

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081616\
 Data File : BF089751.D
 Acq On : 17 Aug 2016 9:06
 Operator : UM/SJ
 Sample : H4145-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9535

Manual Integrations
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Quant Time: Aug 17 14:23:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	674070	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	2827598	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	1339822	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	2324576	20.00	ng	0.00
75) Chrysene-d12	13.91	240	2026258	20.00	ng	0.01
86) Perylene-d12	15.43	264	1642410	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	4595784	113.76	ng	0.01
7) Phenol-d6	6.35	99	6597031	128.38	ng	0.02
23) Nitrobenzene-d5	7.27	82	3530006	76.23	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	1551614	119.71	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	6158812	73.76	ng	0.00
78) Terphenyl-d14	12.81	244	6112905	90.13	ng	0.00
Target Compounds						
8) 2-Chlorophenol	6.49	128	2396638	49.87	ng	Qvalue # 80
10) Phenol	6.36	94	6052650	94.63	ng	86
20) 3+4-Methylphenols	7.13	107	6904140	141.21	ng	# 45
26) 2-Nitrophenol	7.61	139	2172365	88.63	ng	# 91
29) 2,4-Dichlorophenol	7.85	162	4318640	111.65	ng	97
36) 4-Chloro-3-methylphenol	8.54	107	2446358	58.10	ng	93
42) 2,4,6-Trichlorophenol	8.98	196	4232692m	152.12	ng	
43) 2,4,5-Trichlorophenol	9.02	196	1065846m	40.17	ng	
53) 2,4-Dinitrophenol	9.79	184	763224	77.93	ng	94
55) 4-Nitrophenol	9.86	139	2753267	140.29	ng	91
64) 4,6-Dinitro-2-methylphenol	10.33	198	894962	66.31	ng	96
69) Pentachlorophenol	11.03	266	1924704	115.45	ng	97

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

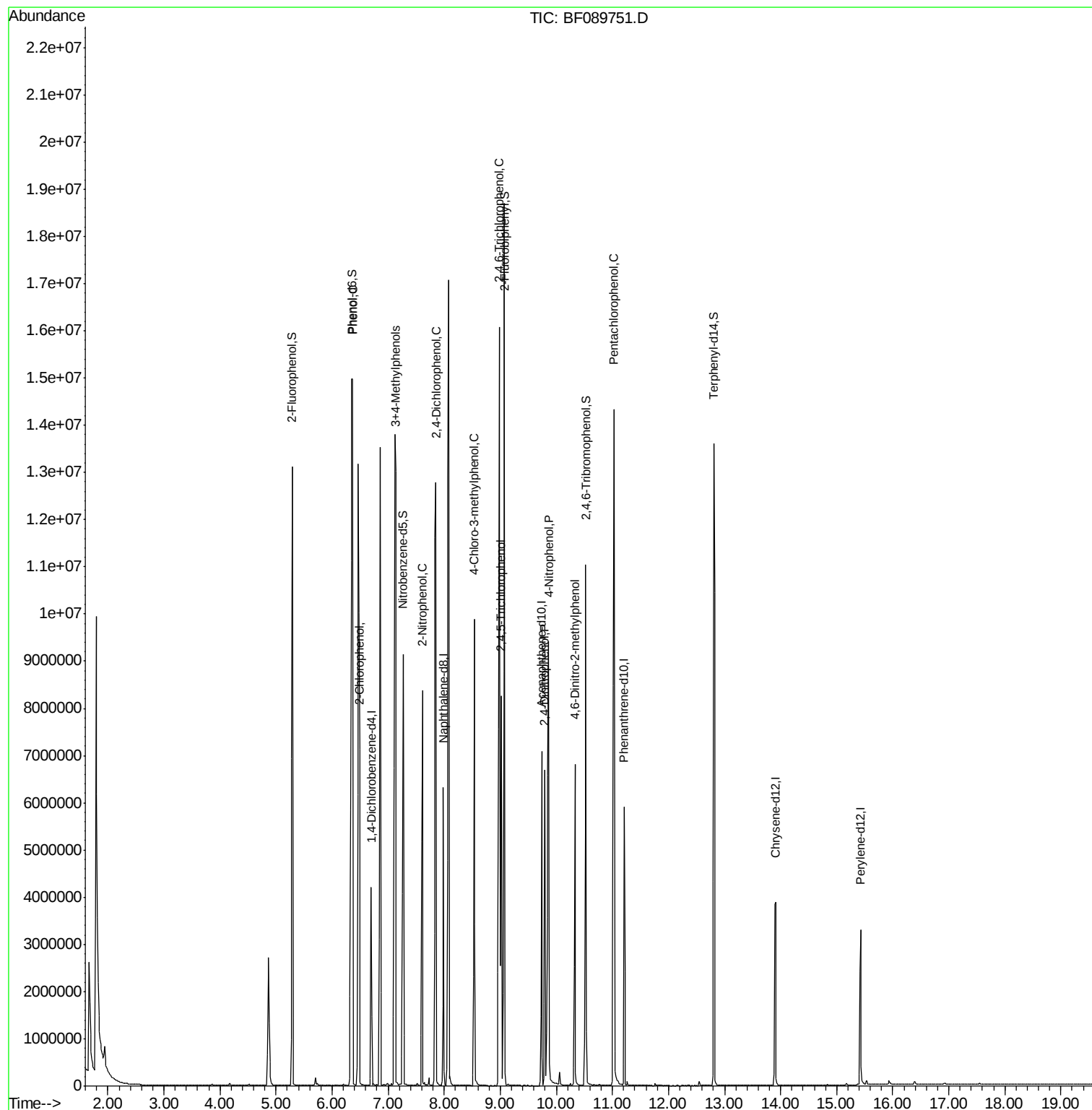
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081616\
Data File : BF089751.D
Acq On : 17 Aug 2016 9:06
Operator : UM/SJ
Sample : H4145-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

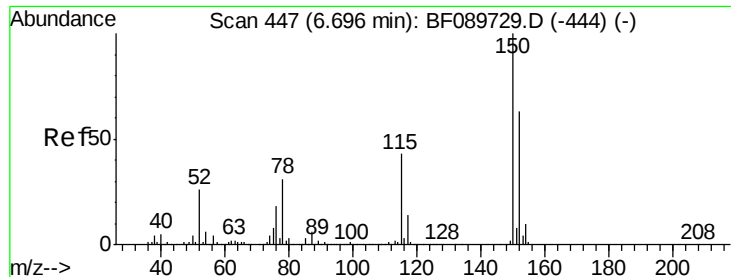
Instrument :
BNA_F
ClientSampleId :
9535

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Quant Time: Aug 17 14:23:50 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 16 19:45:04 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. -0.00 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

Instrument :

BNA_F

ClientSampled :

9535

Tot Ion:152 Resp: 674070

Ion Ratio Lower Upper

152 100

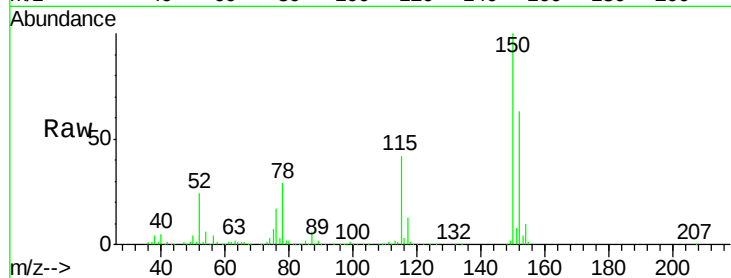
150 158.6 125.3 187.9

115 65.8 40.9 61.3#

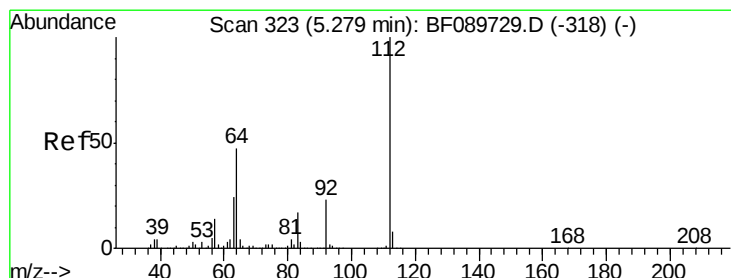
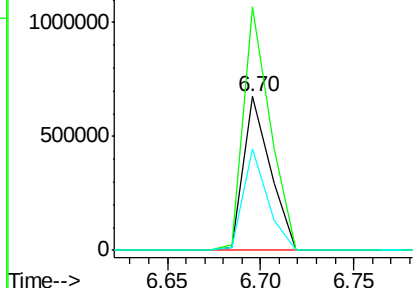
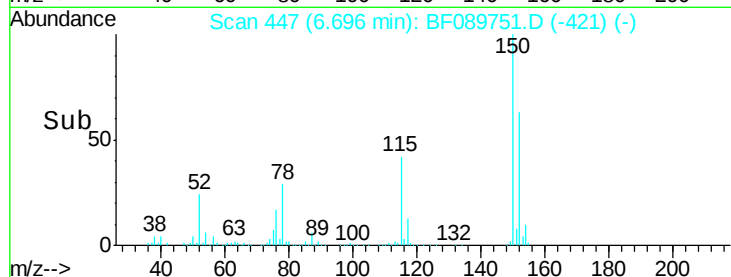
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 113.76 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

