

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081616\
 Data File : BF089752.D
 Acq On : 17 Aug 2016 9:33
 Operator : UM/SJ
 Sample : H4145-12DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9535DL

Manual Integrations
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Quant Time: Aug 17 14:30:16 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	626550m	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	2604681	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	1247513	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	2239553	20.00	ng	0.00
75) Chrysene-d12	13.85	240	1741435	20.00	ng	-0.05
86) Perylene-d12	15.30	264	1445133	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1051869	28.01	ng	-0.01
7) Phenol-d6	6.32	99	1355823	28.39	ng	-0.01
23) Nitrobenzene-d5	7.26	82	753890	17.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	361871	29.98	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1559012	20.05	ng	-0.01
78) Terphenyl-d14	12.80	244	1620240	27.80	ng	-0.01
Target Compounds						
8) 2-Chlorophenol	6.48	128	444864	9.96	ng	# 82
10) Phenol	6.34	94	1561938	26.27	ng	# 75
20) 3+4-Methylphenols	7.11	107	1337847	29.44	ng	# 47
26) 2-Nitrophenol	7.60	139	360310	15.96	ng	# 81
29) 2,4-Dichlorophenol	7.84	162	894953	25.12	ng	96
36) 4-Chloro-3-methylphenol	8.54	107	545975	14.08	ng	97
42) 2,4,6-Trichlorophenol	8.97	196	844351m	32.59	ng	
43) 2,4,5-Trichlorophenol	9.00	196	226167m	9.16	ng	
53) 2,4-Dinitrophenol	9.78	184	80266	10.39	ng	# 60
55) 4-Nitrophenol	9.84	139	513813	28.12	ng	# 81
64) 4,6-Dinitro-2-methylphenol	10.32	198	142361	10.95	ng	89
69) Pentachlorophenol	11.02	266	418248	26.04	ng	98

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

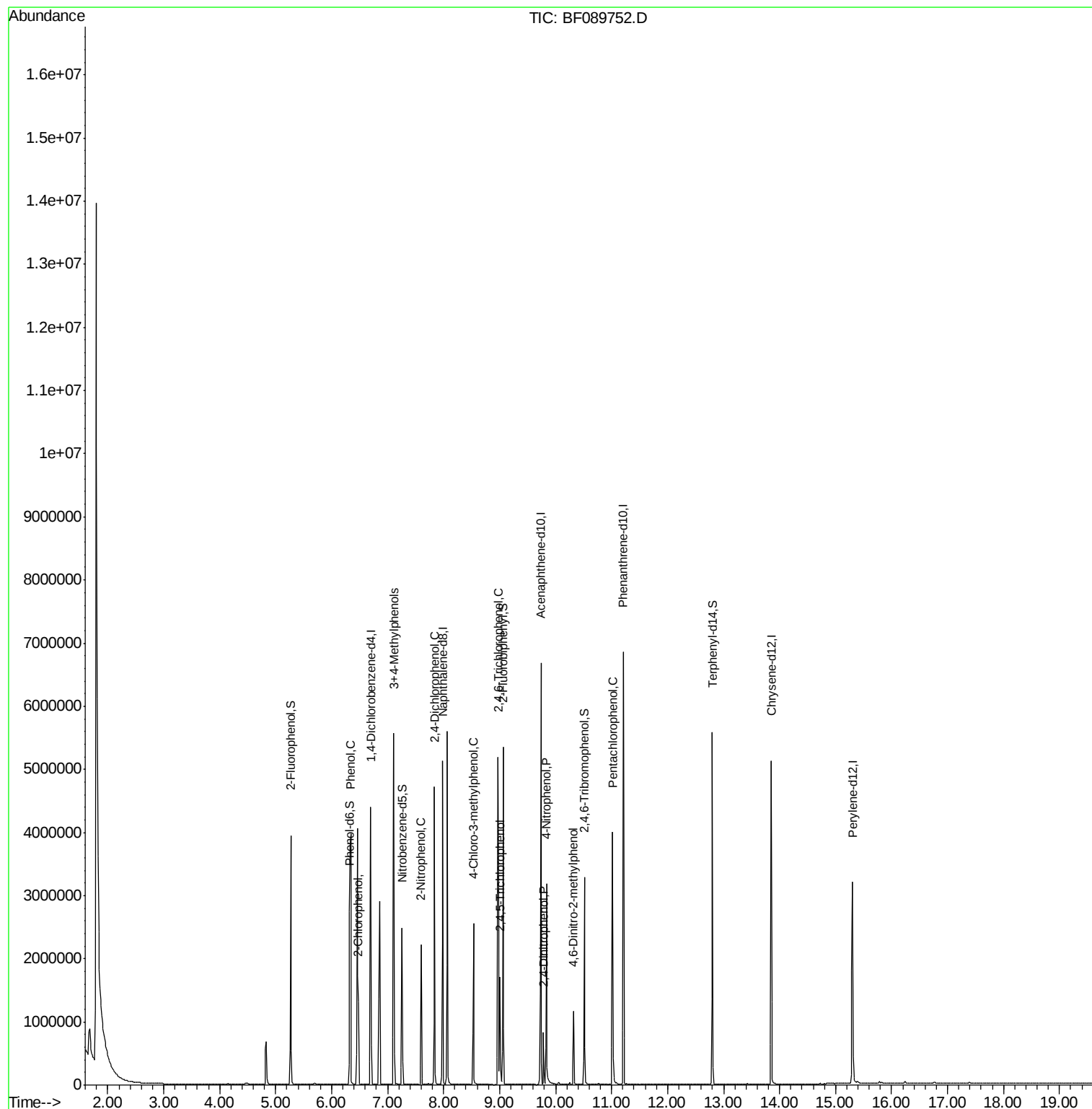
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081616\
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Sample : H4145-12DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

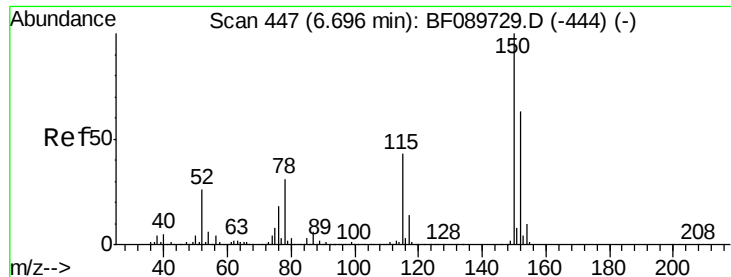
Instrument :
BNA_F
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9535DL

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Quant Time: Aug 17 14:30:16 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.70 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

BNA_F

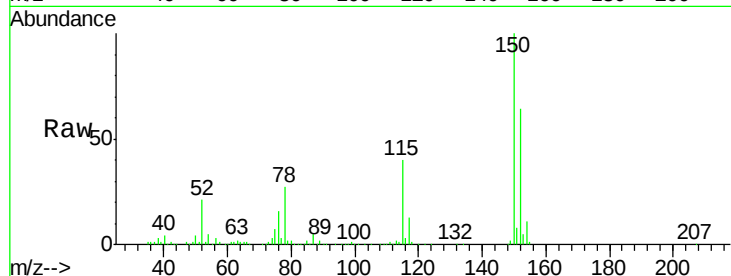
ClientSampleId :

9535DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.3	187.9
115	62.9	40.9	61.3

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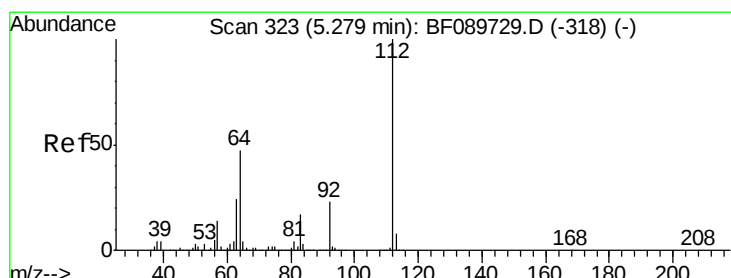
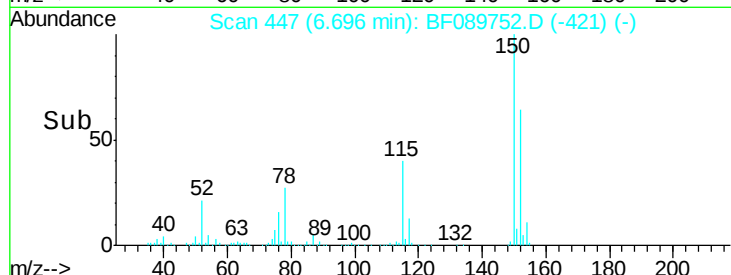
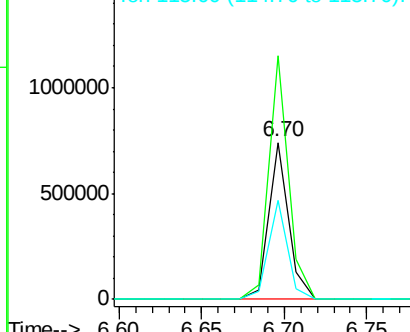


