

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022461.D
 Acq On : 31 Aug 2019 03:26
 Operator : HP/JU
 Sample : K4439-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S-2-(1-3)

Manual Integrations
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 8/31/2019 2:44:09 PM

Quant Time: Aug 31 05:57:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 16:51:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	22568	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	80134	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	50423	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	122152	20.00	ng	0.00
76) Chrysene-d12	21.17	240	207865	20.00	ng	0.00
87) Perylene-d12	23.36	264	257433	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	56516	43.96	ng	0.00
7) Phenol-d6	6.72	99	69803	40.60	ng	0.00
23) Nitrobenzene-d5	8.69	82	48857	26.70	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	34912	33.84	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	102492	23.03	ng	0.00
79) Terphenyl-d14	19.59	244	249601	15.85	ng	-0.01

Target Compounds				Qvalue		
50) Dimethylphthalate	13.66	163	11247	2.565	ng	99
52) Acenaphthene	14.25	154	6026	2.035	ng	93
71) Phenanthrene	16.99	178	182042	25.567	ng	99
72) Anthracene	17.09	178	36619	5.227	ng	99
75) Fluoranthene	19.02	202	550546	58.062	ng	98
78) Pyrene	19.39	202	568841	40.155	ng	100
81) Benzo(a)anthracene	21.15	228	371198	24.880	ng	99
83) Chrysene	21.20	228	333714	23.499	ng	98
86) Indeno(1,2,3-cd)pyrene	25.54	276	219759	15.385	ng	98
88) Benzo(b)fluoranthene	22.71	252	453374m	25.351	ng	
89) Benzo(k)fluoranthene	22.74	252	153966m	8.678	ng	
90) Benzo(a)pyrene	23.26	252	349659	22.027	ng	99
91) Dibenzo(a,h)anthracene	25.54	278	59031	3.729	ng	# 86
92) Benzo(g,h,i)perylene	26.22	276	218357	15.828	ng	97

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

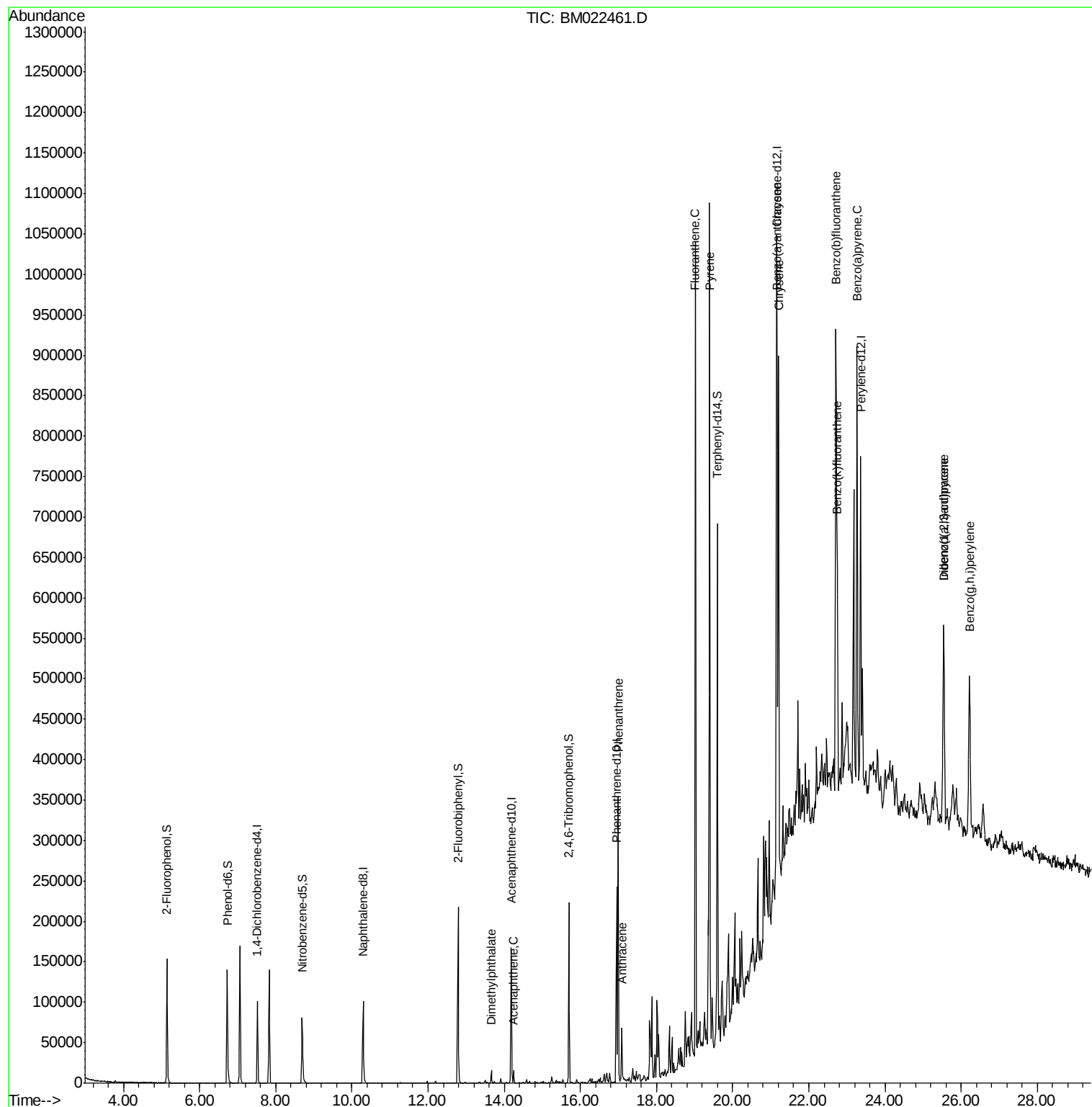
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022461.D
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ALS Vial : 18 Sample Multiplier: 1

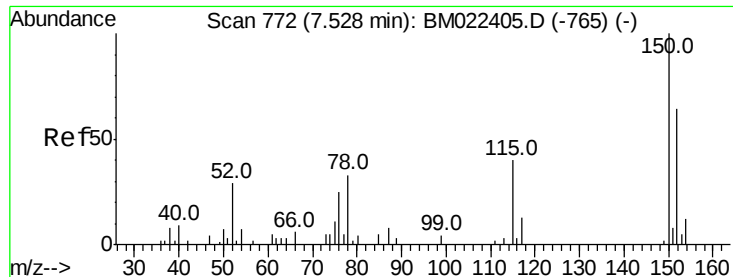
Instrument :
BNA_M
ClientSampled :
S-2-(1-3)

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Quant Time: Aug 31 05:57:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 16:51:32 2019
Response via : Initial Calibration





#1

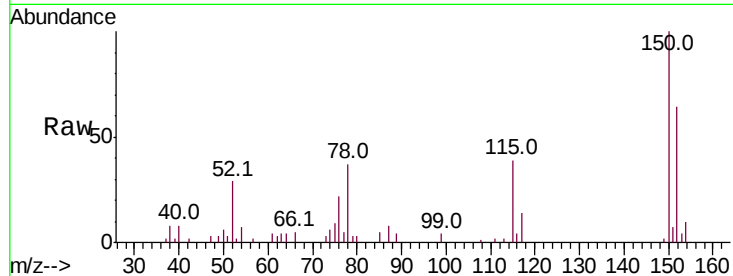
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022461.D
Acq: 31 Aug 2019 03:26

Instrument :
BNA_M
ClientSampleId :
S-2-(1-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.4	188.0
115	60.7	50.3	75.5