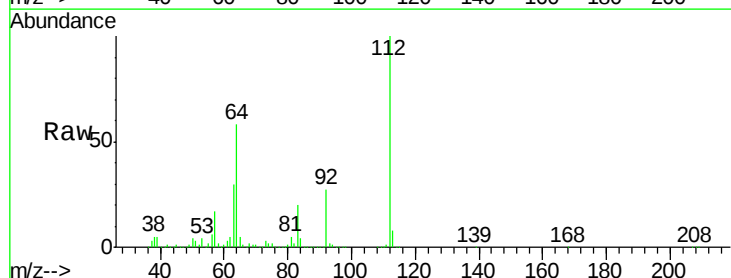
Tgt Ion:112 Resp: 4595784

Ion Ratio Lower Upper

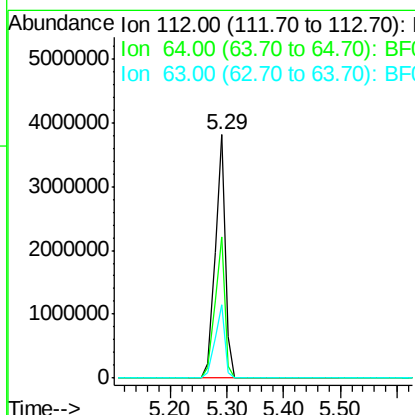
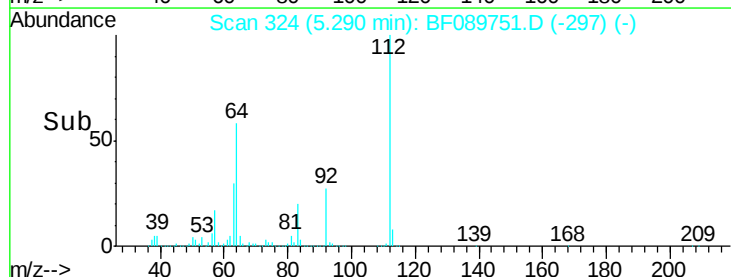
112 100

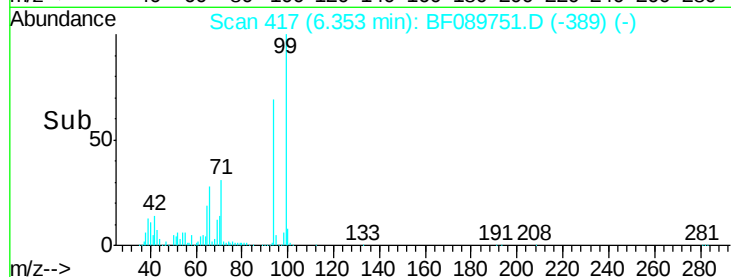
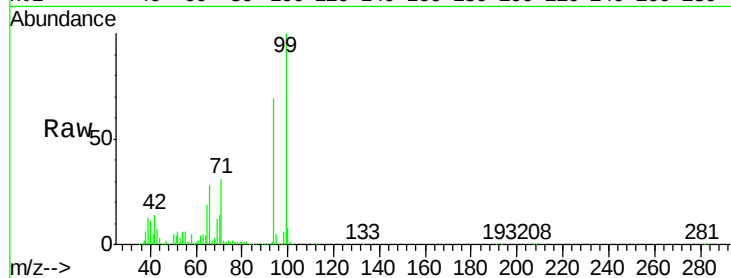
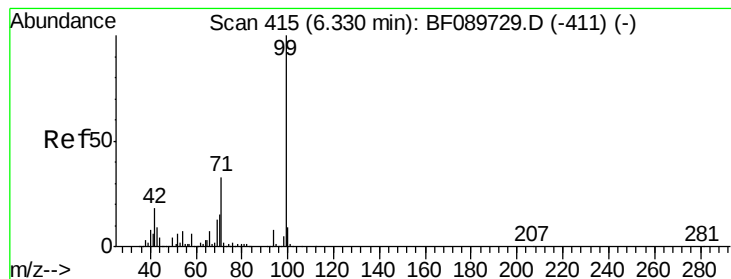
64 57.9 45.0 67.4

63 30.0 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 128.38 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.02 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

Tot Ion:	99	Resp:	6597031
Ion	Ratio	Lower	Upper
99	100		
42	13.9	12.2	18.4
71	30.5	23.8	35.8

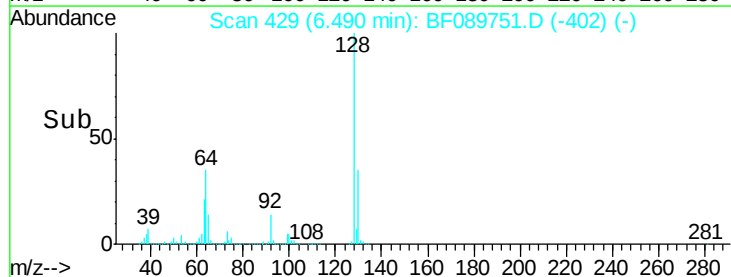
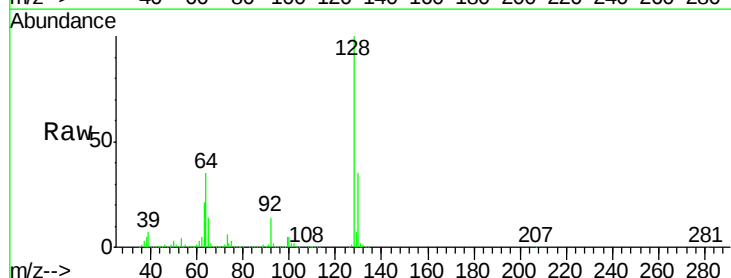
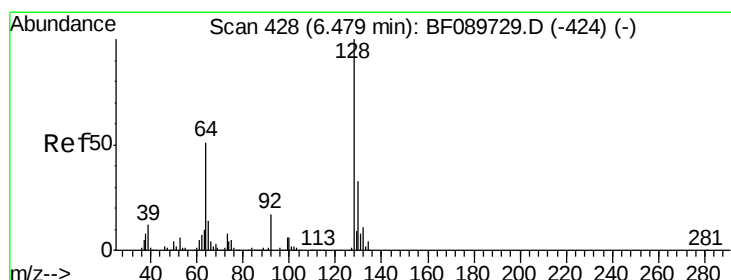
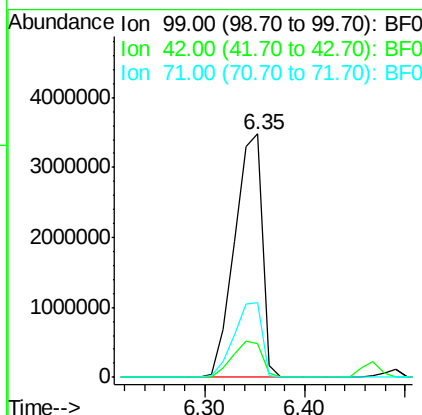
Instrument :

BNA_F

ClientSampleId :
9535

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#8

2-Chlorophenol

Concen: 49.87 ng

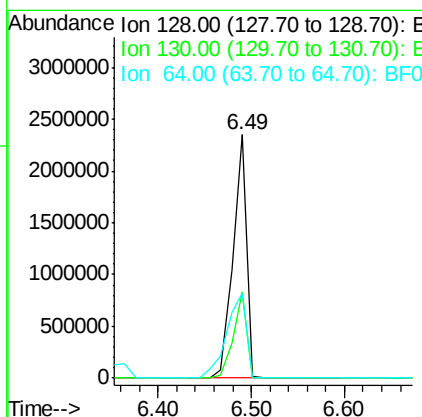
RT: 6.49 min Scan# 429

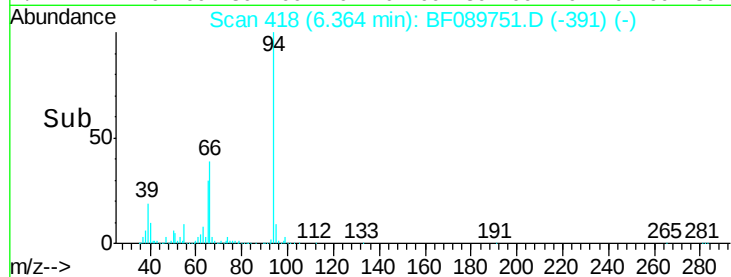
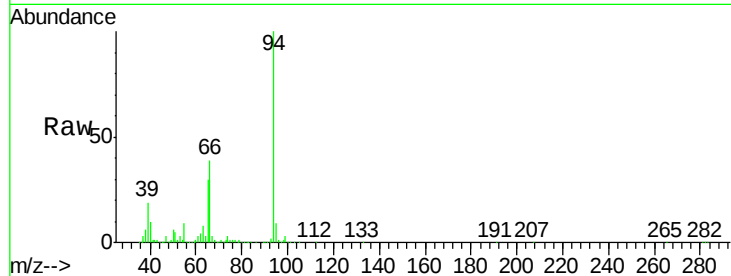
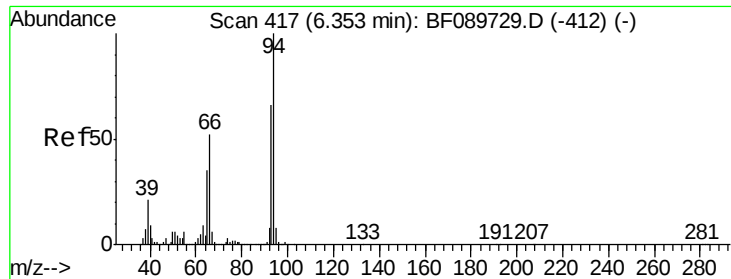
Delta R.T. 0.01 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

