

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
 Data File : BM024705.D
 Acq On : 03 Feb 2020 18:48
 Operator : CG/JU
 Sample : L1318-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RAINEY-PARK-BH-04-B

Manual Integrations
 APPROVED

Quant Time: Feb 04 04:04:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	263105	20.00	ng	-0.02
21) Naphthalene-d8	10.18	136	980300	20.00	ng	-0.02
39) Acenaphthene-d10	14.07	164	652170	20.00	ng	-0.02
64) Phenanthrene-d10	16.83	188	1422897	20.00	ng	-0.02
76) Chrysene-d12	21.04	240	1323808	20.00	ng	-0.02
87) Perylene-d12	23.15	264	1556215	20.00	ng	-0.01

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System Monitoring Compounds

5) 2-Fluorophenol	5.07	112	1559843	112.75	ng	-0.01
7) Phenol-d6	6.63	99	1962346	102.96	ng	-0.02
23) Nitrobenzene-d5	8.56	82	1264809	63.27	ng	-0.02
42) 2,4,6-Tribromophenol	15.57	330	1163257	109.65	ng	-0.02
45) 2-Fluorobiphenyl	12.69	172	3234773	67.43	ng	-0.02
79) Terphenyl-d14	19.49	244	5117185	72.17	ng	-0.02

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Target Compounds

						Qvalue
50) Dimethylphthalate	13.55	163	179156	3.397	ng	99
71) Phenanthrene	16.87	178	206266	2.677	ng	98
75) Fluoranthene	18.90	202	422385	4.392	ng	99
78) Pyrene	19.26	202	385458	4.417	ng	99
81) Benzo(a)anthracene	21.02	228	204431	2.225	ng	98
83) Chrysene	21.07	228	214967	2.452	ng	98
88) Benzo(b)fluoranthene	22.53	252	287216m	2.846	ng	
90) Benzo(a)pyrene	23.06	252	193144	2.105	ng	# 96

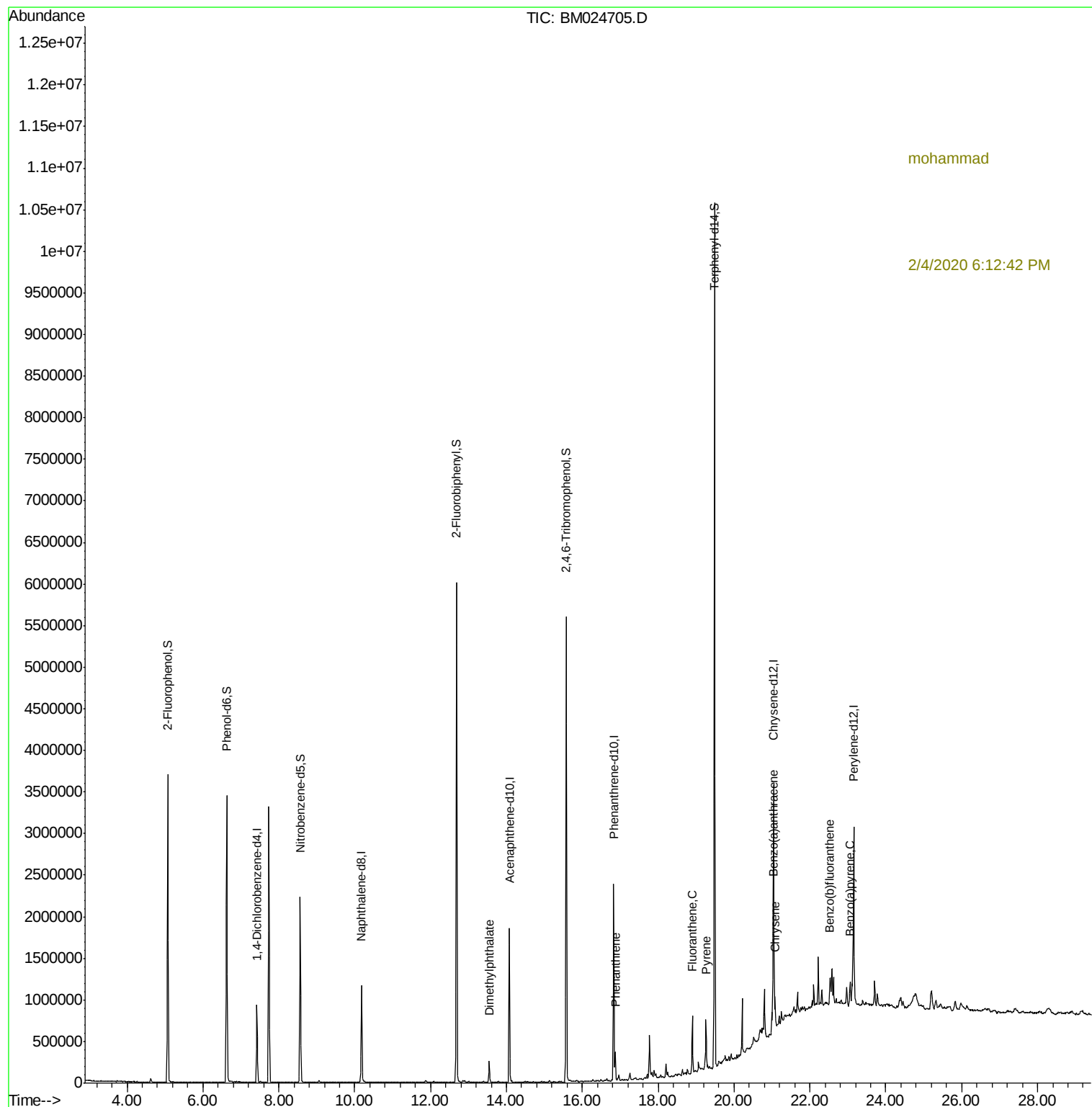
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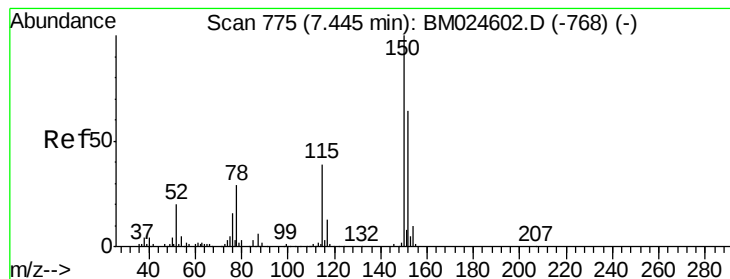
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
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RAINEY-PARK-BH-04-B

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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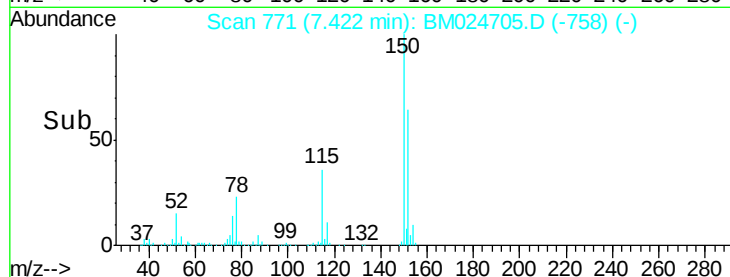
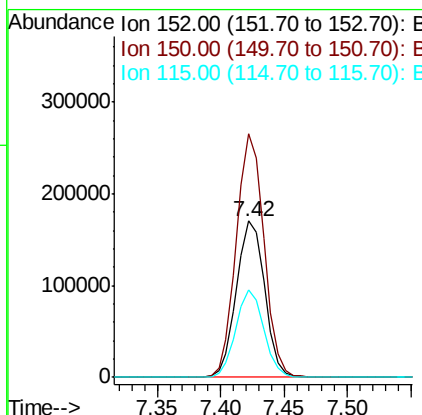
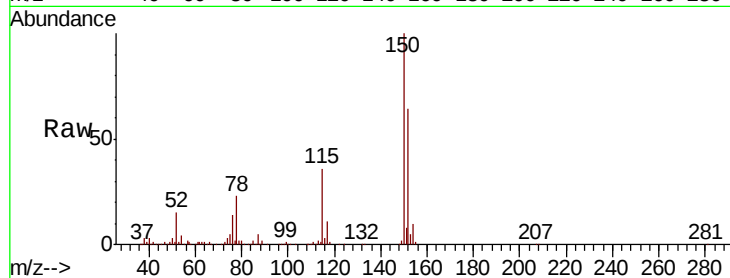


