acq: 1 Sep 2019 7:42

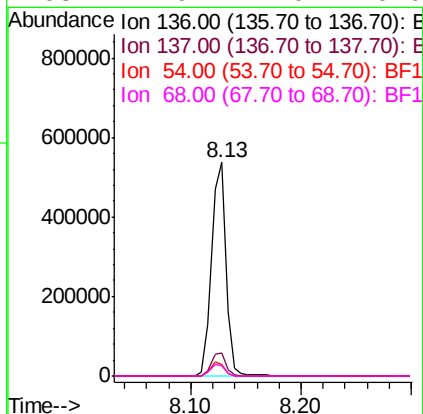
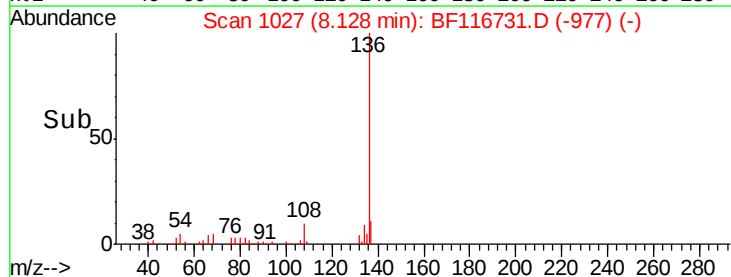
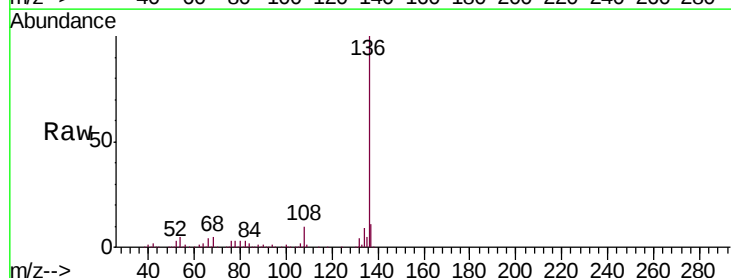
Instrument :
BNA_F
ClientSampleId :
OR-02-082919

Tgt Ion	Ratio	Lower	Upper
70	100		
42	37.5	43.5	65.3#
101	0.0	7.8	11.6#
130	2.0	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116731.D
Acq: 1 Sep 2019 7:42

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	5.2	4.8	7.2
68	4.9	4.0	6.0

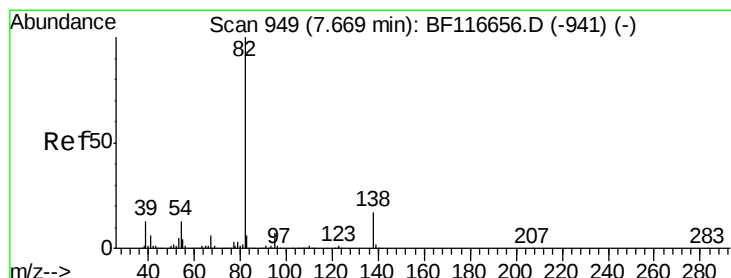
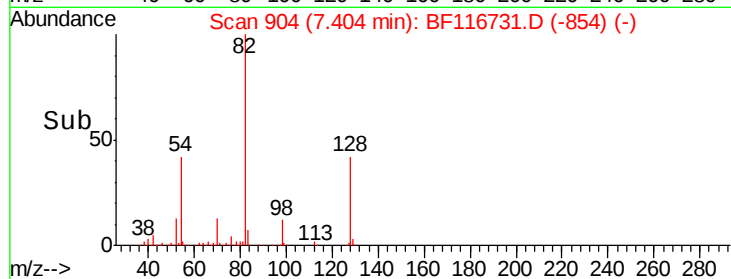
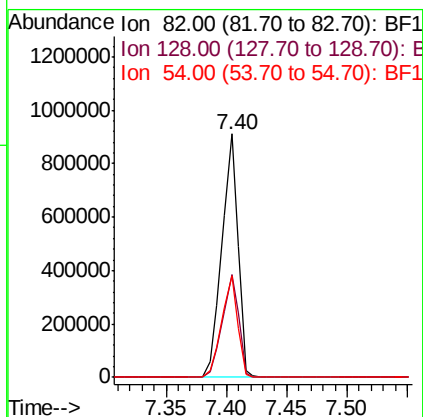
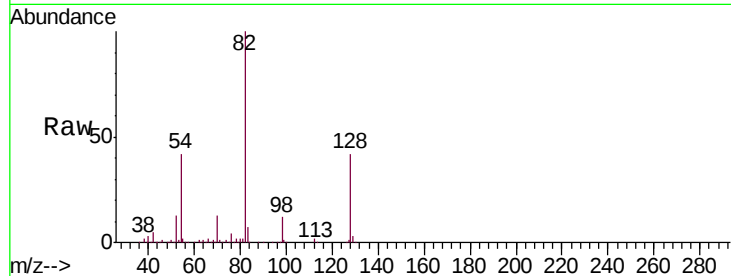