Tgt Ion:	128	Resp:	2396638
Ion	Ratio	Lower	Upper
128	100		
130	35.3	12.0	52.0
64	34.6	35.1	75.1#





#10

Phenol

Concen: 94.63 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.01 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

Tot Ion: 94 Resp: 6052650

Ion Ratio Lower Upper

94 100

65 30.1 14.0 54.0

66 38.6 31.2 71.2

Instrument :

BNA_F

ClientSampleId :

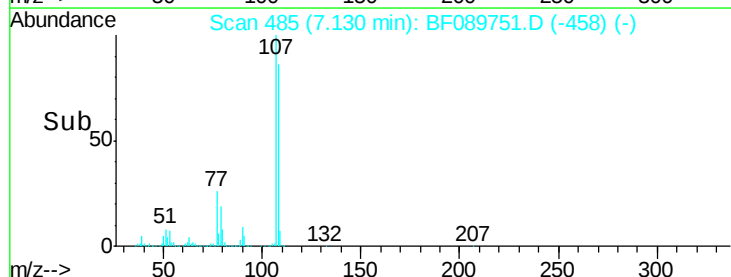
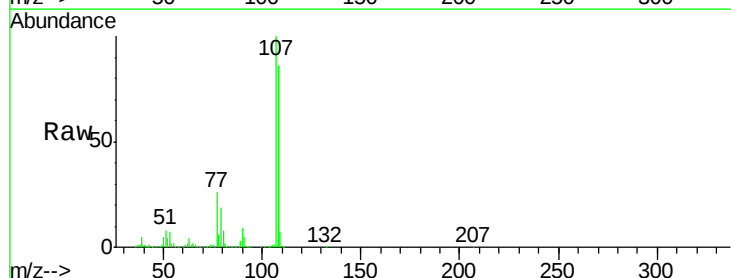
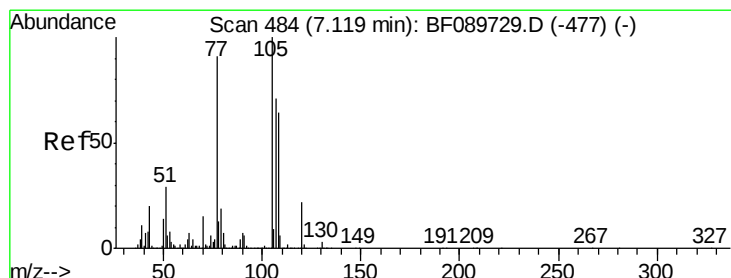
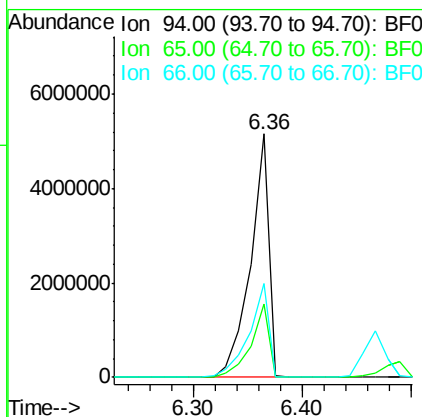
9535

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#20

3+4-Methylphenols

Concen: 141.21 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.01 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

Tgt Ion: 107 Resp: 6904140

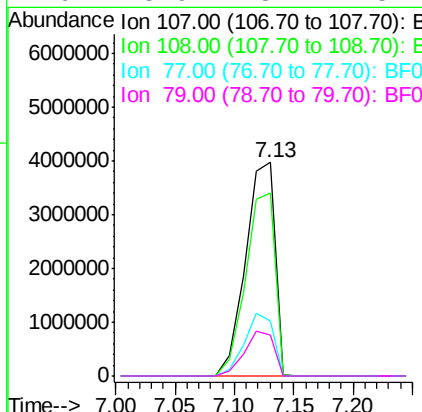
Ion Ratio Lower Upper

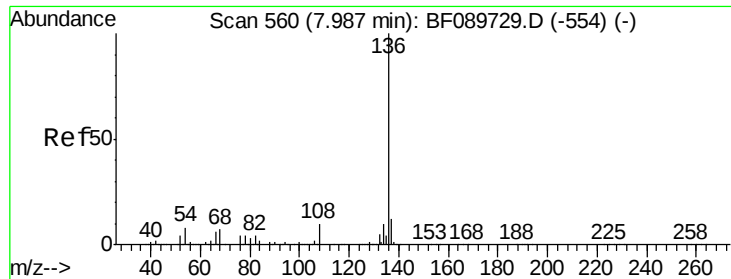
107 100

108 85.7 68.2 108.2

77 26.0 122.3 162.3#

79 18.9 8.2 48.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.00 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

Instrument :

BNA_F

ClientSampled :

9535

Tot Ion:136 Resp: 2827598

Ion Ratio Lower Upper

136 100

137 12.0 9.2 13.8

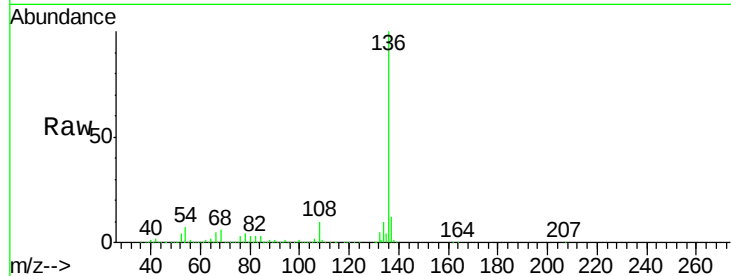
54 7.1 7.2 10.8#

68 6.3 5.8 8.8

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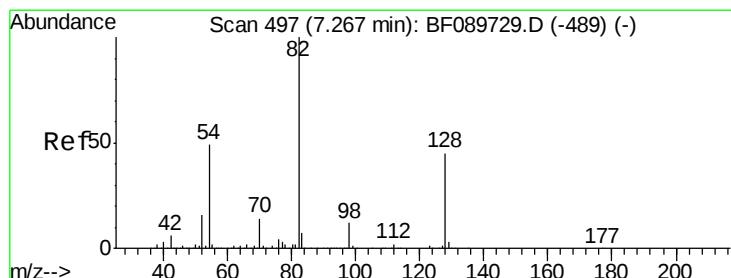
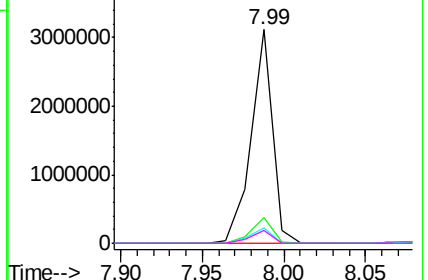
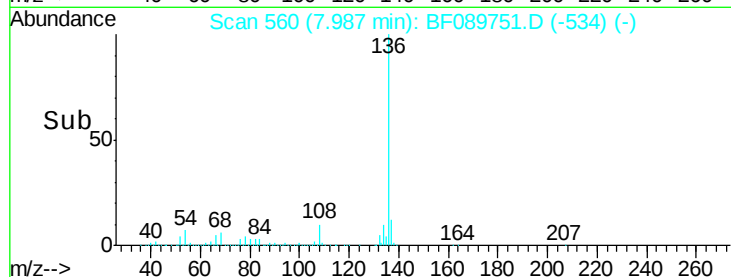


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 76.23 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.00 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