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.42 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BM024705.D
 Acq: 03 Feb 2020 18:48

Instrument :
 BNA_M
 ClientSampleId :
 RAINEY-PARK-BH-04-B

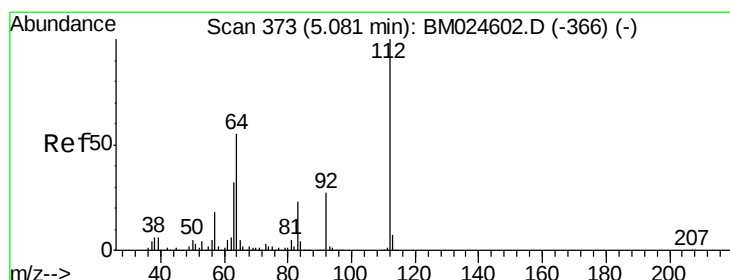
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.2	186.4
115	56.4	48.6	72.8

Manual Integrations
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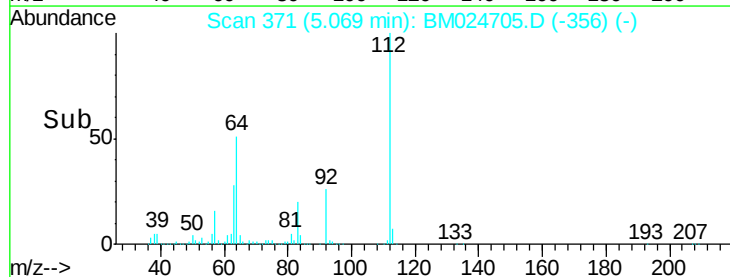
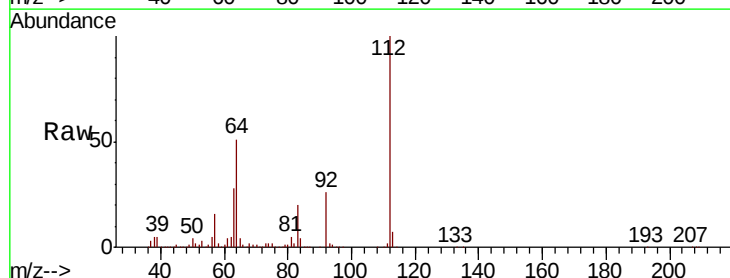
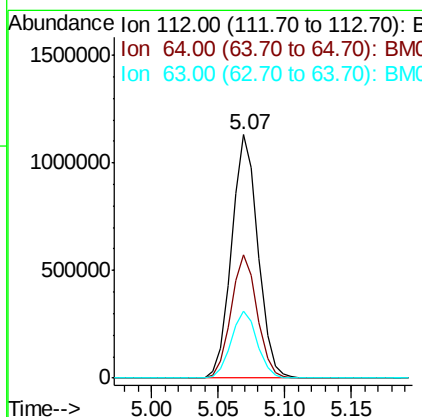
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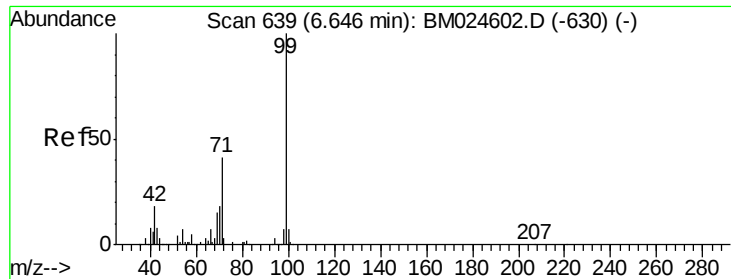
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#5
 2-Fluorophenol
 Concen: 112.748 ng
 RT: 5.07 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: BM024705.D
 Acq: 03 Feb 2020 18:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.7	44.2	66.4
63	27.6	25.9	38.9





#7

Phenol-d6

Concen: 102.965 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.02 min

Lab File: BM024705.D

Acq: 03 Feb 2020 18:48

Instrument :

BNA_M

ClientSampleId :

RAINEY-PARK-BH-04-B

Tot Ion: 99 Resp: 1962346

Ion Ratio Lower Upper

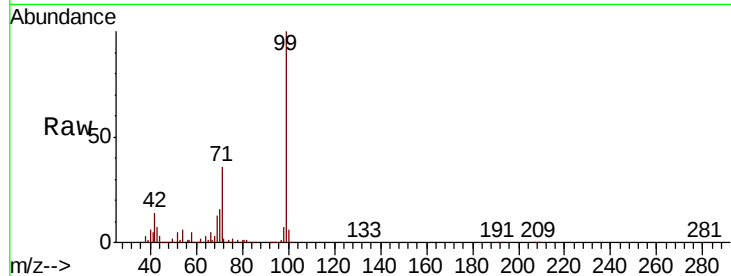
99 100

42 14.0 14.1 21.1#

71 36.4 33.0 49.6

Manual Integrations

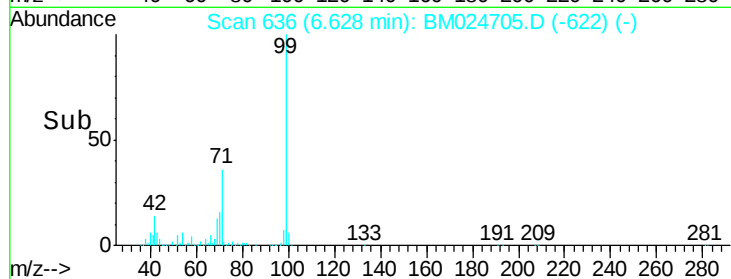
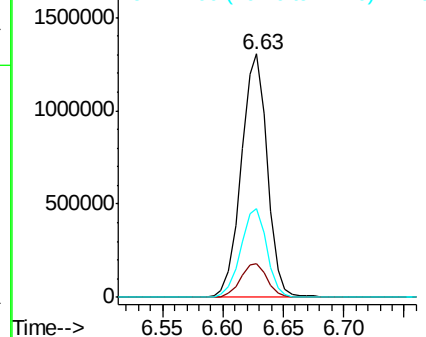
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Abundance Ion 99.00 (98.70 to 99.70): BM024602.D (-630) (-)