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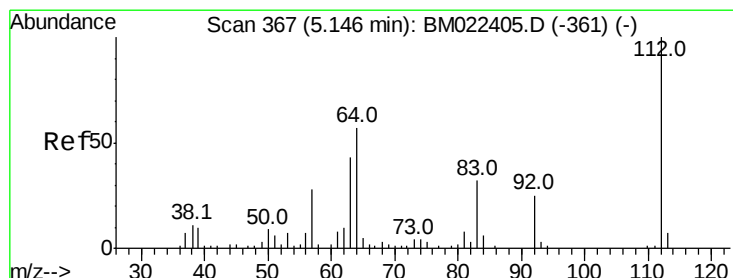
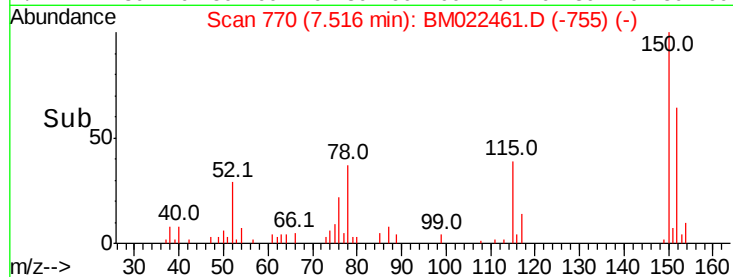
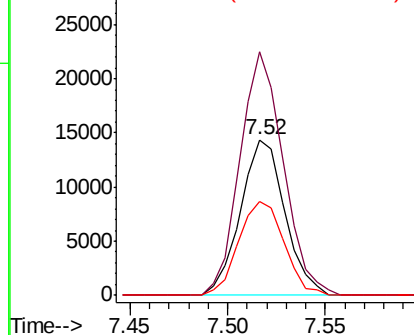


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

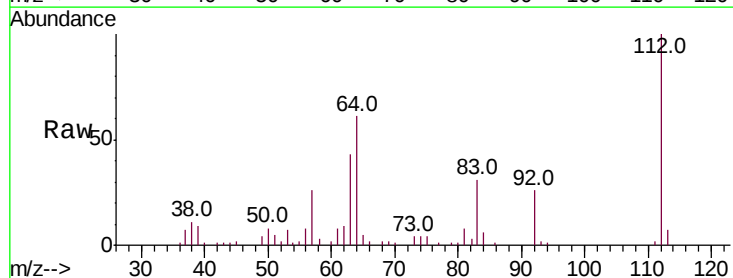
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 43.958 ng
RT: 5.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: BM022461.D
Acq: 31 Aug 2019 03:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	45.4	68.2
63	43.1	34.5	51.7

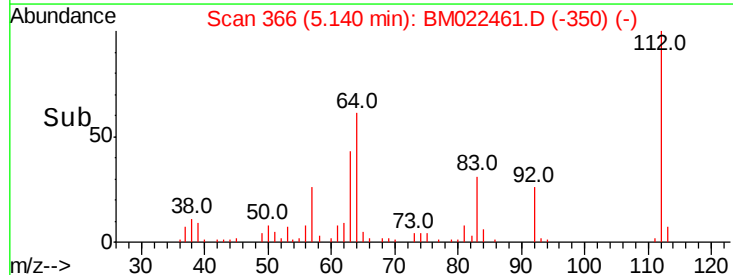
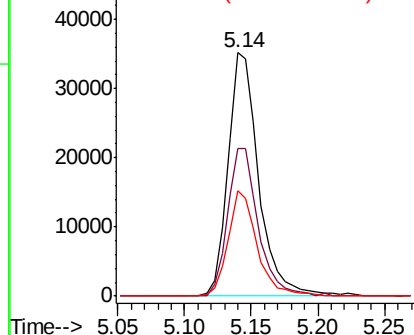


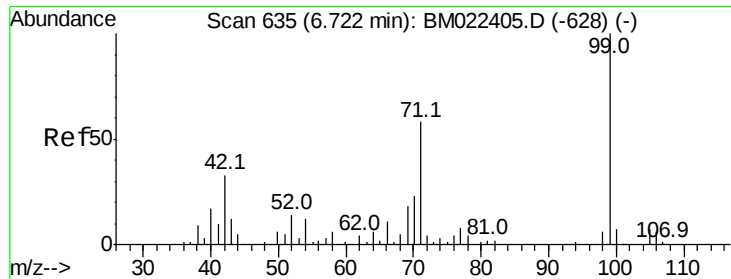
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 40.600 ng

RT: 6.72 min Scan# 635

Delta R.T. 0.00 min

Lab File: BM022461.D

Acq: 31 Aug 2019 03:26

Instrument :

BNA_M

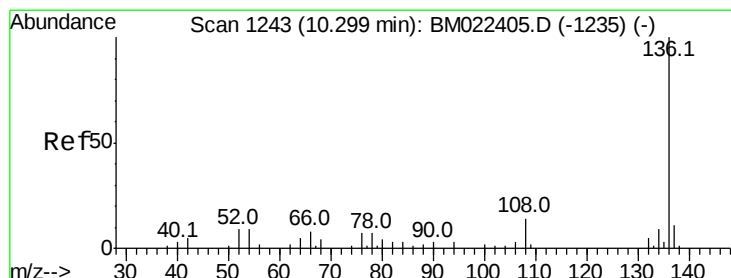
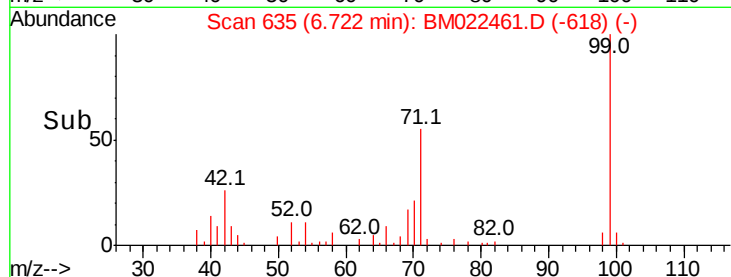
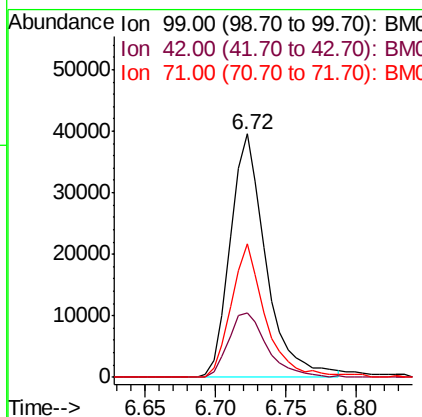
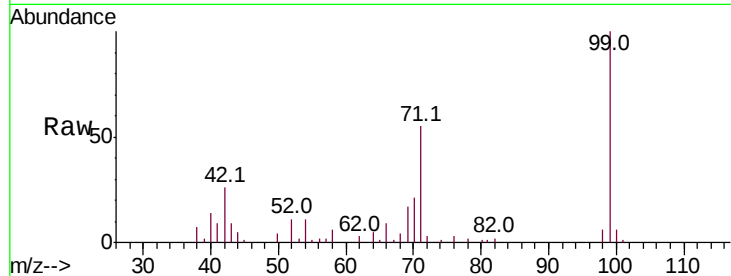
ClientSampled :

S-2-(1-3)

Tot Ion:	99	Resp:	69803
Ion Ratio	Lower	Upper	
99	100		
42	26.5	26.3	39.5
71	54.6	46.6	69.8