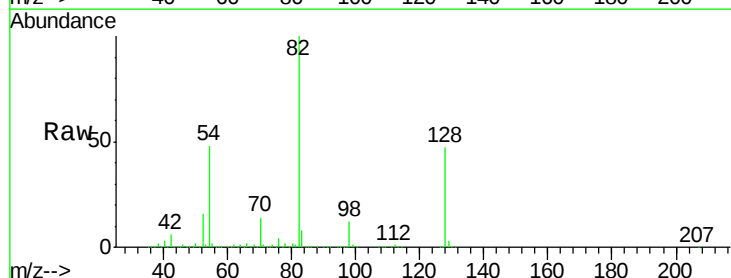
Tgt Ion: 82 Resp: 3530006

Ion Ratio Lower Upper

82 100

128 46.8 34.4 51.6

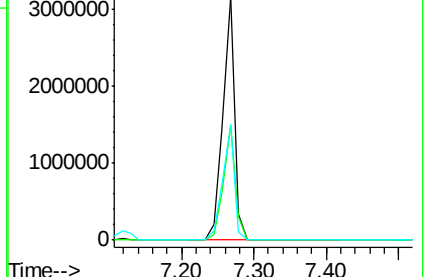
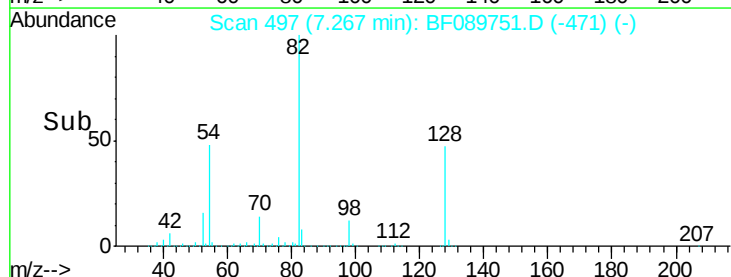
54 47.6 40.3 60.5

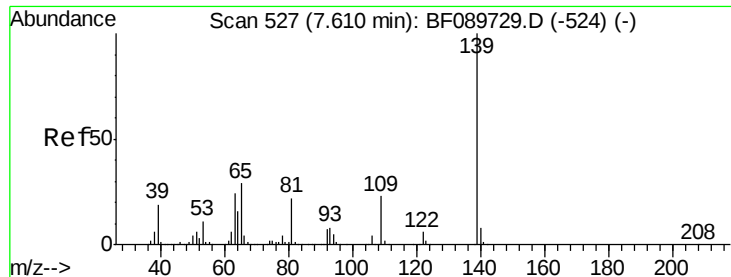


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#26

2-Nitrophenol

Concen: 88.63 ng

RT: 7.61 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

Instrument :

BNA_F

ClientSampled :

9535

Tot Ion:139 Resp: 2172365

Ion Ratio Lower Upper

139 100

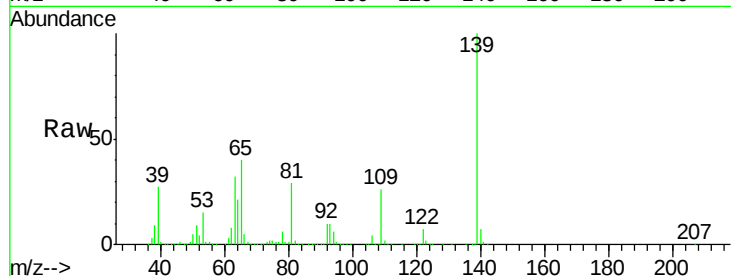
109 26.4 19.5 29.3

65 40.0 26.5 39.7#

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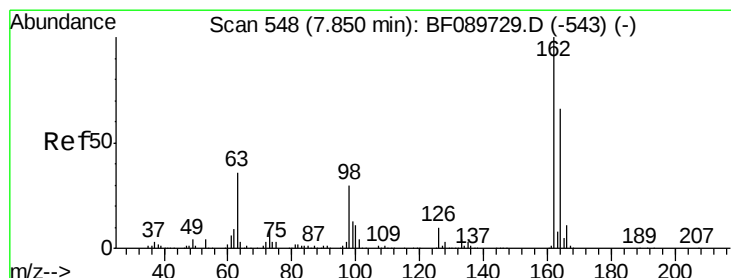
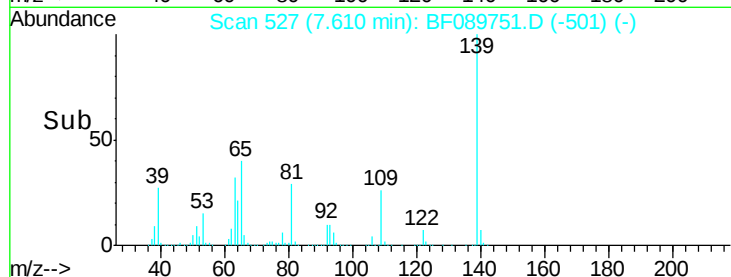
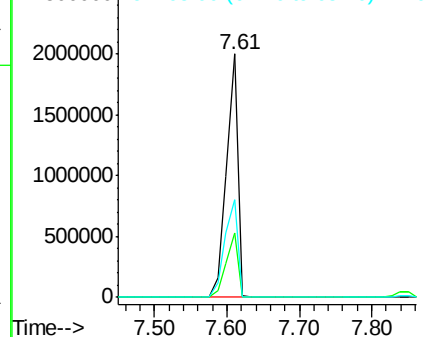
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Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#29

2,4-Dichlorophenol

Concen: 111.65 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.00 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

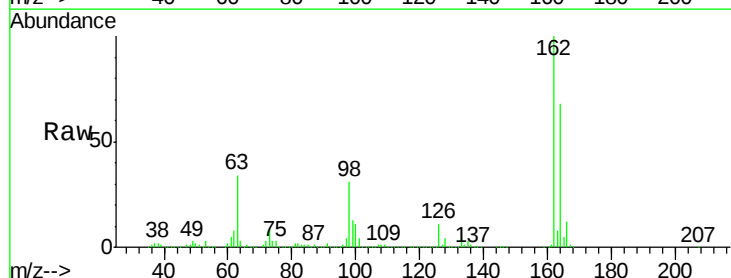
Tgt Ion:162 Resp: 4318640

Ion Ratio Lower Upper

162 100

164 68.4 45.5 85.5

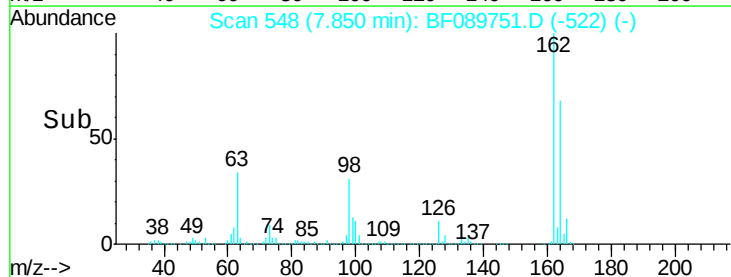
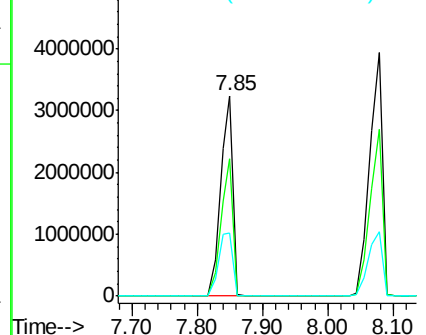
98 31.3 12.4 52.4

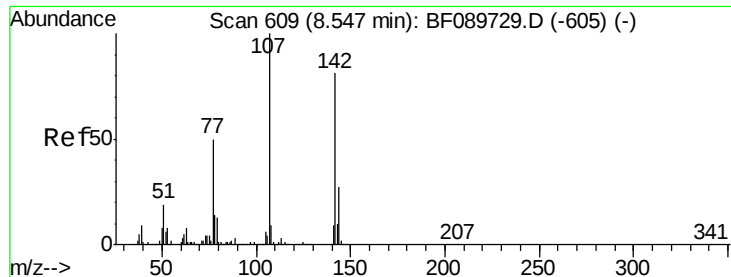


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0





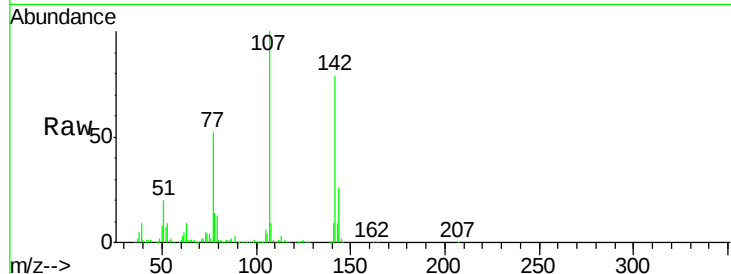
#36
 4-Chloro-3-methylphenol
 Concen: 58.10 ng
 RT: 8.54 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: BF089751.D
 Acq: 17 Aug 2016 9:06