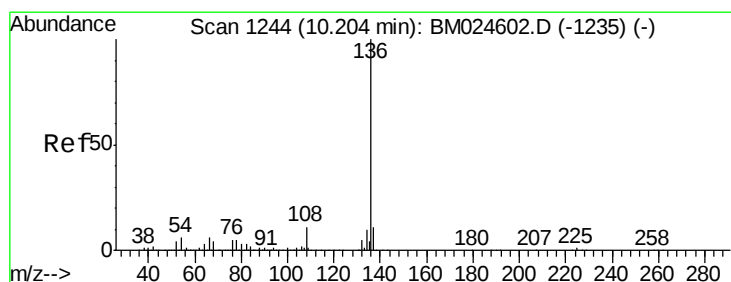
Ion 42.00 (41.70 to 42.70): BM024602.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM024602.D (-630) (-)



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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BM024705.D

Acq: 03 Feb 2020 18:48

Tgt Ion: 136 Resp: 980300

Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 4.7 4.5 6.7

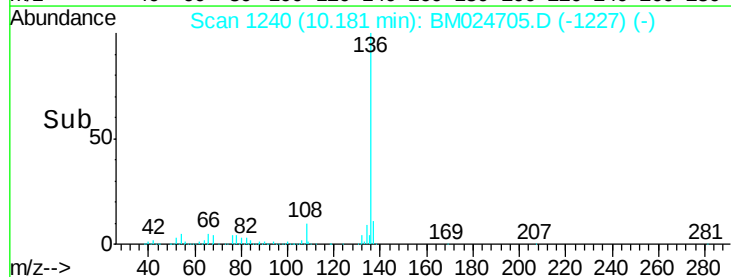
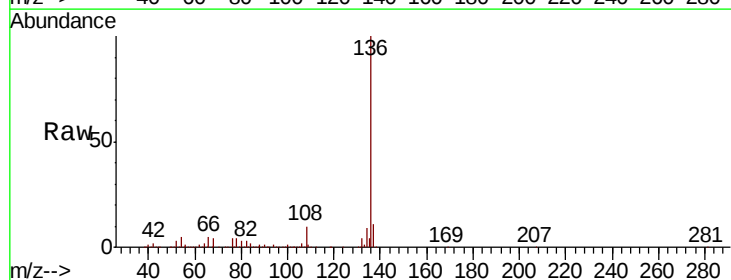
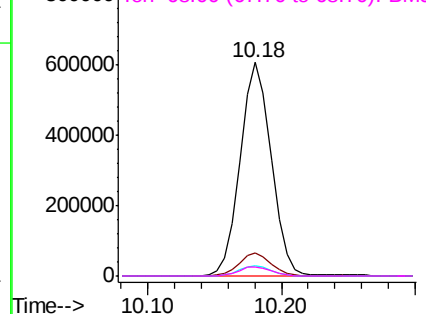
68 4.3 3.4 5.0

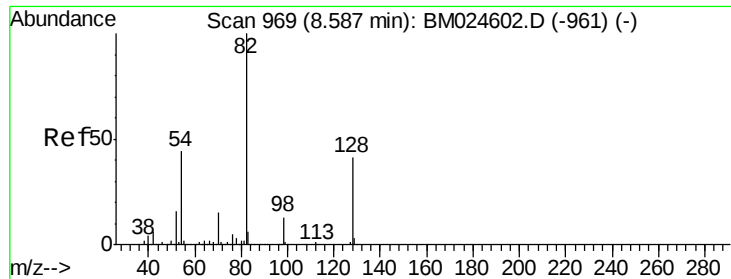
Abundance Ion 136.00 (135.70 to 136.70): BM024602.D (-1235) (-)

Ion 137.00 (136.70 to 137.70): BM024602.D (-1235) (-)

Ion 54.00 (53.70 to 54.70): BM024602.D (-1235) (-)

Ion 68.00 (67.70 to 68.70): BM024602.D (-1235) (-)



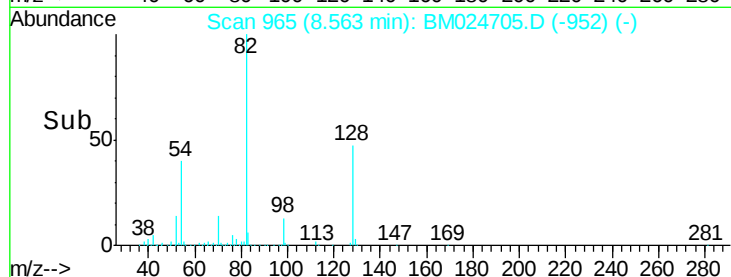
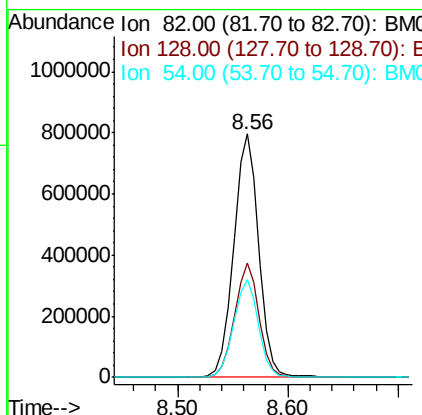
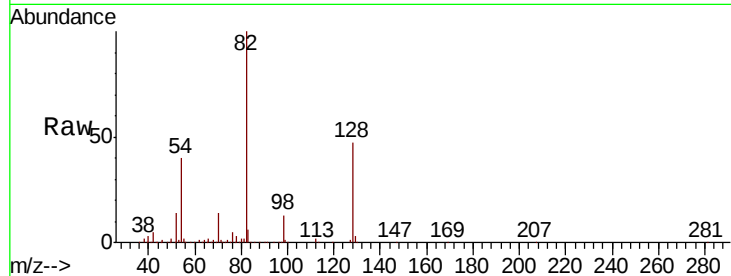


#23
Nitrobenzene-d5
Concen: 63.275 ng
RT: 8.56 min Scan# 965
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-B

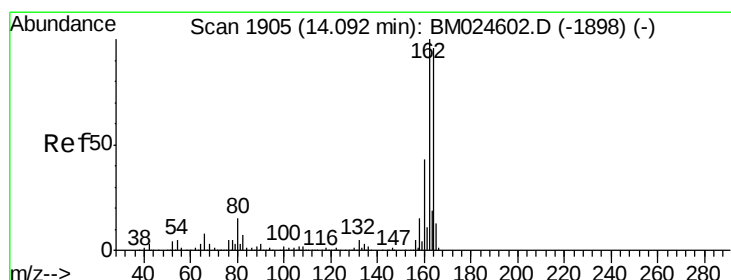
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	32.6	48.8
54	39.9	34.8	52.2