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#21

Naphthalene-d8

Concen: 20.000 ng

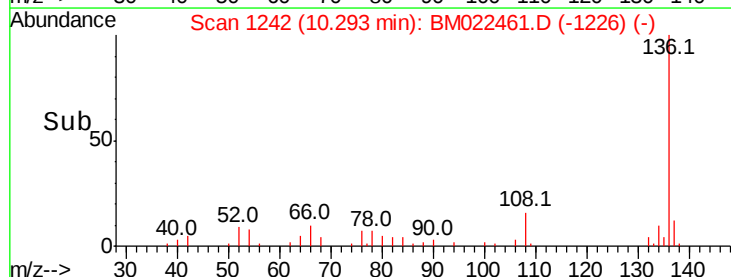
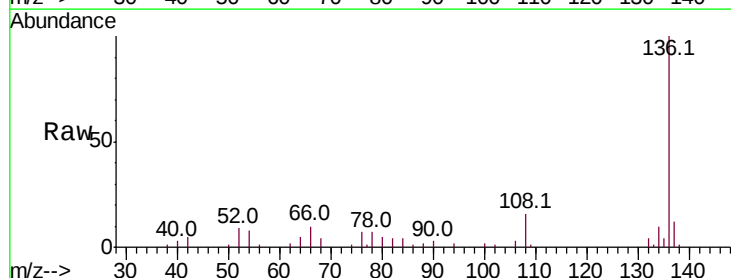
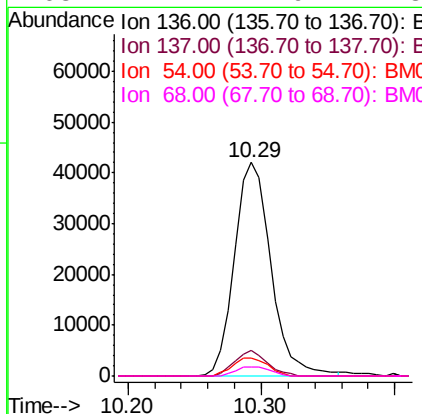
RT: 10.29 min Scan# 1242

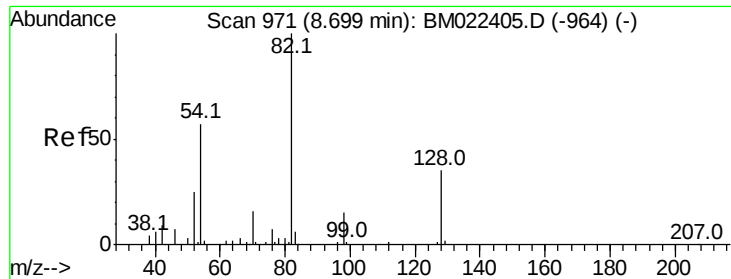
Delta R.T. -0.01 min

Lab File: BM022461.D

Acq: 31 Aug 2019 03:26

Tgt Ion:	136	Resp:	80134
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.6	13.0
54	8.4	7.0	10.6
68	4.2	2.9	4.3





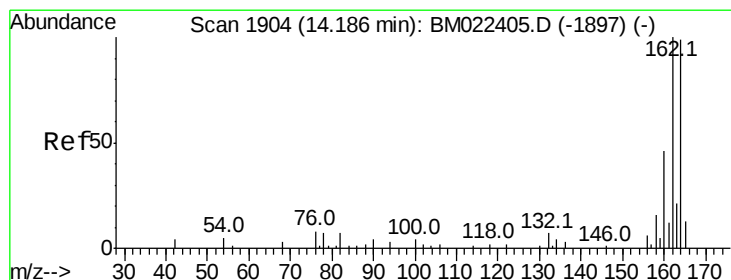
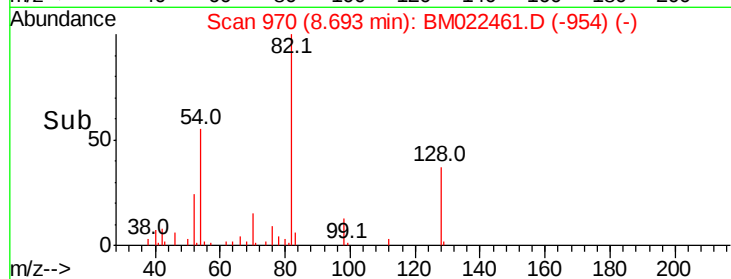
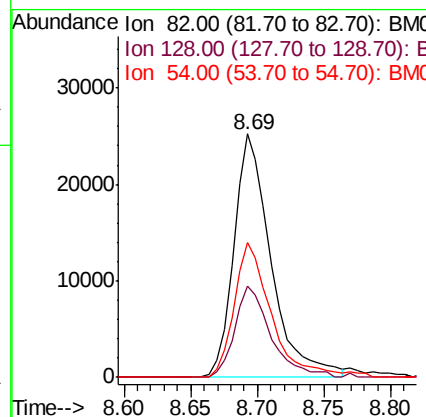
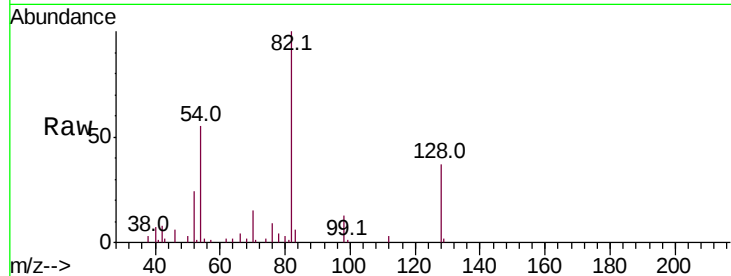
#23
Nitrobenzene-d5
Concen: 26.705 ng
RT: 8.69 min Scan# 970
Delta R.T. -0.01 min
Lab File: BM022461.D
Acq: 31 Aug 2019 03:26

Instrument :
BNA_M
ClientSampleId :
S-2-(1-3)

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.3	27.9	41.9
54	55.3	45.2	67.8

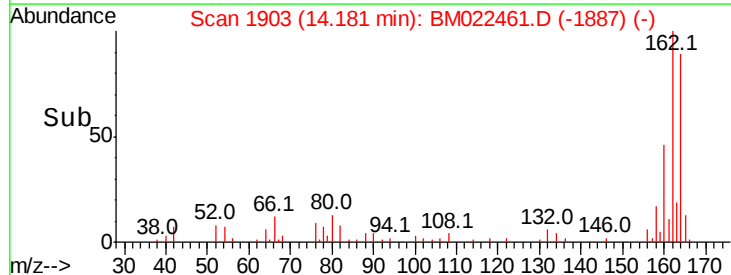
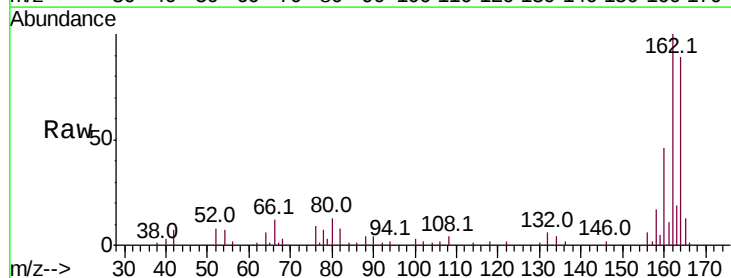
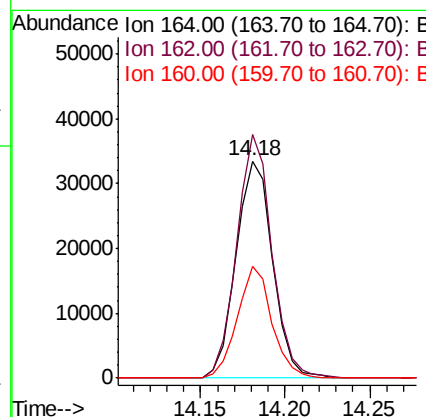
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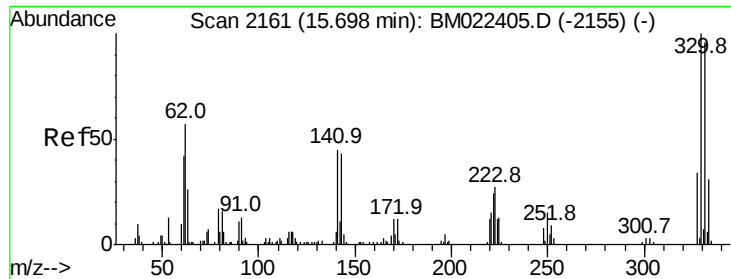
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.18 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM022461.D
Acq: 31 Aug 2019 03:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	112.0	80.6	121.0
160	51.2	37.3	55.9