#23
 Nitrobenzene-d5
 Concen: 100.652 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116731.D
 Acq: 1 Sep 2019 7:42

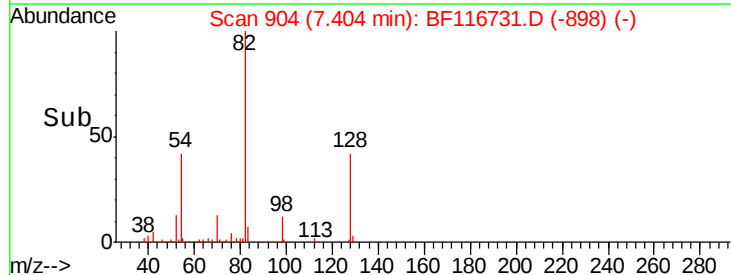
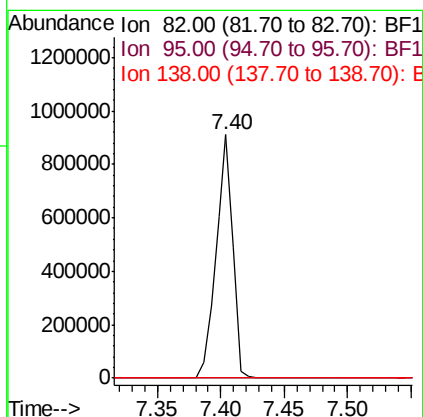
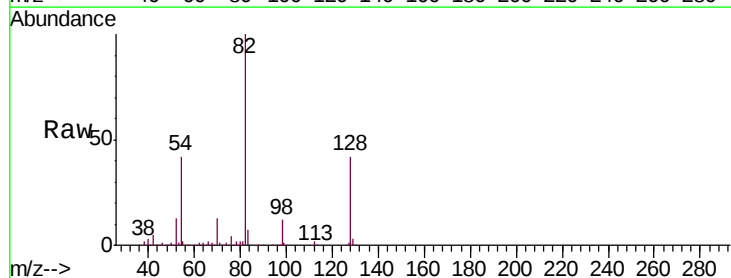
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-082919

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.4	32.8	49.2
54	41.8	36.9	55.3



#25
 Isophorone
 Concen: 49.671 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.26 min
 Lab File: BF116731.D
 Acq: 1 Sep 2019 7:42

