

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020315\
 Data File : BM000416.D
 Acq On : 03 Feb 2015 14:29
 Operator : TP/IZ
 Sample : G1147-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC020

Quant Time: Feb 03 15:33:46 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM020315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 03 12:57:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	162591	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	727779	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	492091	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	1225166	20.00	ng/ul	0.00
75) Chrysene-d12	21.34	240	1229459	20.00	ng/ul	0.00
83) Perylene-d12	23.59	264	1000695	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	29475	11.01	ng/uL	0.00
5) Phenol-d5	6.92	99	793263	67.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	489242	70.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	657100	68.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	701434	69.75	ng/ul	0.00
19) Nitrobenzene-d5	8.91	128	345492	76.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	398425	76.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	797706	69.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.68	131	1021496	95.73	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	2745405	75.26	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	3248614	69.38	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	436697	70.91	ng/ul	0.00
57) Fluorene-d10	15.40	176	2473266	69.43	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	483853	72.27	ng/ul	0.00
70) Anthracene-d10	17.24	188	4010511	71.12	ng/ul	0.00
76) Pyrene-d10	19.54	212	4514367	73.01	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.46	264	3418302	74.31	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.95	94	226435	19.00	ng/ul	96
10) 2-Chlorophenol	7.32	128	187681	19.17	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.29	45	540448	28.17	ng/ul	98
17) Hexachloroethane	8.82	117	85190	19.04	ng/ul	97
27) 2,4-Dichlorophenol	10.19	162	220402	19.57	ng/ul	91
28) Naphthalene	10.59	128	688708	18.99	ng/ul	98
31) Hexachlorobutadiene	10.88	225	236762	27.03	ng/ul	98
45) 2,6-Dinitrotoluene	13.98	165	210743	29.86	ng/ul	98
49) Acenaphthene	14.46	153	610028	19.18	ng/ul	96
54) 2,4-Dinitrotoluene	14.77	165	328772	30.01	ng/ul	99
56) Diethylphthalate	15.22	149	1028784	24.69	ng/ul	98
58) Fluorene	15.45	166	762529	19.33	ng/ul	96
66) Hexachlorobenzene	16.46	284	326583	22.63	ng/ul	97
68) Pentachlorophenol	16.80	266	315617	39.04	ng/ul	97
71) Anthracene	17.28	178	1135806	17.00	ng/ul	99
77) Pyrene	19.57	202	1623686	19.96	ng/ul	100
78) Butylbenzylphthalate	20.47	149	1284161	44.95	ng/ul	100
80) Benzo(a)anthracene	21.32	228	1388882	19.55	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.25	149	1419859	35.51	ng/ul	99
82) Chrysene	21.37	228	1367761	20.20	ng/ul	97
85) Benzo(b)fluoranthene	22.91	252	2102127	33.40	ng/ul	99
86) Benzo(k)fluoranthene	22.96	252	1163732	19.34	ng/ul	98
88) Benzo(a)pyrene	23.50	252	1073477	18.87	ng/ul	99

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 03 12:57:43 2015
Response via : Initial Calibration

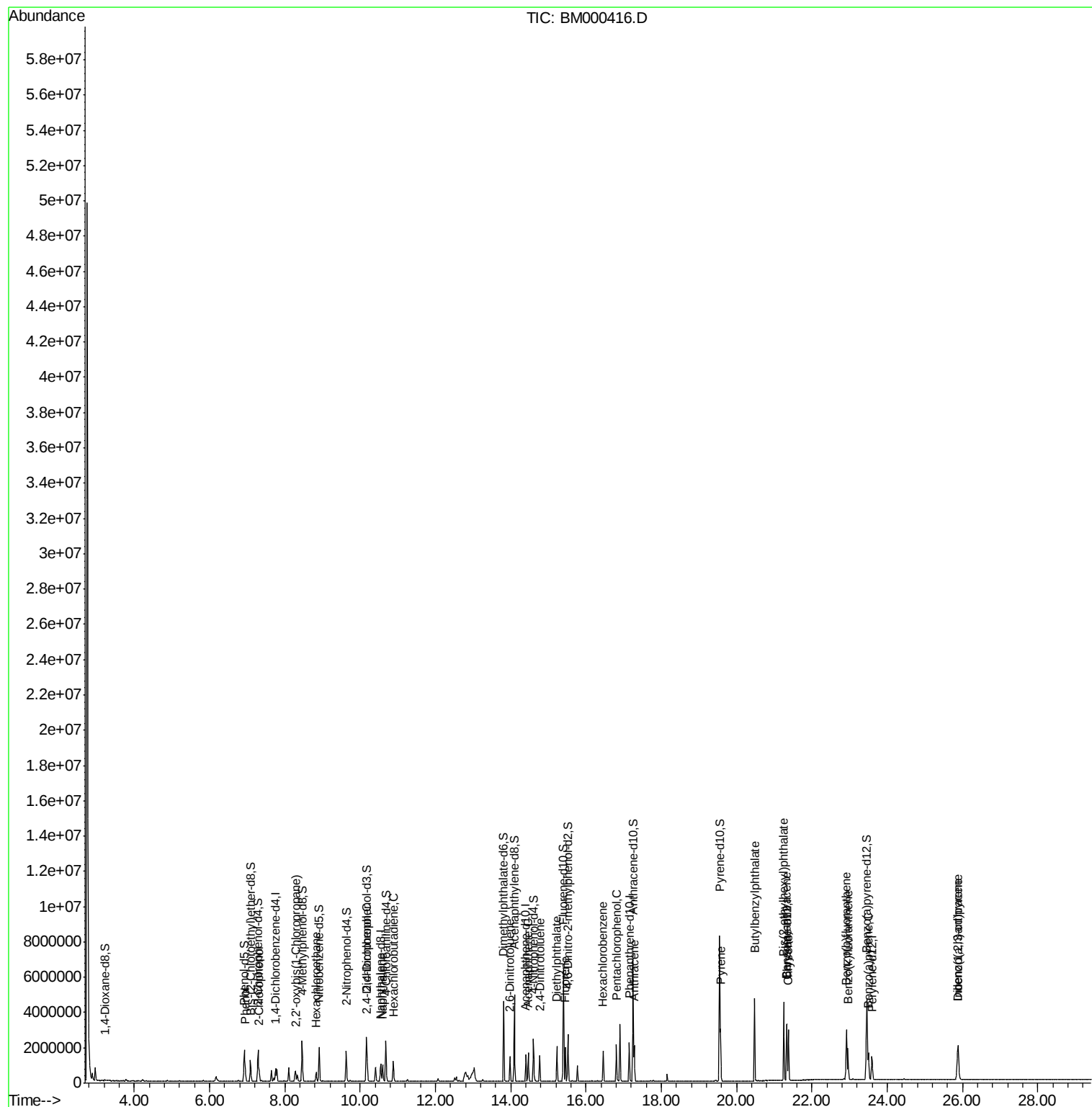
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	25.87	276	1559666	27.73	ng/ul	99
90) Dibenzo(a,h)anthracene	25.88	278	1132702	24.01	ng/ul	99

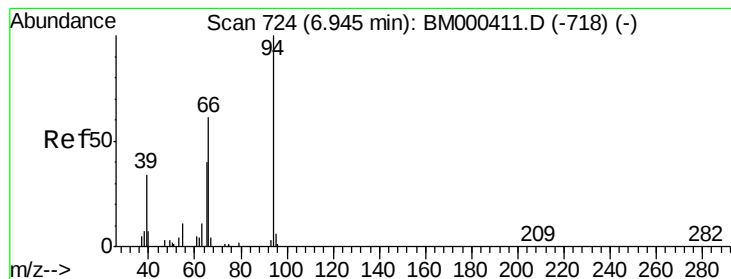
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 19.00 ng/ul

RT: 6.95 min Scan# 725

Delta R.T. 0.01 min

Lab File: BM000416.D

Acq: 03 Feb 2015 14:29

Instrument :

BNA_M

LabSampleId :

SSTDCCC020

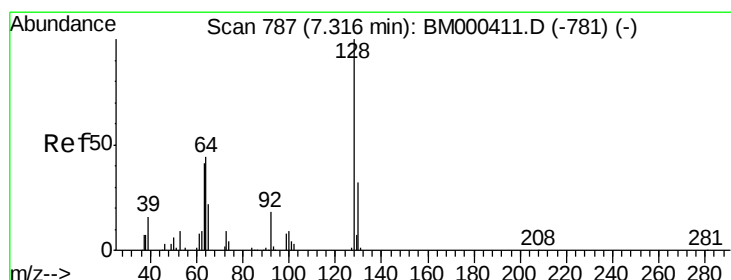
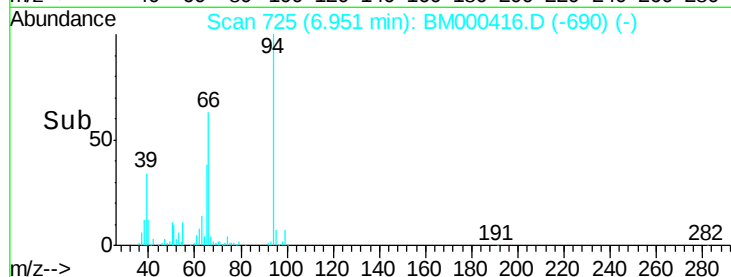
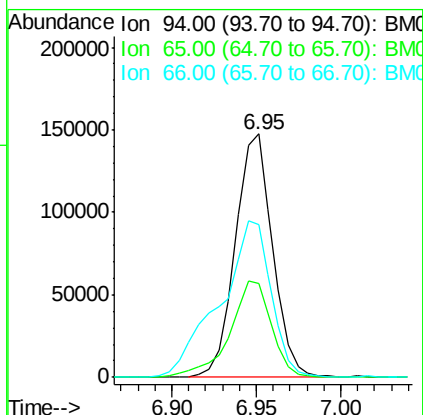
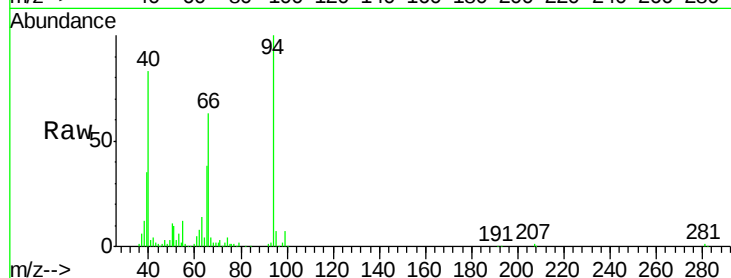
Tgt Ion: 94 Resp: 226435

