

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092419\
 Data File : BM022764.D
 Acq On : 24 Sep 2019 23:53
 Operator : JU
 Sample : K4980-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1

Manual Integrations
 APPROVED

mohammad
 9/26/2019 8:25:42 AM

Quant Time: Sep 30 07:31:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	253890	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	983446	20.00	ng	-0.01
39) Acenaphthene-d10	14.46	164	568312	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	1115127	20.00	ng	0.00
76) Chrysene-d12	21.37	240	852348	20.00	ng	-0.01
87) Perylene-d12	23.64	264	989716	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1718366	107.34	ng	0.00
7) Phenol-d6	6.99	99	2344760	114.04	ng	0.00
23) Nitrobenzene-d5	8.97	82	1328978	75.01	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	821056	115.73	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	3151493	76.36	ng	0.00
79) Terphenyl-d14	19.82	244	3972235	90.24	ng	0.00
Target Compounds						
49) Acenaphthylene	14.17	152	106325	2.048	ng	100
50) Dimethylphthalate	13.91	163	311470	7.584	ng	100
71) Phenanthrene	17.23	178	189909	3.018	ng	99
75) Fluoranthene	19.24	202	306948	4.323	ng	99
78) Pyrene	19.61	202	433153	7.755	ng	100
81) Benzo(a)anthracene	21.35	228	214050	3.875	ng	93
83) Chrysene	21.40	228	207435	3.873	ng	97
88) Benzo(b)fluoranthene	22.96	252	255830m	4.269	ng	
90) Benzo(a)pyrene	23.54	252	203413	3.684	ng	97
92) Benzo(g,h,i)perylene	26.65	276	144041	2.626	ng	98

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

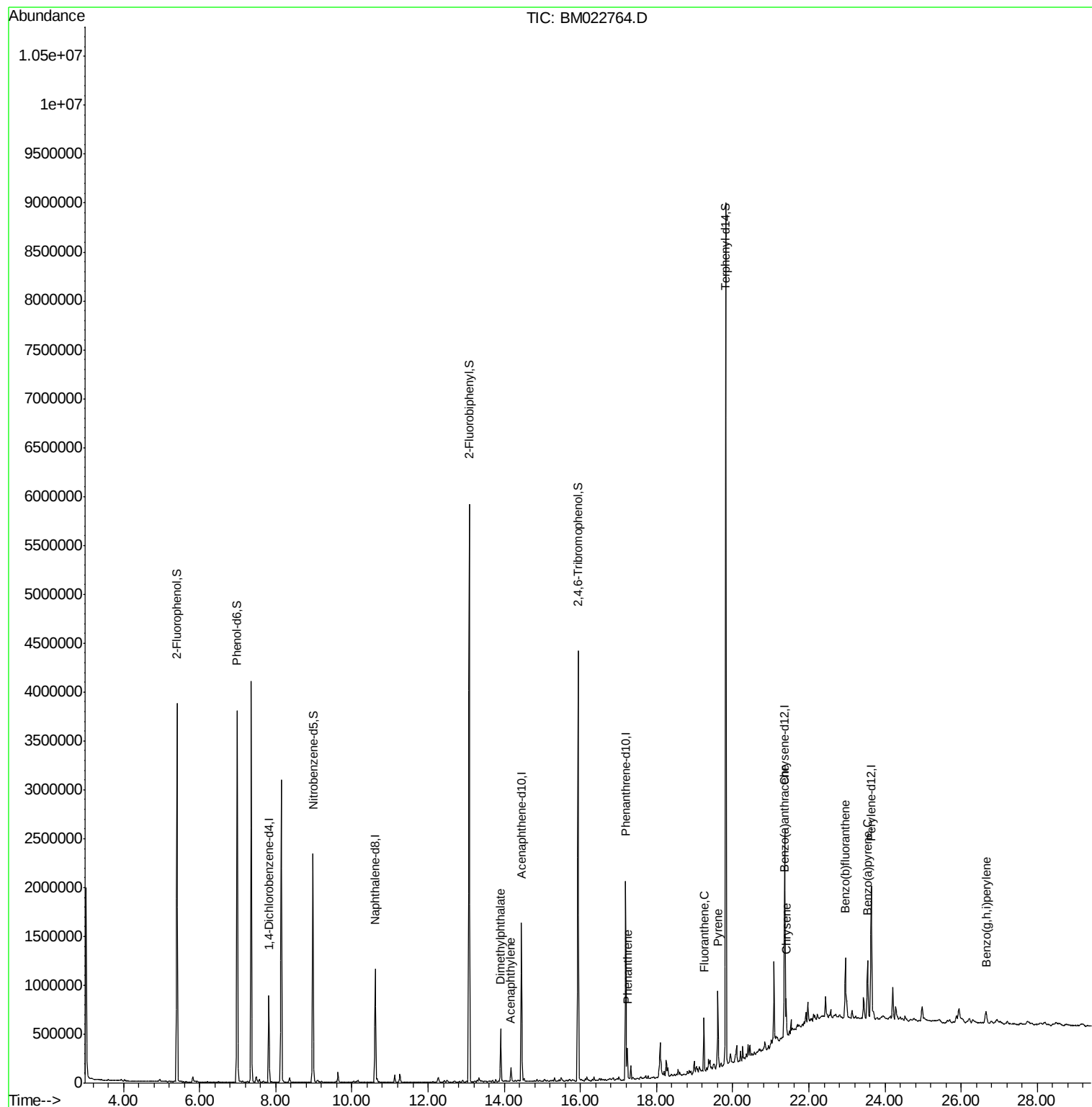
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092419\
Data File : BM022764.D
Acq On : 24 Sep 2019 23:53
Operator : JU
Sample : K4980-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

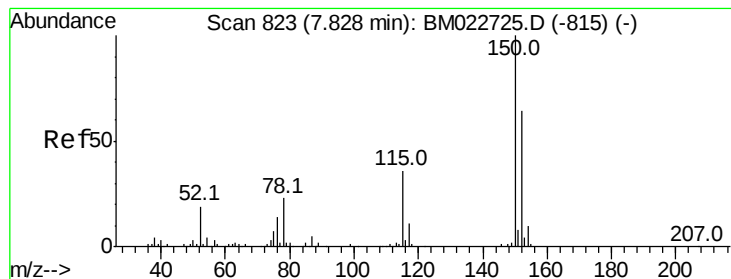
Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1

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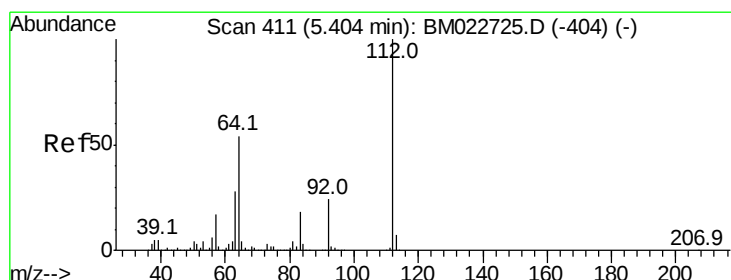
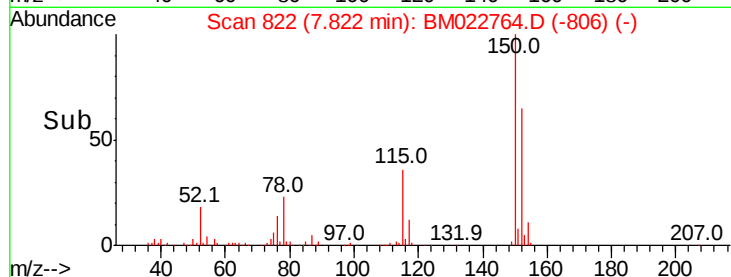
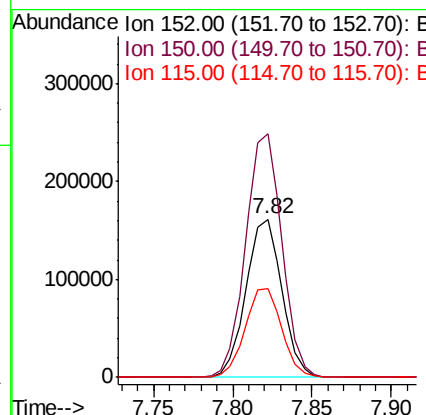
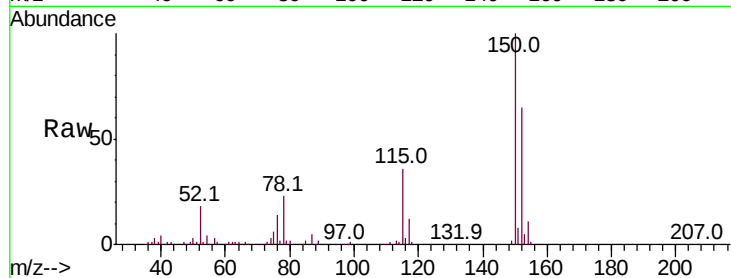
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.82 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BM022764.D
 Acq: 24 Sep 2019 23:53