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

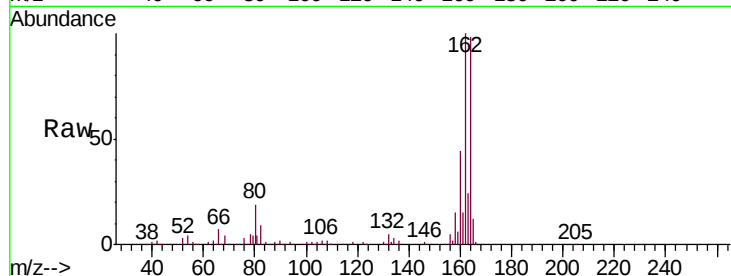




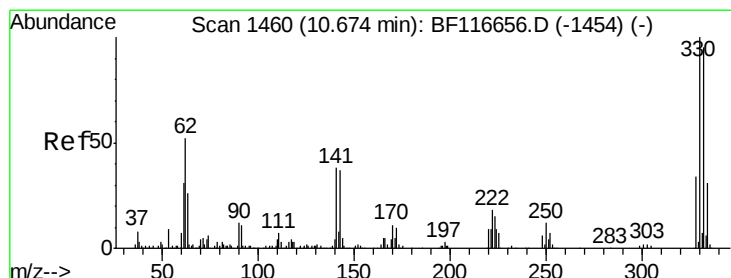
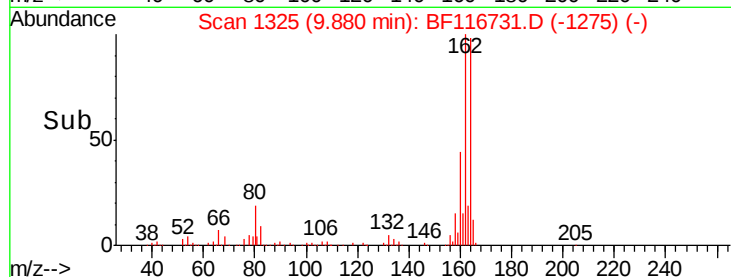
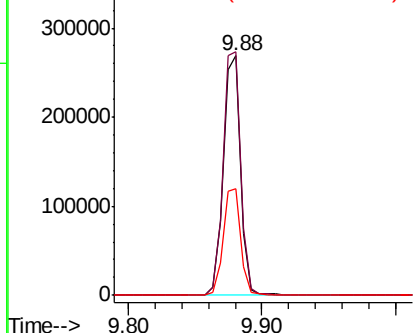
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116731.D
Acq: 1 Sep 2019 7:42

Instrument :
BNA_F
ClientSampleId :
OR-02-082919

Tgt Ion:164 Resp: 246844
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 44.3 35.4 53.2

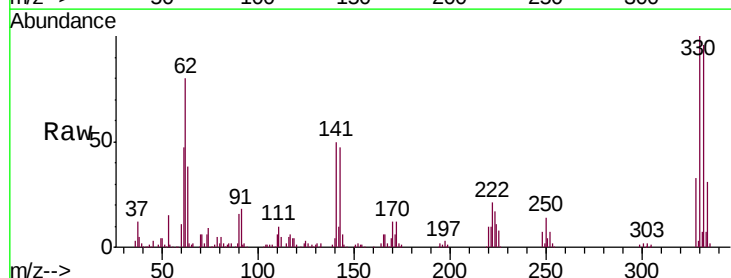


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

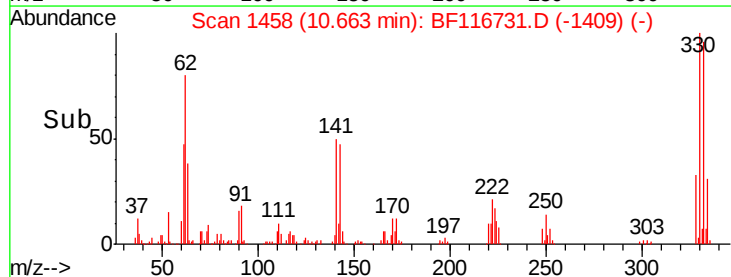
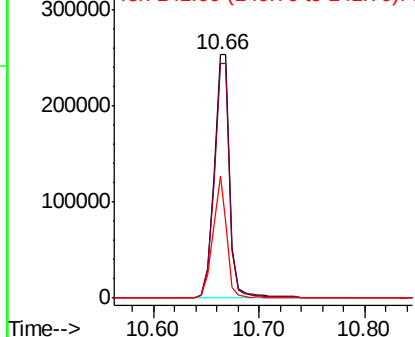


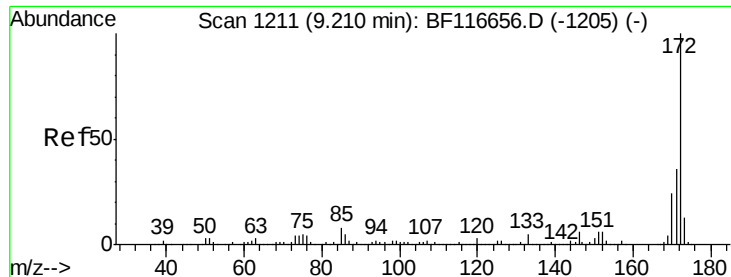
#42
2,4,6-Tribromophenol
Concen: 161.531 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116731.D
Acq: 1 Sep 2019 7:42

Tgt Ion:330 Resp: 266560
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 44.5 31.4 47.2