Abundance

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: 28.01 ng/mL

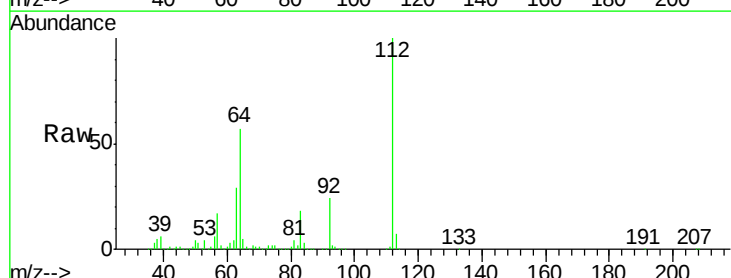
RT: 5.27 min Scan# 322

Delta R.T. -0.01 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	45.0	67.4
63	29.5	23.1	34.7

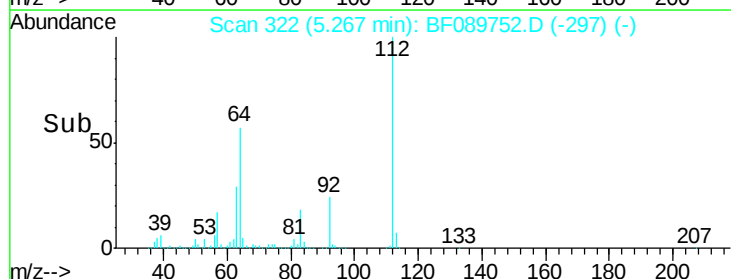
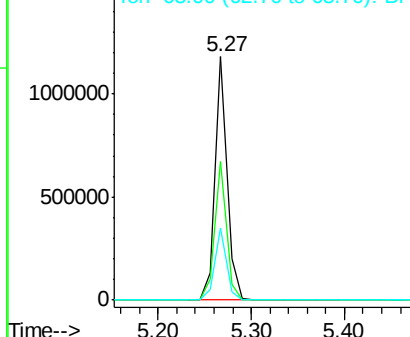


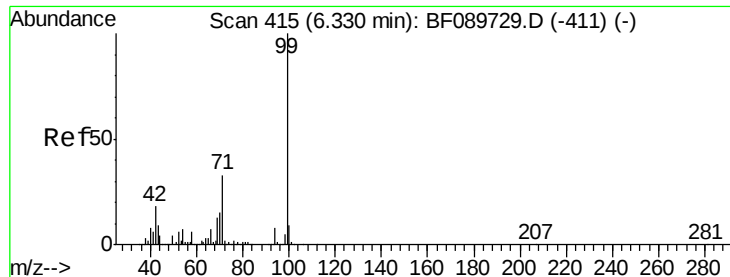
Abundance

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: 28.39 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

BNA_F

ClientSampleId :

9535DL

Tot Ion: 99 Resp: 1355823

Ion Ratio Lower Upper

99 100

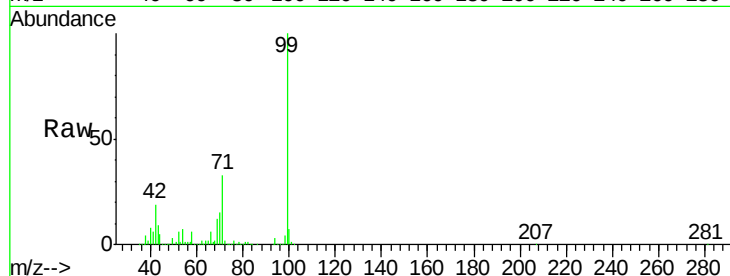
42 18.7 12.2 18.4#

71 32.9 23.8 35.8

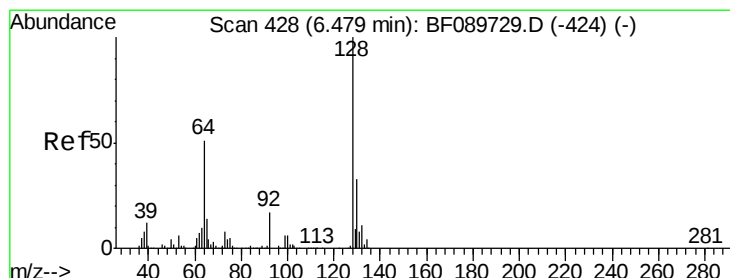
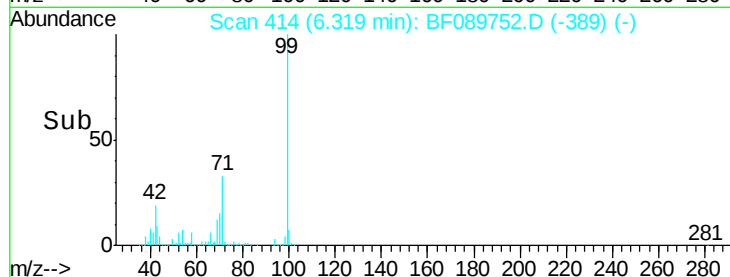
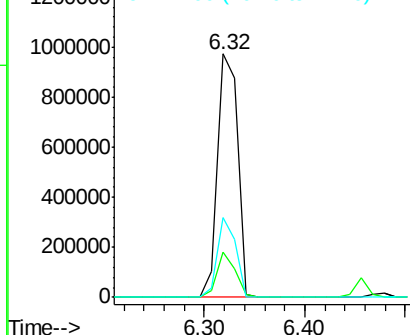
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 9.96 ng

RT: 6.48 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

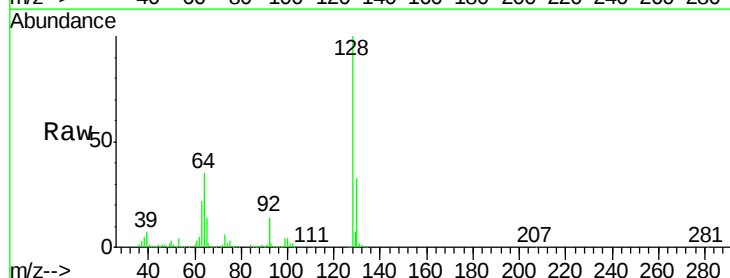
Tgt Ion: 128 Resp: 444864

Ion Ratio Lower Upper

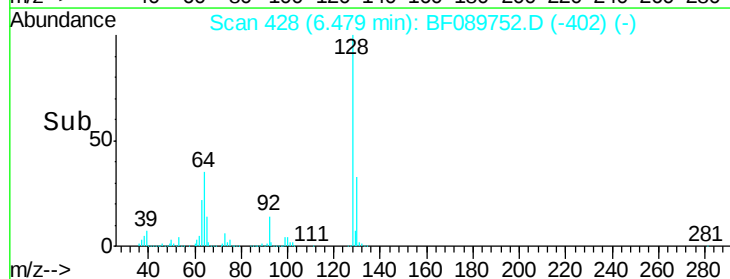
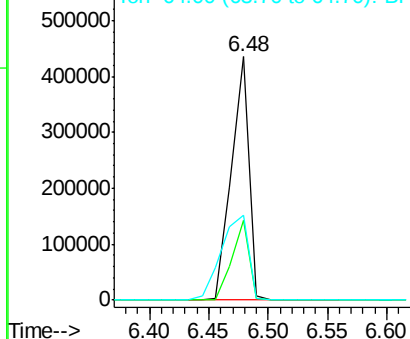
128 100

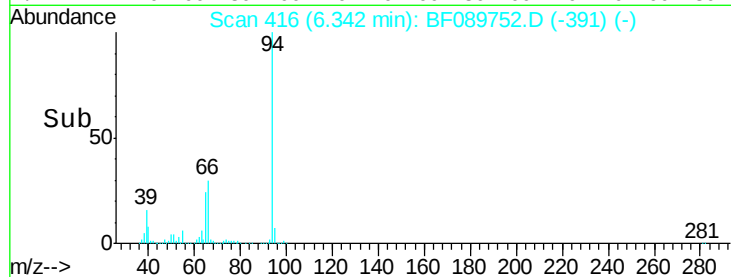
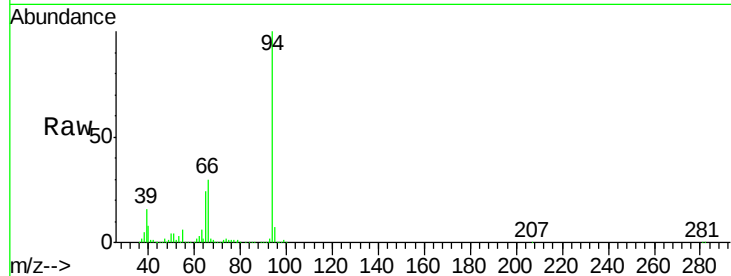
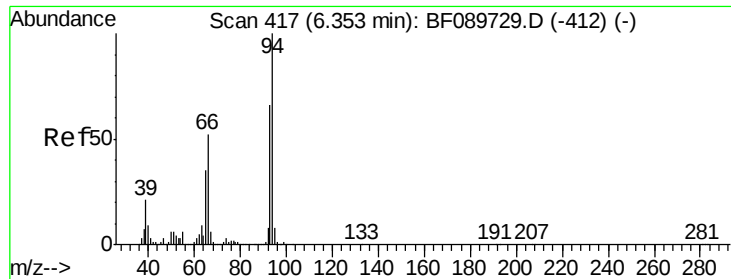
130 32.6 12.0 52.0