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.5	186.7
115	56.0	45.0	67.4

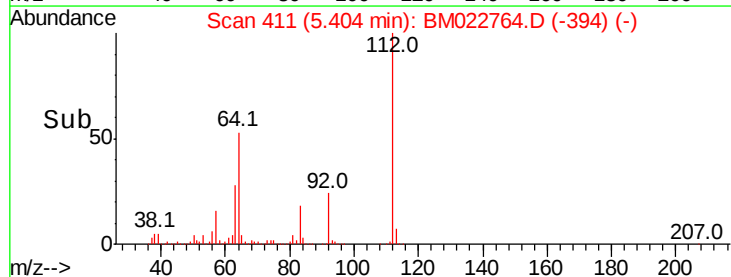
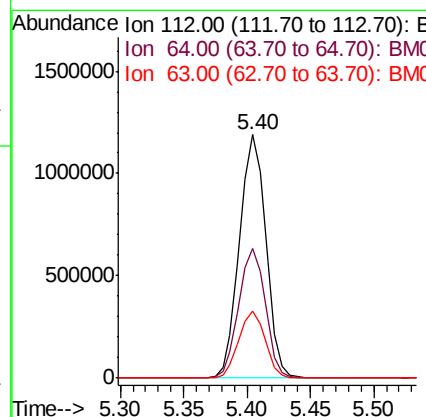
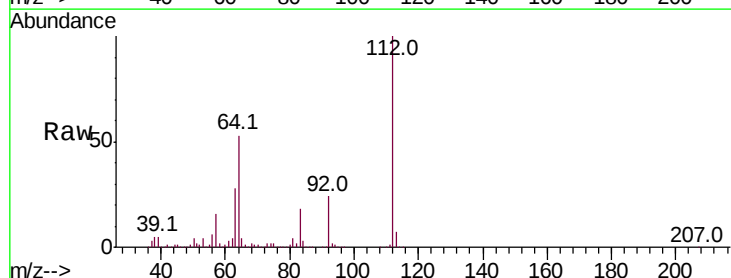
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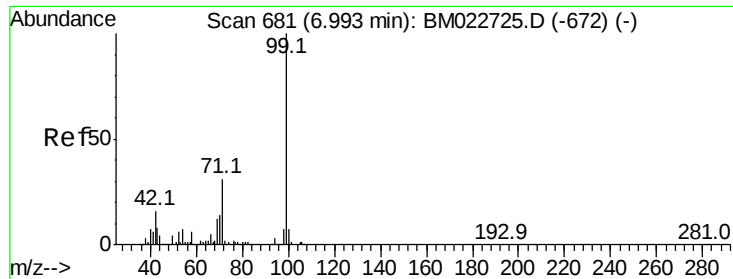
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#5
 2-Fluorophenol
 Concen: 107.340 ng
 RT: 5.40 min Scan# 411
 Delta R.T. -0.00 min
 Lab File: BM022764.D
 Acq: 24 Sep 2019 23:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	43.4	65.2
63	27.6	22.1	33.1





#7

Phenol-d6

Concen: 114.038 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM022764.D

Acq: 24 Sep 2019 23:53

Instrument :

BNA_M

ClientSampleId :

SAND-STOCKPILE-1

Tot Ion: 99 Resp: 2344760

Ion Ratio Lower Upper

99 100

42 16.0 13.0 19.4

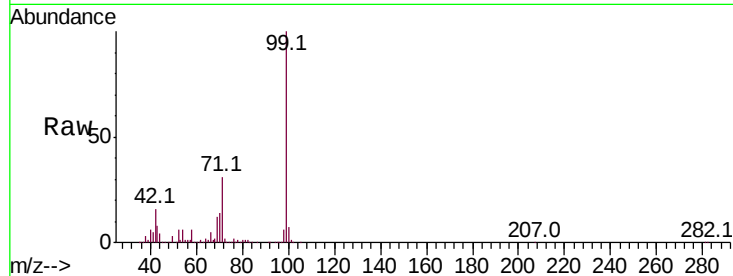
71 31.4 24.7 37.1

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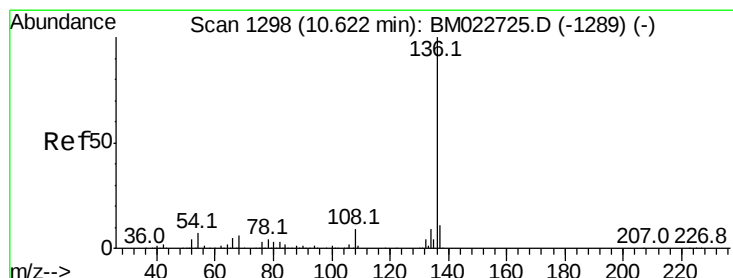
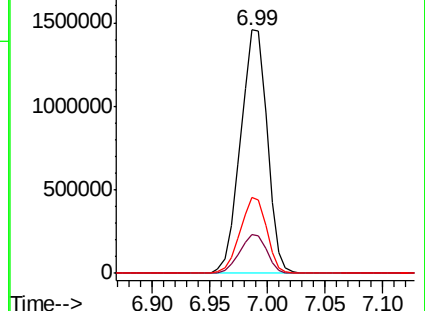
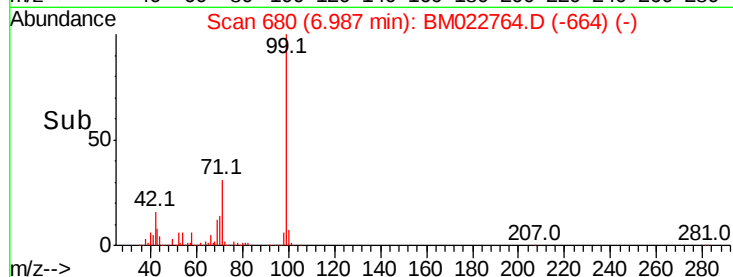
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Abundance Ion 99.00 (98.70 to 99.70): BM022725.D (-672) (-)

Ion 42.00 (41.70 to 42.70): BM022725.D (-672) (-)

Ion 71.00 (70.70 to 71.70): BM022725.D (-672) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BM022764.D

Acq: 24 Sep 2019 23:53

Tgt Ion: 136 Resp: 983446

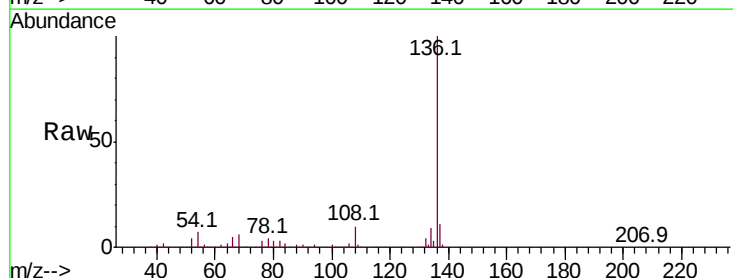
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 7.1 6.0 9.0

68 5.9 4.9 7.3

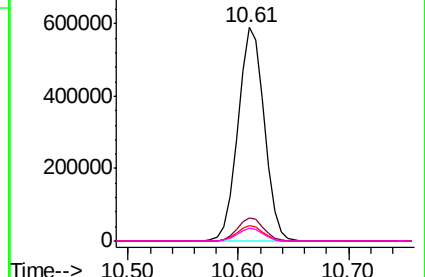
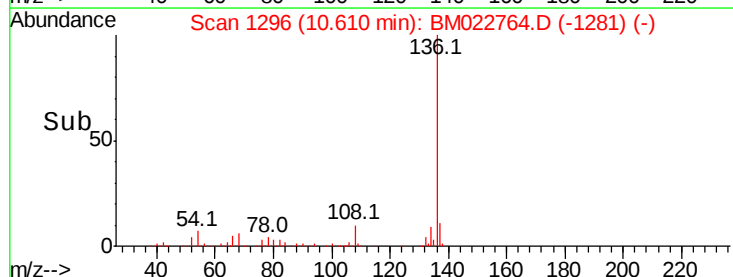