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

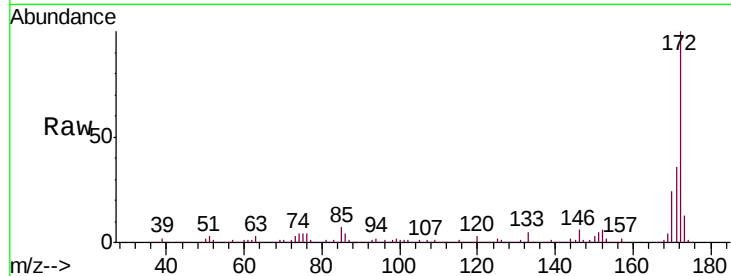




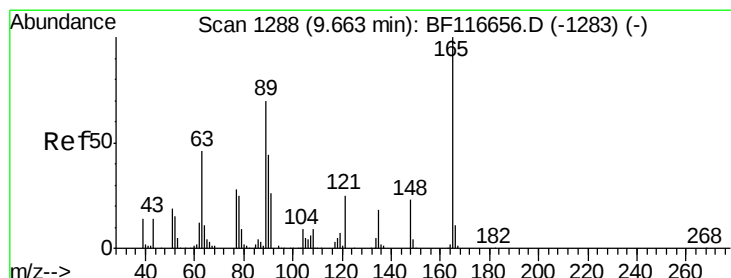
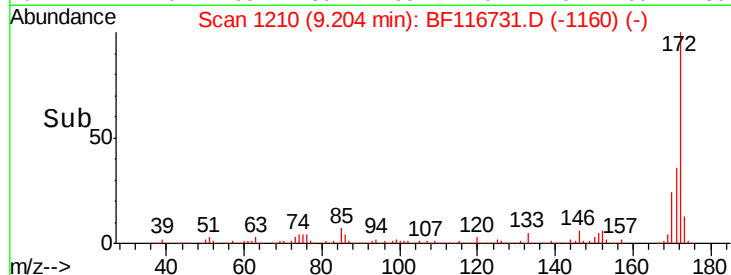
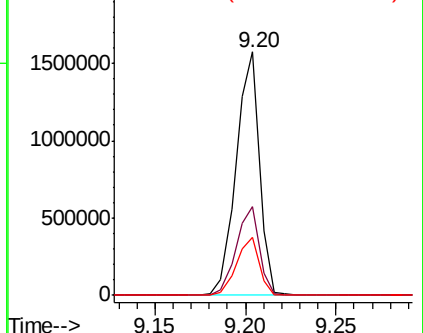
#45
 2-Fluorobiphenyl
 Concen: 96.544 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116731.D
 Acq: 1 Sep 2019 7:42

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-082919

Tgt Ion:172 Resp: 1412730
 Ion Ratio Lower Upper
 172 100
 171 36.2 27.8 41.6
 170 24.1 18.9 28.3

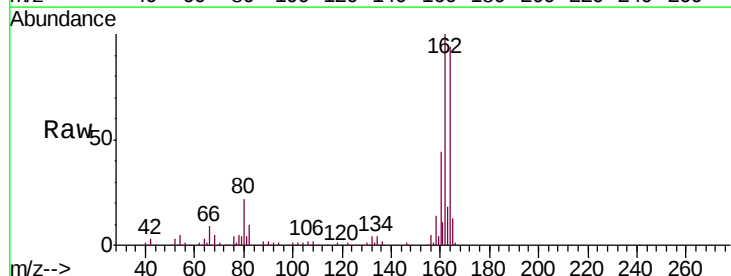


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

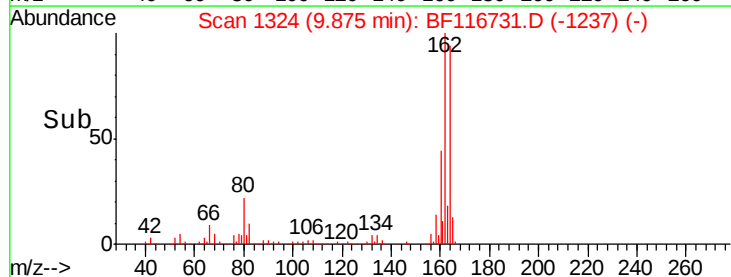
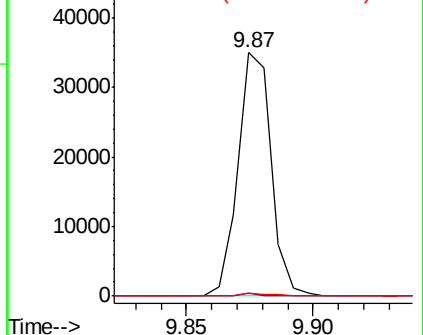