64 35.0 35.1 75.1#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





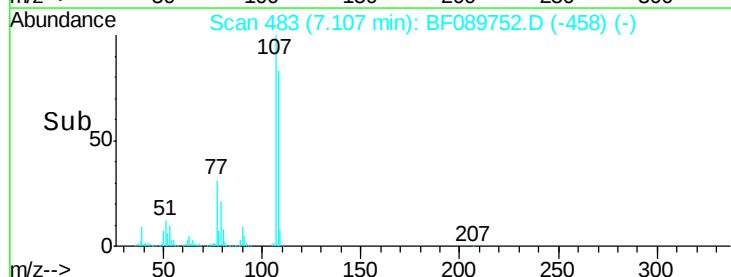
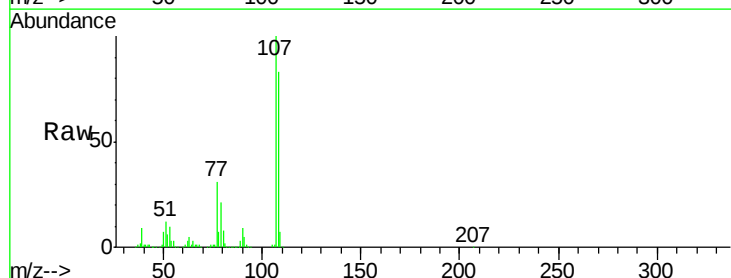
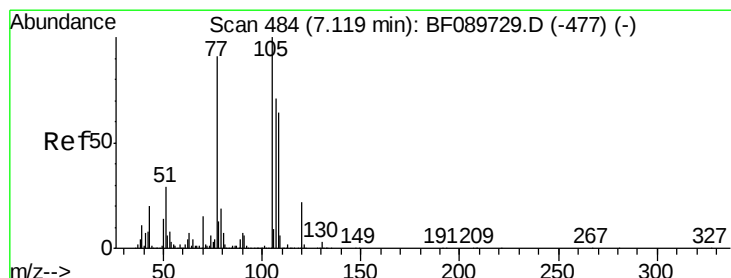
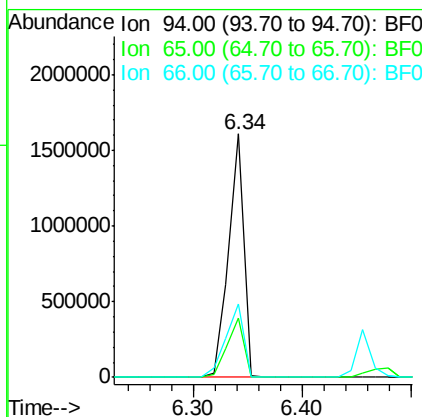
#10
Phenol
Concen: 26.27 ng
RT: 6.34 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF089752.D
Acq: 17 Aug 2016 9:33

Tot Ion: 94 Resp: 1561938
Ion Ratio Lower Upper
94 100
65 24.2 14.0 54.0
66 30.4 31.2 71.2#

Instrument :
BNA_F
ClientSampleId :
9535DL

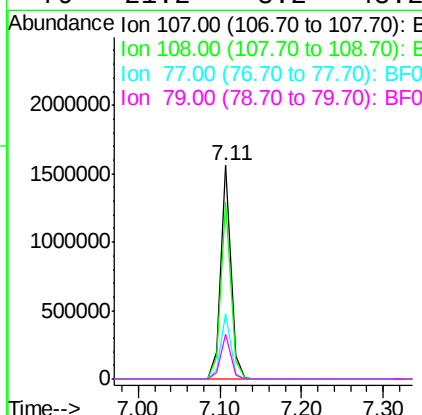
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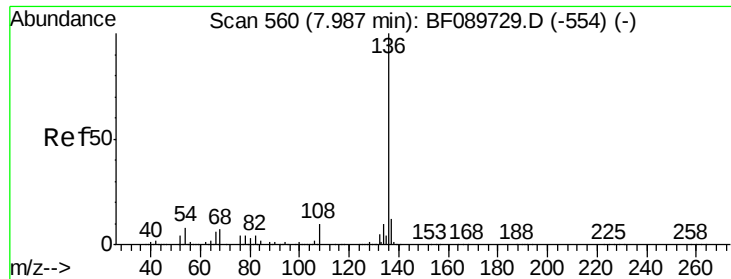
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#20
3+4-Methylphenols
Concen: 29.44 ng
RT: 7.11 min Scan# 483
Delta R.T. -0.01 min
Lab File: BF089752.D
Acq: 17 Aug 2016 9:33

Tgt Ion: 107 Resp: 1337847
Ion Ratio Lower Upper
107 100
108 82.8 68.2 108.2
77 30.5 122.3 162.3#
79 21.2 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: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

BNA_F

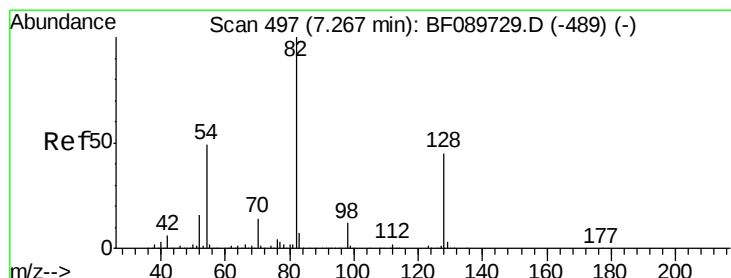
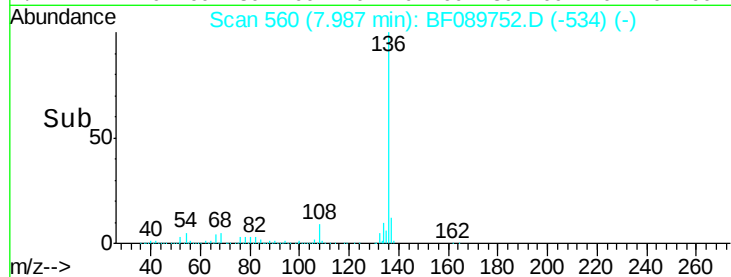
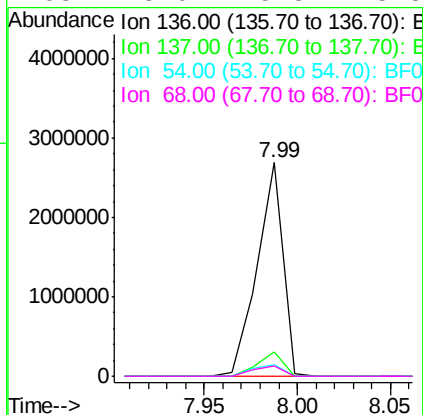
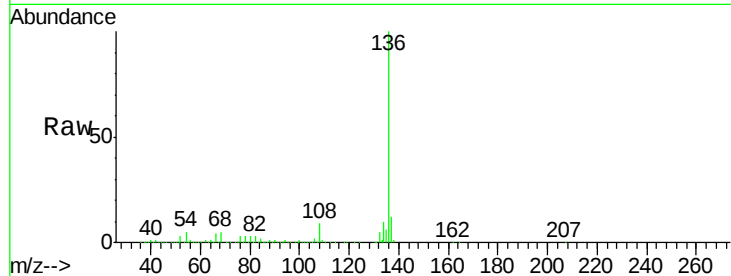
ClientSampleId :

9535DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		2604681		
137	11.5		9.2	13.8	
54	5.5		7.2	10.8	
68	5.0		5.8	8.8	