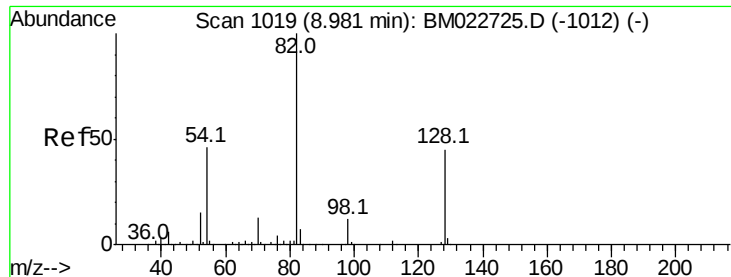
Abundance Ion 136.00 (135.70 to 136.70): BM022725.D (-1289) (-)

Ion 137.00 (136.70 to 137.70): BM022725.D (-1289) (-)

Ion 54.00 (53.70 to 54.70): BM022725.D (-1289) (-)

Ion 68.00 (67.70 to 68.70): BM022725.D (-1289) (-)





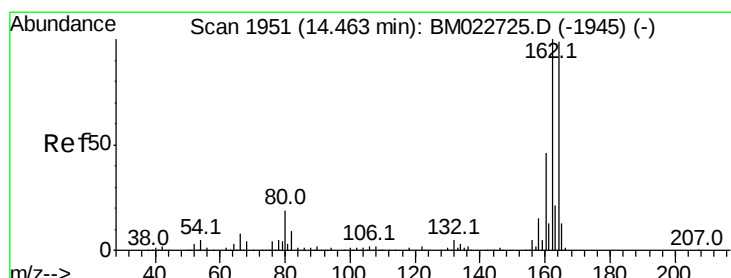
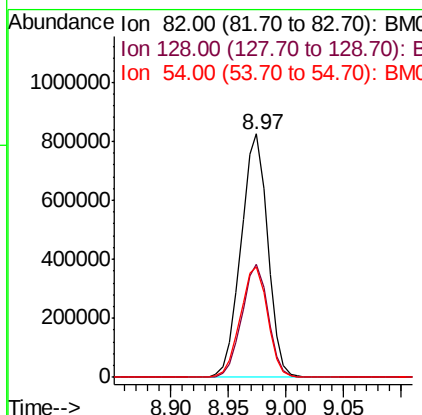
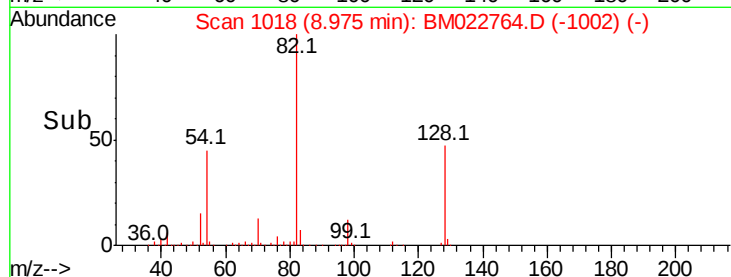
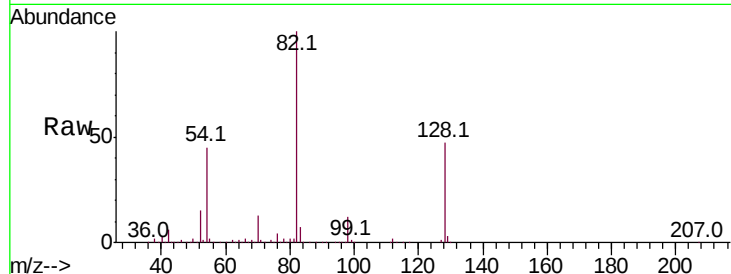
#23
Nitrobenzene-d5
Concen: 75.013 ng
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM022764.D
Acq: 24 Sep 2019 23:53

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.0	54.0
54	45.4	37.1	55.7

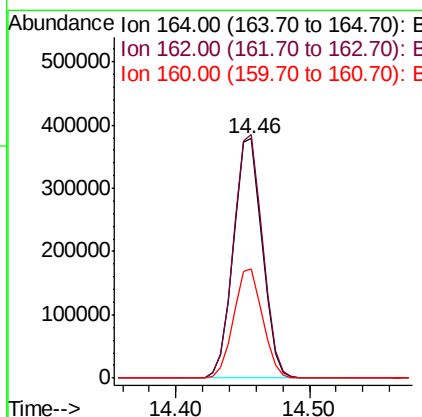
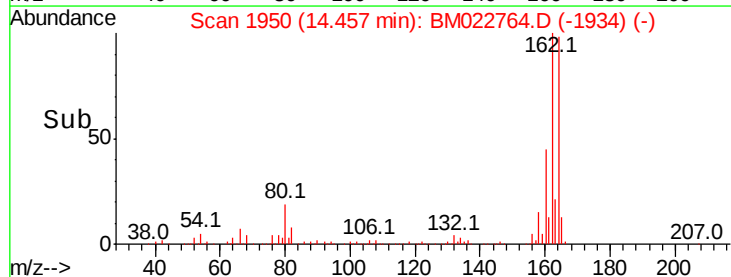
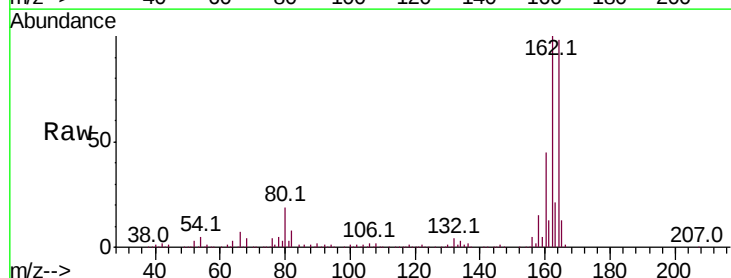
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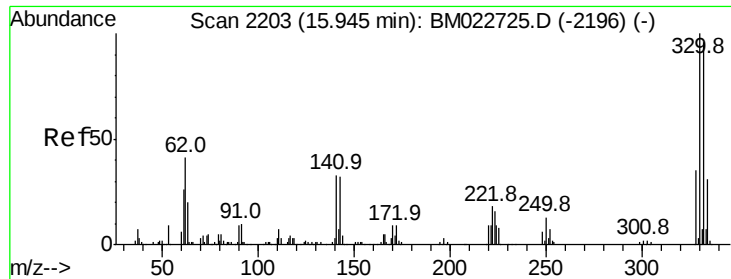
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BM022764.D
Acq: 24 Sep 2019 23:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.1	121.7
160	45.6	36.9	55.3





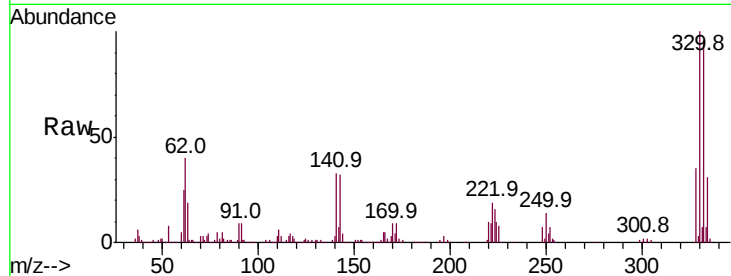
#42
 2,4,6-Tribromophenol
 Concen: 115.732 ng
 RT: 15.94 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: BM022764.D
 Acq: 24 Sep 2019 23:53

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	821056		
332	96.1	76.9	115.3	
141	33.8	28.6	42.8	