Manual Integrations
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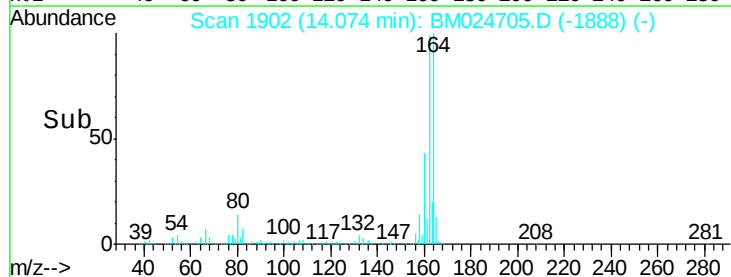
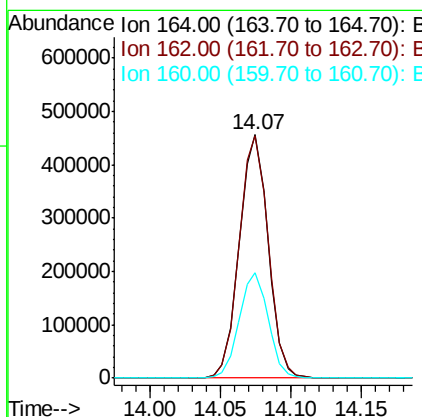
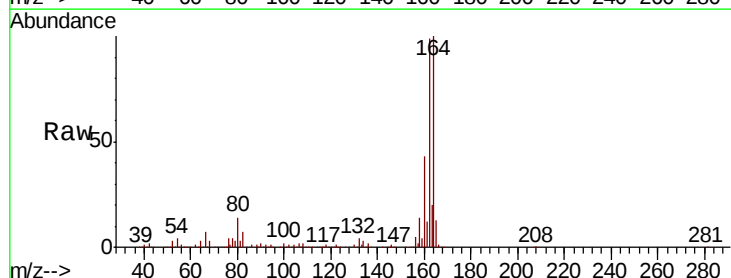
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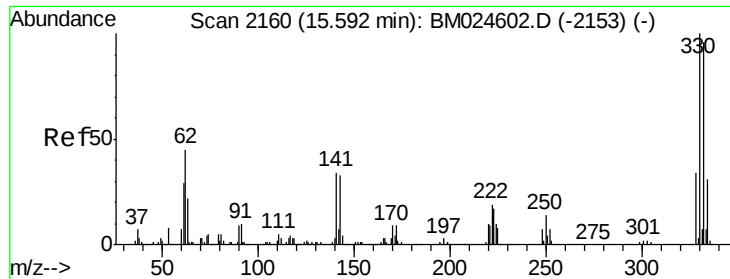
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.07 min Scan# 1902
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	82.9	124.3
160	43.4	35.5	53.3





#42

2,4,6-Tribromophenol

Concen: 109.653 ng

RT: 15.57 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BM024705.D

Acq: 03 Feb 2020 18:48

Instrument :

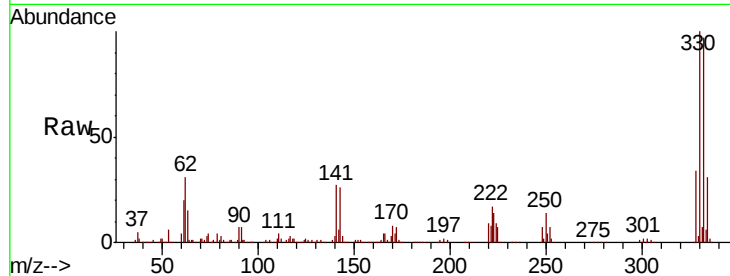
BNA_M

ClientSampleId :

RAINEY-PARK-BH-04-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.2	115.8
141	26.6	26.9	40.3

Manual Integrations
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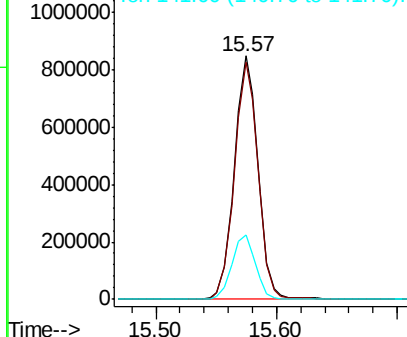


Abundance

Ion 329.80 (329.50 to 330.50): E

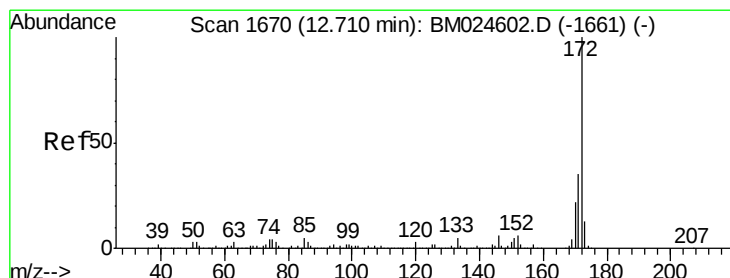
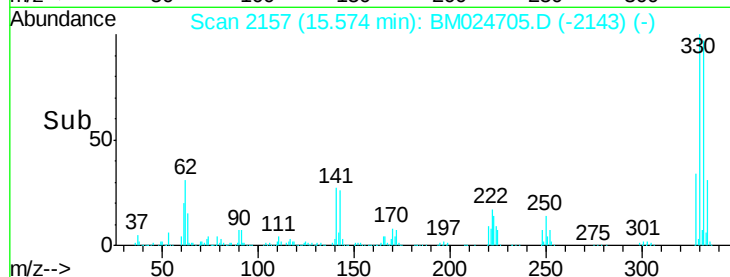
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



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#45

2-Fluorobiphenyl

Concen: 67.432 ng

RT: 12.69 min Scan# 1666

Delta R.T. -0.02 min

Lab File: BM024705.D

Acq: 03 Feb 2020 18:48

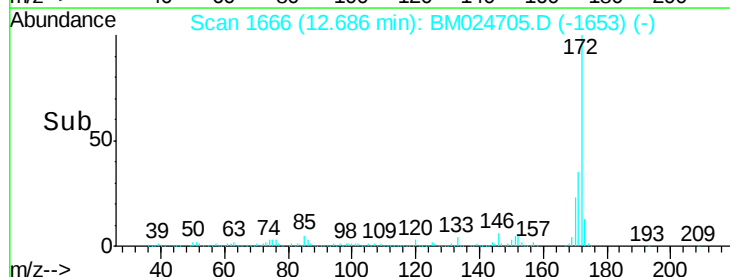
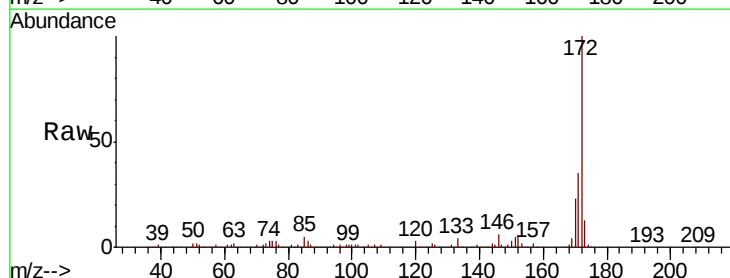
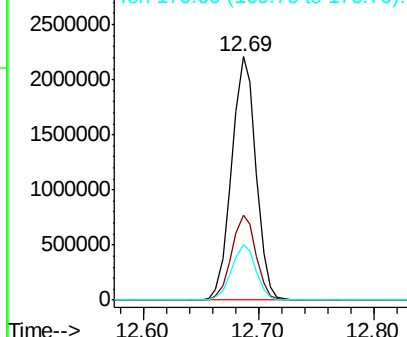
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	22.6	17.9	26.9

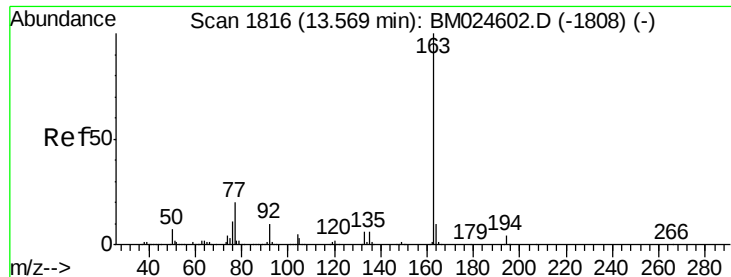
Abundance

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



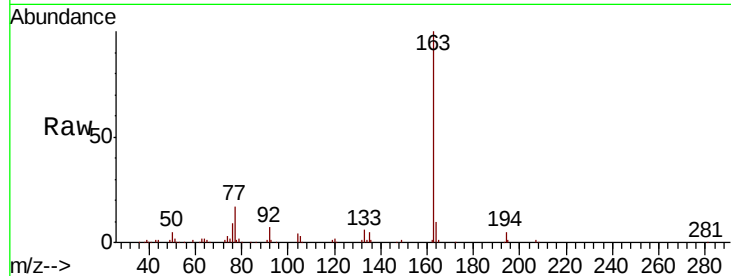


#50
Dimethylphthalate
Concen: 3.397 ng
RT: 13.55 min Scan# 1812
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