Instrument :
 BNA_F
 ClientSampled :
 9535

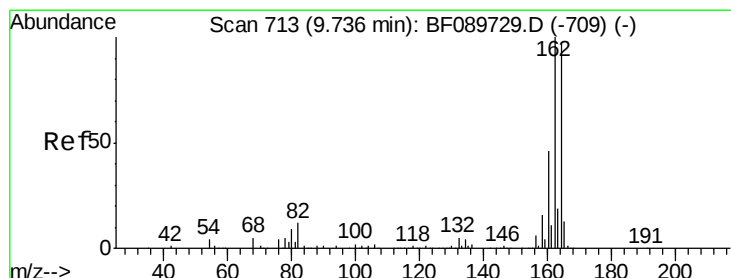
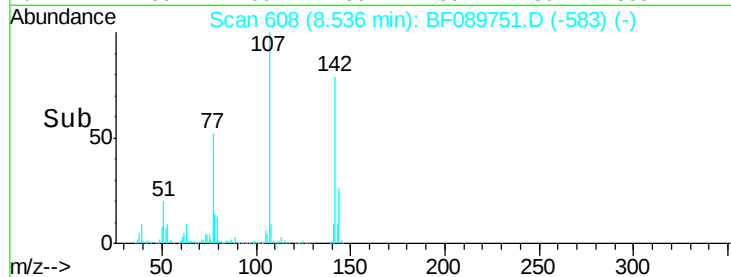
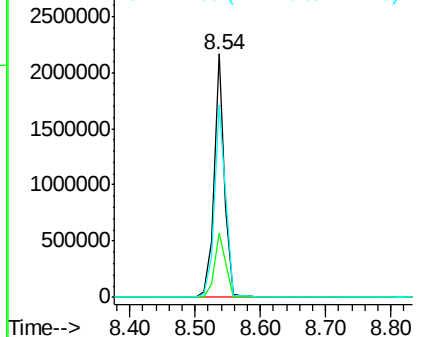
Tot Ion:107 Resp: 2446358
 Ion Ratio Lower Upper
 107 100
 144 26.5 22.6 34.0
 142 79.0 69.3 103.9

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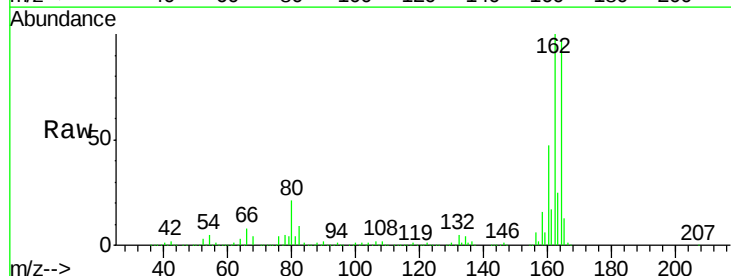


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

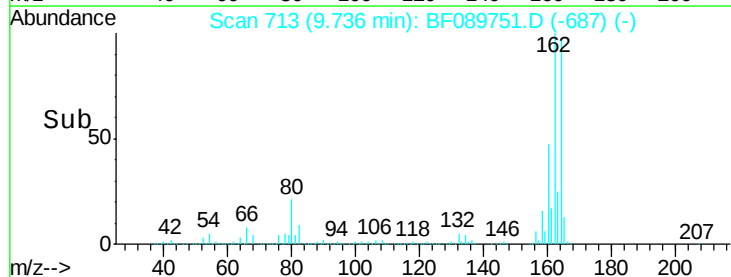
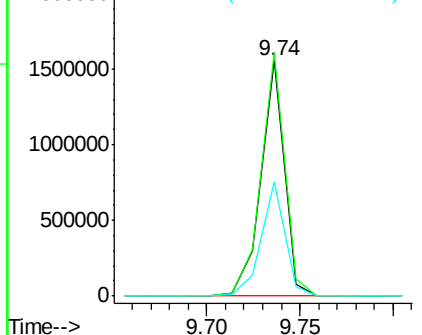


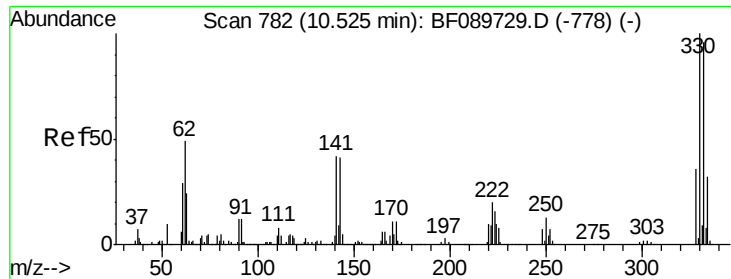
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: BF089751.D
 Acq: 17 Aug 2016 9:06

Tgt Ion:164 Resp: 1339822
 Ion Ratio Lower Upper
 164 100
 162 103.4 81.4 122.2
 160 48.8 37.8 56.6



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





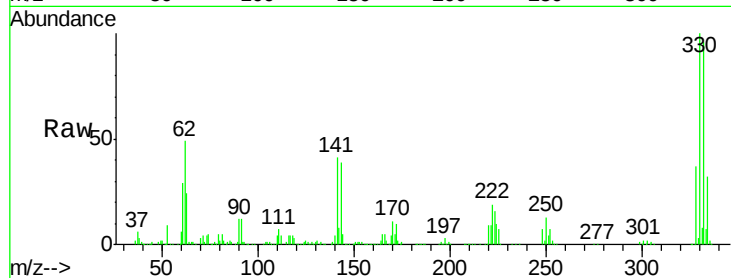
#41
 2,4,6-Tribromophenol
 Concen: 119.71 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: BF089751.D
 Acq: 17 Aug 2016 9:06

Instrument :
 BNA_F
 ClientSampled :
 9535

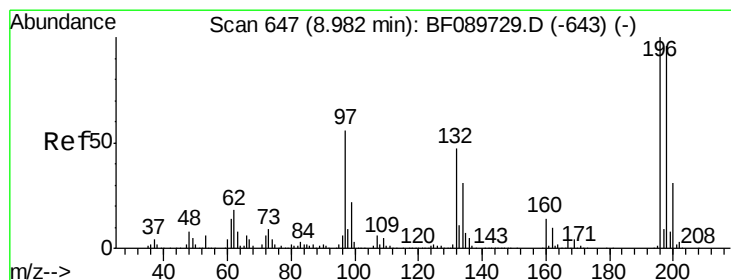
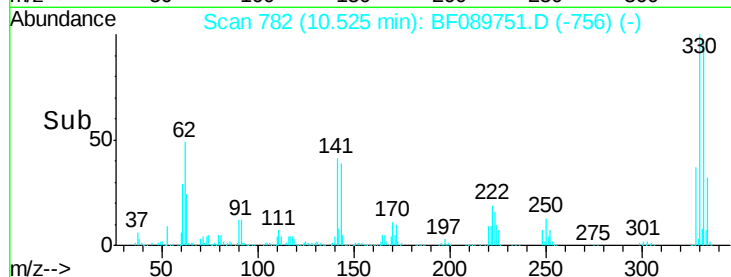
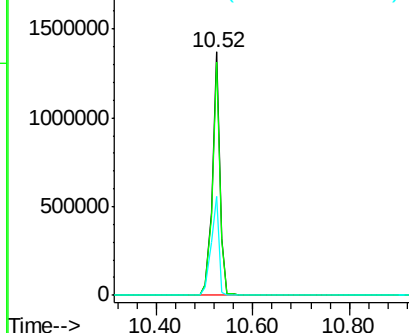
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.7	115.1
141	41.4	30.2	45.2

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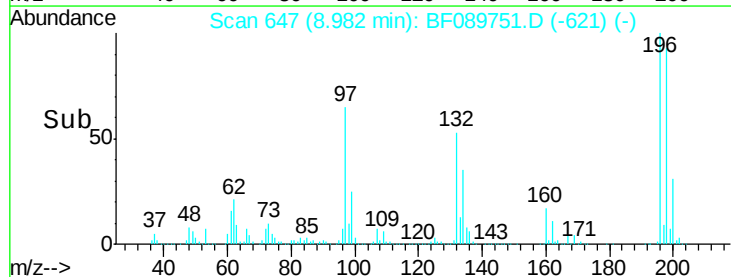
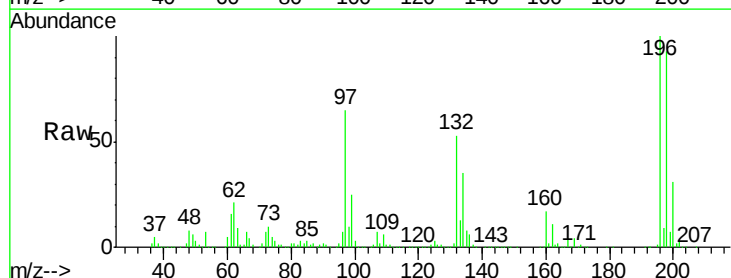
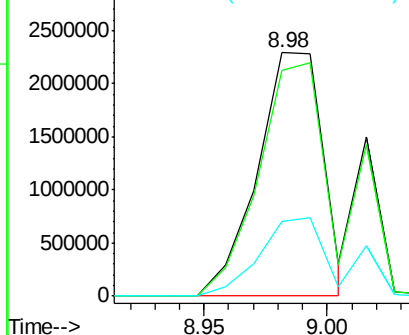
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

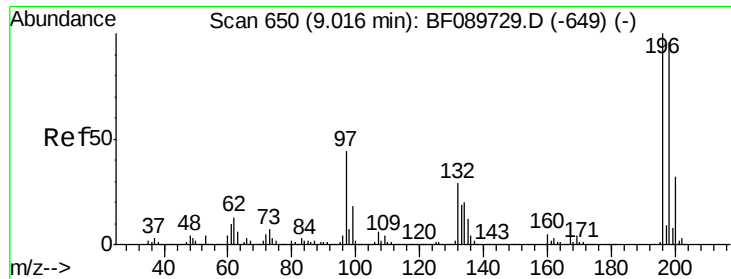


#42
 2,4,6-Trichlorophenol
 Concen: 152.12 ng m
 RT: 8.98 min Scan# 647
 Delta R.T. -0.00 min
 Lab File: BF089751.D
 Acq: 17 Aug 2016 9:06