#51
 2,6-Dinitrotoluene
 Concen: 9.717 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF116731.D
 Acq: 1 Sep 2019 7:42

Tgt Ion:165 Resp: 31596
 Ion Ratio Lower Upper
 165 100
 63 1.1 47.3 70.9#
 89 1.1 52.5 78.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

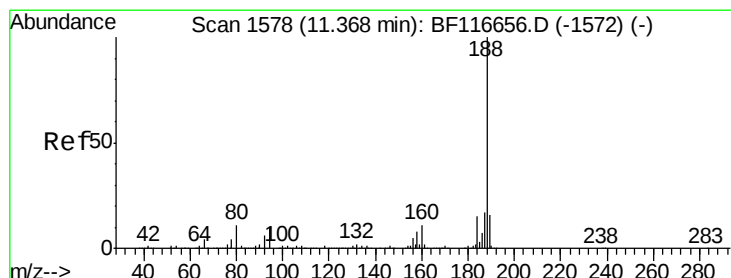
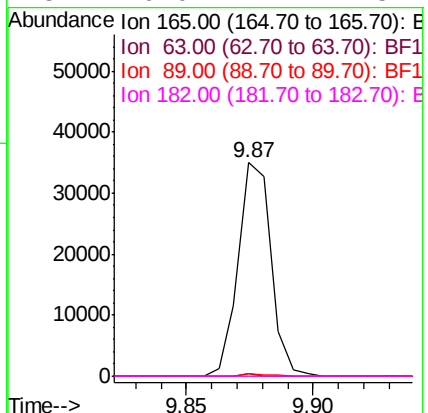
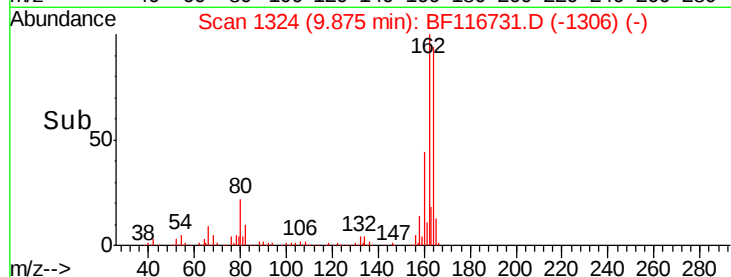
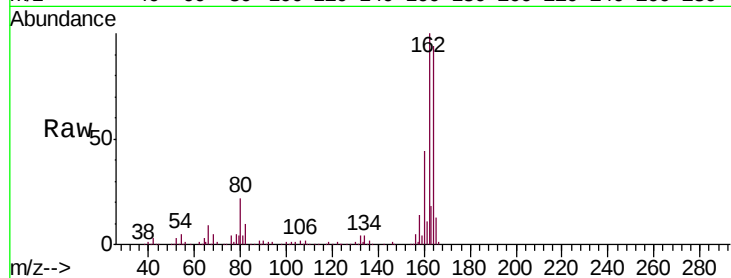




#57
2,4-Dinitrotoluene
Concen: 7.947 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.19 min
Lab File: BF116731.D
Acq: 1 Sep 2019 7:42