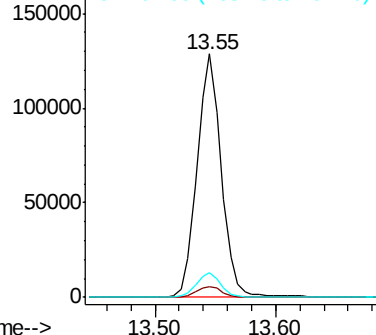
Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-B

Tot Ion:	163	Resp:	179156
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.4	5.0
164	10.2	8.0	12.0

Manual Integrations
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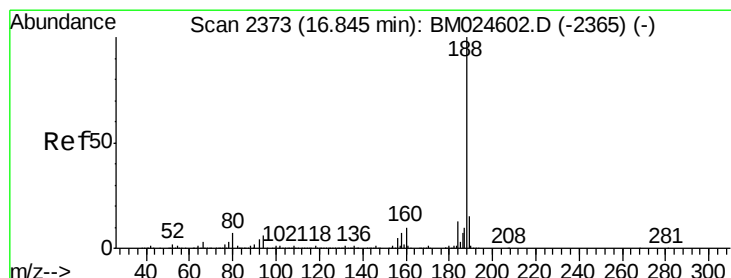
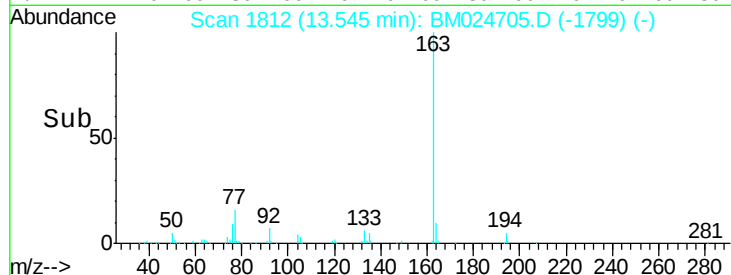


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



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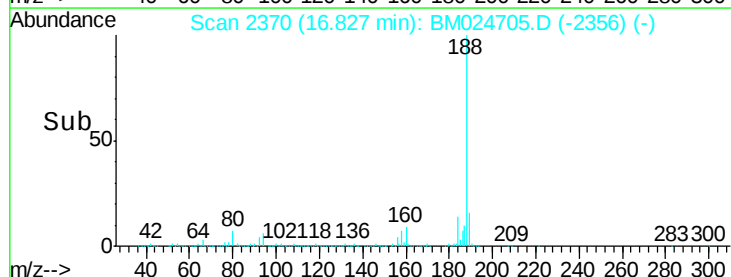
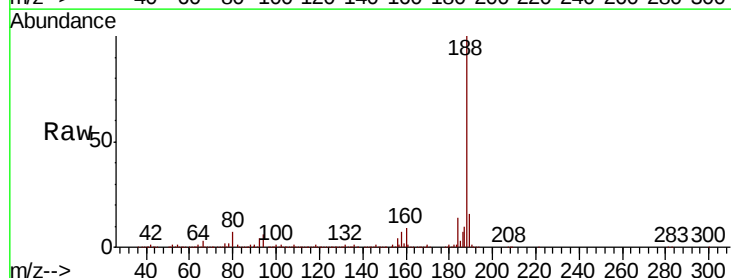
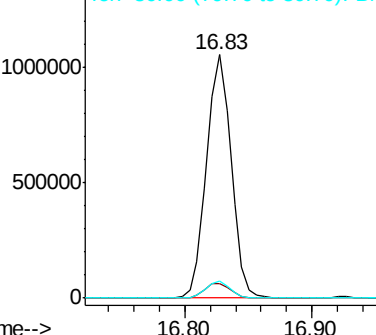
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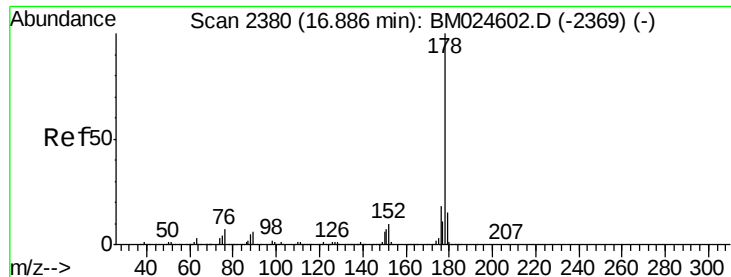


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.83 min Scan# 2370
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

Tgt Ion:	188	Resp:	1422897
Ion Ratio	Lower	Upper	
188	100		
94	6.2	5.0	7.6
80	7.1	5.8	8.8

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0



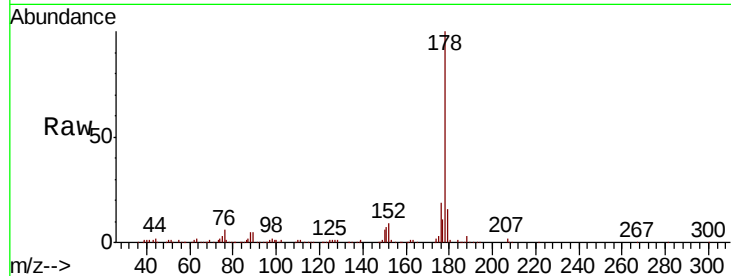


#71
Phenanthrene
Concen: 2.677 ng
RT: 16.87 min Scan# 2377
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

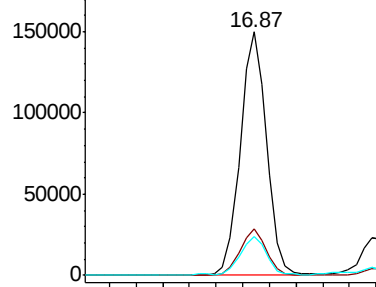
Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.5	21.7
179	16.1	11.9	17.9

Manual Integrations
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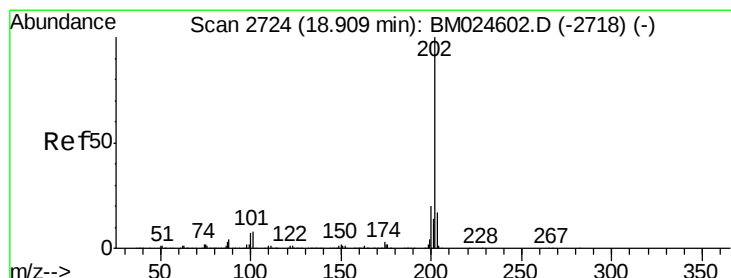
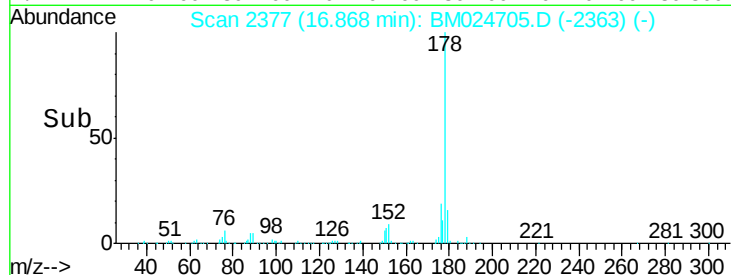