Tgt Ion	Ratio	Lower	Upper
196	100		
198	92.7	76.3	114.5
200	30.7	24.6	36.8

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





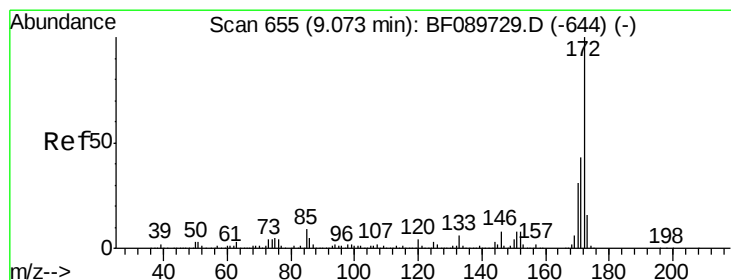
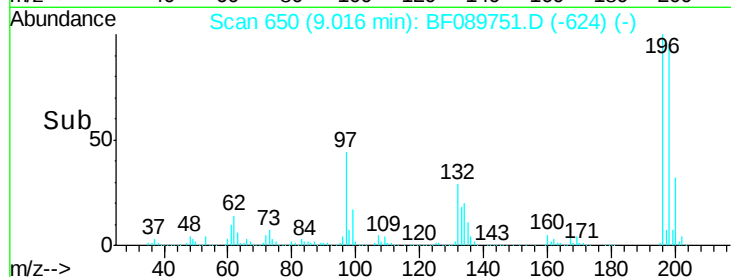
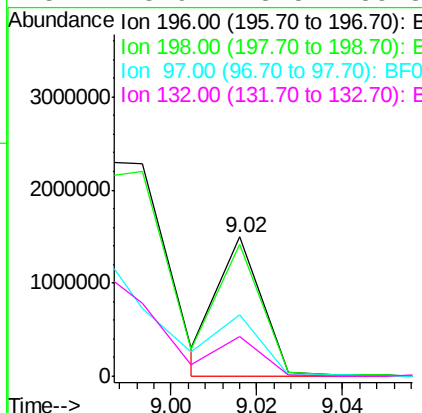
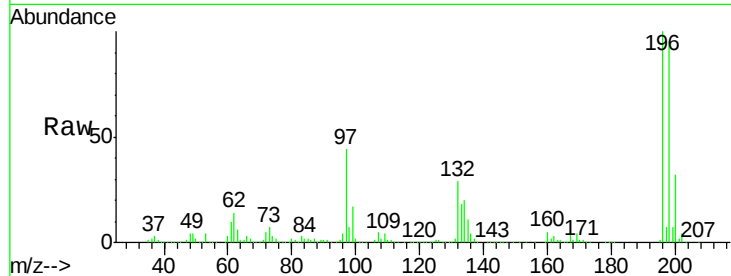
#43
 2,4,5-Trichlorophenol
 Concen: 40.17 ng/ml
 RT: 9.02 min Scan# 650
 Delta R.T. -0.00 min
 Lab File: BF089751.D
 Acq: 17 Aug 2016 9:06

Instrument :
 BNA_F
 ClientSampleId :
 9535

Tot Ion:	196	Resp:	1065846
Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.6	114.8
97	43.8	35.8	53.8
132	28.9	23.5	35.3

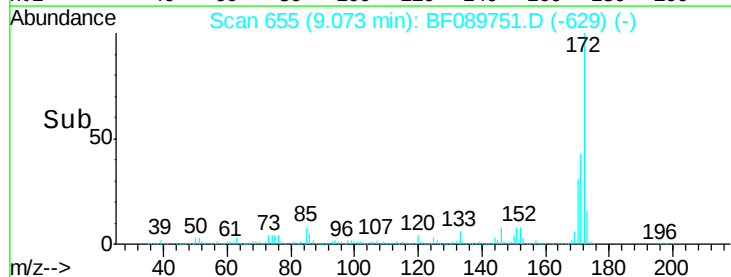
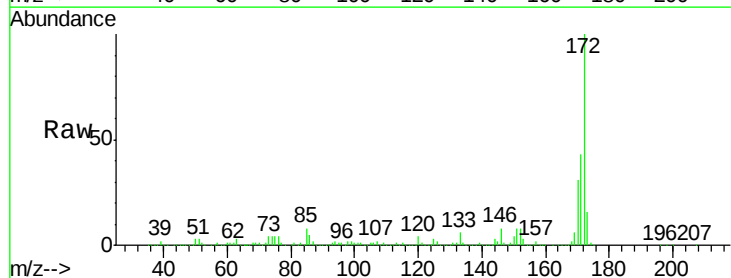
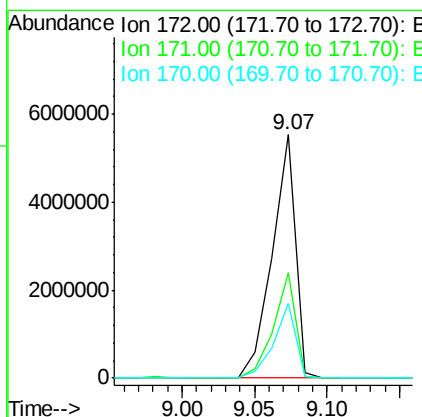
Manual Integrations
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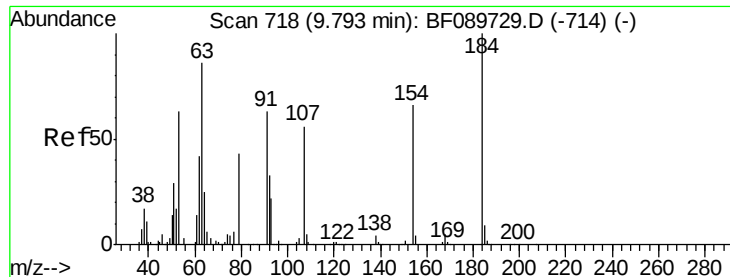
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#44
 2-Fluorobiphenyl
 Concen: 73.76 ng/ml
 RT: 9.07 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BF089751.D
 Acq: 17 Aug 2016 9:06

Tgt Ion:	172	Resp:	6158812
Ion	Ratio	Lower	Upper
172	100		
171	43.4	30.5	45.7
170	30.9	20.6	31.0





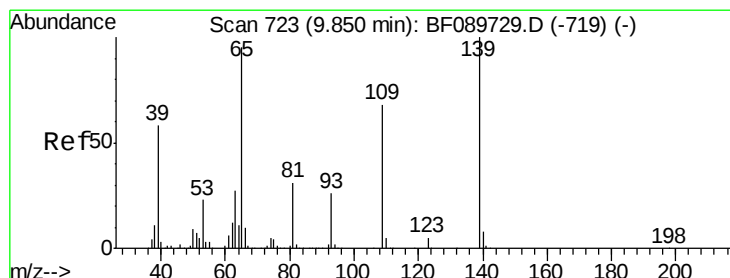
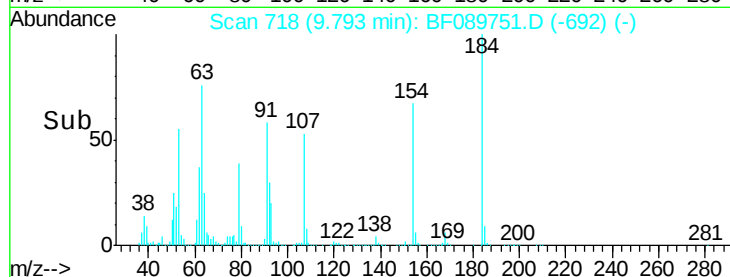
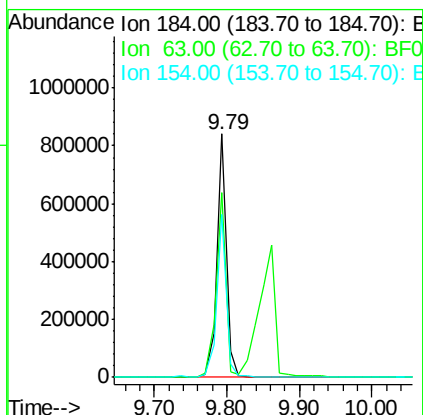
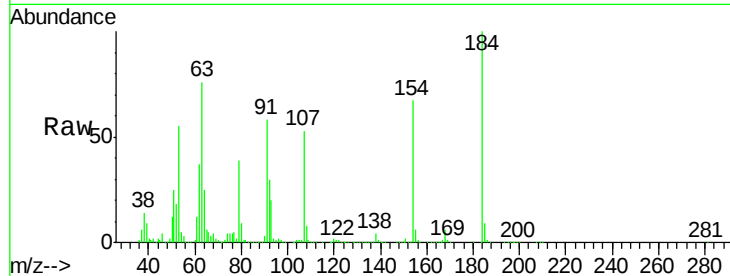
#53
 2,4-Dinitrophenol
 Concen: 77.93 ng
 RT: 9.79 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: BF089751.D
 Acq: 17 Aug 2016 9:06