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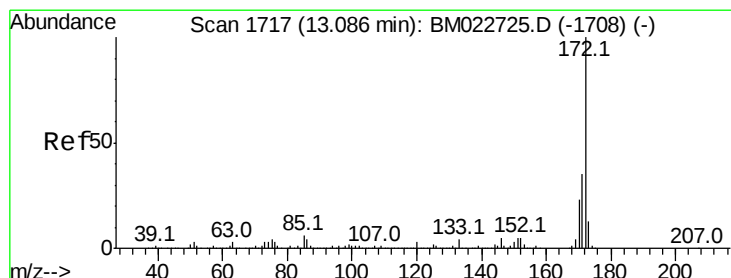
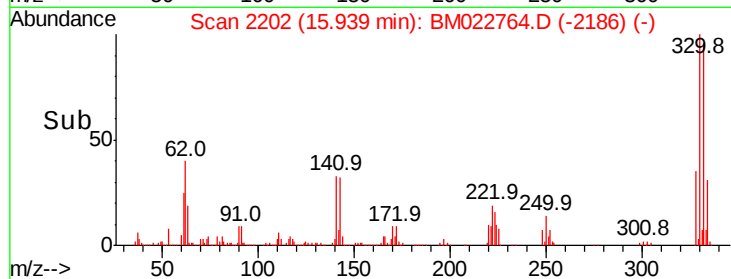
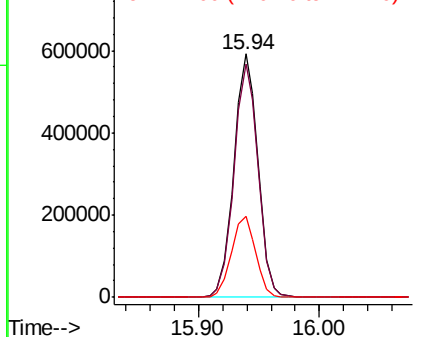


Abundance

Ion 329.80 (329.50 to 330.50): E

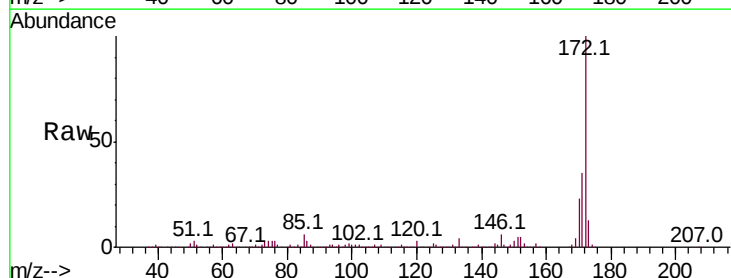
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 76.362 ng
 RT: 13.08 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BM022764.D
 Acq: 24 Sep 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	3151493		
171	35.2	27.8	41.8	
170	23.5	18.7	28.1	

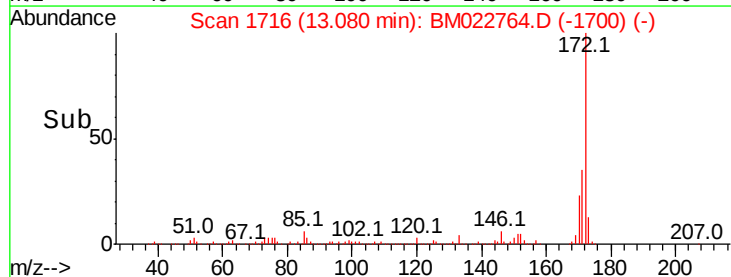
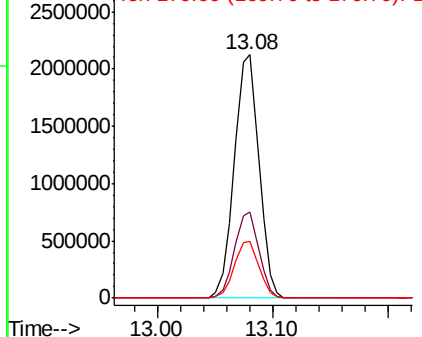


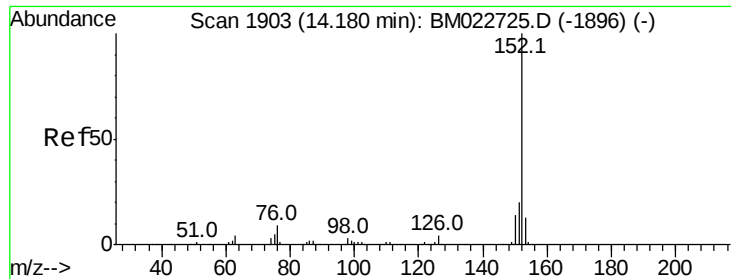
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





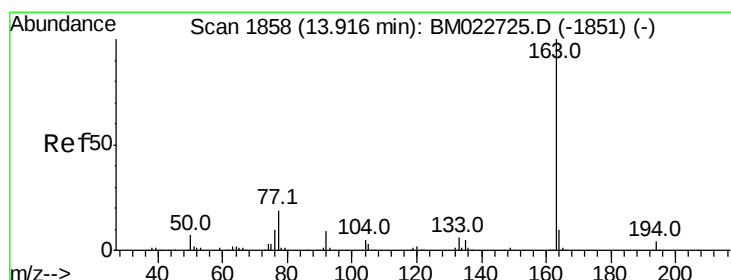
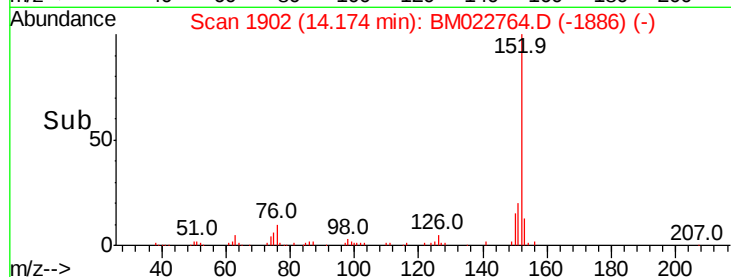
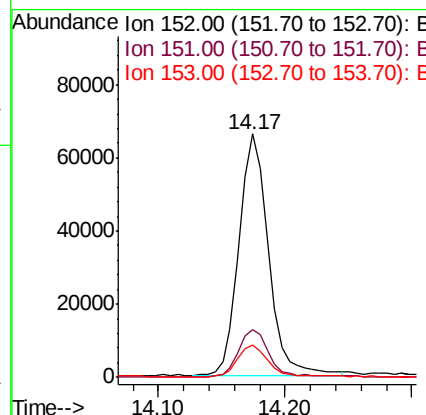
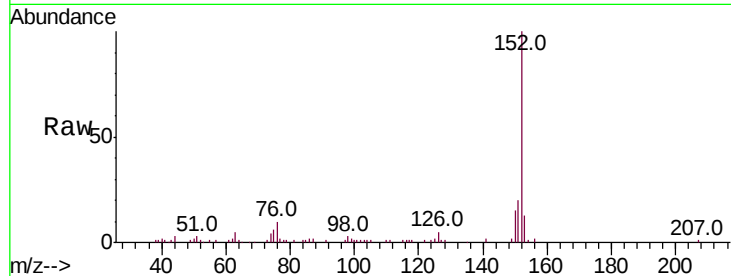
#49
Acenaphthylene
Concen: 2.048 ng
RT: 14.17 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BM022764.D
Acq: 24 Sep 2019 23:53

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1

Tot Ion	Ratio	Resp	Lower	Upper
152	100	106325		
151	19.9		15.9	23.9
153	13.5		10.5	15.7