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



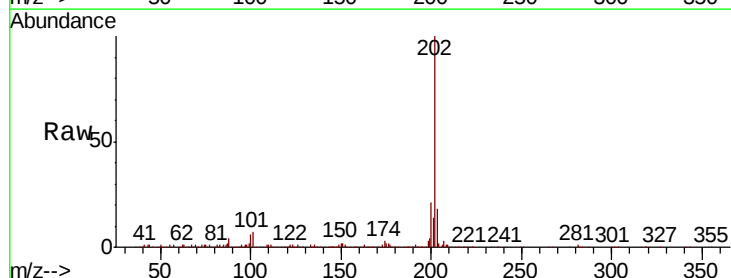
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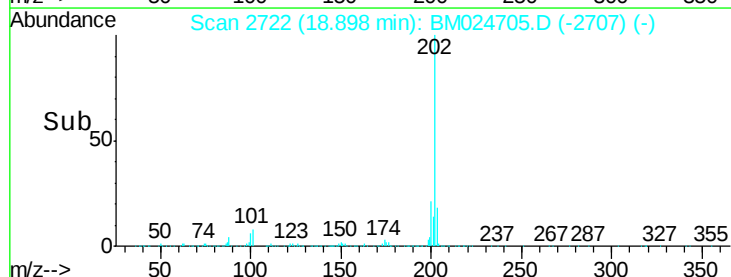
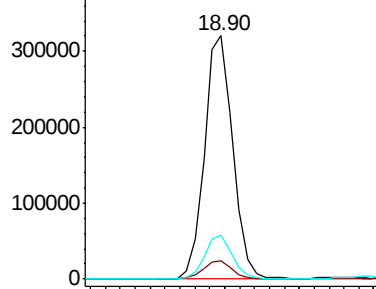


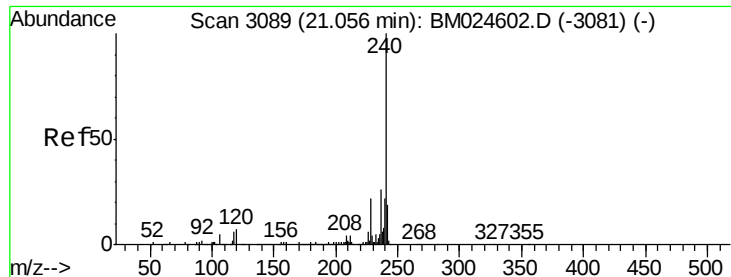
#75
Fluoranthene
Concen: 4.392 ng
RT: 18.90 min Scan# 2722
Delta R.T. -0.01 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	28.4
203	17.8	0.0	37.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



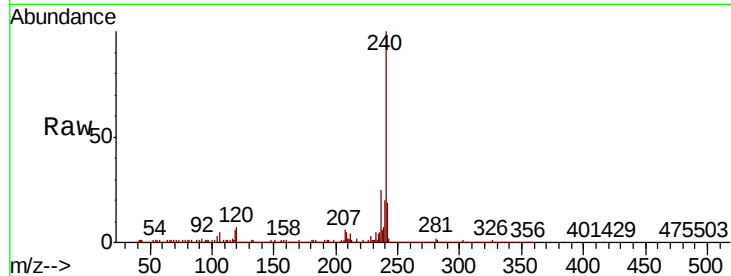


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.04 min Scan# 3086
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

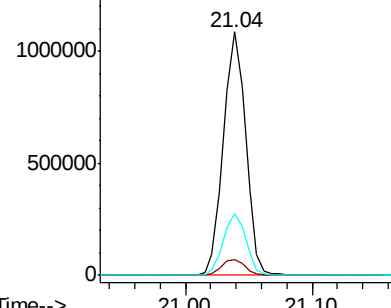
Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.6	5.3	7.9
236	25.5	20.6	31.0

Manual Integrations
APPROVED

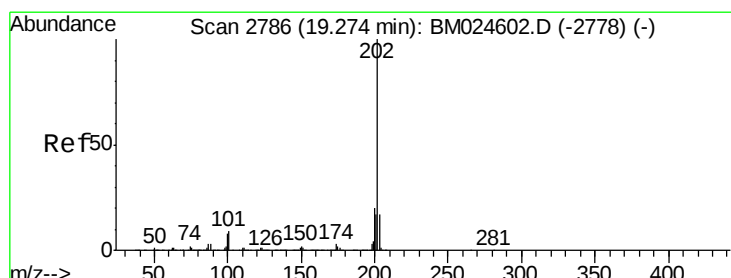
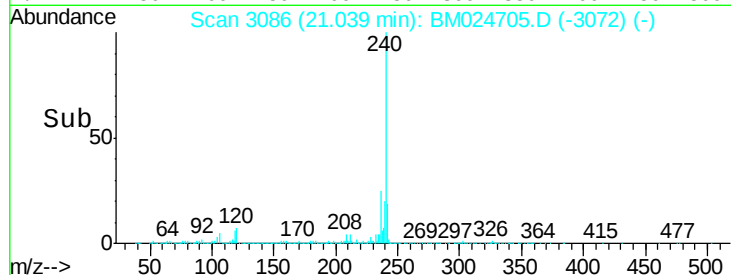


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



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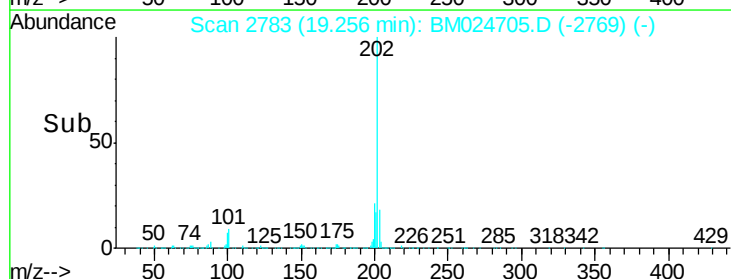
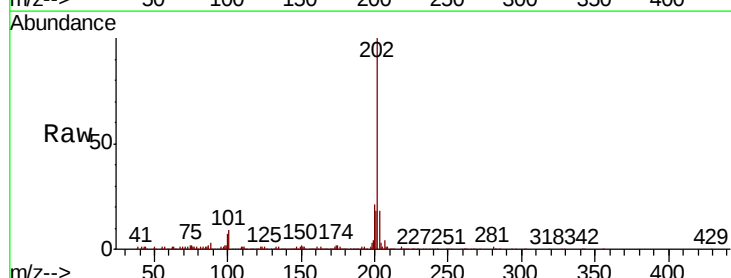
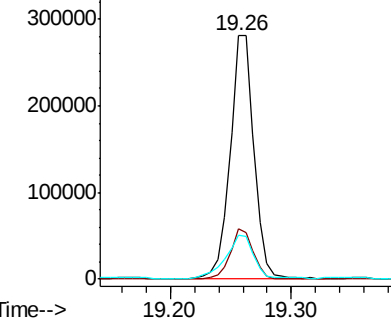
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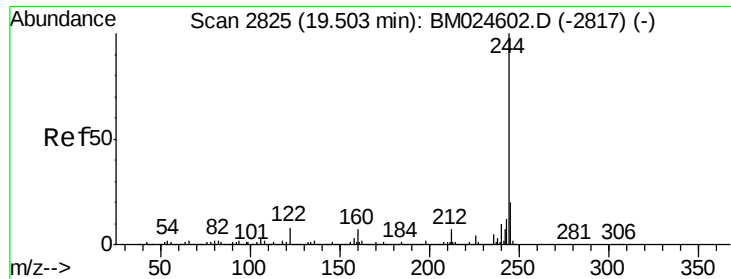