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#23

Nitrobenzene-d5

Concen: 17.67 ng

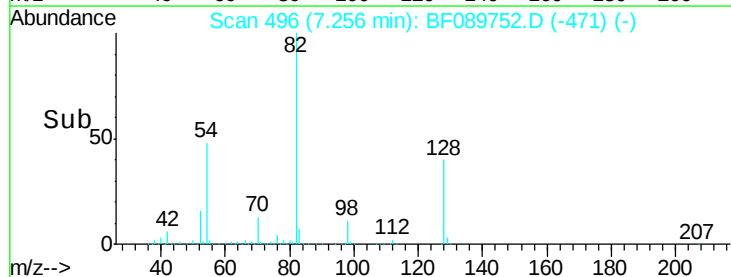
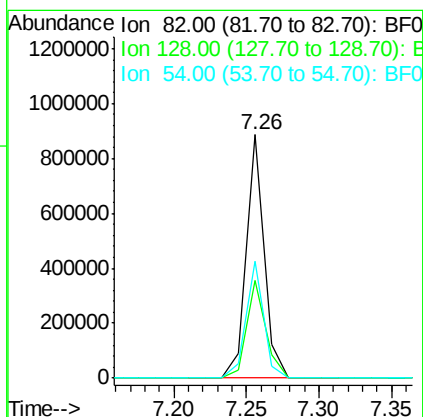
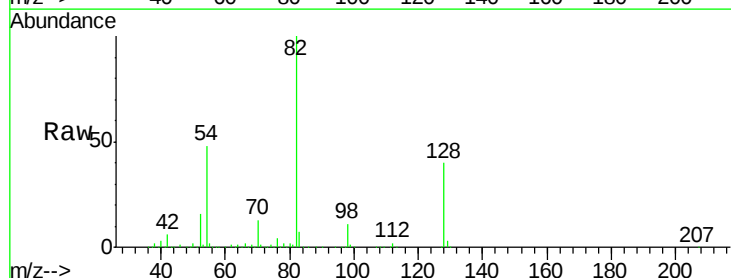
RT: 7.26 min Scan# 496

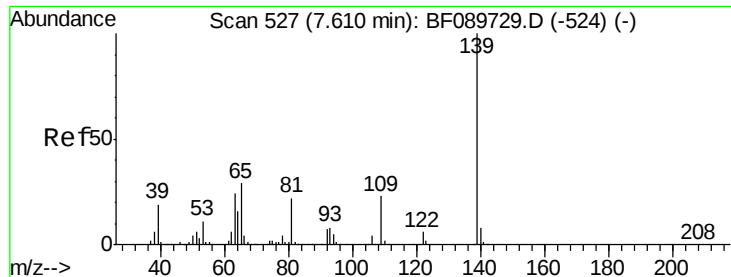
Delta R.T. -0.01 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		753890		
128	40.2		34.4	51.6	
54	48.2		40.3	60.5	





#26

2-Nitrophenol

Concen: 15.96 ng

RT: 7.60 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

BNA_F

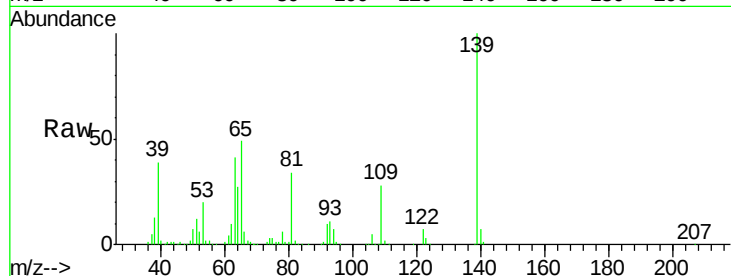
ClientSampled :

9535DL

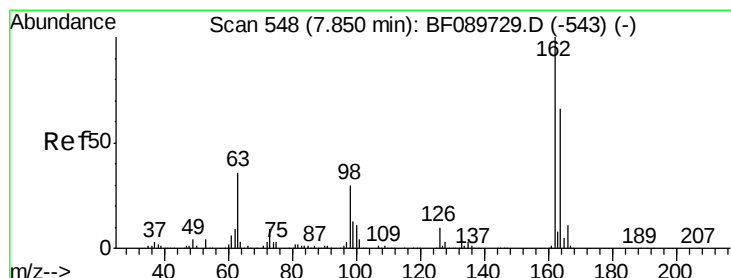
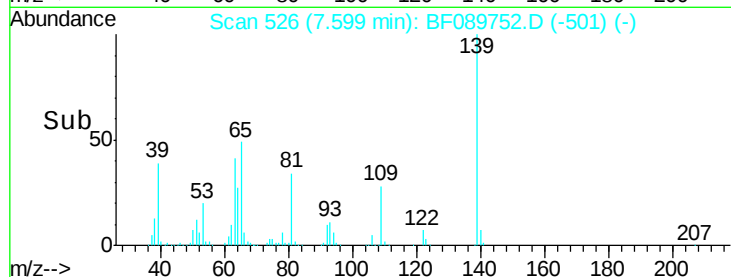
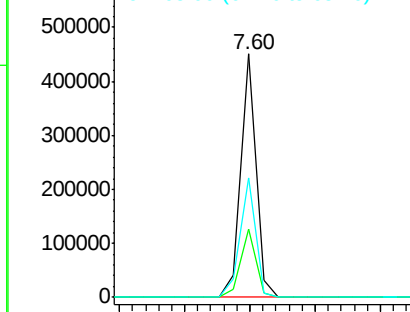
Tot Ion:	139	Resp:	360310
Ion Ratio	Lower	Upper	
139	100		
109	28.1	19.5	29.3
65	49.1	26.5	39.7

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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: 25.12 ng

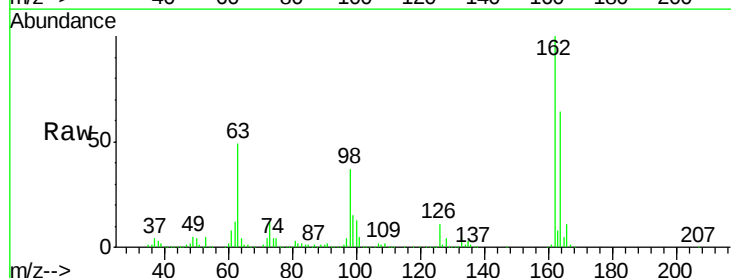
RT: 7.84 min Scan# 547

Delta R.T. -0.01 min

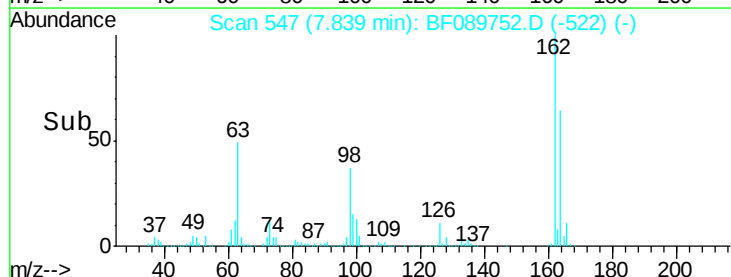
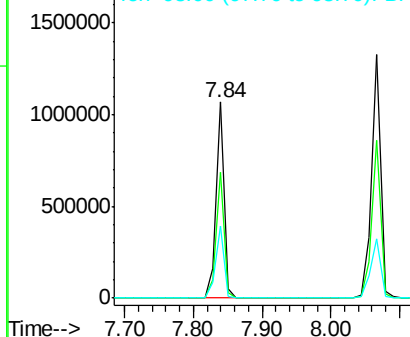
Lab File: BF089752.D

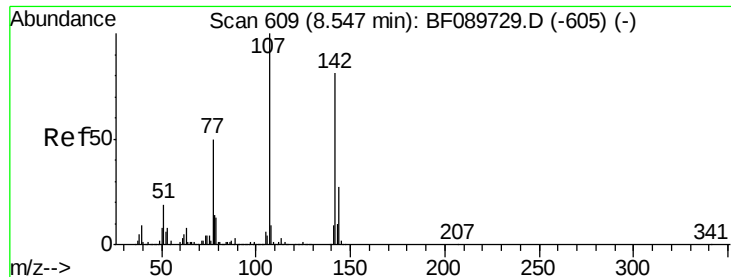
Acq: 17 Aug 2016 9:33

Tgt Ion:	162	Resp:	894953
Ion Ratio	Lower	Upper	
162	100		
164	64.0	45.5	85.5
98	36.7	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