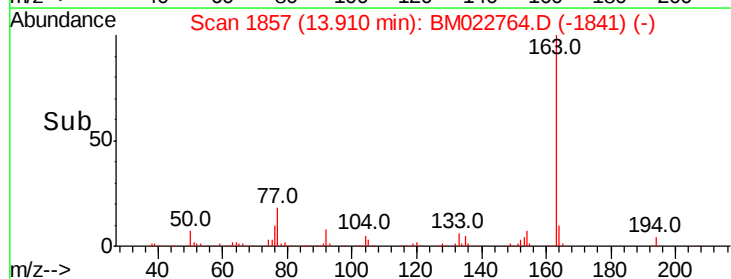
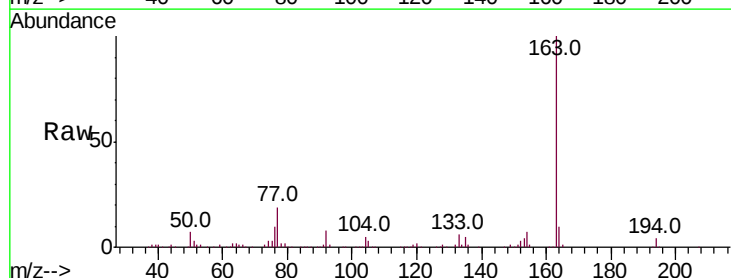
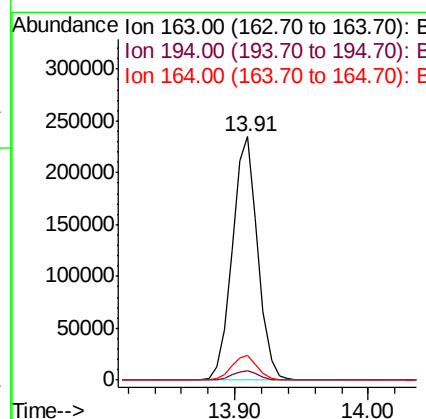
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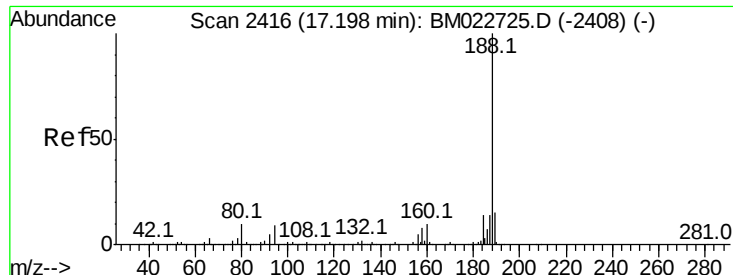
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#50
Dimethylphthalate
Concen: 7.584 ng
RT: 13.91 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BM022764.D
Acq: 24 Sep 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	311470		
194	4.0		3.3	4.9
164	10.1		8.2	12.2





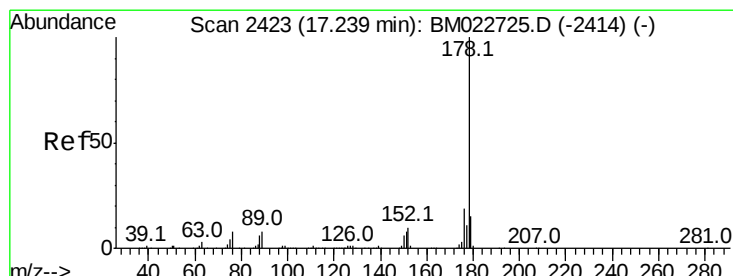
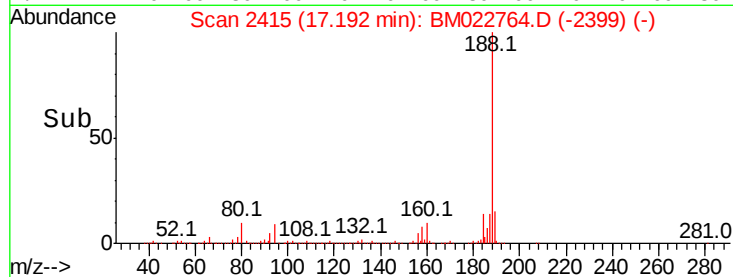
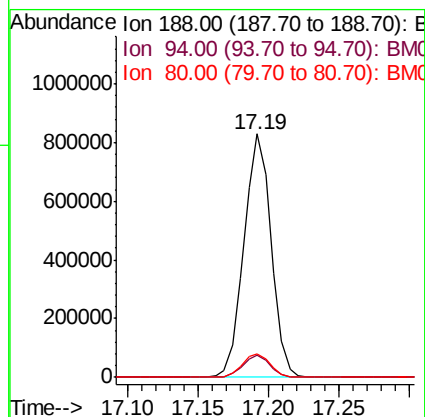
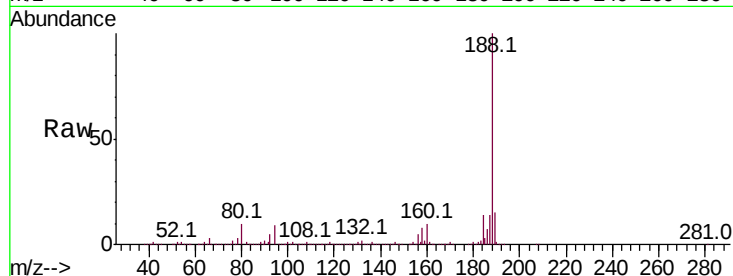
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM022764.D
Acq: 24 Sep 2019 23:53

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.3	10.9
80	9.8	7.8	11.8

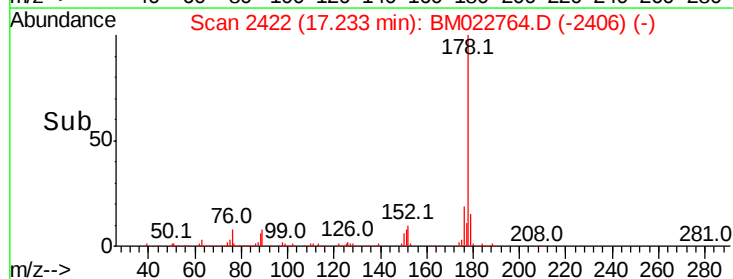
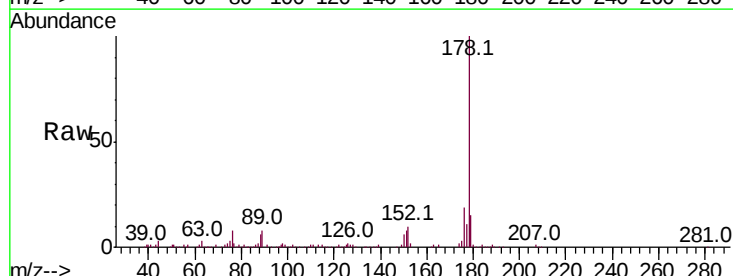
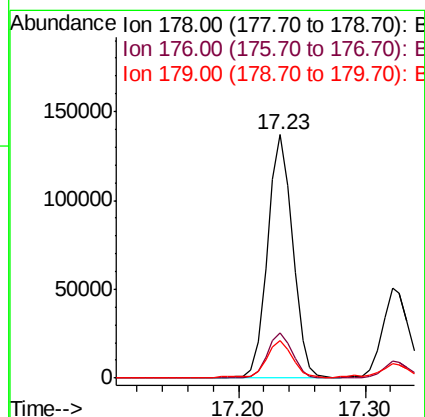
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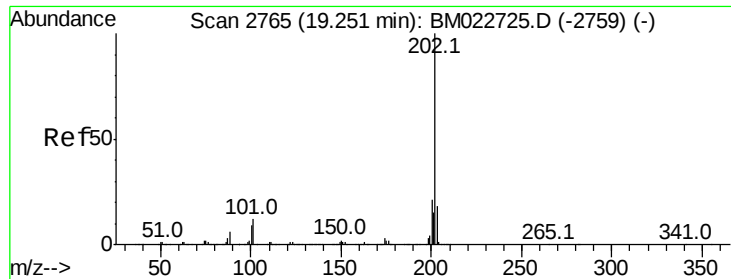
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#71
Phenanthrene
Concen: 3.018 ng
RT: 17.23 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM022764.D
Acq: 24 Sep 2019 23:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.2	12.3	18.5





#75

Fluoranthene

Concen: 4.323 ng

RT: 19.24 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BM022764.D

Acq: 24 Sep 2019 23:53

Instrument :