#78
Pyrene
Concen: 4.417 ng
RT: 19.26 min Scan# 2783
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.2
203	18.2	14.0	21.0

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



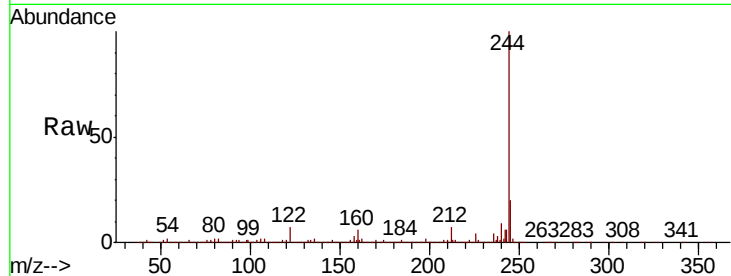


#79
 Terphenyl-d14
 Concen: 72.165 ng
 RT: 19.49 min Scan# 2822
 Delta R.T. -0.02 min
 Lab File: BM024705.D
 Acq: 03 Feb 2020 18:48

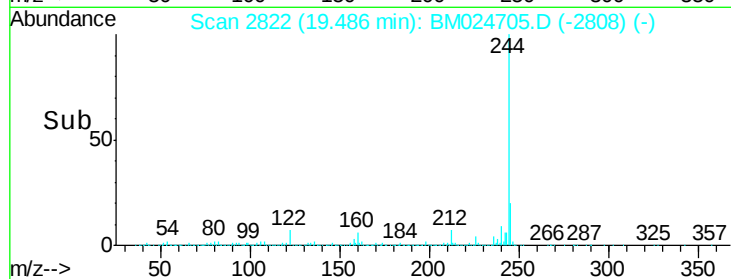
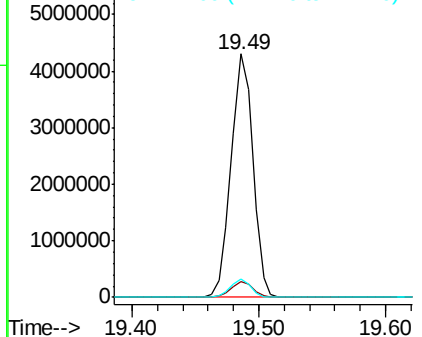
Instrument :
 BNA_M
 ClientSampleId :
 RAINEY-PARK-BH-04-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	7.4	6.2	9.4

Manual Integrations
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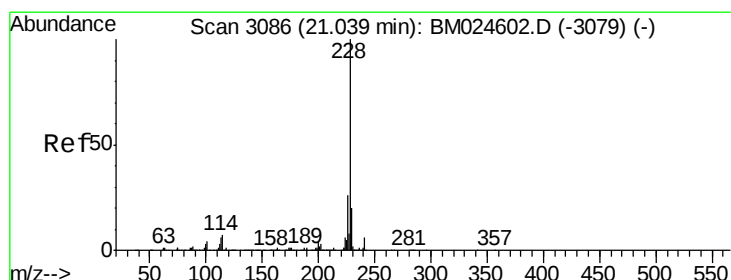


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



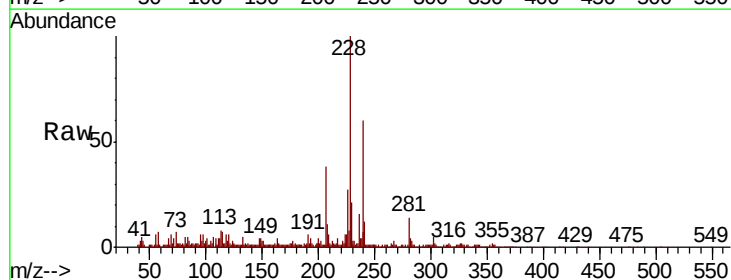
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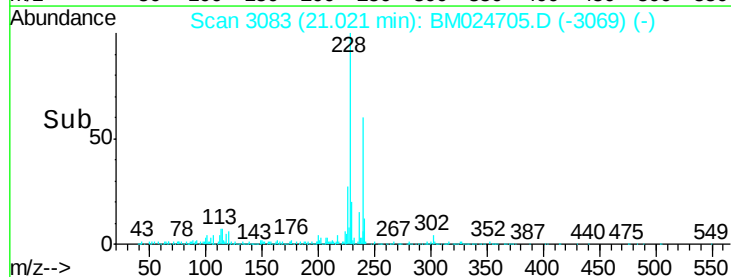
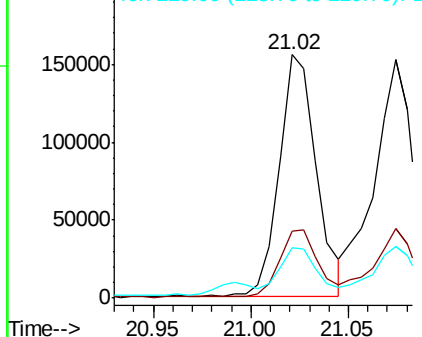


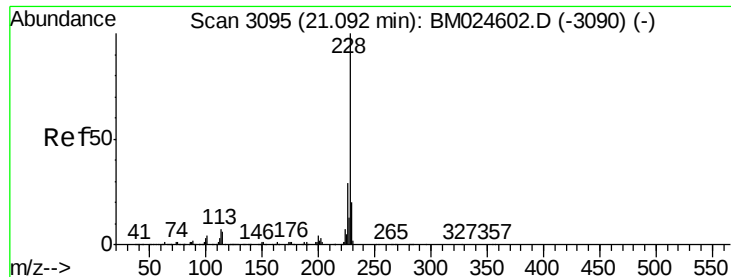
#81
 Benzo(a)anthracene
 Concen: 2.225 ng
 RT: 21.02 min Scan# 3083
 Delta R.T. -0.02 min
 Lab File: BM024705.D
 Acq: 03 Feb 2020 18:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.1	31.7
229	20.7	15.8	23.6



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



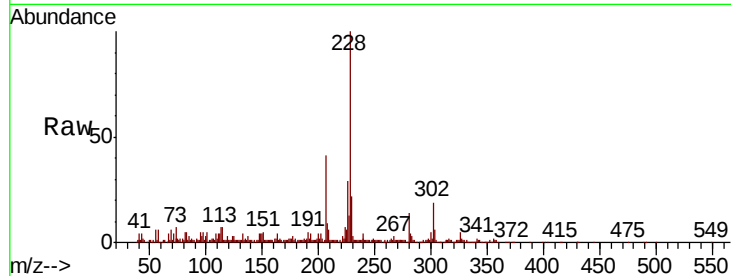


#83
Chrysene
Concen: 2.452 ng
RT: 21.07 min Scan# 3092
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	21.6	15.7	23.5

Manual Integrations
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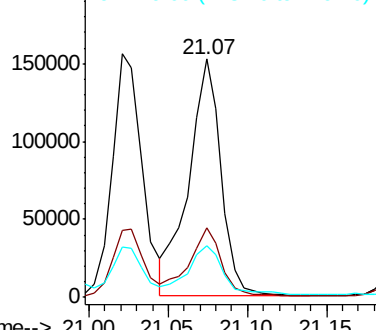