Instrument :
 BNA_F
 ClientSampled :
 9535

Tot Ion	Ratio	Resp	Lower	Upper
184	100	763224		
63	76.1		54.2	81.4
154	66.8		52.7	79.1

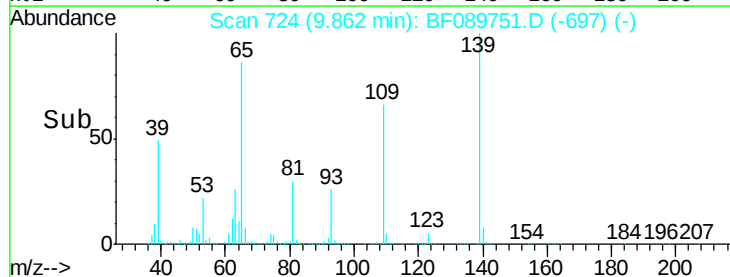
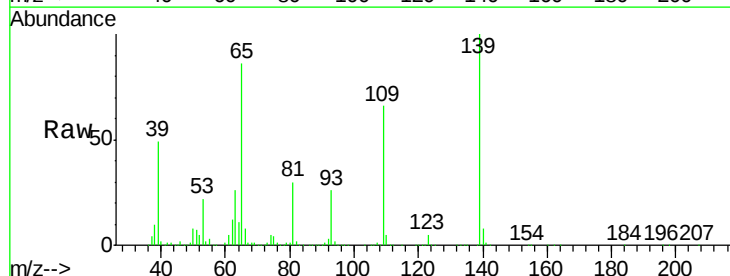
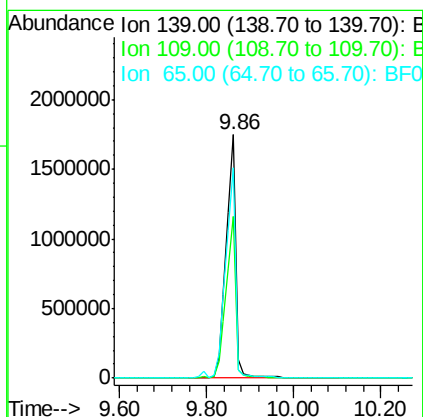
Manual Integrations
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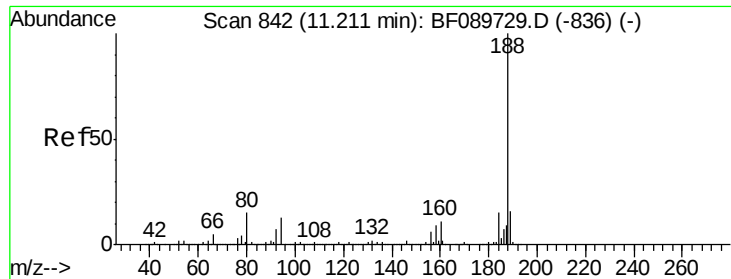
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#55
 4-Nitrophenol
 Concen: 140.29 ng
 RT: 9.86 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: BF089751.D
 Acq: 17 Aug 2016 9:06

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	2753267		
109	66.4		43.0	83.0
65	86.1		55.7	95.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.00 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

Instrument :

BNA_F

ClientSampled :
9535

Tot Ion:188 Resp: 2324576

Ion Ratio Lower Upper

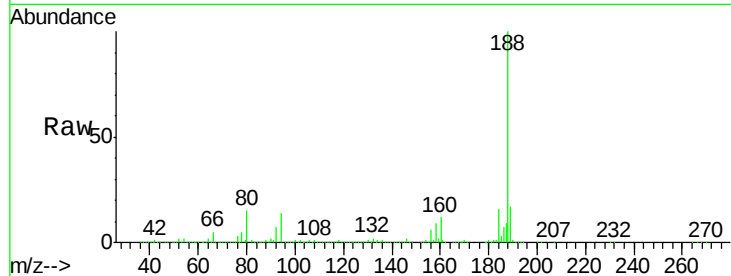
188 100

94 13.6 10.2 15.2

80 14.8 10.9 16.3

Manual Integrations
APPROVED

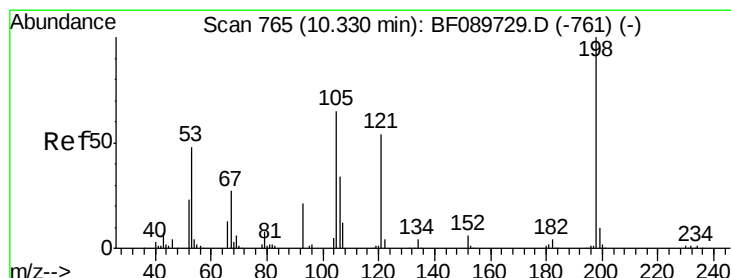
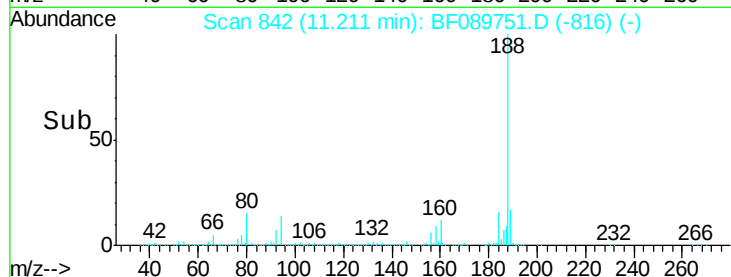
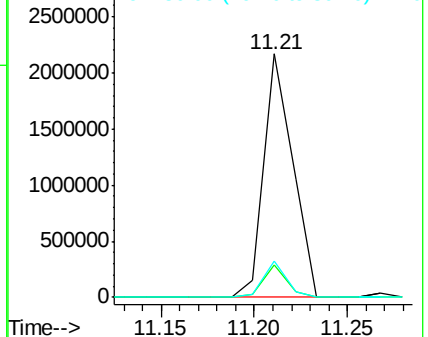
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 66.31 ng

RT: 10.33 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

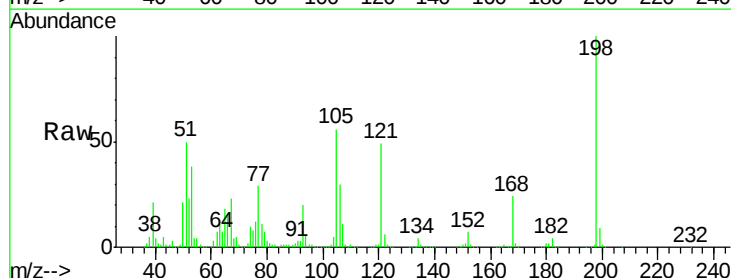
Tgt Ion:198 Resp: 894962

Ion Ratio Lower Upper

198 100

51 49.6 32.3 72.3

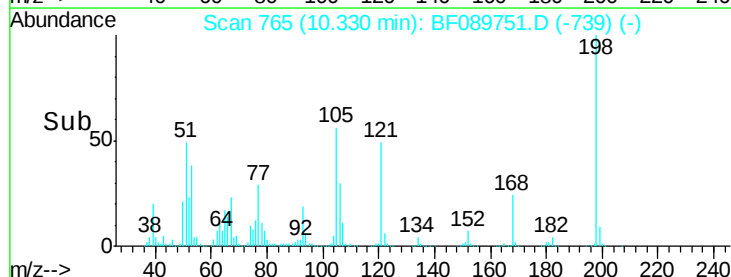
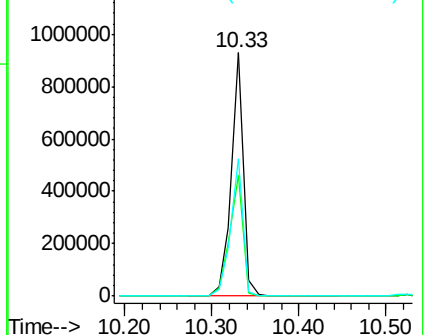
105 56.4 32.9 72.9

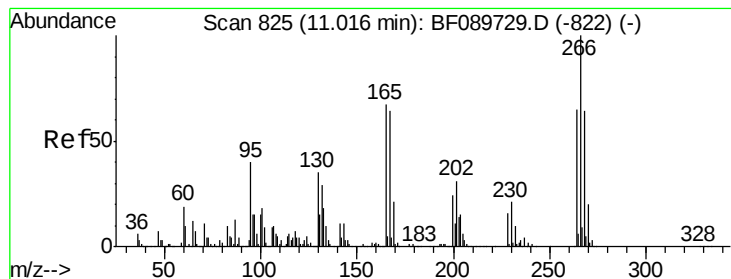


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#69

Pentachlorophenol

Concen: 115.45 ng

RT: 11.03 min Scan# 826

Delta R.T. 0.01 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

Instrument :

BNA_F

ClientSampled :