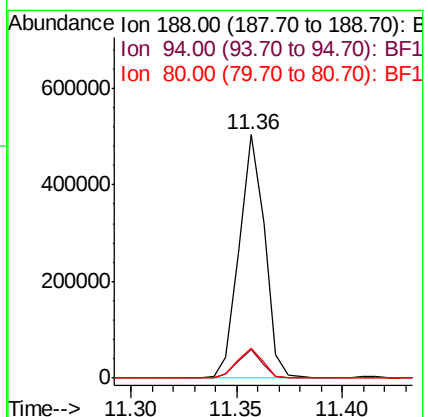
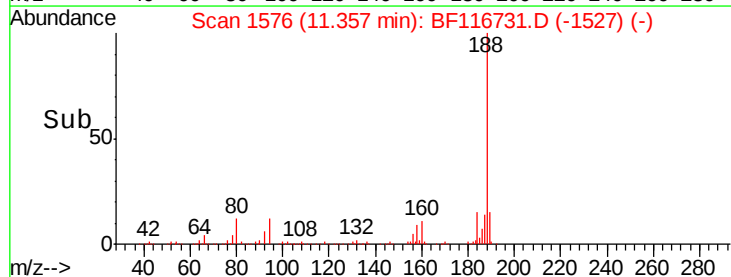
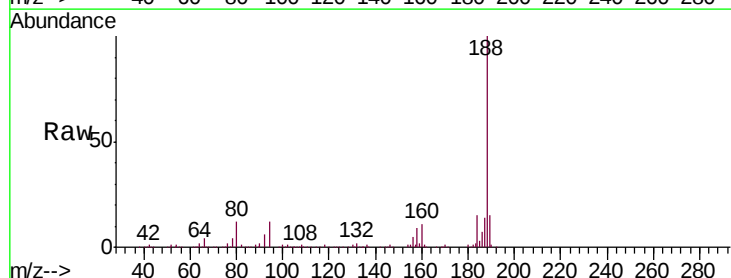
Instrument :
BNA_F
ClientSampleId :
OR-02-082919

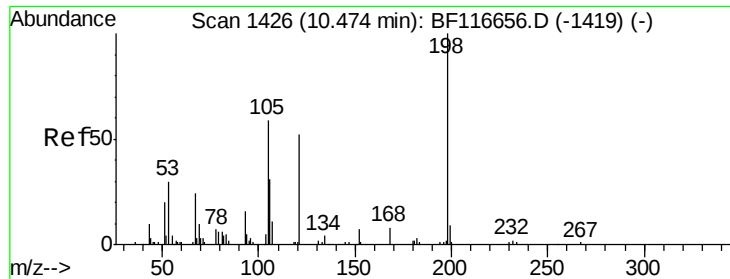
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.1	62.6	94.0#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116731.D
Acq: 1 Sep 2019 7:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	7.3	10.9#
80	12.3	8.4	12.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.813 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116731.D

Acq: 1 Sep 2019 7:42

Instrument :

BNA_F

ClientSampleId :

OR-02-082919

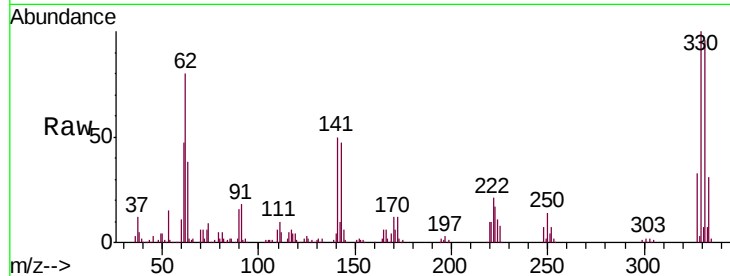
Tgt Ion:198 Resp: 663

Ion Ratio Lower Upper

198 100

51 171.0 18.4 58.4#

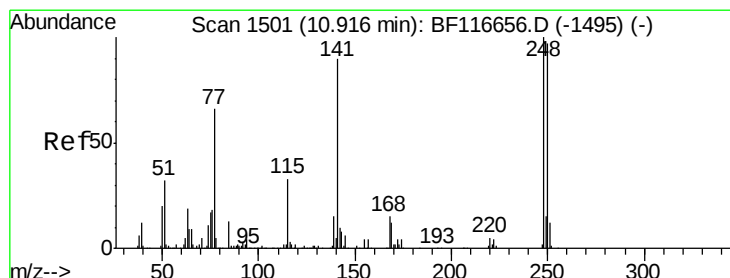
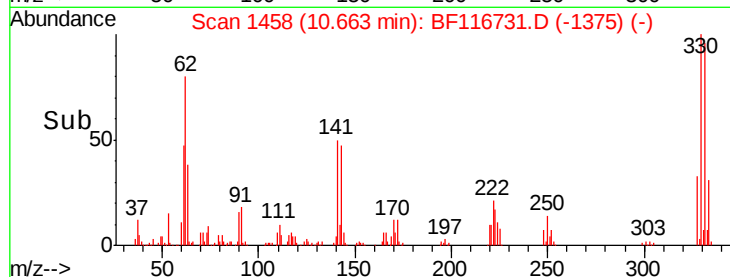
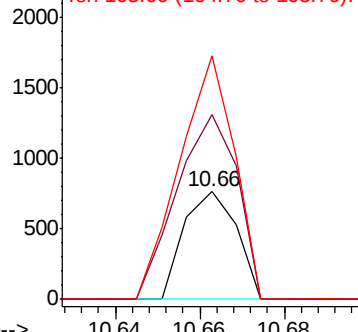
105 226.0 22.9 62.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.134 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116731.D