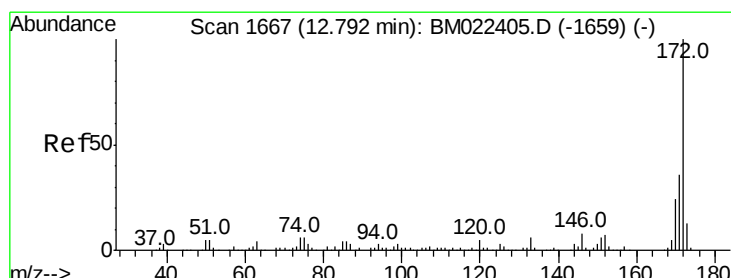
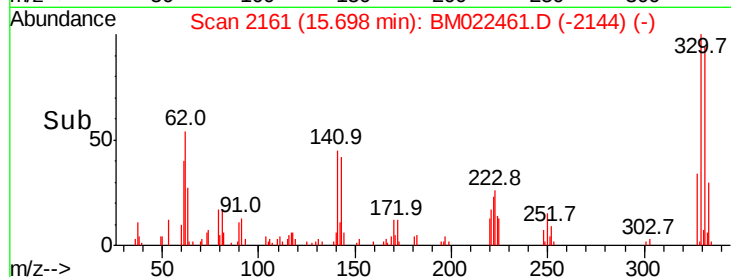
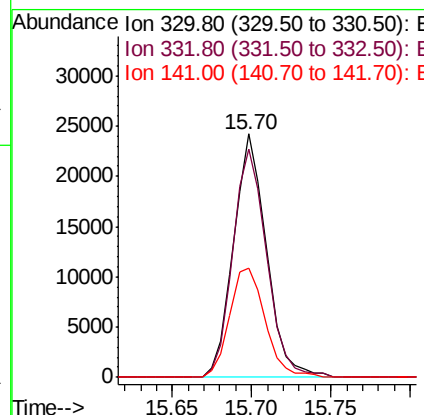
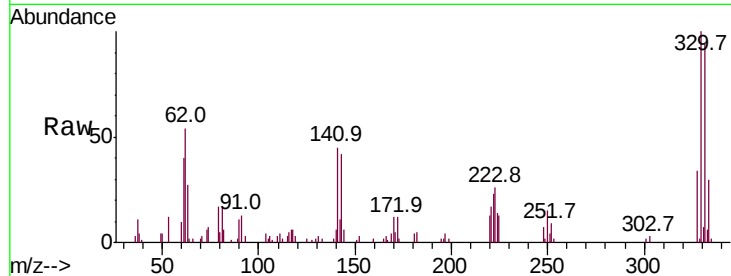
#42
 2,4,6-Tribromophenol
 Concen: 33.836 ng
 RT: 15.70 min Scan# 2161
 Delta R.T. 0.00 min
 Lab File: BM022461.D
 Acq: 31 Aug 2019 03:26

Instrument :
 BNA_M
 ClientSampleId :
 S-2-(1-3)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.8	116.8
141	48.6	35.6	53.4

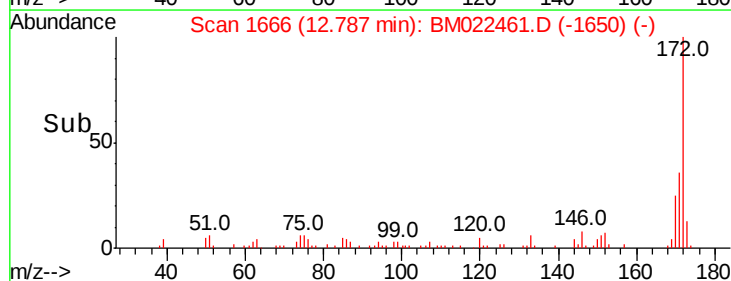
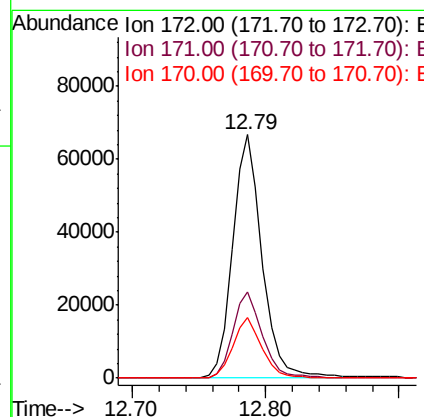
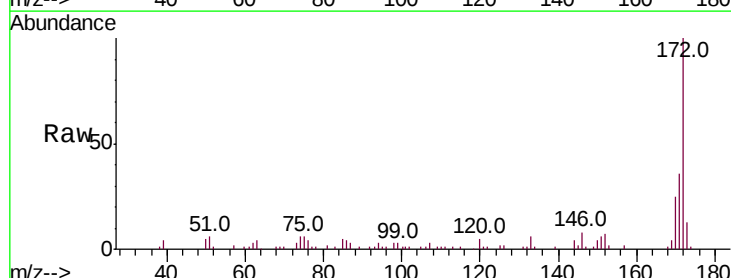
Manual Integrations
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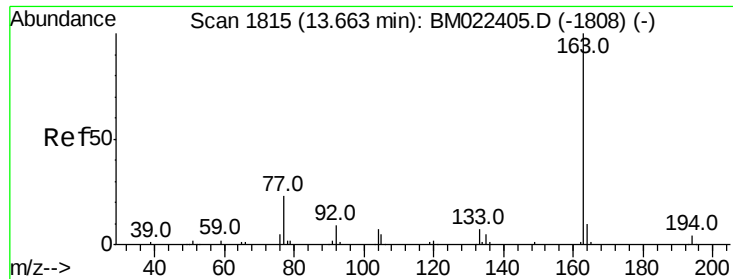
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#45
 2-Fluorobiphenyl
 Concen: 23.027 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM022461.D
 Acq: 31 Aug 2019 03:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.5	42.7
170	24.8	18.9	28.3





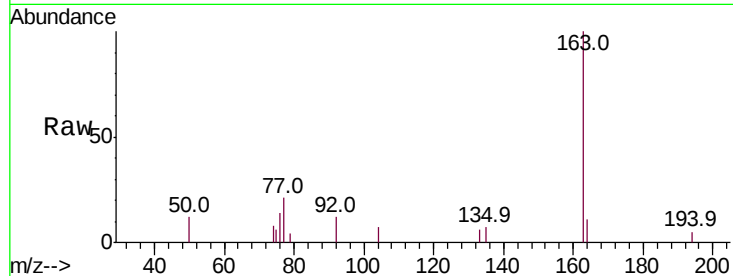
#50
Dimethylphthalate
Concen: 2.565 ng
RT: 13.66 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BM022461.D
Acq: 31 Aug 2019 03:26

Instrument :
BNA_M
ClientSampled :
S-2-(1-3)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.4	5.2
164	10.6	8.2	12.2