BNA_M

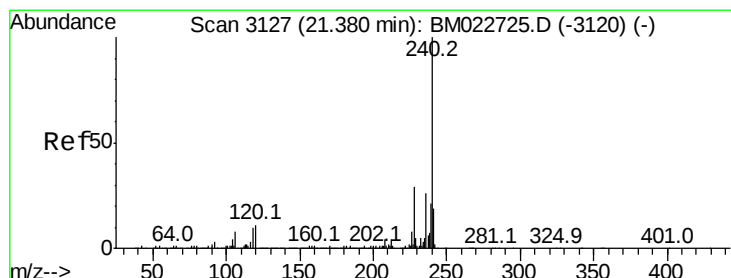
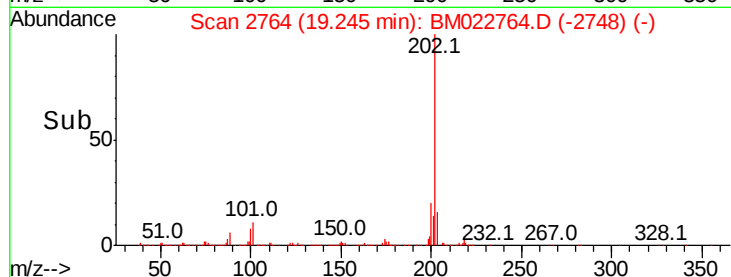
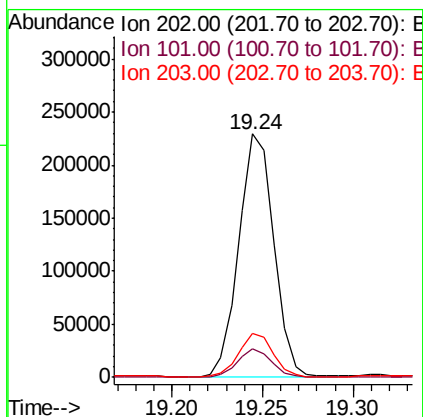
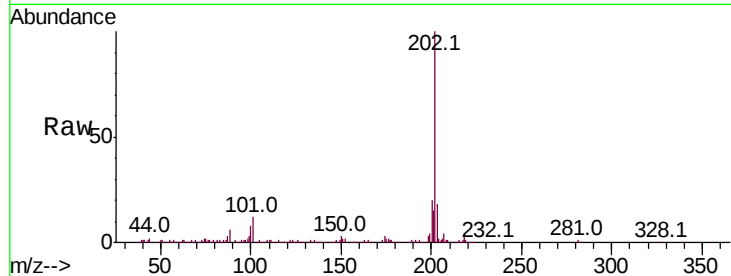
ClientSampleId :

SAND-STOCKPILE-1

Tot Ion:	202	Resp:	306948
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	32.1
203	18.0	0.0	37.7

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#76

Chrysene-d12

Concen: 20.000 ng

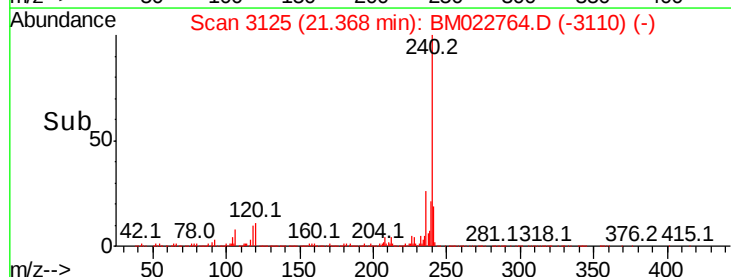
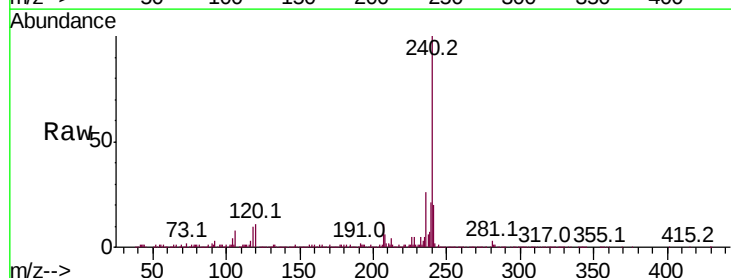
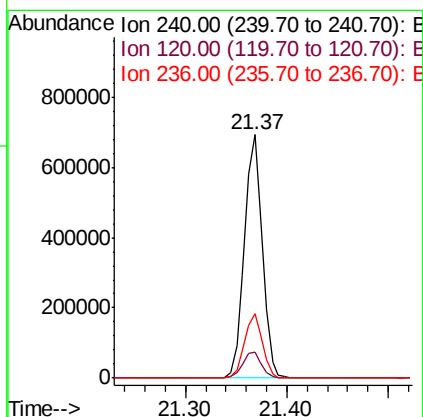
RT: 21.37 min Scan# 3125

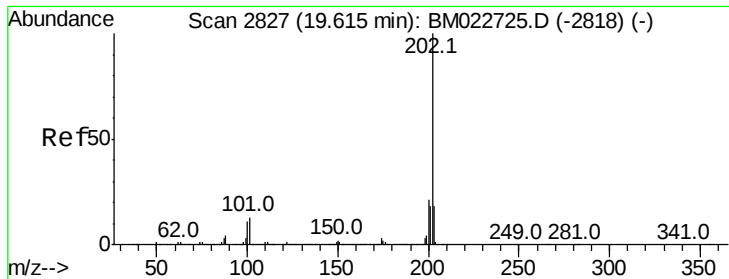
Delta R.T. -0.01 min

Lab File: BM022764.D

Acq: 24 Sep 2019 23:53

Tgt Ion:	240	Resp:	852348
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.8	13.2
236	26.5	20.8	31.2





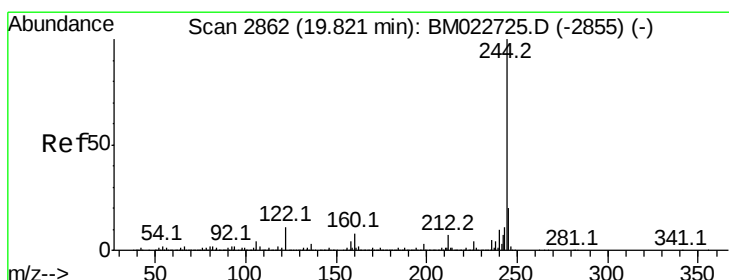
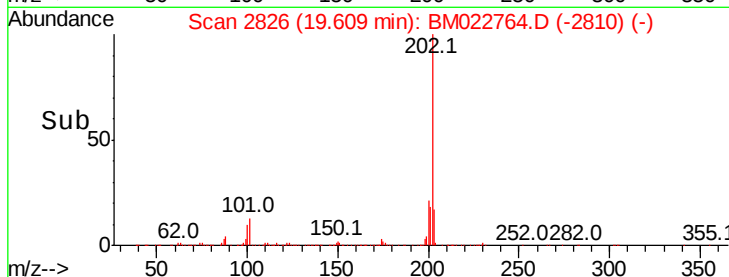
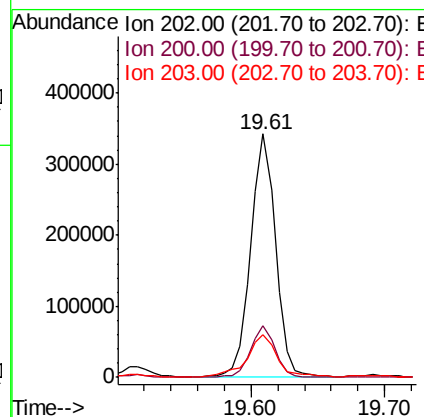
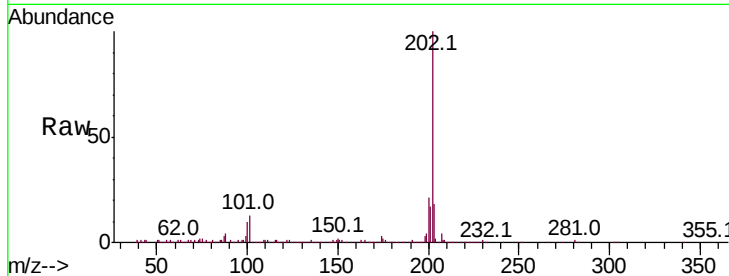
#78
Pvrene
Concen: 7.755 ng
RT: 19.61 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BM022764.D
Acq: 24 Sep 2019 23:53