Ion Ratio Lower Upper

94 100

65 38.4 32.2 48.4

66 62.7 53.4 80.0



#10

2-Chlorophenol

Concen: 19.17 ng/ul

RT: 7.32 min Scan# 787

Delta R.T. -0.00 min

Lab File: BM000416.D

Acq: 03 Feb 2015 14:29

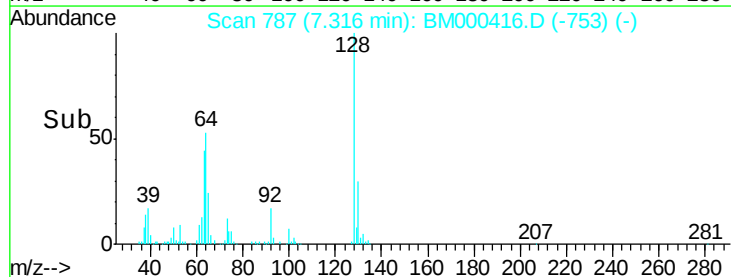
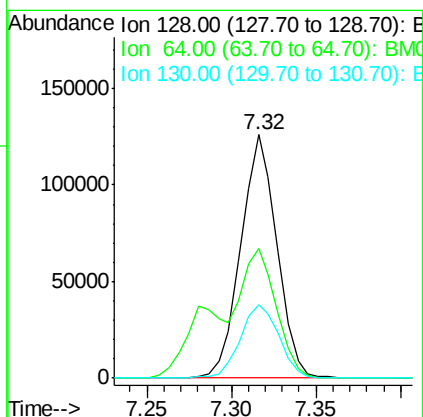
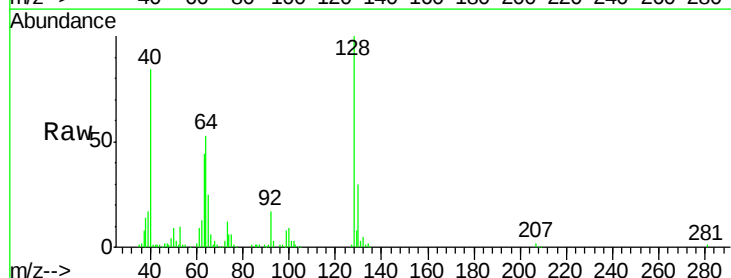
Tgt Ion: 128 Resp: 187681

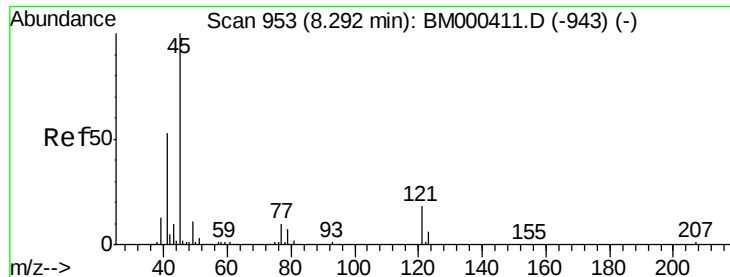
Ion Ratio Lower Upper

128 100

64 53.5 42.2 63.2

130 30.1 25.8 38.6

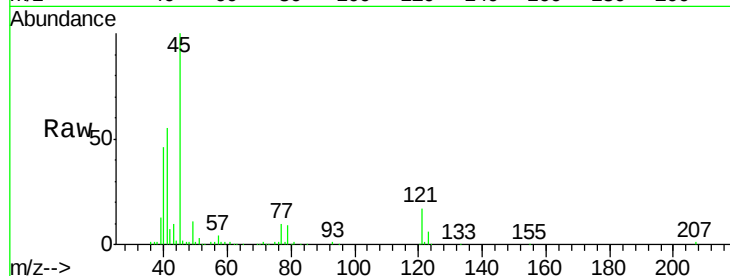




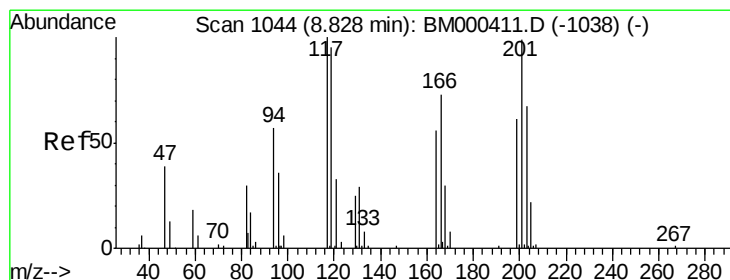
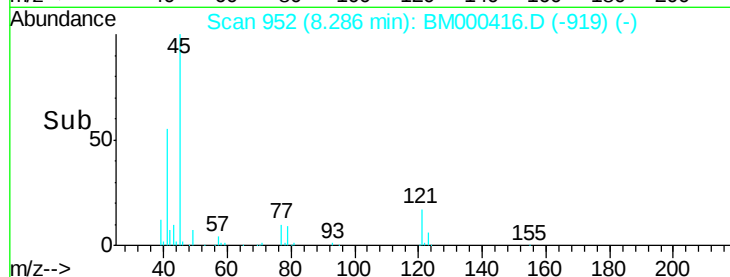
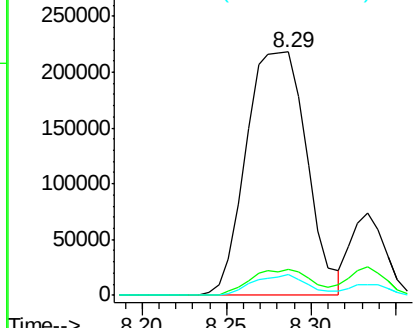
#12
2,2'-oxybis(1-chloropropane)
Concen: 28.17 ng/ul
RT: 8.29 min Scan# 952
Delta R.T. -0.01 min
Lab File: BM000416.D
Acq: 03 Feb 2015 14:29

Instrument :
BNA_M
LabSampleId :
SSTDCCC020

Tgt Ion: 45 Resp: 540448
Ion Ratio Lower Upper
45 100
77 10.4 8.0 12.0
79 8.5 6.1 9.1

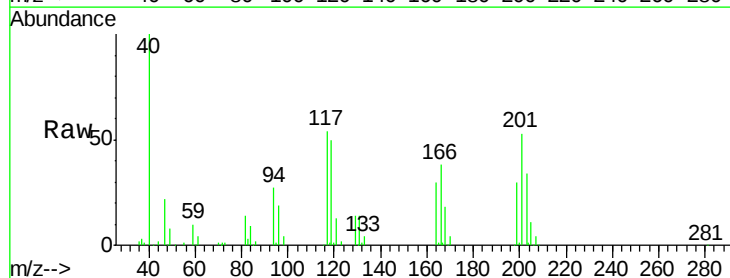


Abundance Ion 45.00 (44.70 to 45.70): BM000411.D (-943) (-)
Ion 77.00 (76.70 to 77.70): BM000411.D (-943) (-)
Ion 79.00 (78.70 to 79.70): BM000411.D (-943) (-)

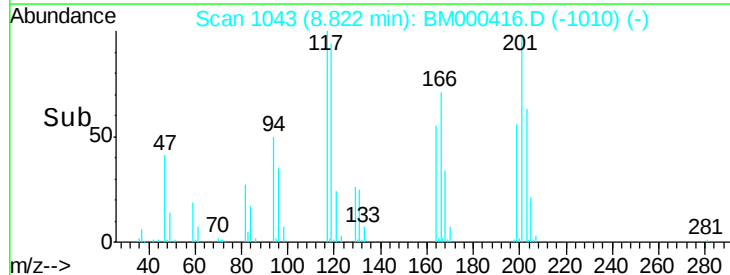
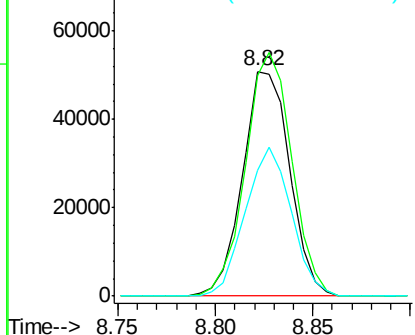


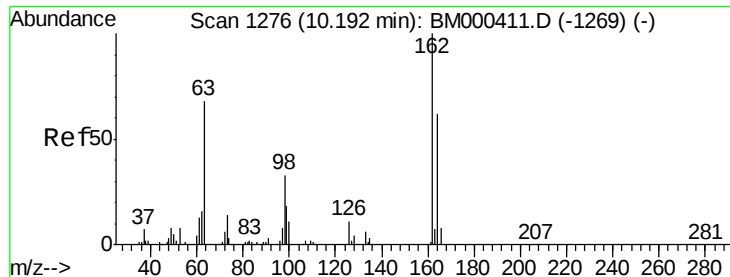
#17
Hexachloroethane
Concen: 19.04 ng/ul
RT: 8.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BM000416.D
Acq: 03 Feb 2015 14:29