Manual Integrations
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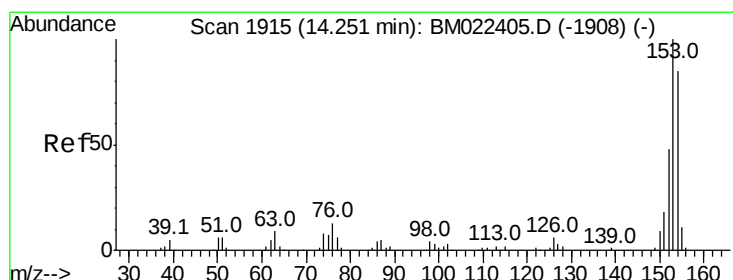
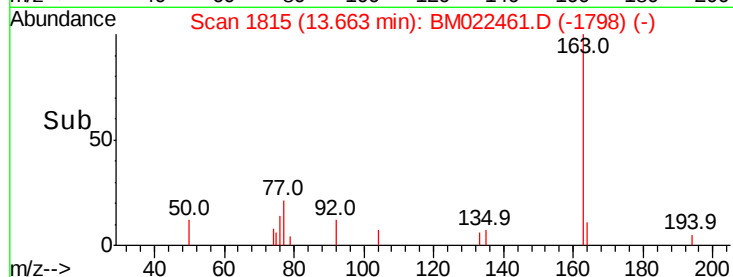
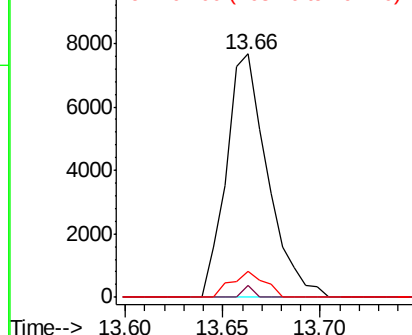


Abundance

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



#52
Acenaphthene
Concen: 2.035 ng
RT: 14.25 min Scan# 1914
Delta R.T. -0.01 min
Lab File: BM022461.D
Acq: 31 Aug 2019 03:26

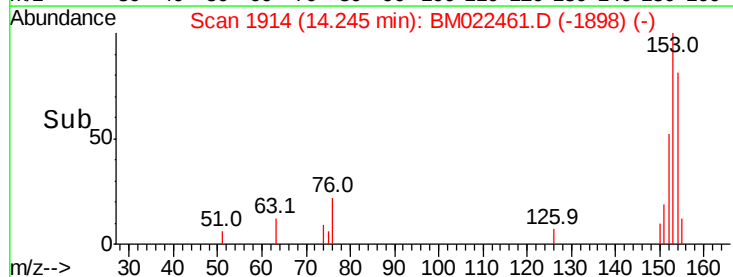
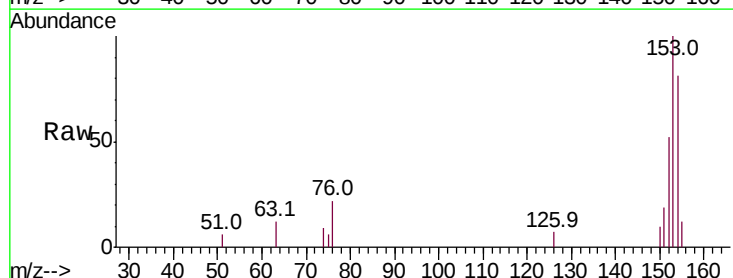
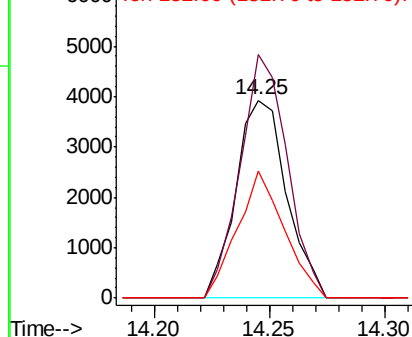
Tgt Ion	Ratio	Lower	Upper
154	100		
153	123.2	94.3	141.5
152	64.5	45.4	68.2

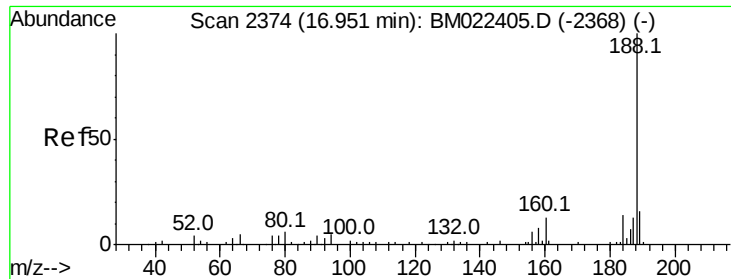
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





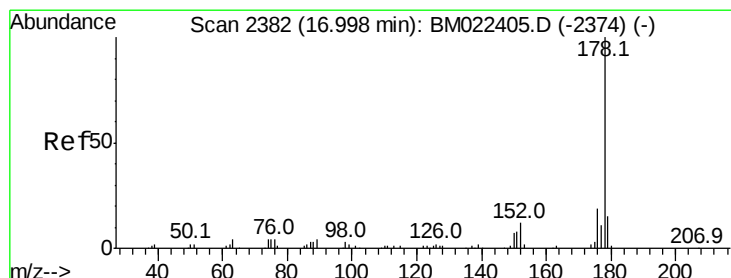
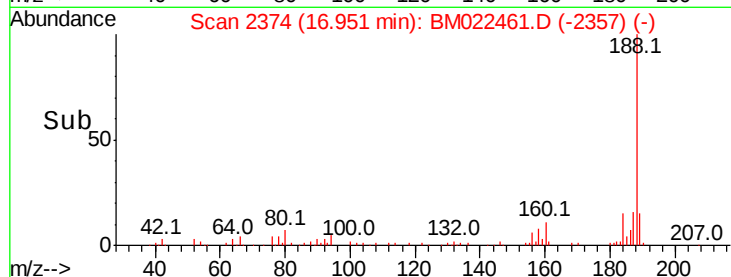
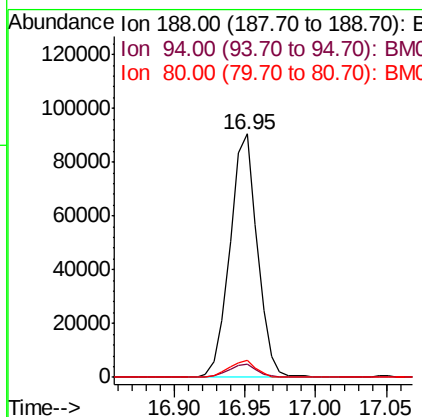
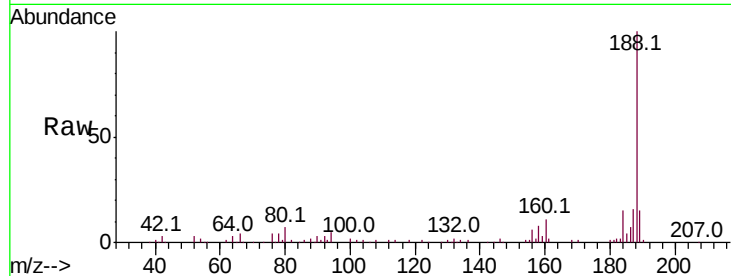
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2374
Delta R.T. 0.00 min
Lab File: BM022461.D
Acq: 31 Aug 2019 03:26

Instrument :
BNA_M
ClientSampleId :
S-2-(1-3)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	5.5	4.4	6.6
80	7.3	5.0	7.6