Acq: 1 Sep 2019 7:42

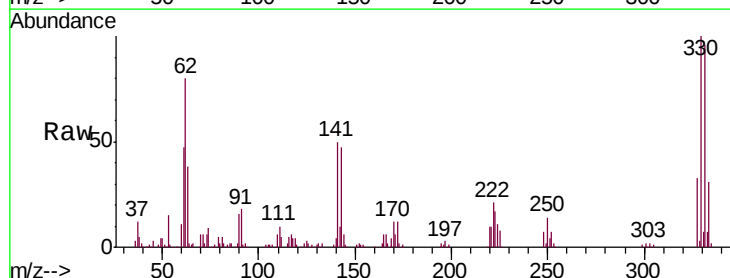
Tgt Ion:248 Resp: 17645

Ion Ratio Lower Upper

248 100

250 195.3 77.8 116.8#

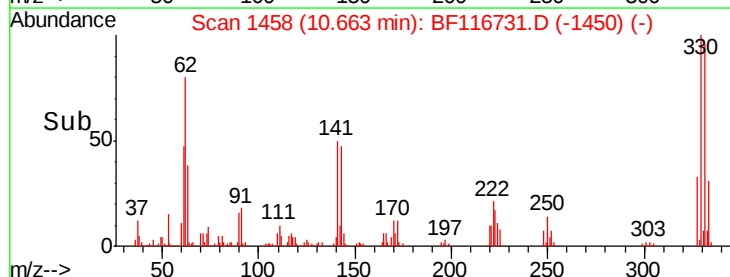
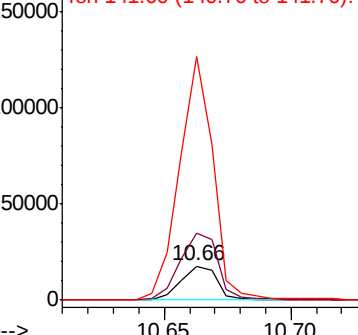
141 714.3 75.9 113.9#

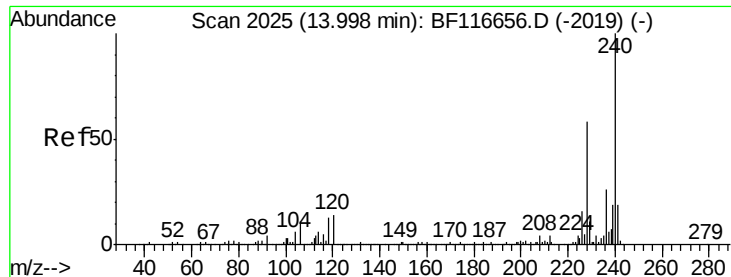


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116731.D

Acq: 1 Sep 2019 7:42

Instrument :

BNA_F

ClientSampleId :