Tgt Ion: 117 Resp: 85190
Ion Ratio Lower Upper
117 100
201 98.4 79.1 118.7
199 55.8 48.7 73.1



Abundance Ion 117.00 (116.70 to 117.70): BM000411.D (-1038) (-)
Ion 201.00 (200.70 to 201.70): BM000411.D (-1038) (-)
Ion 199.00 (198.70 to 199.70): BM000411.D (-1038) (-)

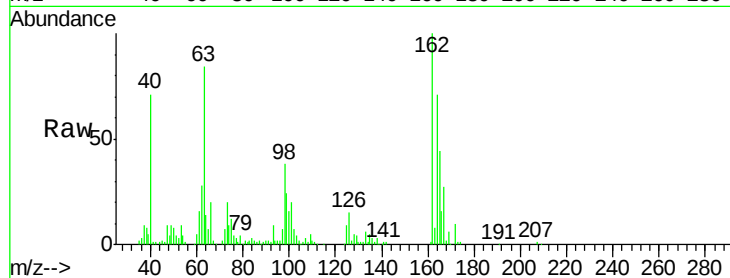




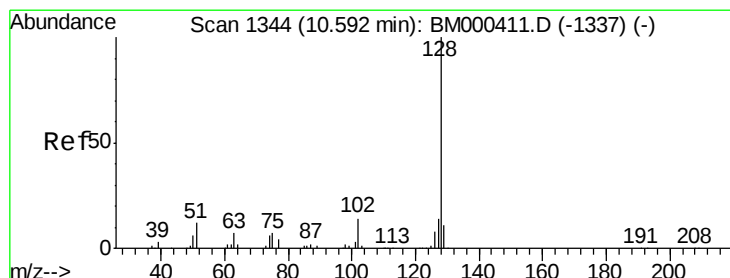
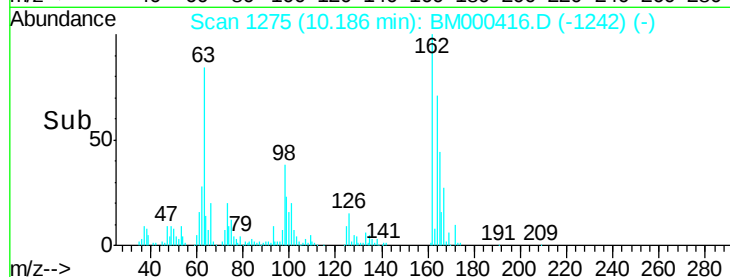
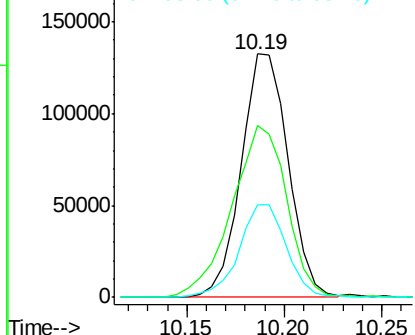
#27
2,4-Dichlorophenol
Concen: 19.57 ng/ul
RT: 10.19 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BM000416.D
Acq: 03 Feb 2015 14:29

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Tgt Ion	Ratio	Lower	Upper
162	100		
164	70.9	50.6	75.8
98	38.0	26.7	40.1

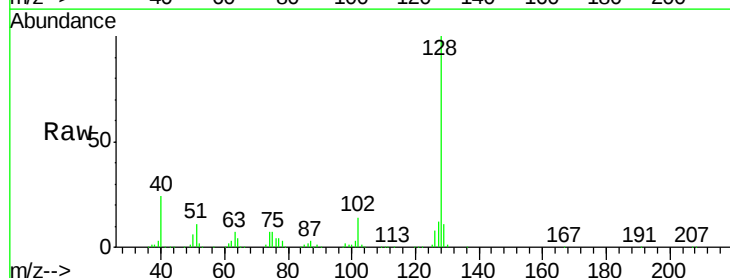


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BM

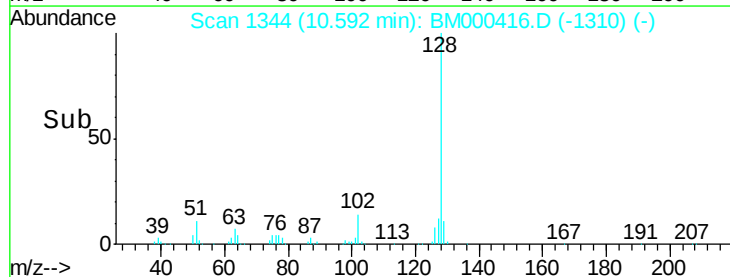
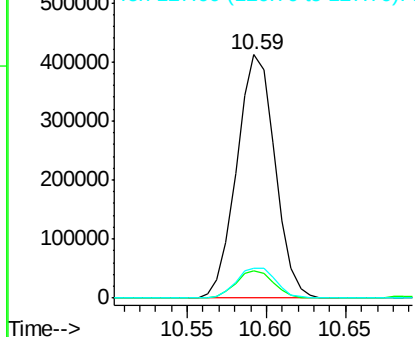


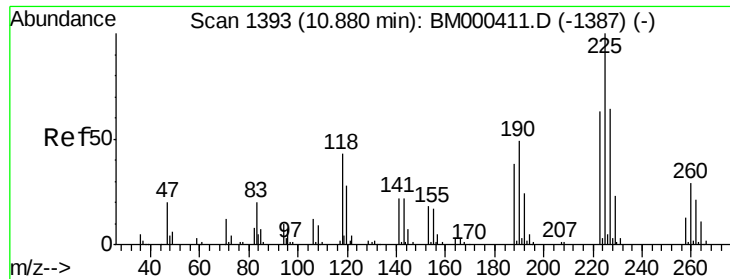
#28
Naphthalene
Concen: 18.99 ng/ul
RT: 10.59 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BM000416.D
Acq: 03 Feb 2015 14:29

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.9	13.3
127	12.5	11.0	16.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#31

Hexachlorobutadiene

Concen: 27.03 ng/ul

RT: 10.88 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BM000416.D

Acq: 03 Feb 2015 14:29

Instrument :

BNA_M

LabSampleId :

SSTDCCC020

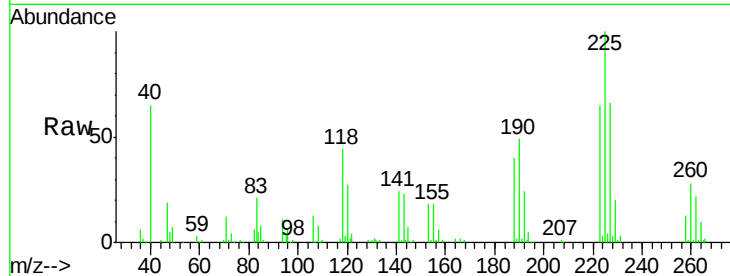
Tgt Ion:225 Resp: 236762

Ion Ratio Lower Upper

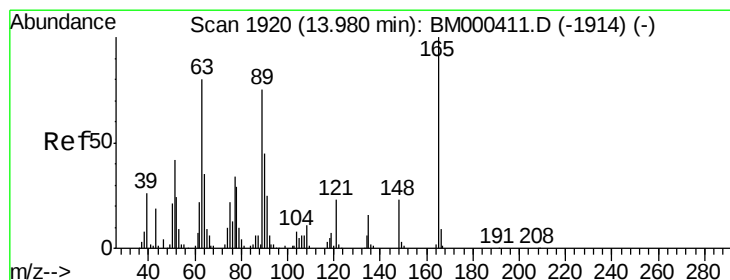
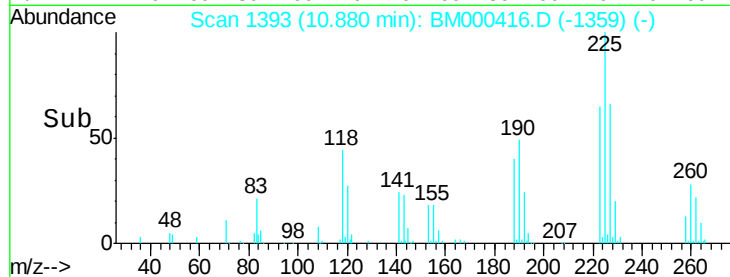
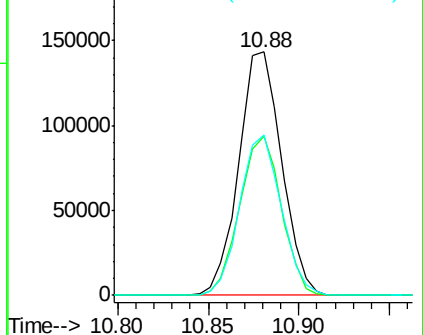
225 100