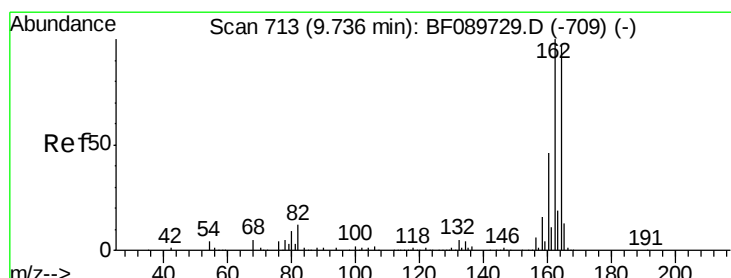
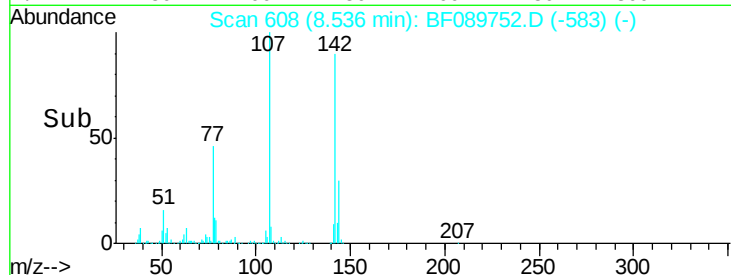
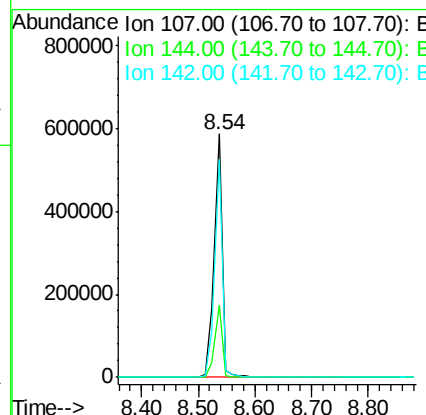
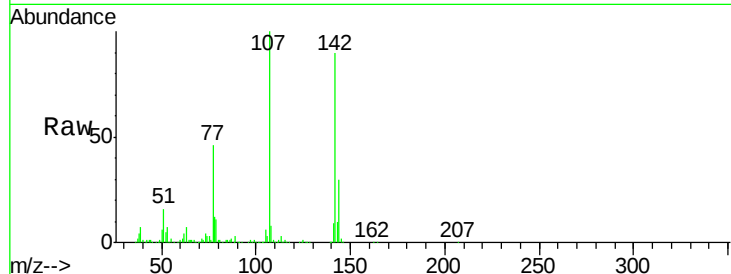
#36
 4-Chloro-3-methylphenol
 Concen: 14.08 ng
 RT: 8.54 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Instrument :
 BNA_F
 ClientSampleId :
 9535DL

Tot Ion	Ratio	Resp	Lower	Upper
107	100	545975		
144	29.5	22.6	34.0	
142	89.8	69.3	103.9	

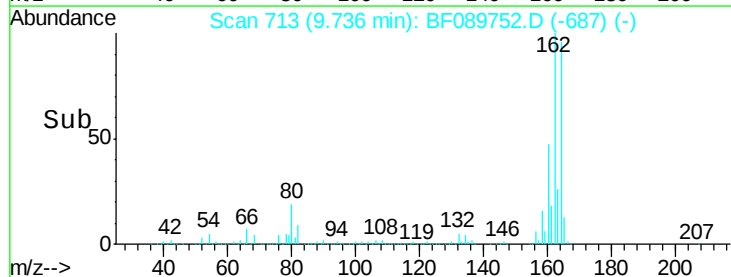
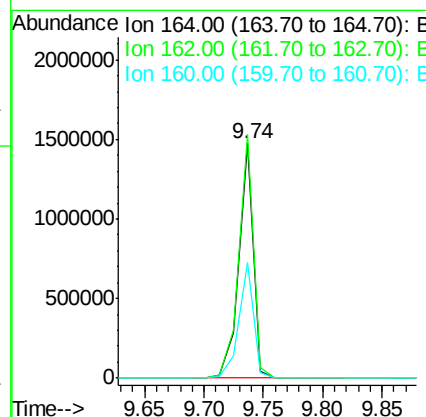
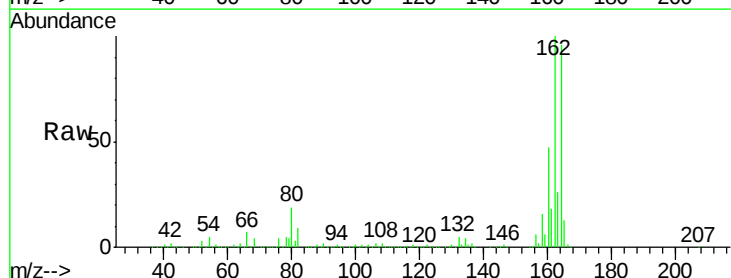
Manual Integrations
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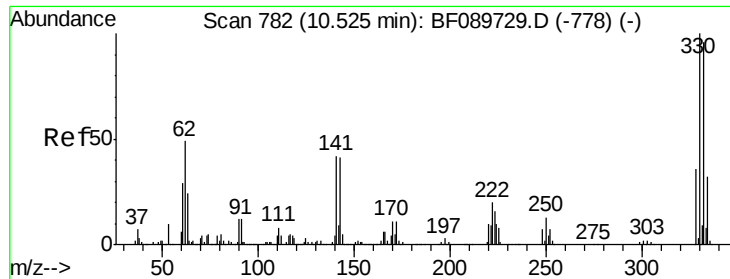
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1247513		
162	104.0	81.4	122.2	
160	49.3	37.8	56.6	





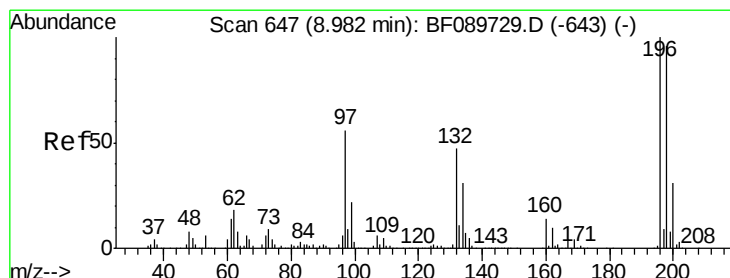
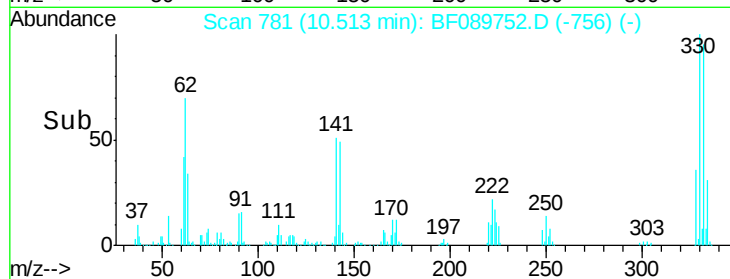
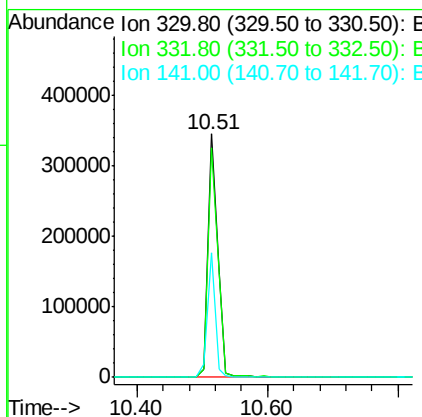
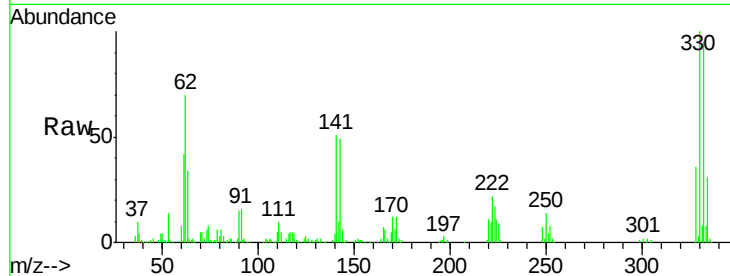
#41
 2,4,6-Tribromophenol
 Concen: 29.98 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Instrument :
 BNA_F
 ClientSampled :
 9535DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	361871		
332	96.0	76.7	115.1	
141	40.7	30.2	45.2	

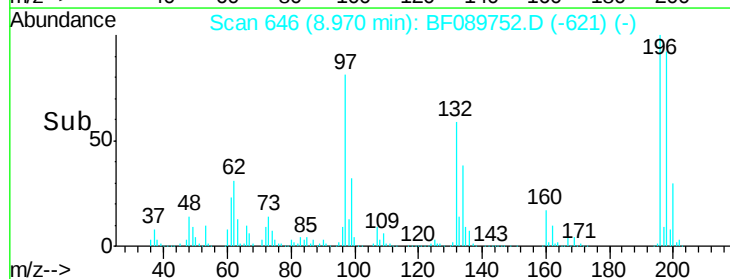
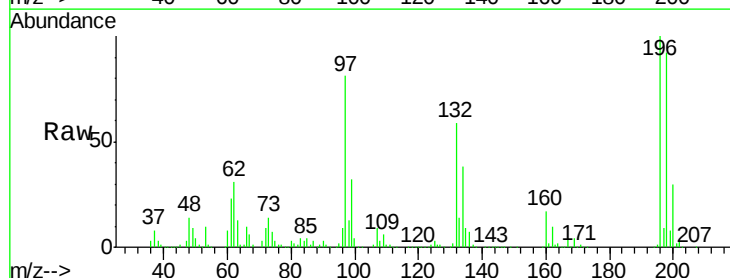
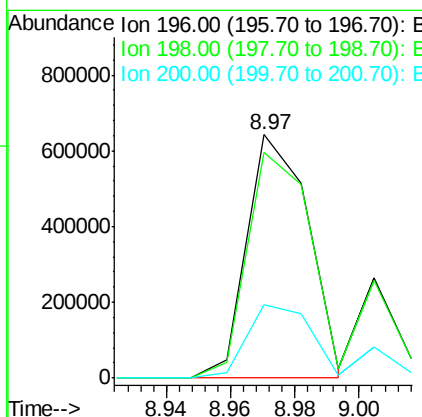
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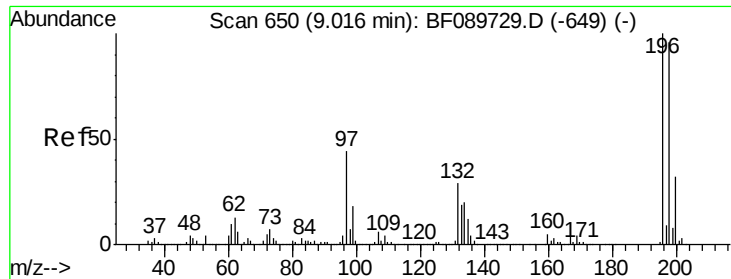
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#42
 2,4,6-Trichlorophenol
 Concen: 32.59 ng m
 RT: 8.97 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	844351		
198	92.5	76.3	114.5	
200	30.1	24.6	36.8	