9535

Tot Ion:266 Resp: 1924704

Ion Ratio Lower Upper

266 100

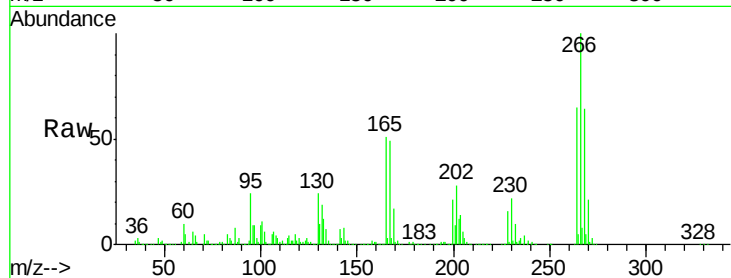
268 63.7 53.2 79.8

264 65.4 51.1 76.7

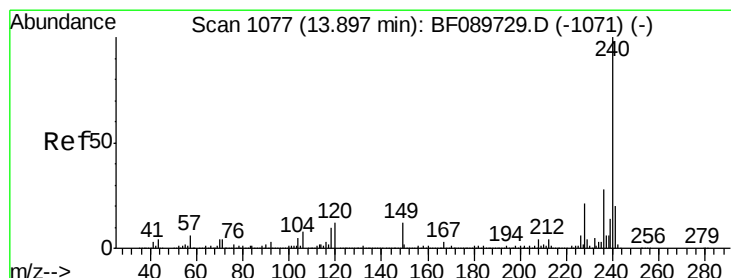
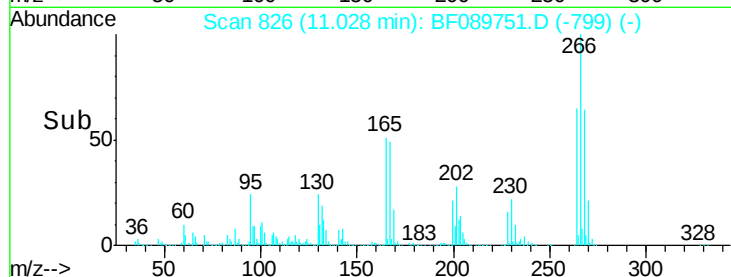
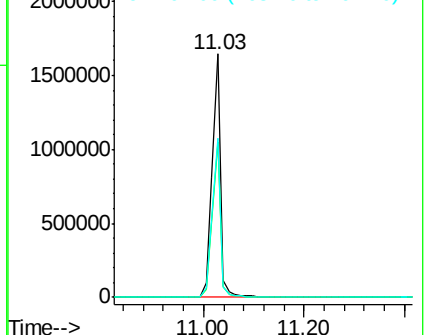
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Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1078

Delta R.T. 0.01 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

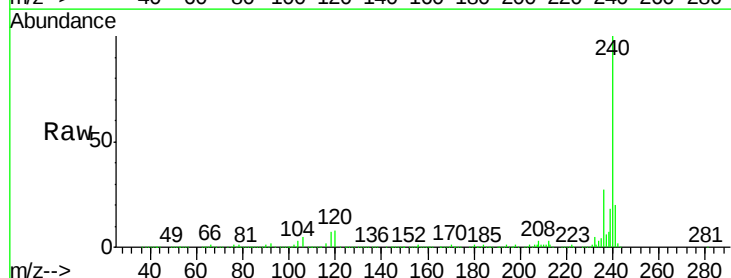
Tgt Ion:240 Resp: 2026258

Ion Ratio Lower Upper

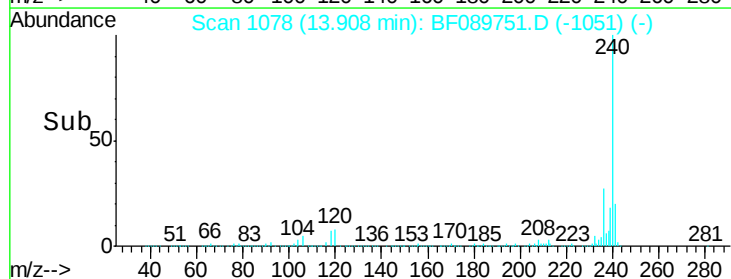
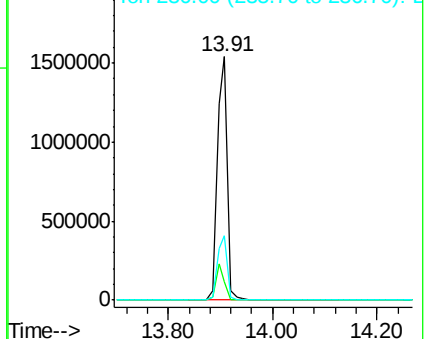
240 100

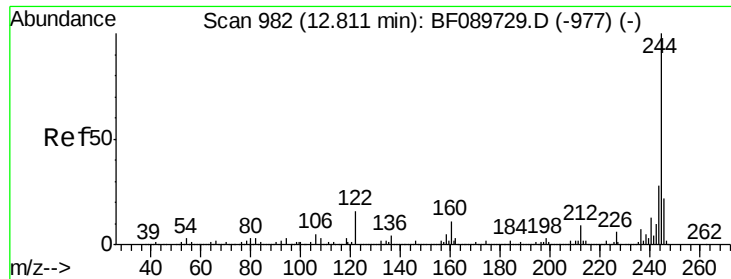
120 7.5 8.3 12.5#

236 26.6 21.3 31.9



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





#78

Terphenyl-d14

Concen: 90.13 ng

RT: 12.81 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

Instrument :

BNA_F

ClientSampled :

9535

Tot Ion:244 Resp: 6112905

Ion Ratio Lower Upper

244 100

212 9.0 6.3 9.5

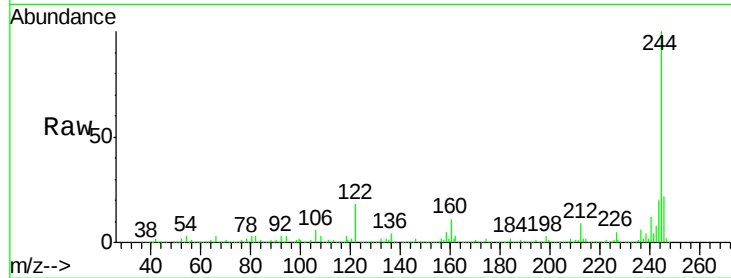
122 17.6 12.0 18.0

Manual Integrations

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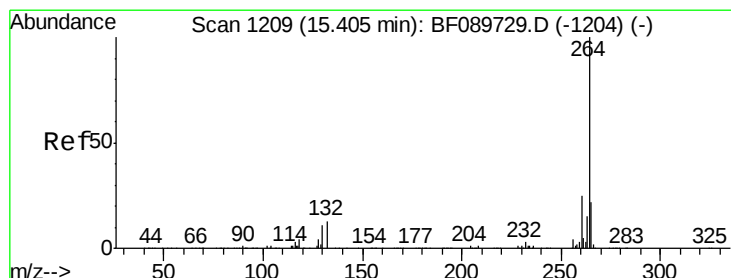
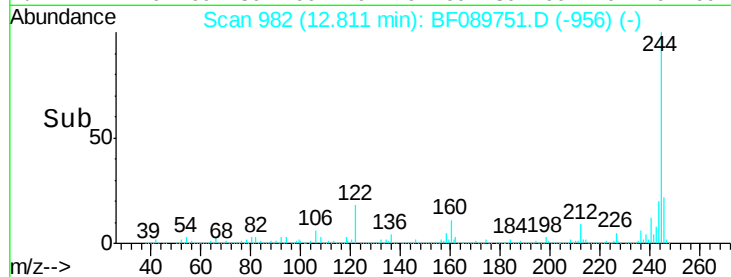
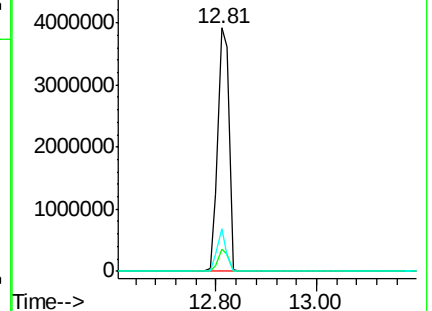
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 1211

Delta R.T. 0.02 min

Lab File: BF089751.D

Acq: 17 Aug 2016 9:06

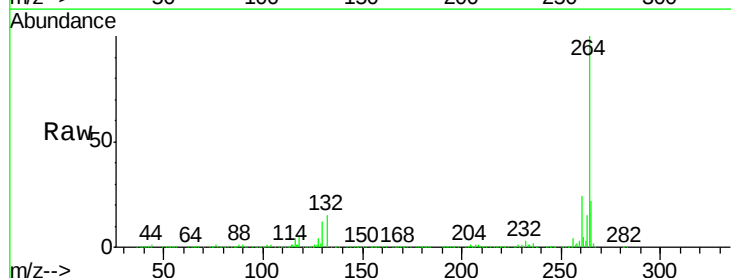
Tgt Ion:264 Resp: 1642410

Ion Ratio Lower Upper

264 100

260 24.0 20.2 30.2

265 22.2 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