OR-02-082919

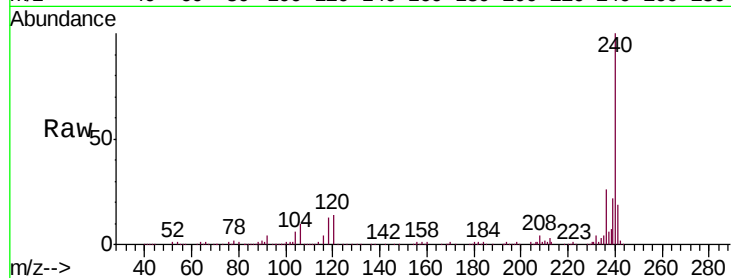
Tgt Ion:240 Resp: 273804

Ion Ratio Lower Upper

240 100

120 14.1 9.1 13.7#

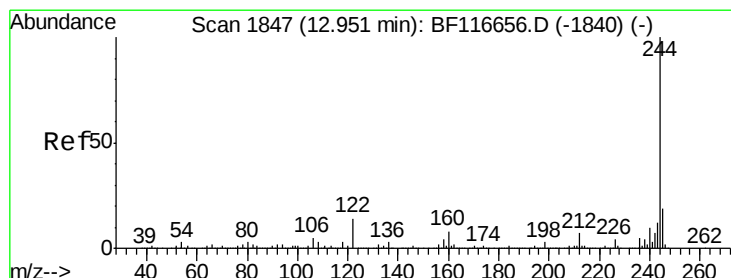
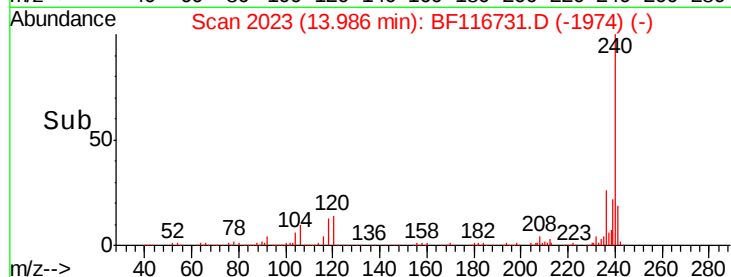
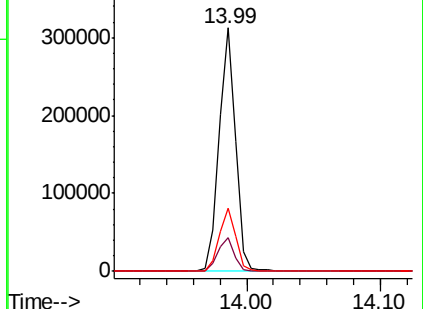
236 26.0 21.1 31.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 95.810 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116731.D

Acq: 1 Sep 2019 7:42

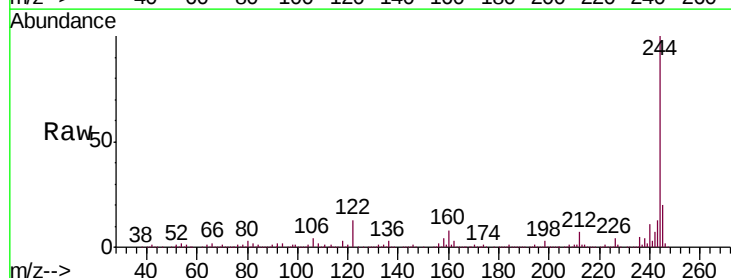
Tgt Ion:244 Resp: 1418053

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

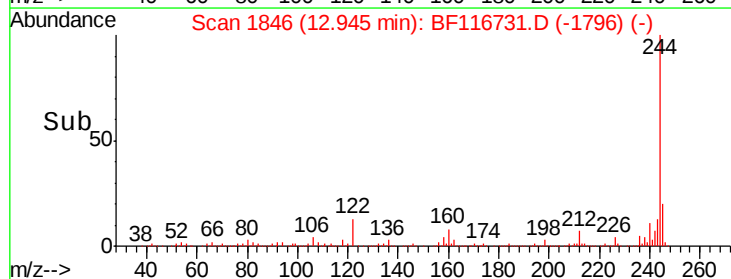
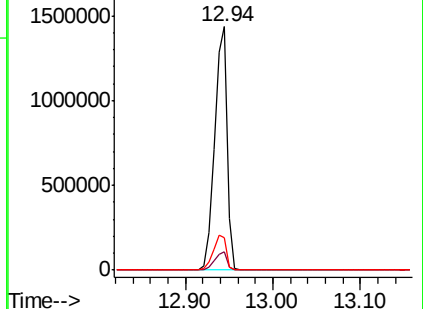
122 13.3 10.2 15.4

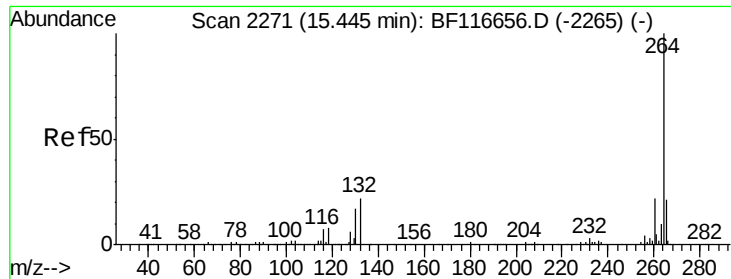


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF116731.D
Acq: 1 Sep 2019 7:42

Instrument :
BNA_F
ClientSampleId :
OR-02-082919

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.6	16.5	24.7