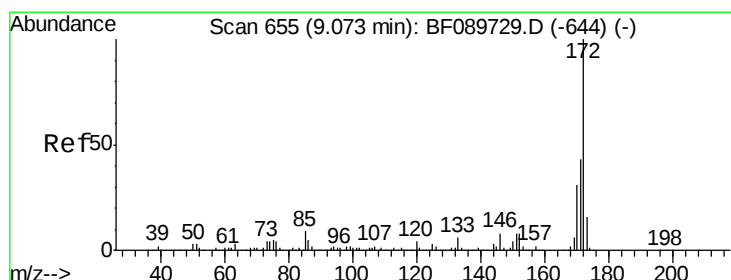
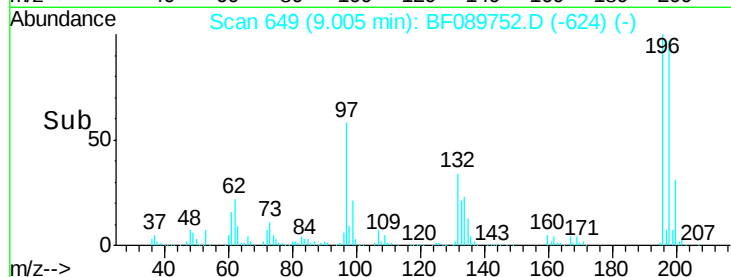
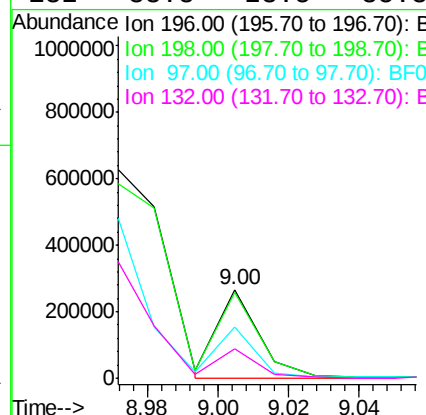
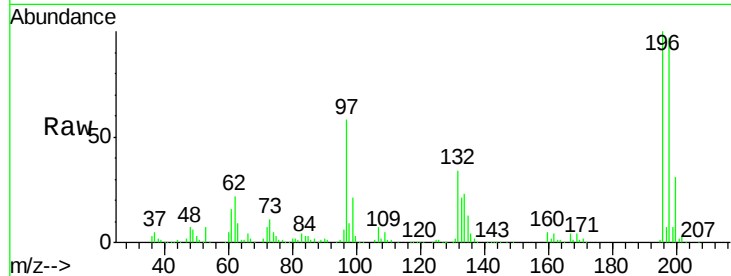
#43
 2,4,5-Trichlorophenol
 Concen: 9.16 ng/ml
 RT: 9.00 min Scan# 649
 Delta R.T. -0.01 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Instrument :
 BNA_F
 ClientSampleID :
 9535DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		226167		
198	96.5	76.6	114.8		
97	58.1	35.8	53.8		
132	33.8	23.5	35.3		

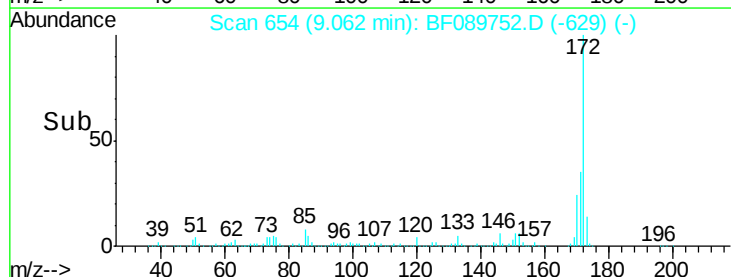
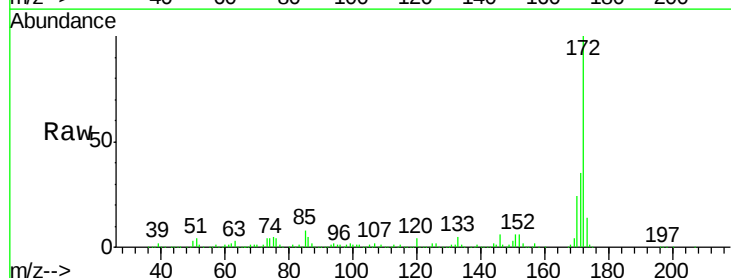
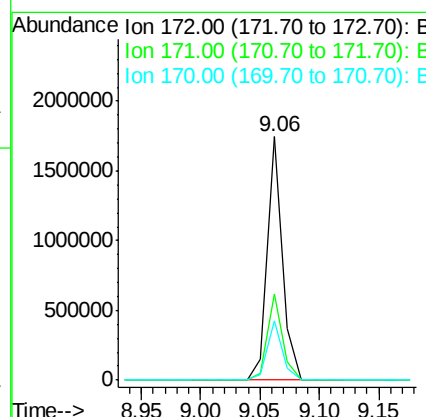
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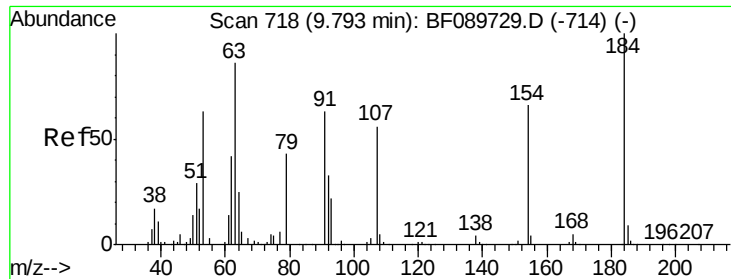
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#44
 2-Fluorobiphenyl
 Concen: 20.05 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1559012		
171	35.3	30.5	45.7		
170	24.3	20.6	31.0		





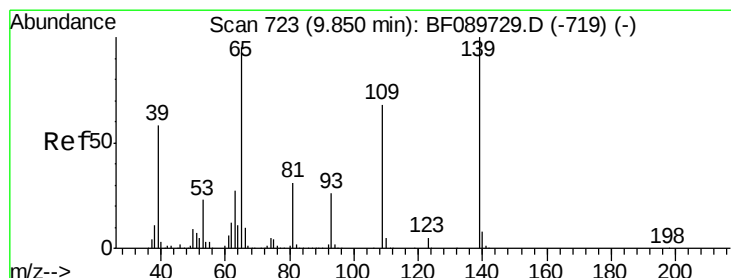
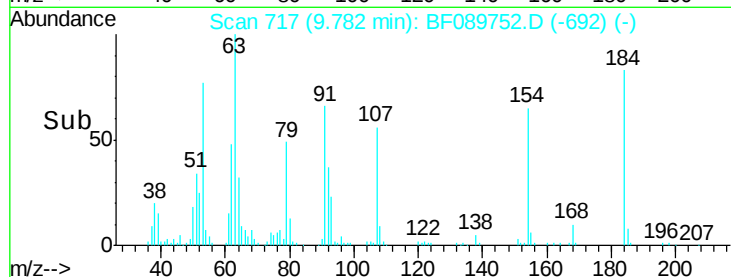
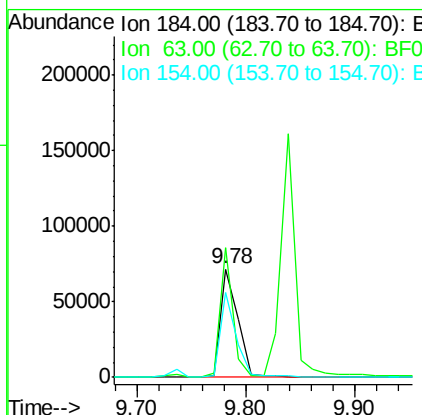
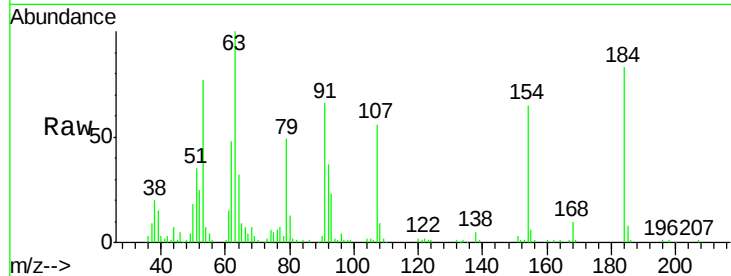
#53
 2,4-Dinitrophenol
 Concen: 10.39 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Instrument :
 BNA_F
 ClientSampled :
 9535DL