223 65.2 50.8 76.2

227 65.9 51.8 77.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



#45

2,6-Dinitrotoluene

Concen: 29.86 ng/ul

RT: 13.98 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM000416.D

Acq: 03 Feb 2015 14:29

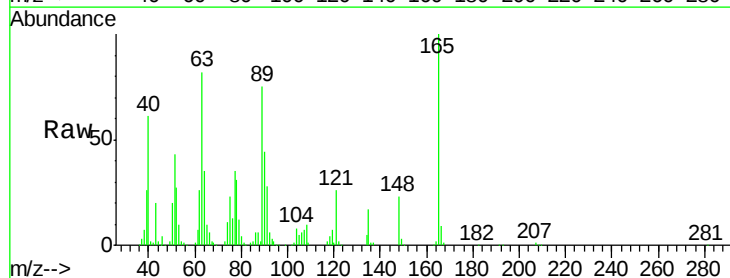
Tgt Ion:165 Resp: 210743

Ion Ratio Lower Upper

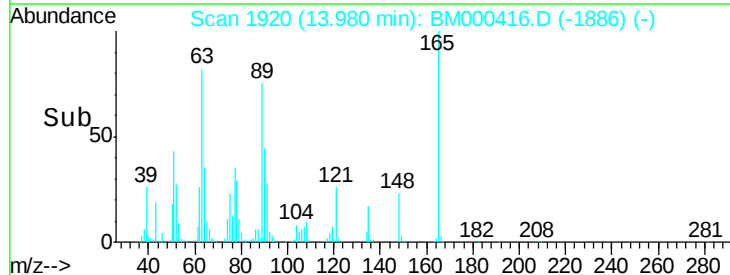
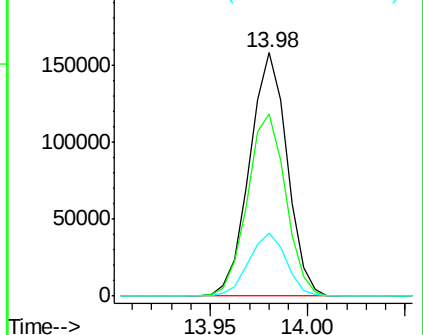
165 100

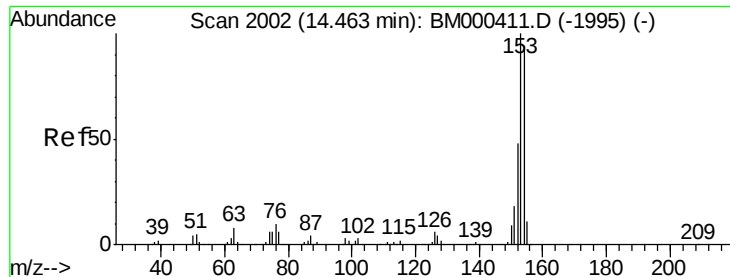
89 74.6 60.4 90.6

121 26.1 18.2 27.4



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): E
Ion 121.00 (120.70 to 121.70): E





#49

Acenaphthene

Concen: 19.18 ng/ul

RT: 14.46 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BM000416.D

Acq: 03 Feb 2015 14:29

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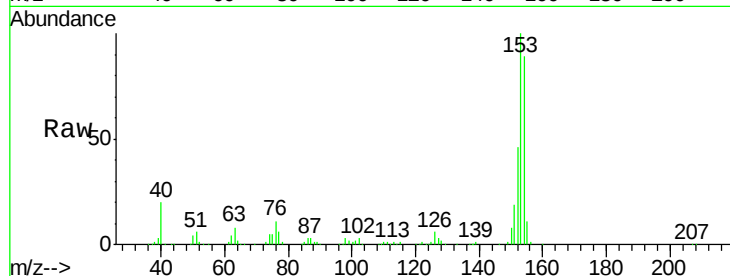
Tgt Ion:153 Resp: 610028

Ion Ratio Lower Upper

153 100

152 46.2 38.6 58.0

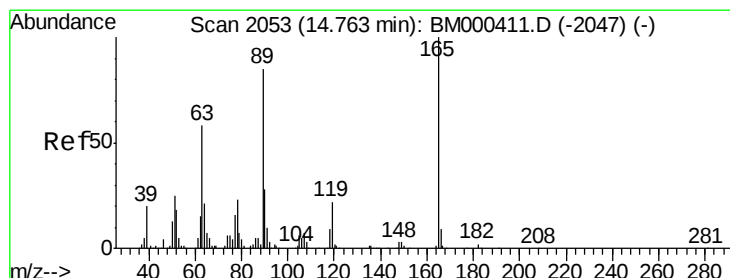
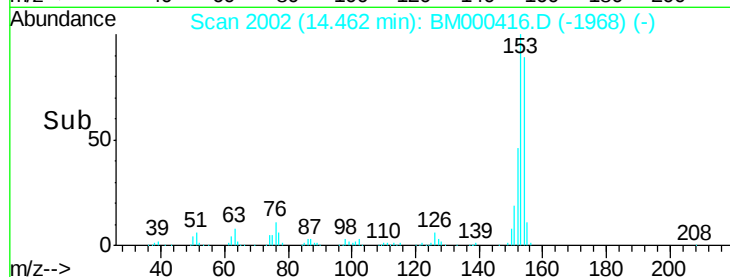
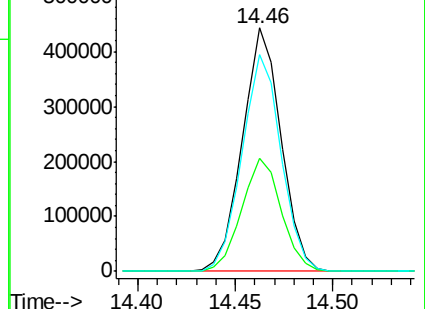
154 89.0 75.0 112.4



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

2,4-Dinitrotoluene

Concen: 30.01 ng/ul

RT: 14.77 min Scan# 2054

Delta R.T. 0.01 min

Lab File: BM000416.D

Acq: 03 Feb 2015 14:29

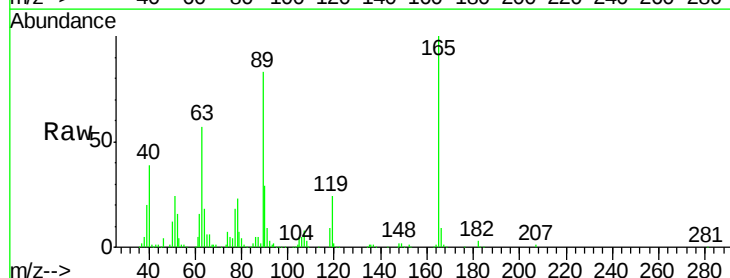
Tgt Ion:165 Resp: 328772

Ion Ratio Lower Upper

165 100

63 57.3 46.2 69.4

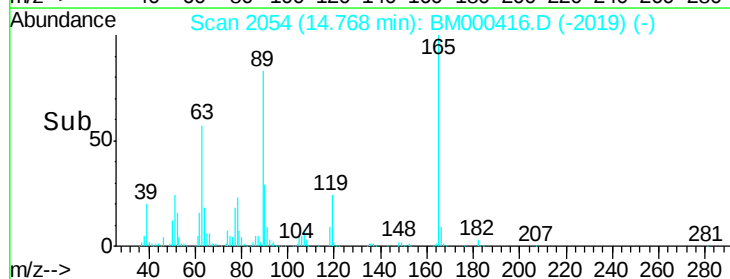
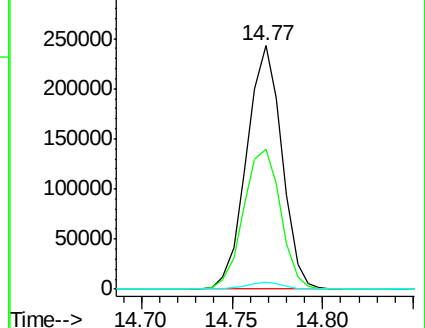
182 2.8 1.9 2.9

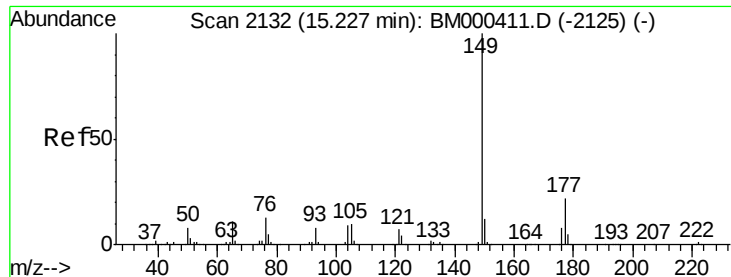


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E

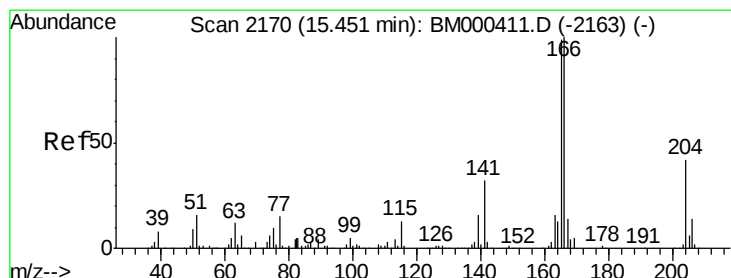
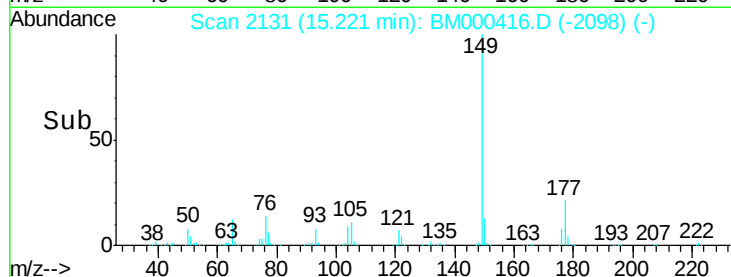
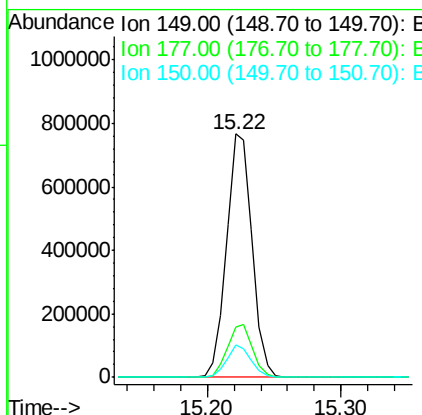
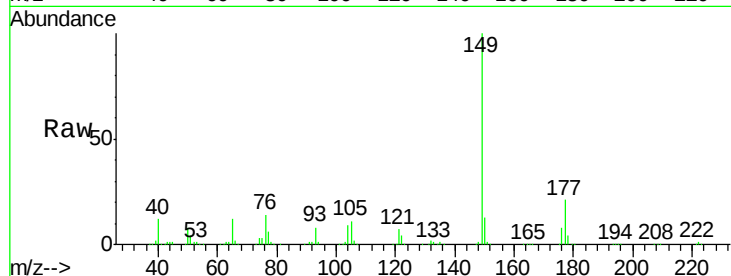