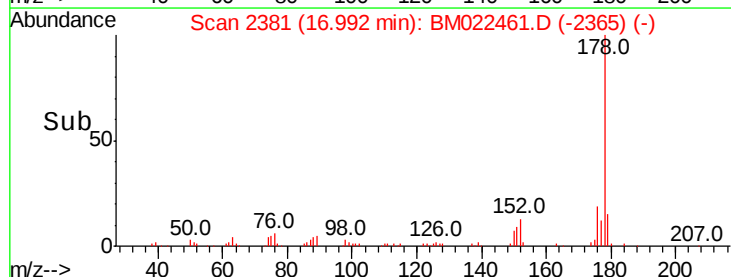
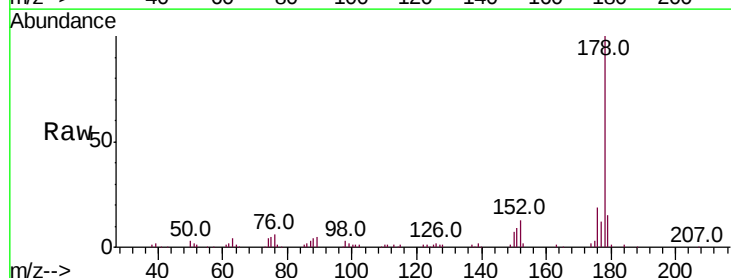
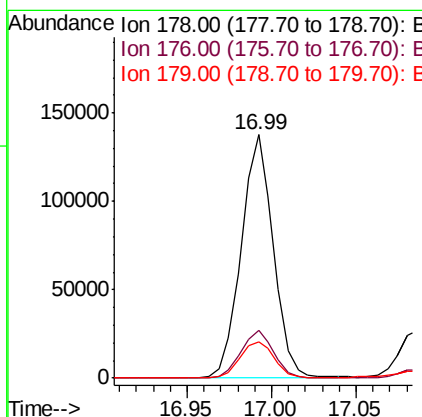
Manual Integrations
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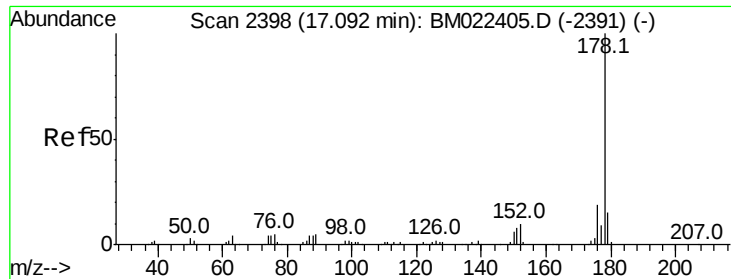
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#71
Phenanthrene
Concen: 25.567 ng
RT: 16.99 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM022461.D
Acq: 31 Aug 2019 03:26

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.0	12.3	18.5





#72

Anthracene

Concen: 5.227 ng

RT: 17.09 min Scan# 2397

Delta R.T. -0.01 min

Lab File: BM022461.D

Acq: 31 Aug 2019 03:26

Instrument :

BNA_M

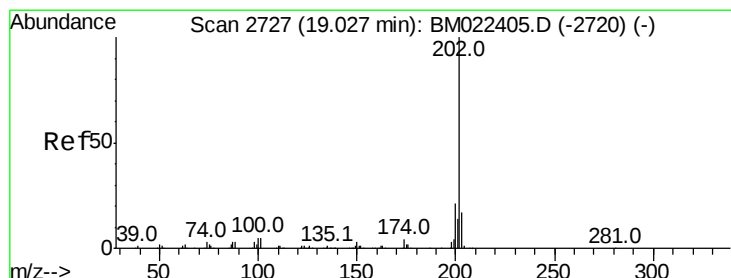
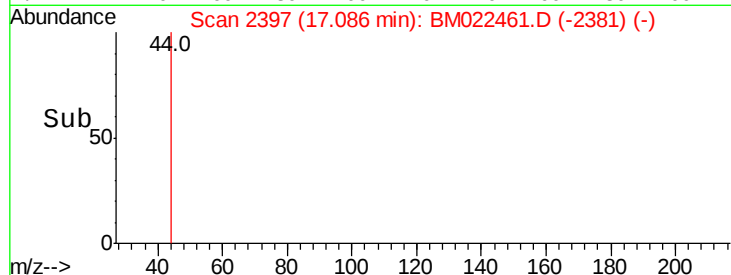
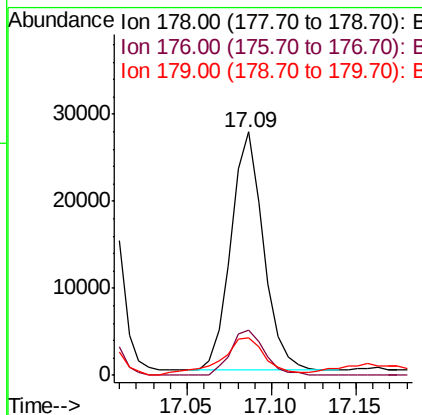
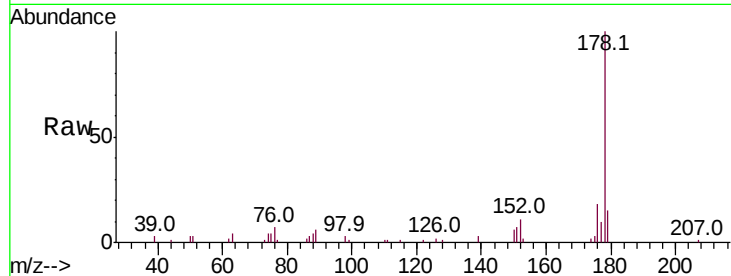
ClientSampleId :

S-2-(1-3)

Tot Ion:	178	Resp:	36619
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.0	22.4
179	15.2	11.8	17.6

Manual Integrations
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#75

Fluoranthene

Concen: 58.062 ng

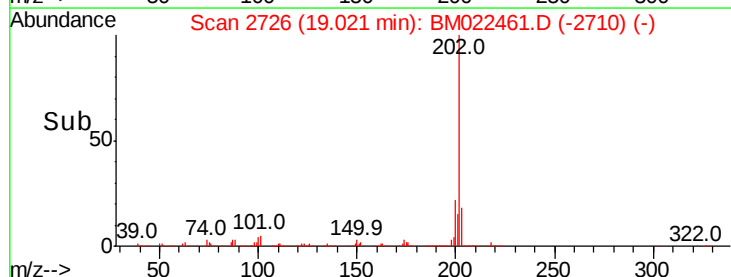
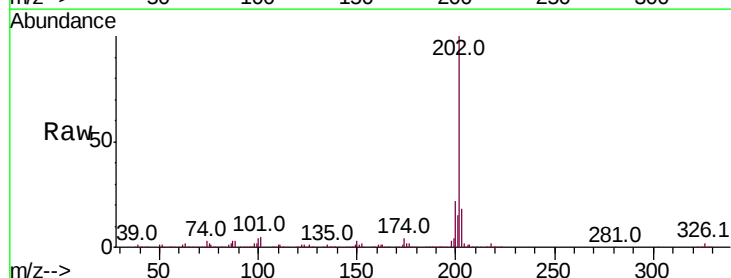
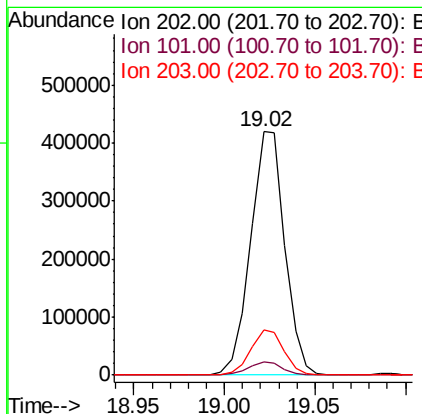
RT: 19.02 min Scan# 2726