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.8	14.1	21.1

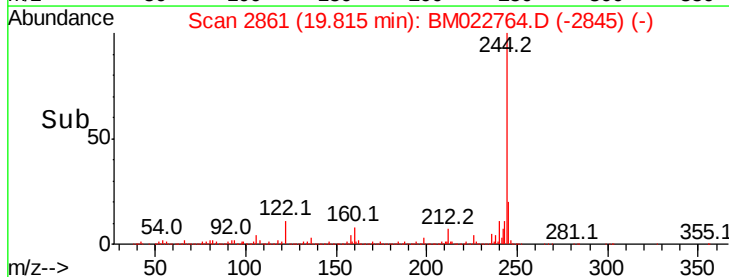
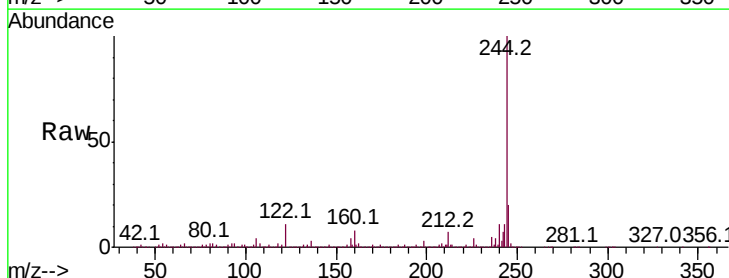
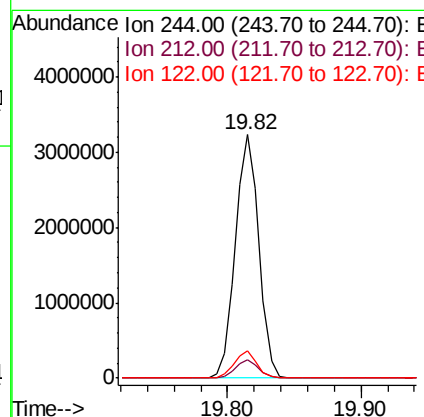
Manual Integrations
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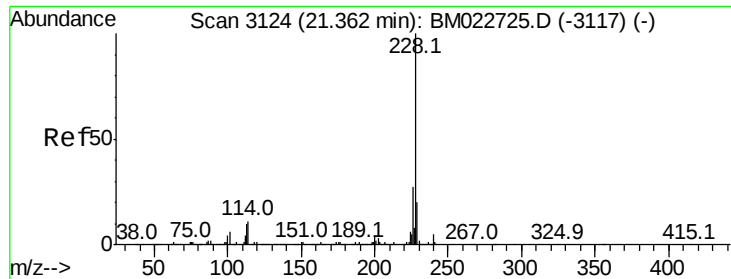
mohammad
9/26/2019 8:25:42 AM



#79
Terphenyl-d14
Concen: 90.242 ng
RT: 19.82 min Scan# 2861
Delta R.T. -0.01 min
Lab File: BM022764.D
Acq: 24 Sep 2019 23:53

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	5.9	8.9
122	11.0	9.0	13.4





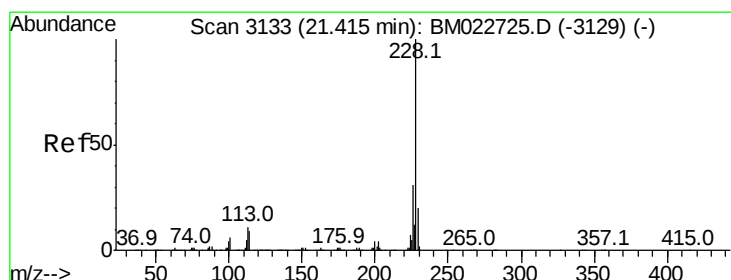
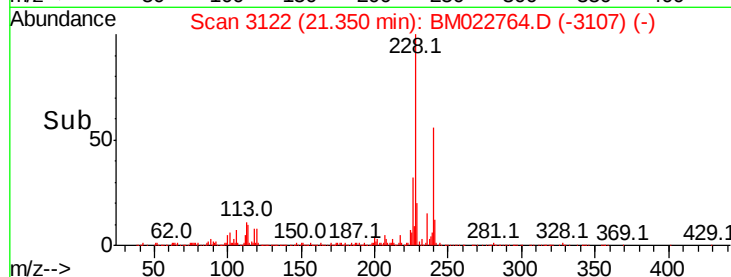
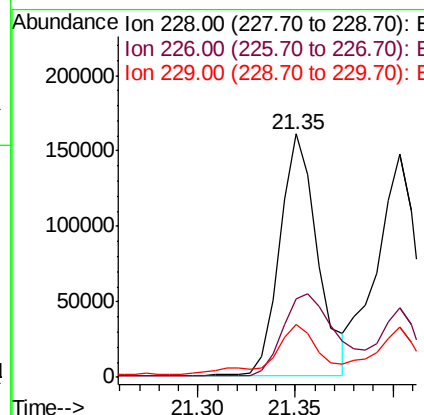
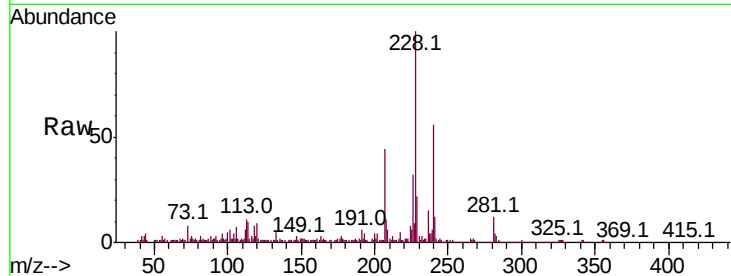
#81
Benzo(a)anthracene
Concen: 3.875 ng
RT: 21.35 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BM022764.D
Acq: 24 Sep 2019 23:53

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1

Tot Ion	Ratio	Resp	Lower	Upper
228	100	214050		
226	32.5		22.0	33.0
229	21.6		15.9	23.9

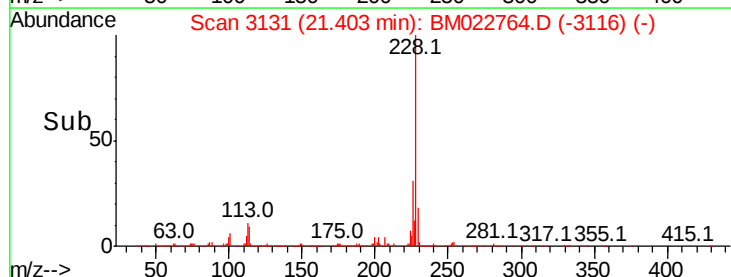
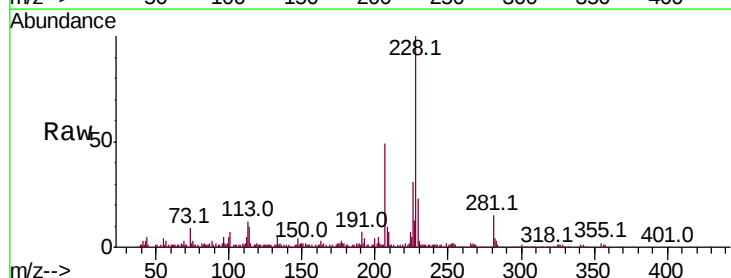
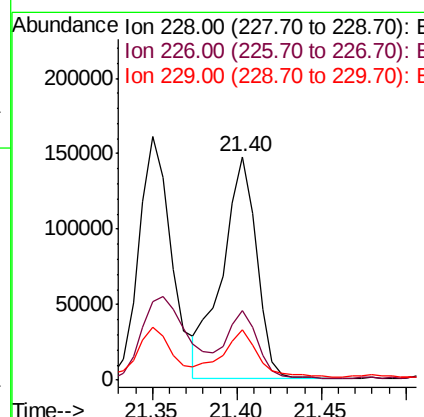
Manual Integrations
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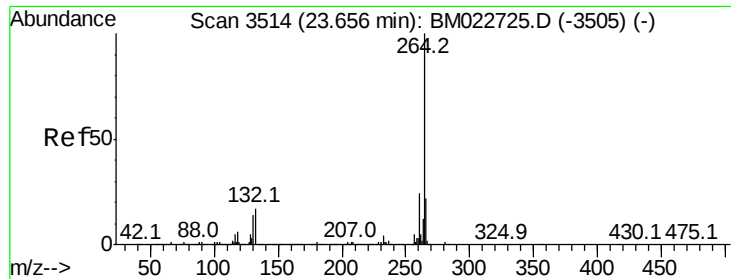
mohammad
9/26/2019 8:25:42 AM



#83
Chrysene
Concen: 3.873 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BM022764.D
Acq: 24 Sep 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	207435		
226	31.3		24.5	36.7
229	22.6		15.9	23.9