#56
Diethylphthalate
Concen: 24.69 ng/ul
RT: 15.22 min Scan# 2131
Delta R.T. -0.01 min
Lab File: BM000416.D
Acq: 03 Feb 2015 14:29

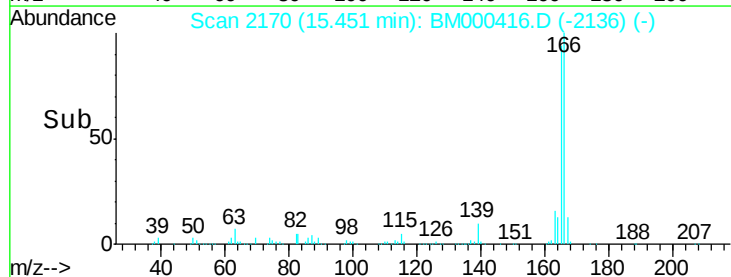
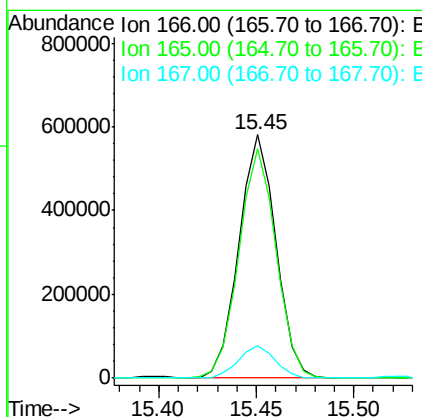
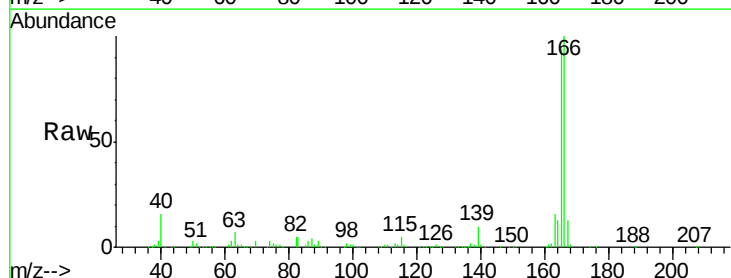
Instrument :
BNA_M
LabSampleId :
SSTDCCC020

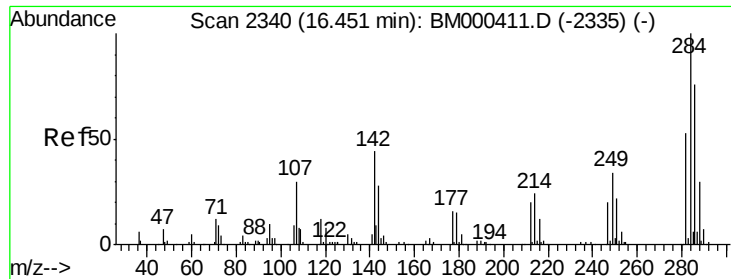
Tgt Ion:149 Resp: 1028784
Ion Ratio Lower Upper
149 100
177 20.7 17.4 26.2
150 13.1 9.9 14.9



#58
Fluorene
Concen: 19.33 ng/ul
RT: 15.45 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BM000416.D
Acq: 03 Feb 2015 14:29

Tgt Ion:166 Resp: 762529
Ion Ratio Lower Upper
166 100
165 94.3 79.1 118.7
167 13.1 10.8 16.2

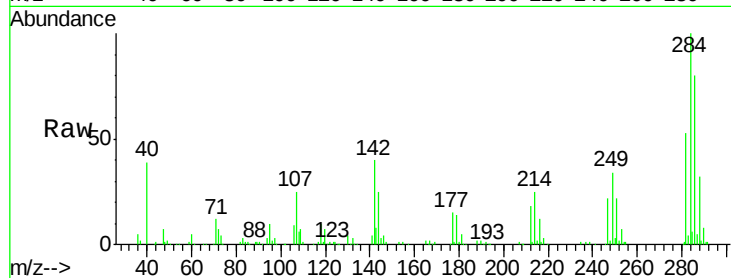




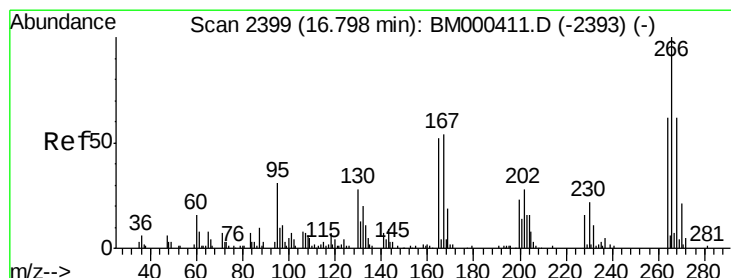
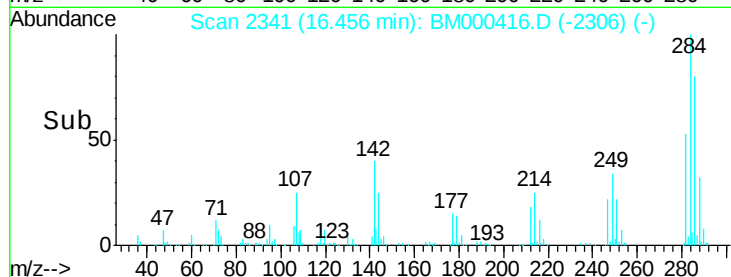
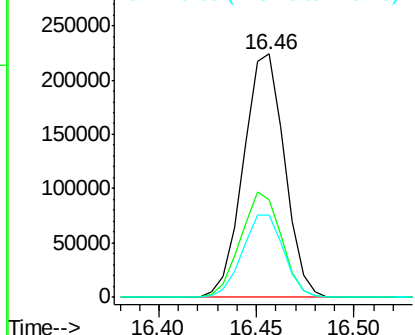
#66
Hexachlorobenzene
Concen: 22.63 ng/ul
RT: 16.46 min Scan# 2341
Delta R.T. 0.01 min
Lab File: BM000416.D
Acq: 03 Feb 2015 14:29

Instrument :
BNA_M
LabSampleId :
SSTDCCC020

Tgt Ion	Ratio	Lower	Upper
284	100		
142	40.4	35.0	52.6
249	33.6	27.0	40.6

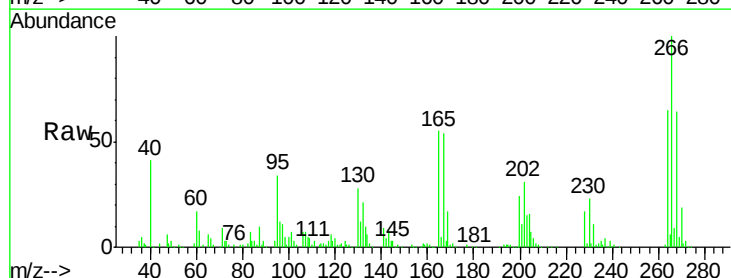


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

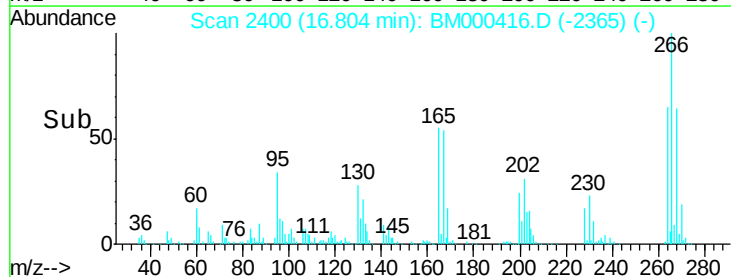
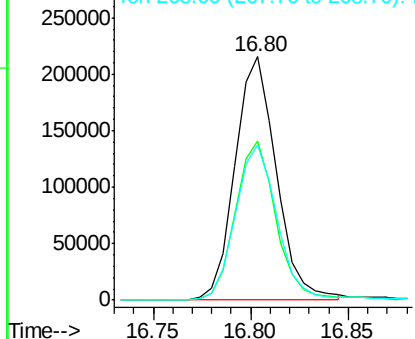


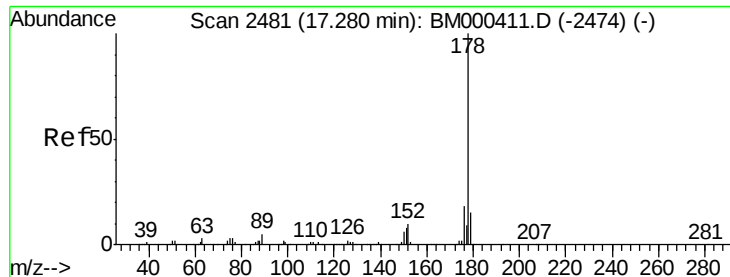
#68
Pentachlorophenol
Concen: 39.04 ng/ul
RT: 16.80 min Scan# 2400
Delta R.T. 0.01 min
Lab File: BM000416.D
Acq: 03 Feb 2015 14:29

Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.5	49.6	74.4
268	63.6	49.6	74.4