Abundance

Ion 228.00 (227.70 to 228.70): E

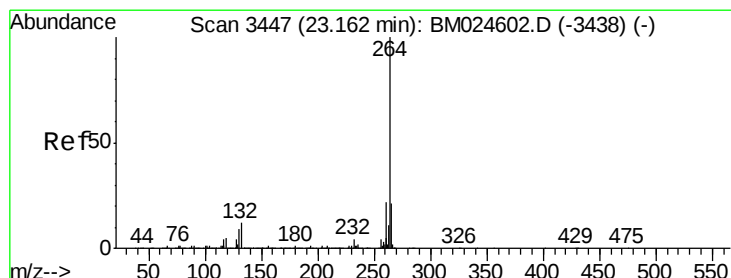
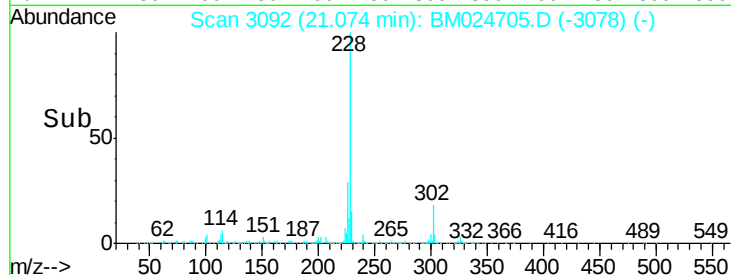
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.15 min Scan# 3445
Delta R.T. -0.01 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

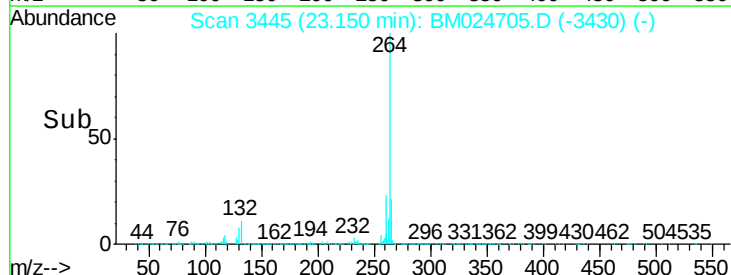
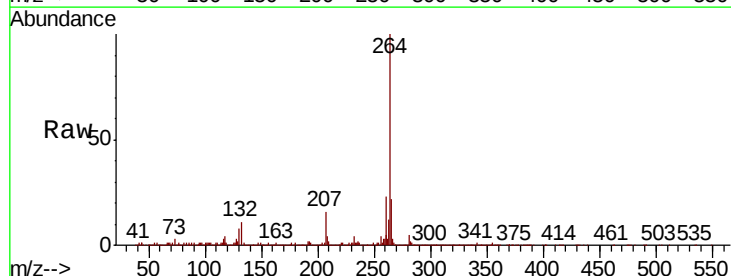
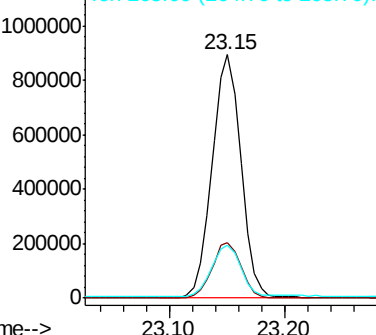
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.9	26.9
265	21.8	17.3	25.9

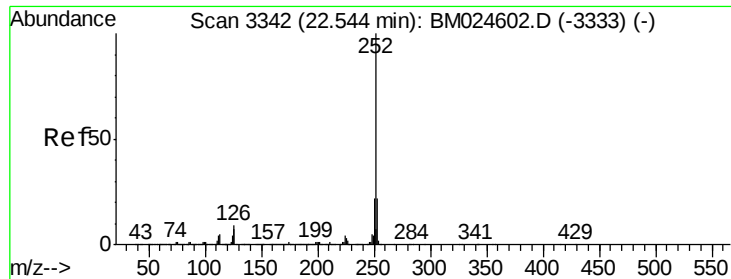
Abundance

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



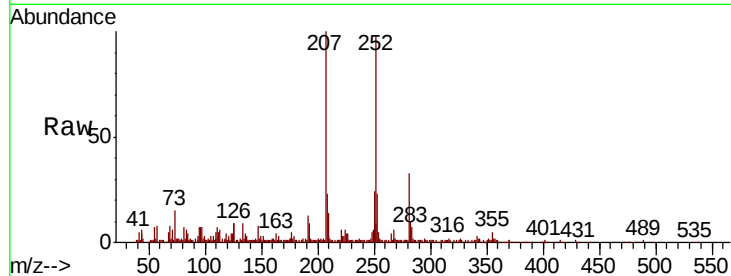


#88
Benzo(b)fluoranthene
Concen: 2.846 ng m
RT: 22.53 min Scan# 3340
Delta R.T. -0.01 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

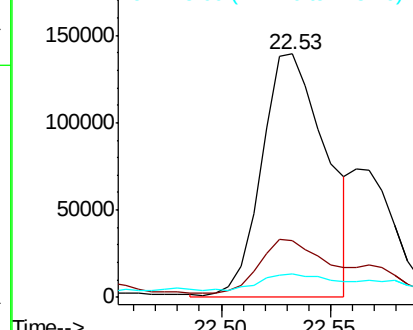
Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	9.5	5.7	8.5

Manual Integrations
APPROVED

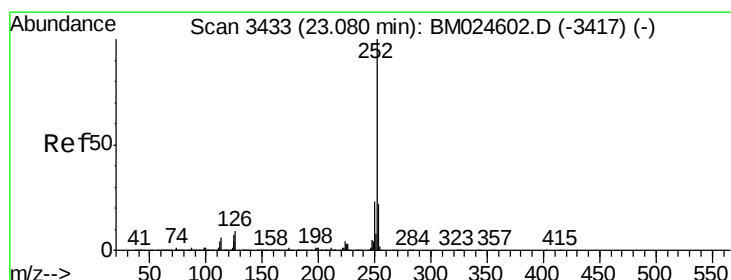
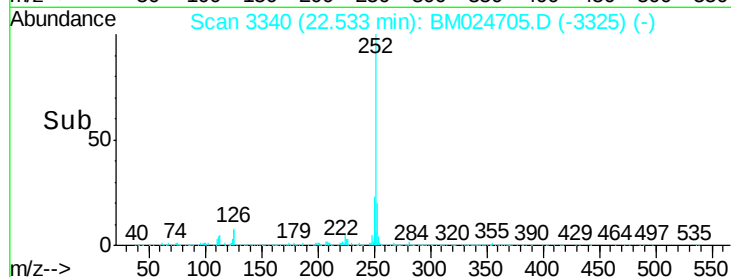


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



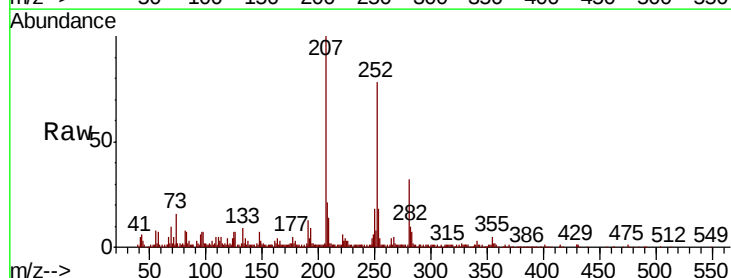
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#90
Benzo(a)pyrene
Concen: 2.105 ng
RT: 23.06 min Scan# 3429
Delta R.T. -0.02 min
Lab File: BM024705.D
Acq: 03 Feb 2020 18:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	9.6	5.8	8.8



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