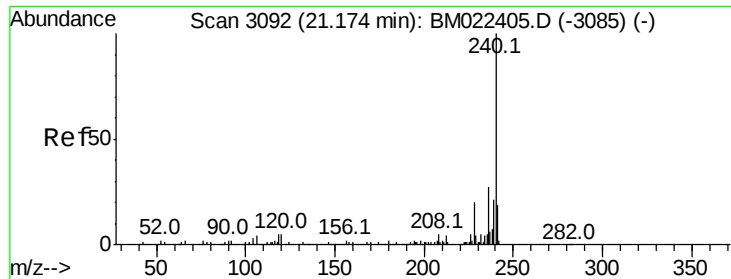
Delta R.T. -0.01 min

Lab File: BM022461.D

Acq: 31 Aug 2019 03:26

Tgt Ion:	202	Resp:	550546
Ion Ratio	Lower	Upper	
202	100		
101	5.4	0.0	25.1
203	18.3	0.0	37.1





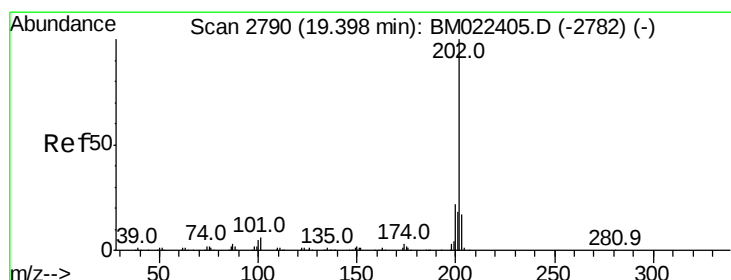
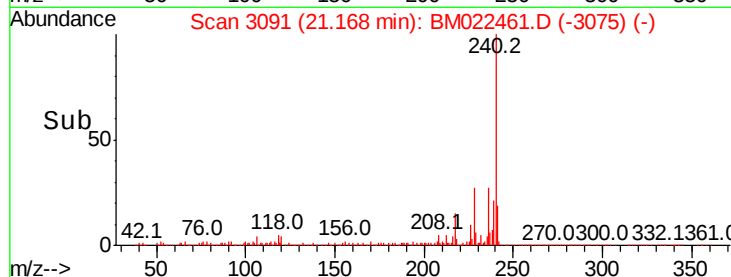
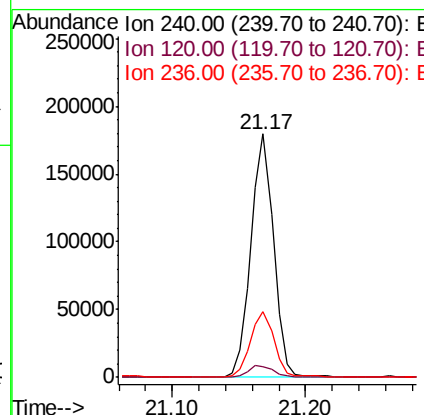
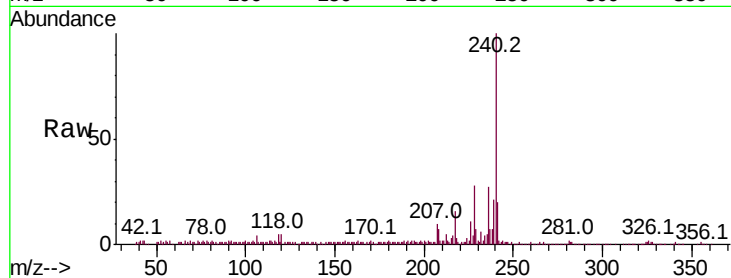
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BM022461.D
Acq: 31 Aug 2019 03:26

Instrument :
BNA_M
ClientSampleId :
S-2-(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	207865		
120	4.6		3.9	5.9
236	27.0		21.4	32.2

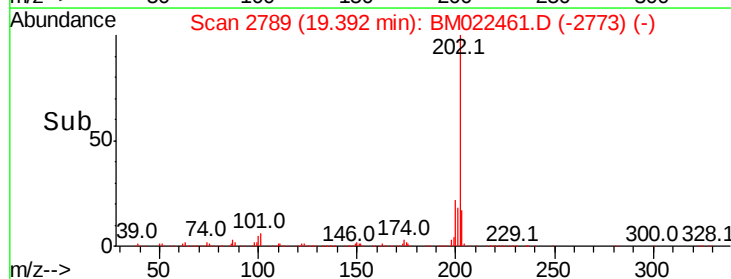
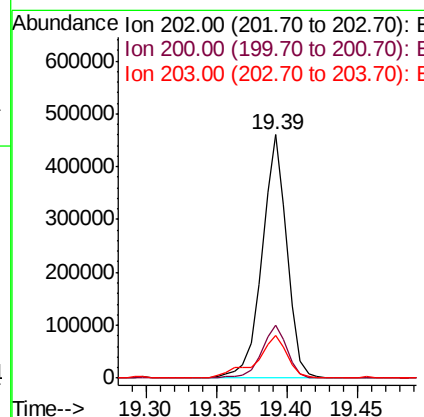
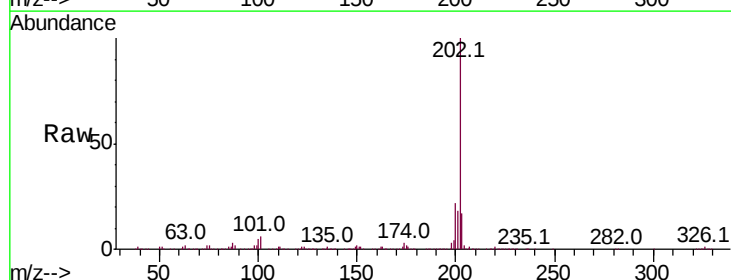
Manual Integrations
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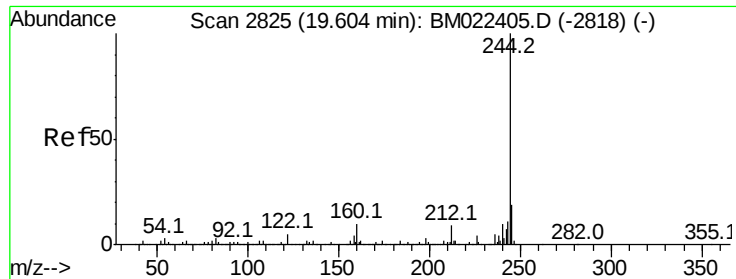
mohammad
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#78
Pyrene
Concen: 40.155 ng
RT: 19.39 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BM022461.D
Acq: 31 Aug 2019 03:26

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	568841		
200	21.8		17.7	26.5
203	17.5		13.8	20.8