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

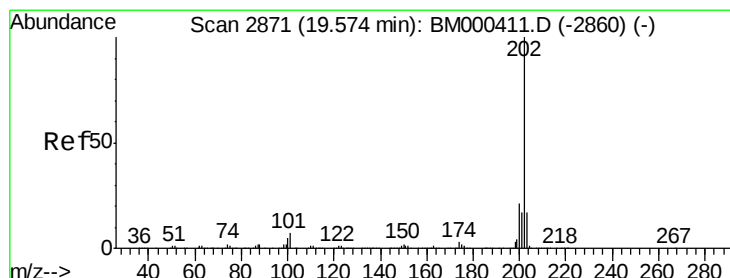
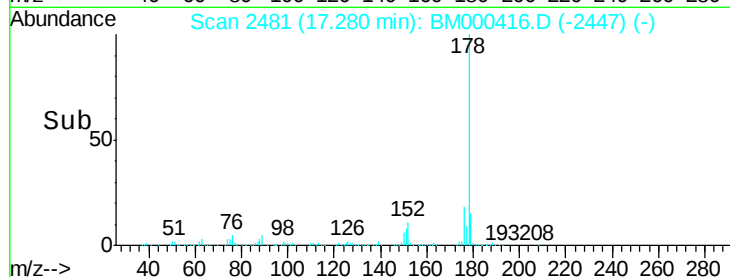
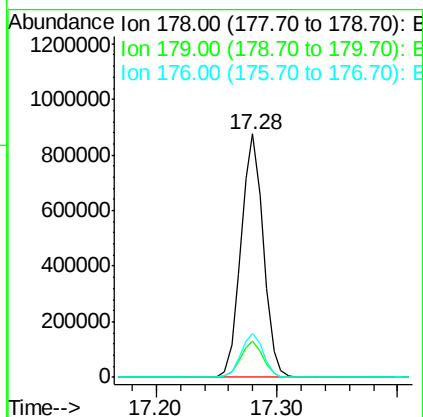
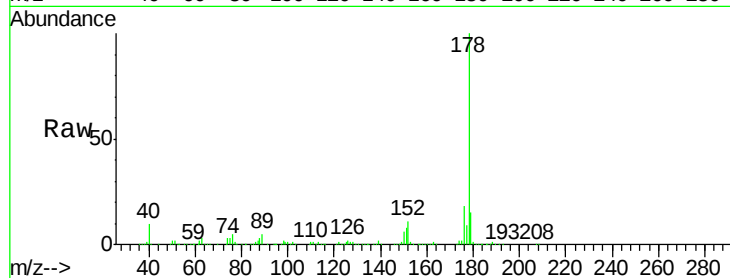




#71
 Anthracene
 Concen: 17.00 ng/ul
 RT: 17.28 min Scan# 2481
 Delta R.T. -0.00 min
 Lab File: BM000416.D
 Acq: 03 Feb 2015 14:29

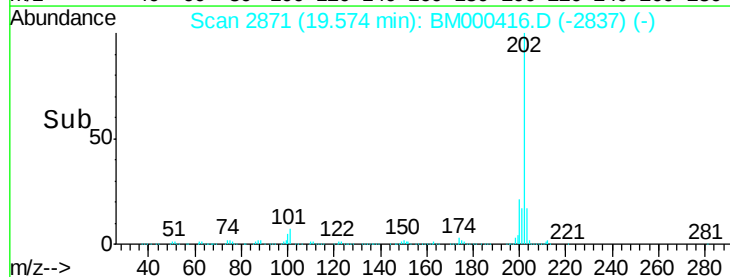
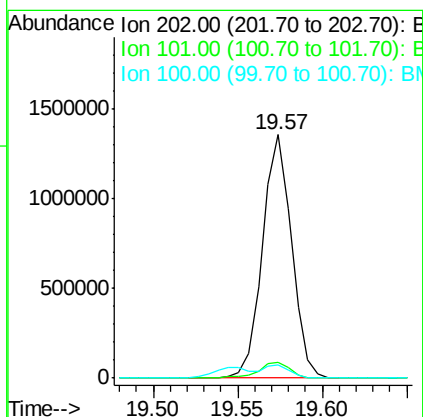
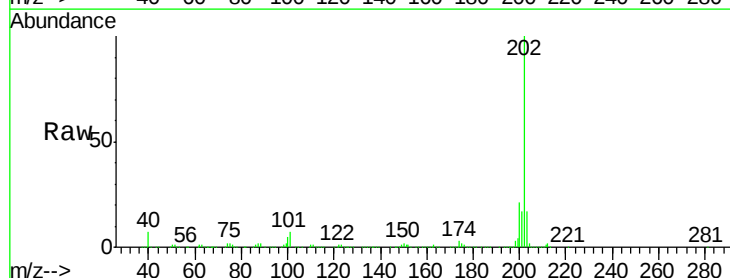
Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC020

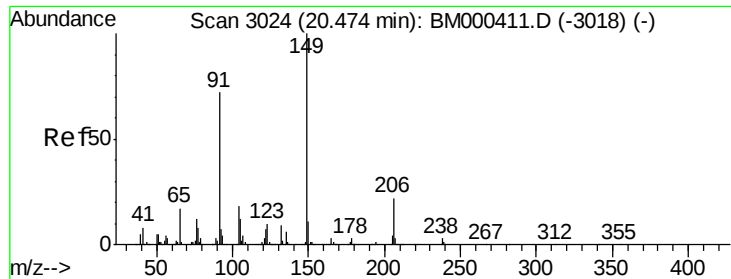
Tgt Ion:178 Resp: 1135806
 Ion Ratio Lower Upper
 178 100
 179 14.7 12.2 18.2
 176 18.2 14.3 21.5



#77
 Pyrene
 Concen: 19.96 ng/ul
 RT: 19.57 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: BM000416.D
 Acq: 03 Feb 2015 14:29

Tgt Ion:202 Resp: 1623686
 Ion Ratio Lower Upper
 202 100
 101 6.5 5.4 8.0
 100 5.3 4.2 6.2

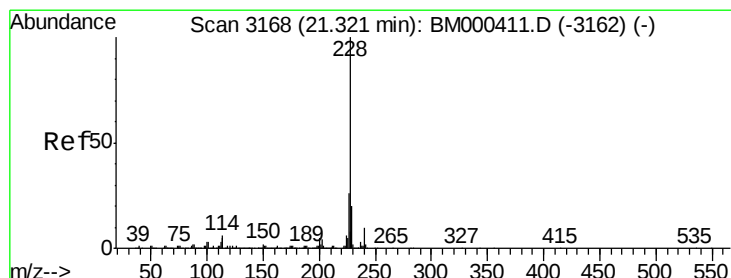
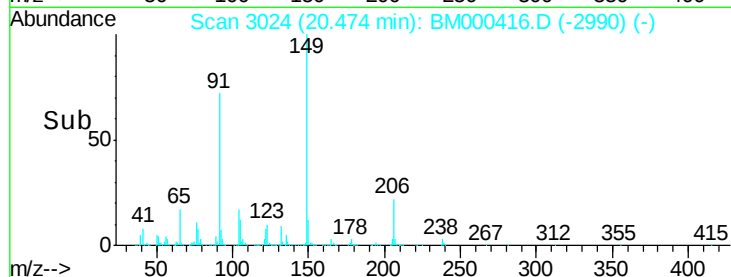
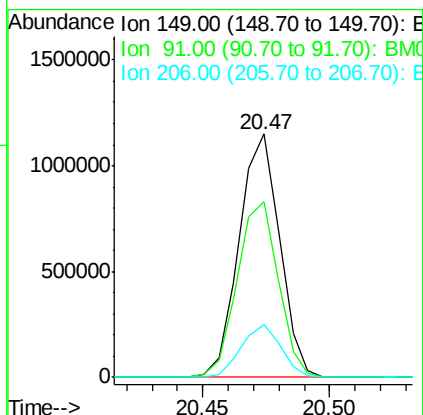
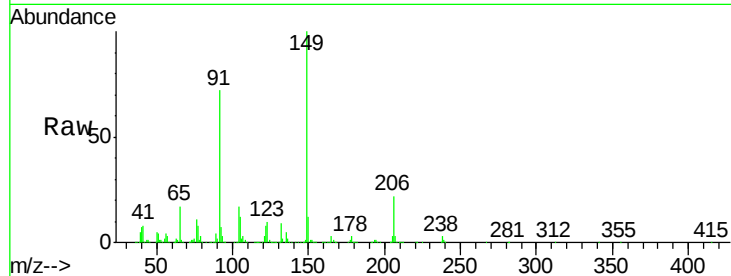




#78
Butylbenzylphthalate
Concen: 44.95 ng/ul
RT: 20.47 min Scan# 3024
Delta R.T. -0.00 min
Lab File: BM000416.D
Acq: 03 Feb 2015 14:29