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	120.0	54.2	81.4#	
154	78.0	52.7	79.1	

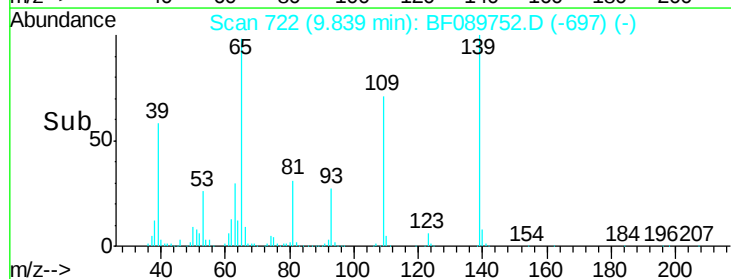
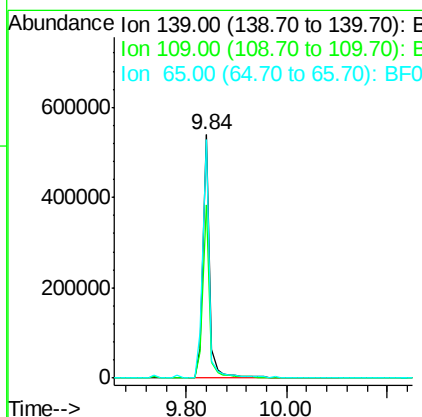
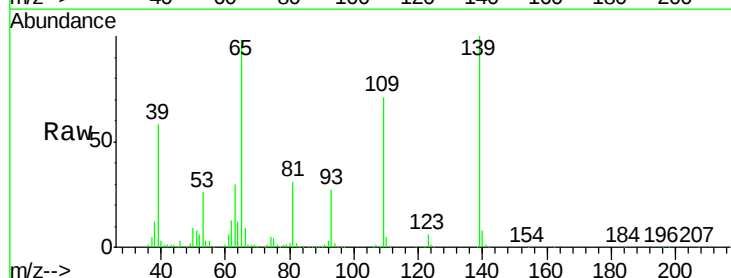
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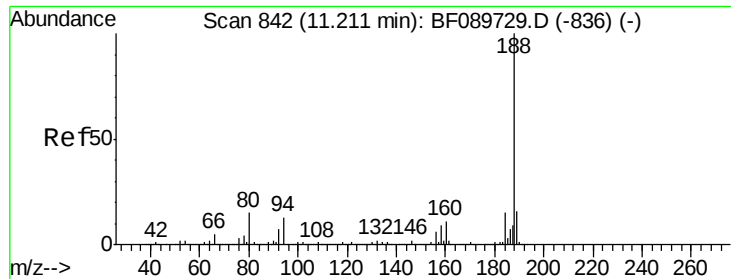
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#55
 4-Nitrophenol
 Concen: 28.12 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	71.0	43.0	83.0	
65	98.2	55.7	95.7#	





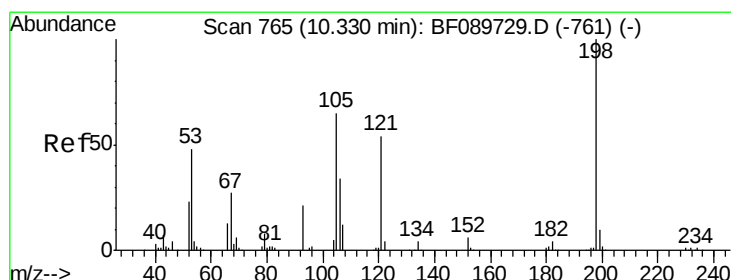
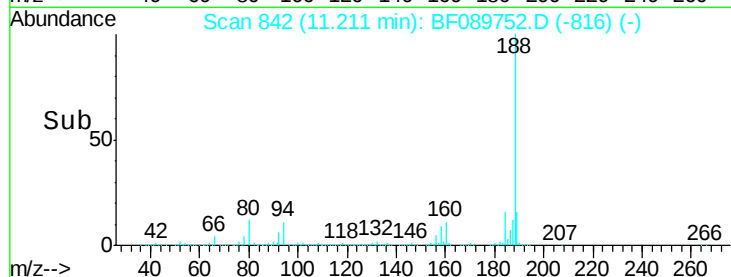
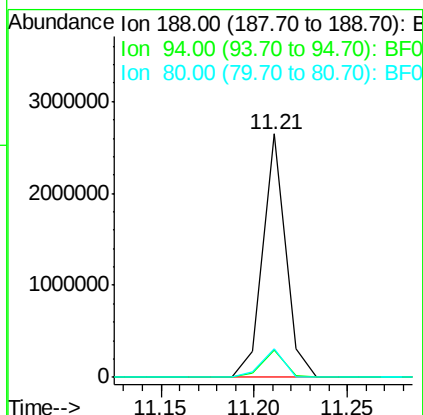
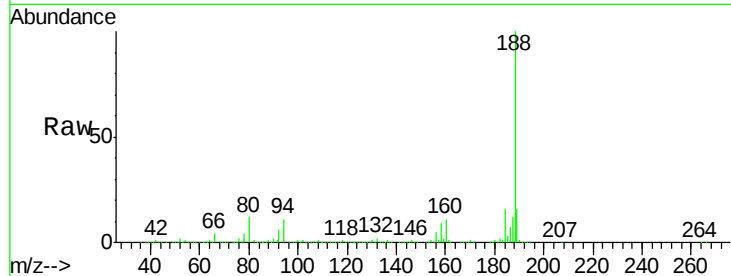
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF089752.D
Acq: 17 Aug 2016 9:33

Instrument :
BNA_F
ClientSampleId :
9535DL

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.3	10.2	15.2
80	11.9	10.9	16.3

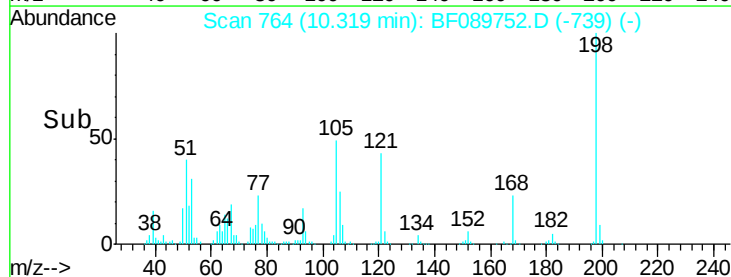
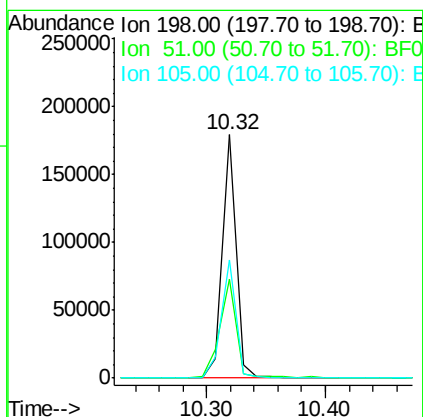
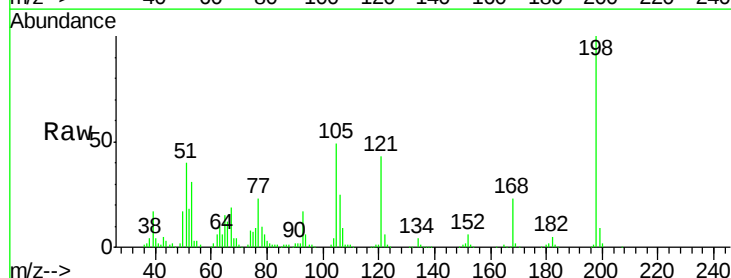
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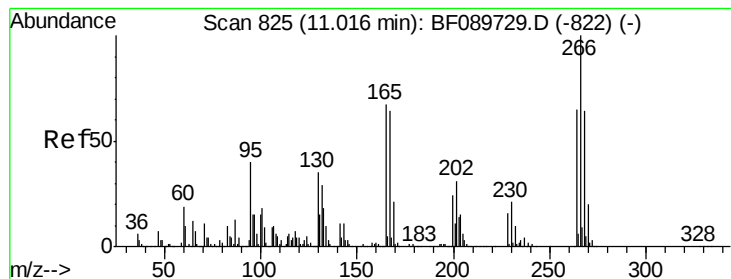
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#64
4,6-Dinitro-2-methylphenol
Concen: 10.95 ng
RT: 10.32 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF089752.D
Acq: 17 Aug 2016 9:33