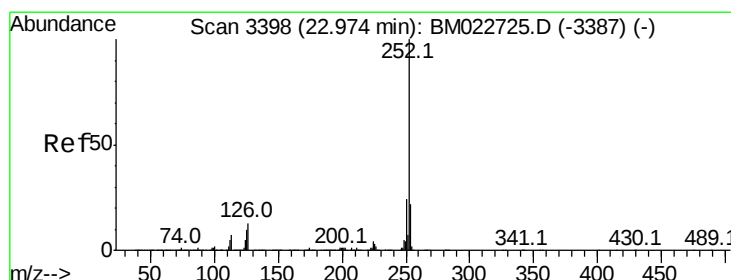
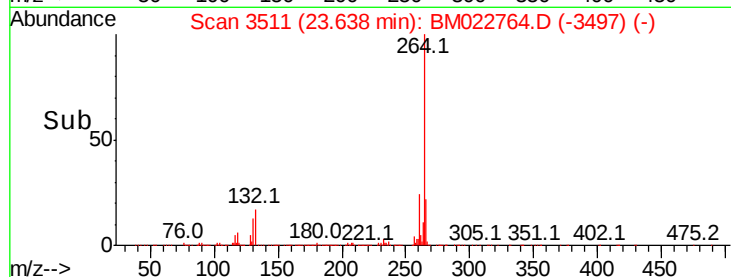
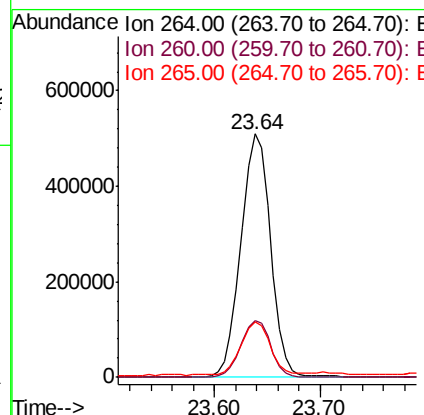
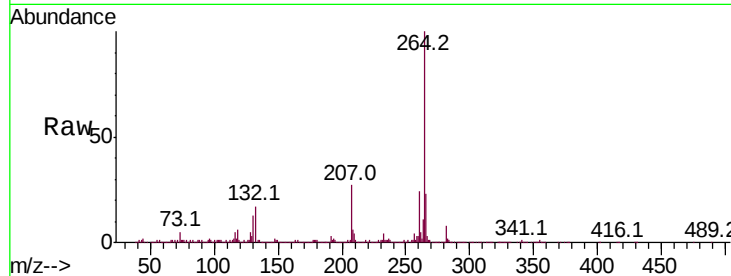
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3511
Delta R.T. -0.02 min
Lab File: BM022764.D
Acq: 24 Sep 2019 23:53

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.6	19.1	28.7	
265	22.5	17.9	26.9	

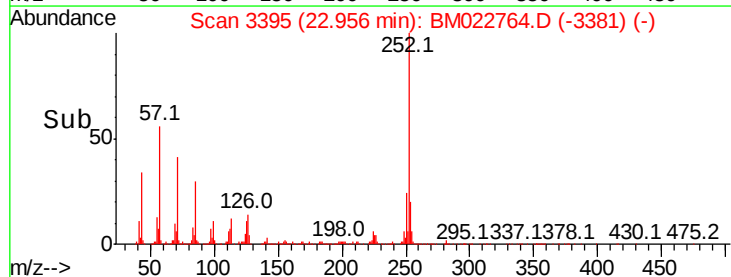
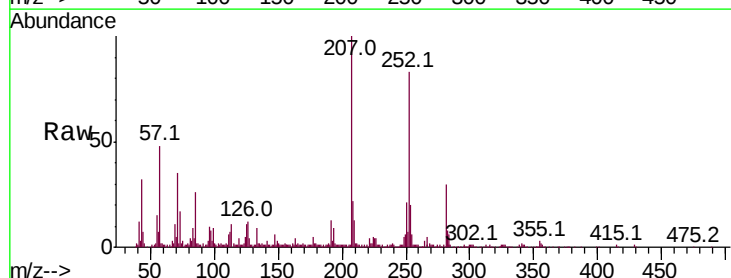
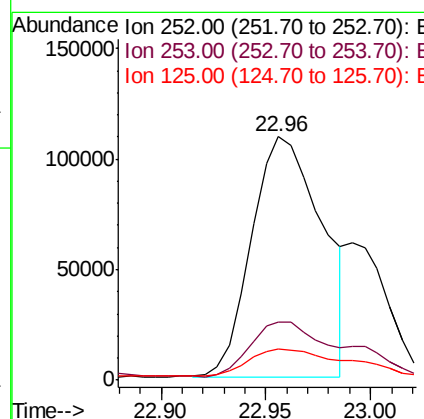
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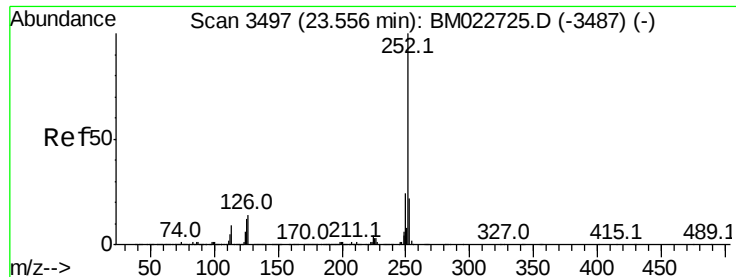
mohammad
9/26/2019 8:25:42 AM



#88
Benzo(b)fluoranthene
Concen: 4.269 ng m
RT: 22.96 min Scan# 3395
Delta R.T. -0.02 min
Lab File: BM022764.D
Acq: 24 Sep 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.8	17.7	26.5	
125	13.0	8.2	12.4	





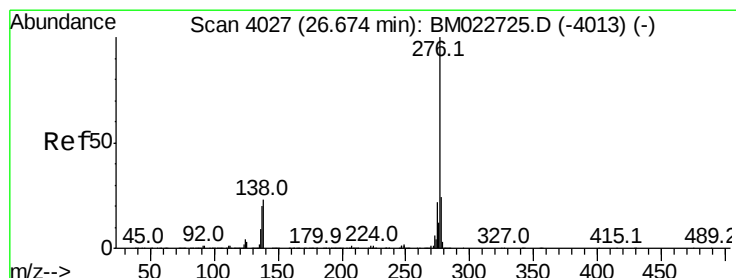
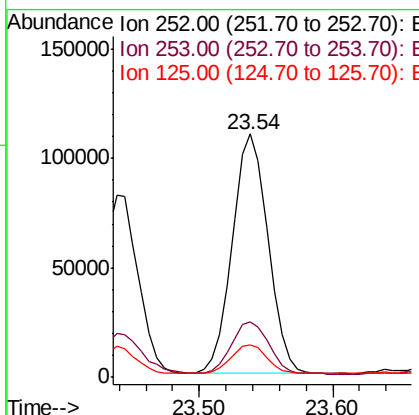
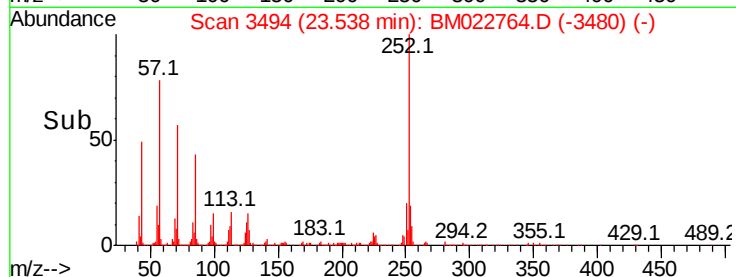
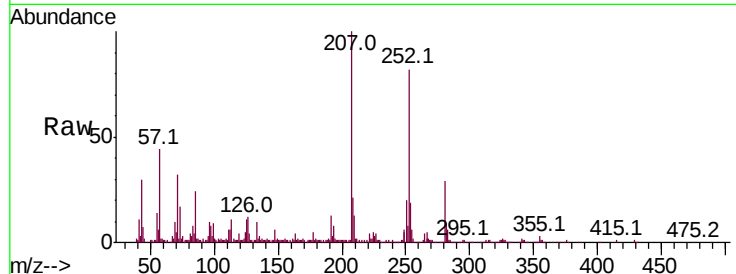
#90
Benzo(a)pyrene
Concen: 3.684 ng
RT: 23.54 min Scan# 3494
Delta R.T. -0.02 min
Lab File: BM022764.D
Acq: 24 Sep 2019 23:53

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1

Tot Ion:	252	Resp:	203413
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.3	25.9
125	13.5	9.3	13.9

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 2.626 ng
RT: 26.65 min Scan# 4023
Delta R.T. -0.02 min
Lab File: BM022764.D
Acq: 24 Sep 2019 23:53

Tgt Ion:	276	Resp:	144041
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.1	28.7
138	21.7	18.5	27.7