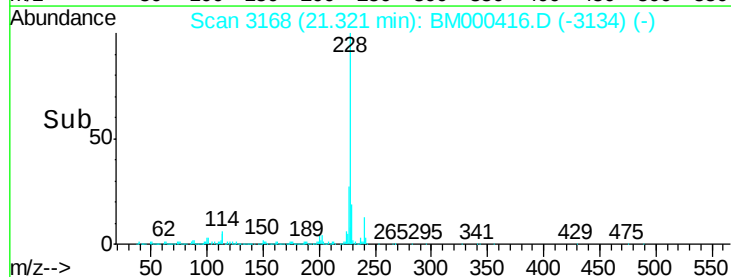
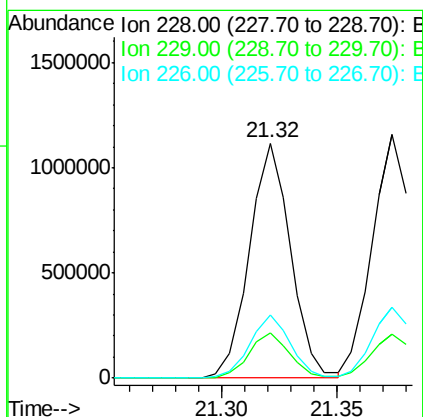
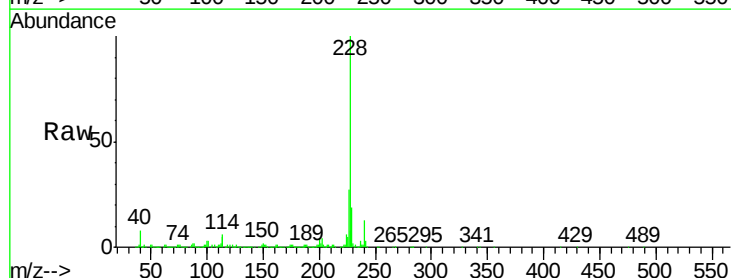
Instrument :
BNA_M
LabSampleId :
SSTDCCC020

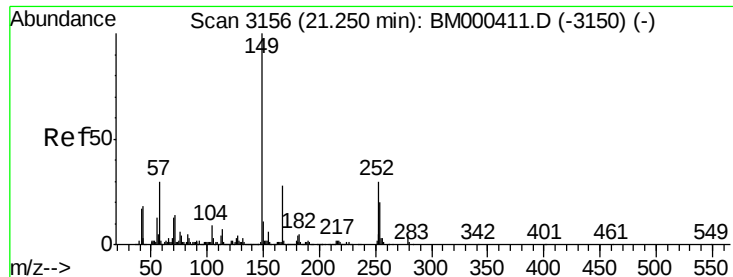
Tgt Ion:149 Resp: 1284161
Ion Ratio Lower Upper
149 100
91 72.0 57.9 86.9
206 21.7 17.5 26.3



#80
Benzo(a)anthracene
Concen: 19.55 ng/ul
RT: 21.32 min Scan# 3168
Delta R.T. -0.00 min
Lab File: BM000416.D
Acq: 03 Feb 2015 14:29

Tgt Ion:228 Resp: 1388882
Ion Ratio Lower Upper
228 100
229 19.0 15.6 23.4
226 26.7 21.0 31.4





#81

Bis(2-ethylhexyl)phthalate

Concen: 35.51 ng/ul

RT: 21.25 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BM000416.D

Acq: 03 Feb 2015 14:29

Instrument :

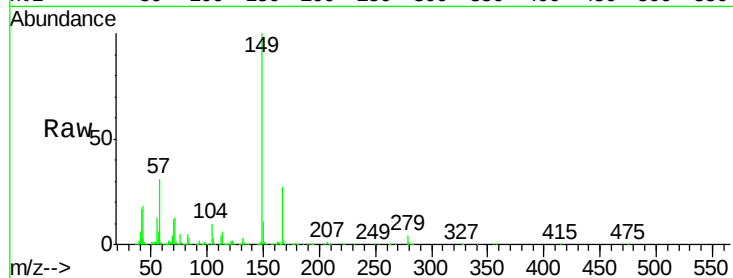
BNA_M

LabSampleId :

SSTDCCC020

Tgt Ion:149 Resp: 1419859

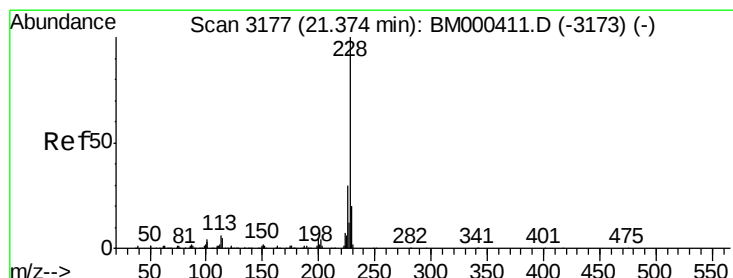
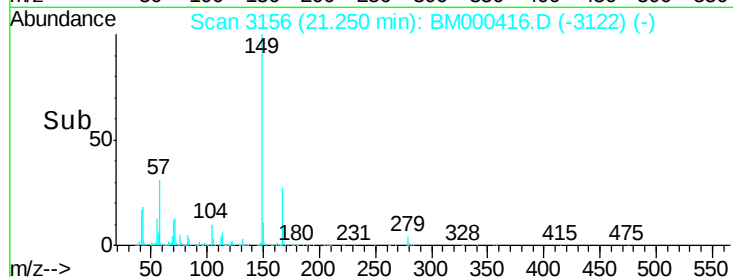
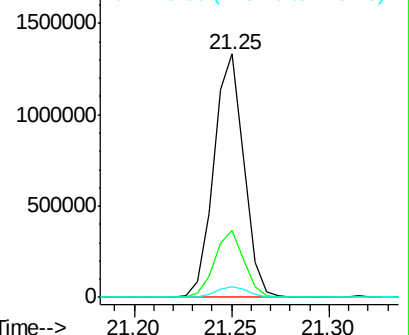
Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.3	33.5
279	4.5	3.4	5.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 20.20 ng/ul

RT: 21.37 min Scan# 3177

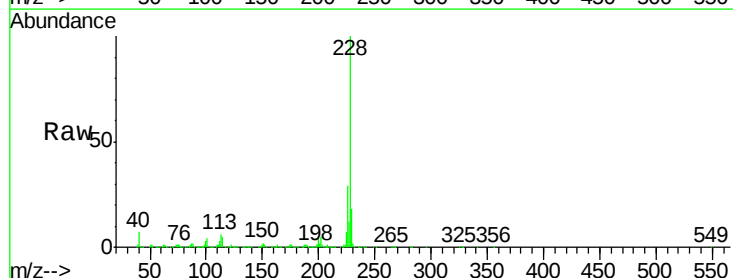
Delta R.T. -0.00 min

Lab File: BM000416.D

Acq: 03 Feb 2015 14:29

Tgt Ion:228 Resp: 1367761

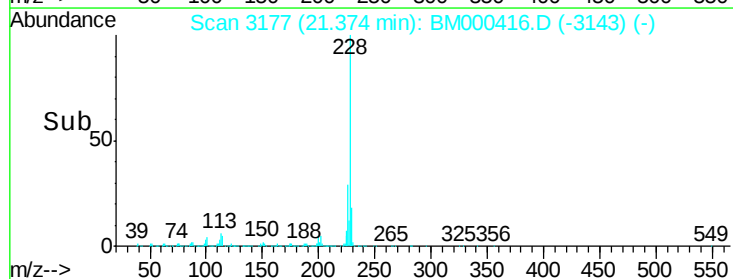
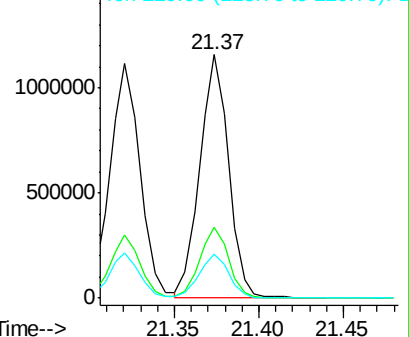
Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.3	36.5
229	18.2	16.1	24.1

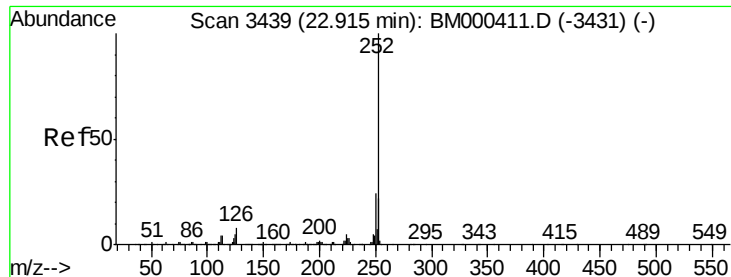


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 33.40 ng/ul

RT: 22.91 min Scan# 3439

Delta R.T. -0.00 min

Lab File: BM000416.D

Acq: 03 Feb 2015 14:29

Instrument :

BNA_M

LabSampleId :

SSTDCCC020

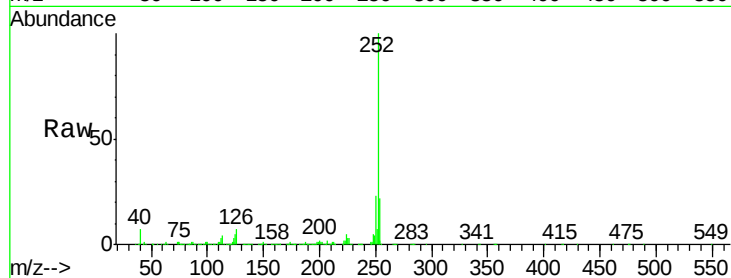
Tgt Ion:252 Resp: 2102127

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

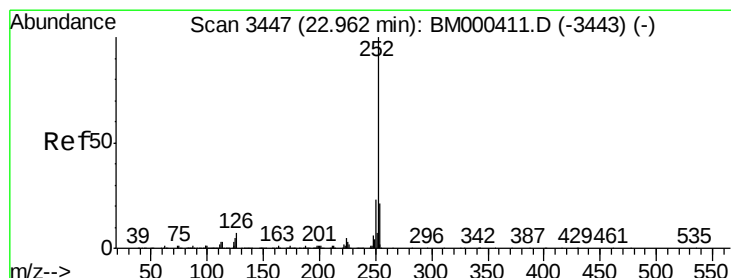
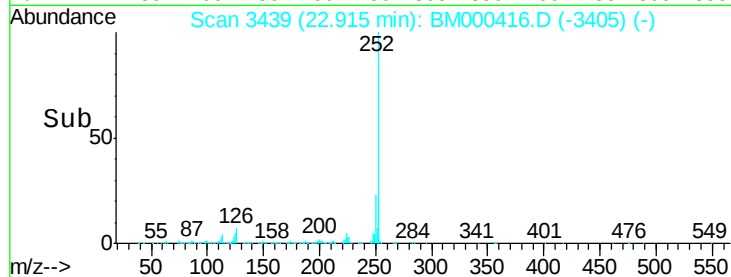
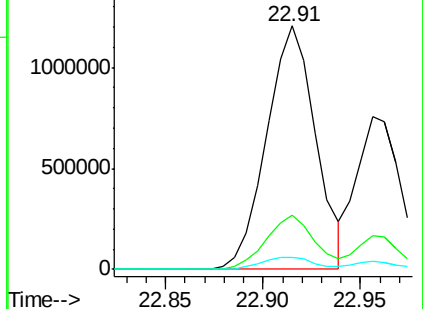
125 5.0 4.2 6.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 19.34 ng/ul