Tgt Ion	Ratio	Lower	Upper
198	100		
51	40.4	32.3	72.3
105	48.8	32.9	72.9





#69

Pentachlorophenol

Concen: 26.04 ng

RT: 11.02 min Scan# 825

Delta R.T. 0.00 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

BNA_F

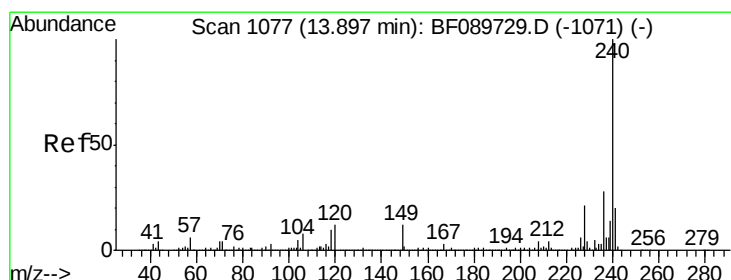
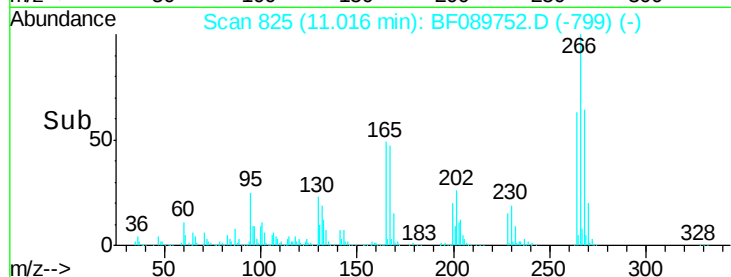
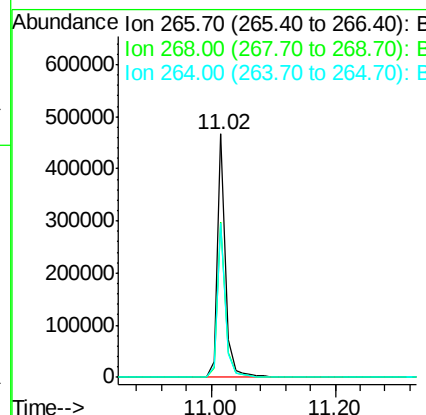
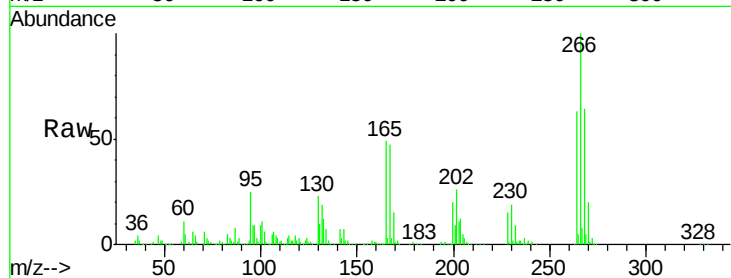
ClientSampleId :

9535DL

Tot Ion:	266	Resp:	418248
Ion Ratio		Lower	Upper
266	100		
268	63.8	53.2	79.8
264	63.3	51.1	76.7

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#75

Chrysene-d12

Concen: 20.00 ng

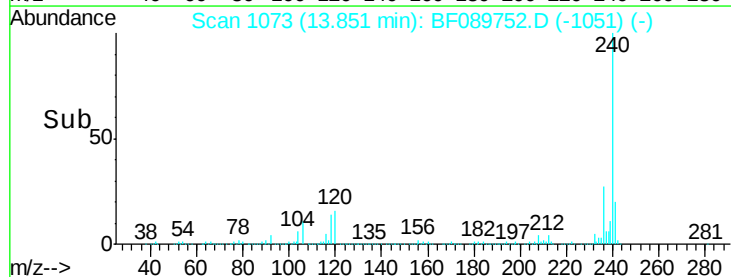
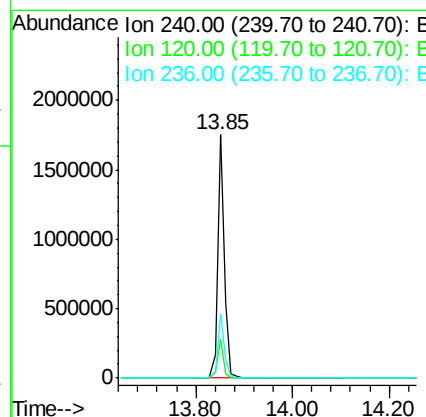
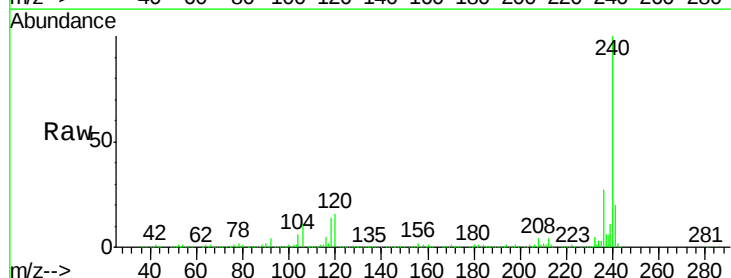
RT: 13.85 min Scan# 1073

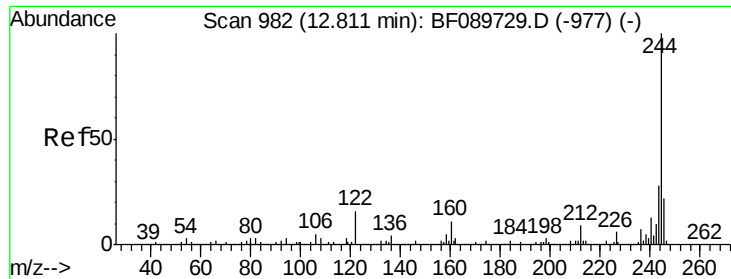
Delta R.T. -0.05 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Tgt Ion:	240	Resp:	1741435
Ion Ratio		Lower	Upper
240	100		
120	15.8	8.3	12.5#
236	26.7	21.3	31.9





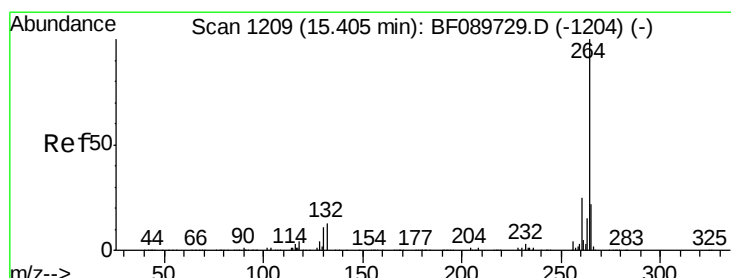
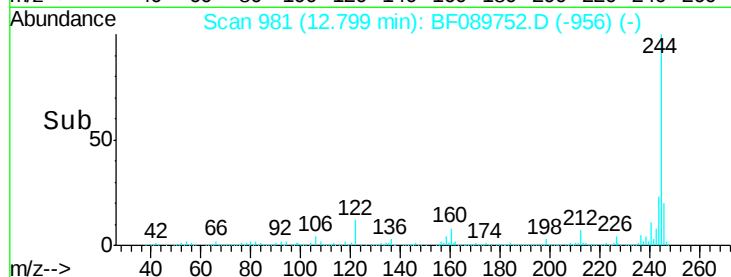
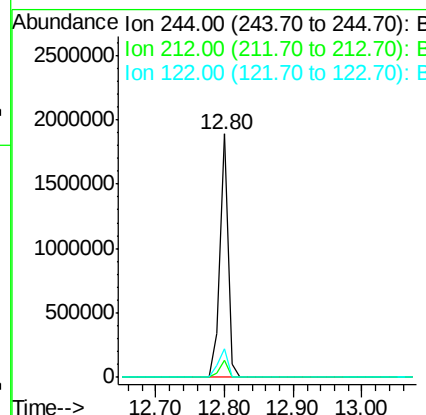
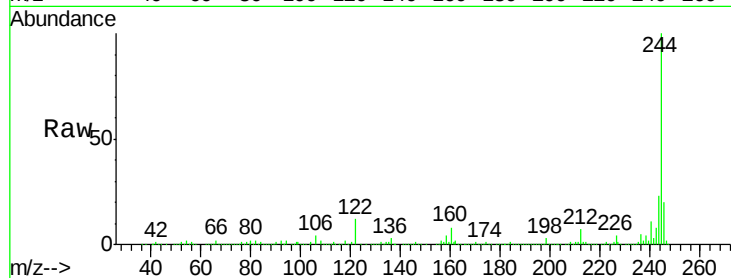
#78
 Terphenyl-d14
 Concen: 27.80 ng
 RT: 12.80 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Instrument :
 BNA_F
 ClientSampled :
 9535DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.3	9.5
122	12.0	12.0	18.0

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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1200
 Delta R.T. -0.10 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.2	30.2
265	22.2	17.4	26.2