RT: 22.96 min Scan# 3446

Delta R.T. -0.01 min

Lab File: BM000416.D

Acq: 03 Feb 2015 14:29

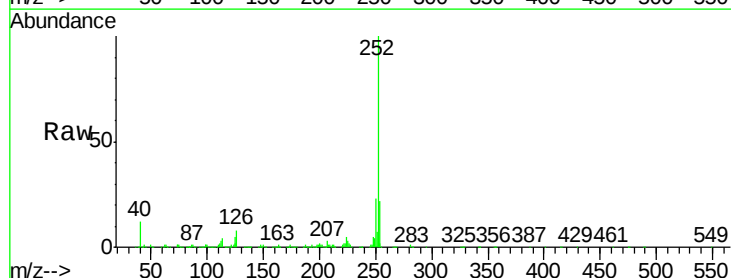
Tgt Ion:252 Resp: 1163732

Ion Ratio Lower Upper

252 100

253 21.9 16.7 25.1

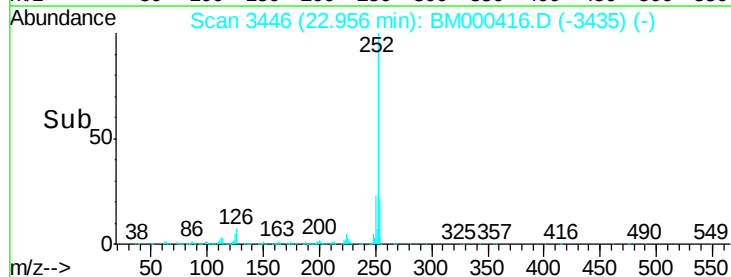
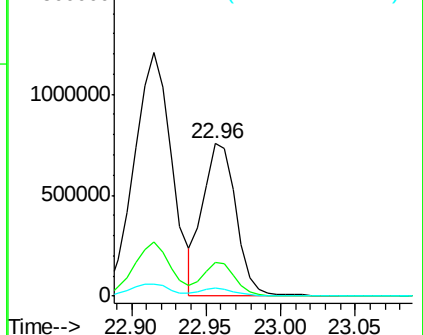
125 5.3 3.9 5.9

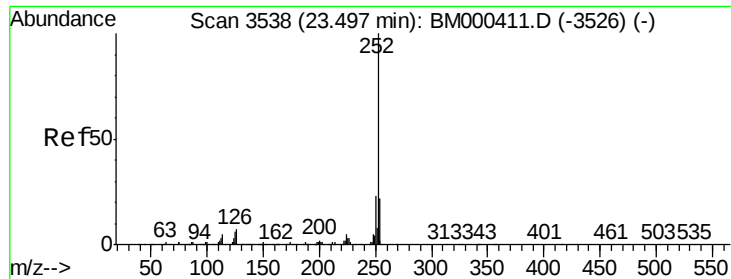


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 18.87 ng/ul

RT: 23.50 min Scan# 3538

Delta R.T. -0.00 min

Lab File: BM000416.D

Acq: 03 Feb 2015 14:29

Instrument :

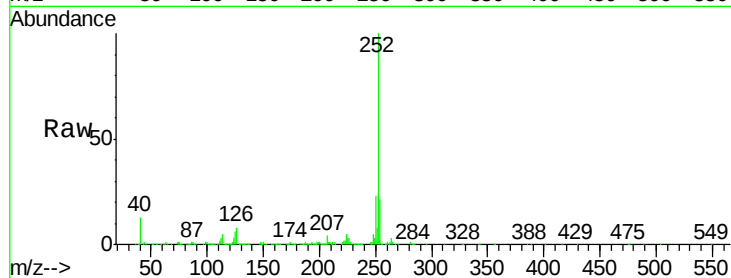
BNA_M

LabSampleId :

SSTDCCC020

Tgt Ion:252 Resp: 1073477

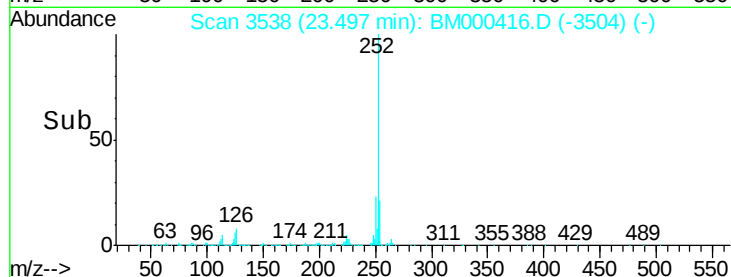
Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	5.8	4.7	7.1



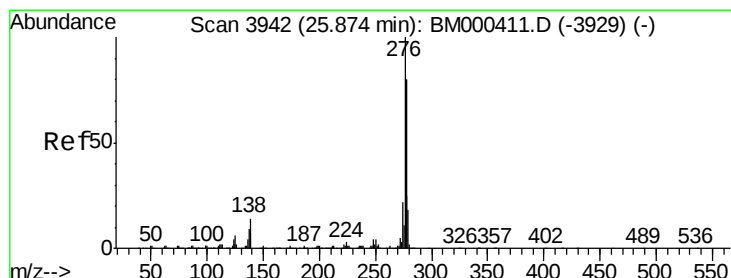
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#89

Indeno(1,2,3-cd)pyrene

Concen: 27.73 ng/ul

RT: 25.87 min Scan# 3942

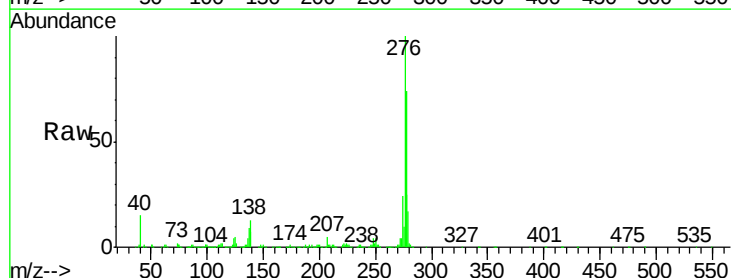
Delta R.T. -0.00 min

Lab File: BM000416.D

Acq: 03 Feb 2015 14:29

Tgt Ion:276 Resp: 1559666

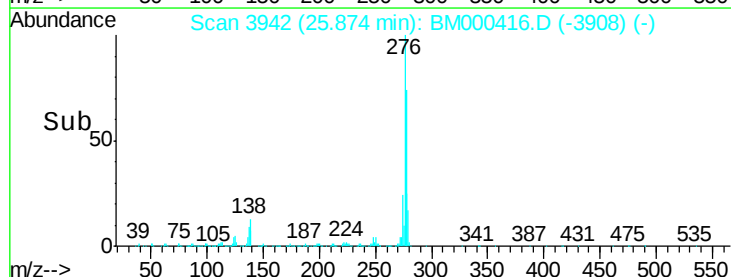
Ion	Ratio	Lower	Upper
276	100		
138	13.5	11.4	17.0
277	24.9	20.3	30.5



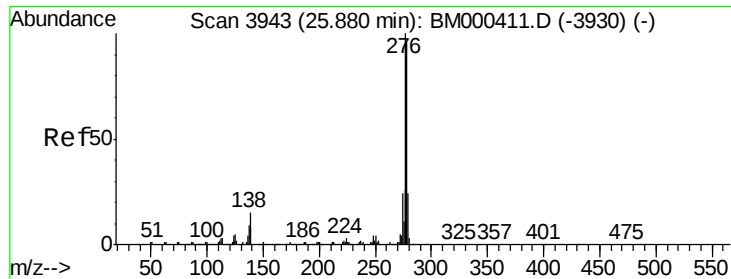
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#90

Dibenzo(a,h)anthracene

Concen: 24.01 ng/ul

RT: 25.88 min Scan# 3943

Delta R.T. -0.00 min

Lab File: BM000416.D

Acq: 03 Feb 2015 14:29

Instrument :

BNA_M

LabSampleId :

SSTDCCC020

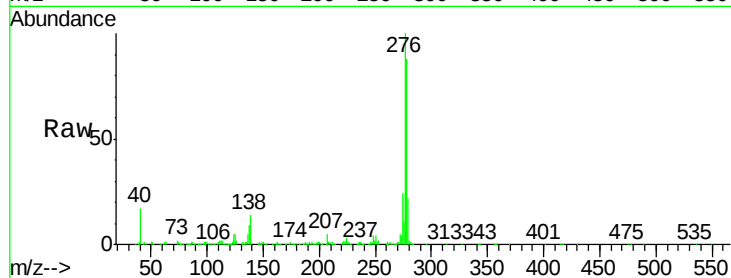
Tgt Ion:278 Resp: 1132702

Ion Ratio Lower Upper

278 100

139 10.2 6.8 10.2

279 24.6 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