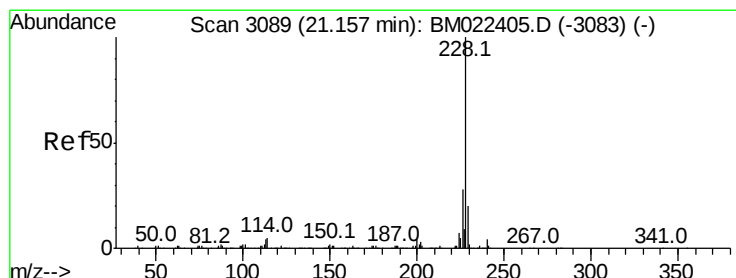
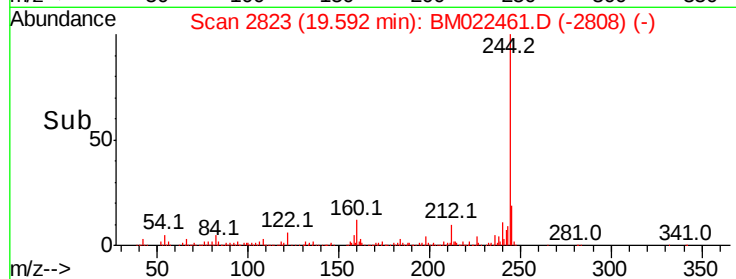
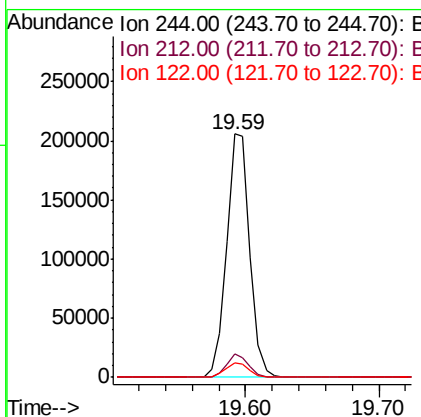
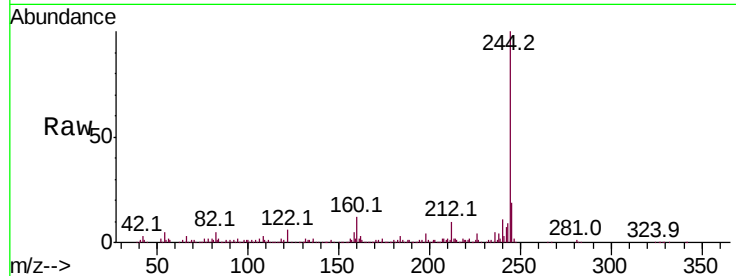
#79
 Terphenyl-d14
 Concen: 15.847 ng
 RT: 19.59 min Scan# 2823
 Delta R.T. -0.01 min
 Lab File: BM022461.D
 Acq: 31 Aug 2019 03:26

Instrument :
 BNA_M
 ClientSampled :
 S-2-(1-3)

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	9.6	7.0	10.4
122	6.1	3.9	5.9

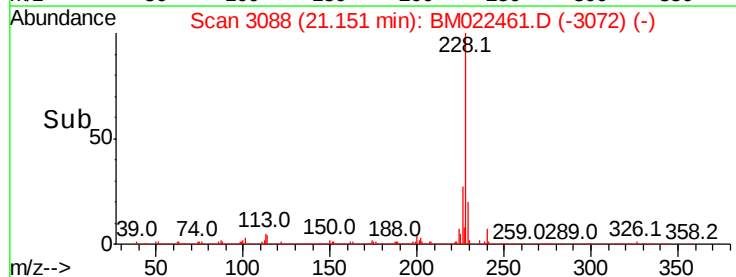
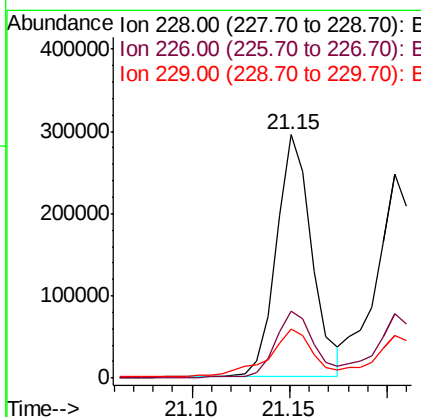
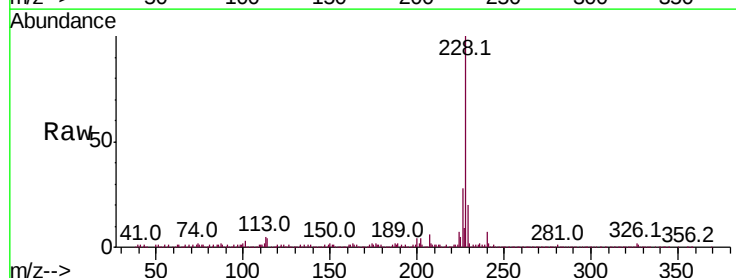
Manual Integrations
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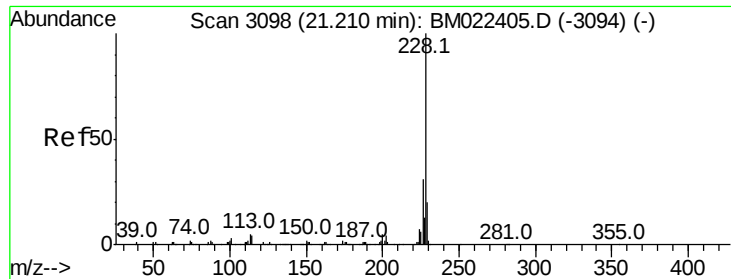
mohammad
 8/31/2019 2:44:09 PM



#81
 Benzo(a)anthracene
 Concen: 24.880 ng
 RT: 21.15 min Scan# 3088
 Delta R.T. -0.01 min
 Lab File: BM022461.D
 Acq: 31 Aug 2019 03:26

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.7	22.6	34.0
229	20.1	15.9	23.9





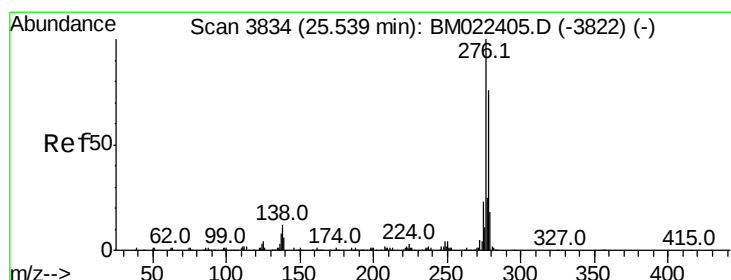
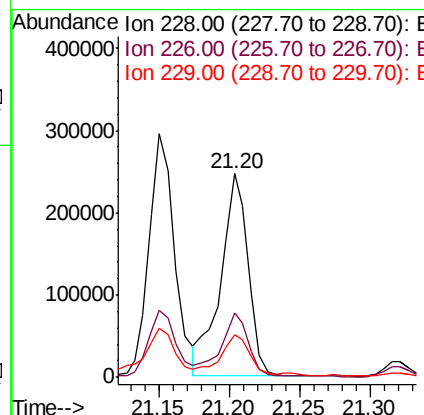
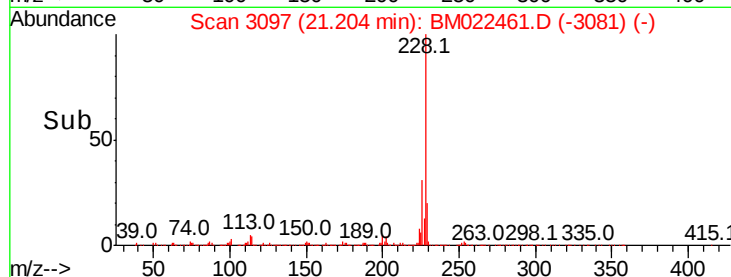
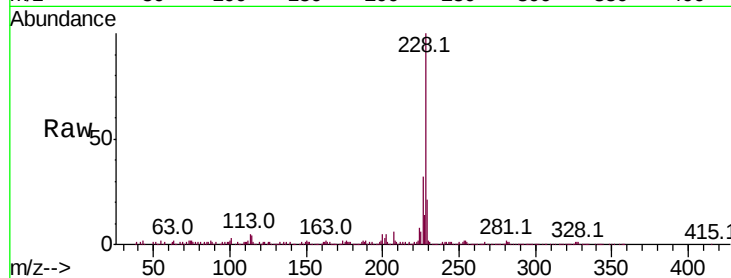
#83
Chrysene
Concen: 23.499 ng
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM022461.D
Acq: 31 Aug 2019 03:26

Instrument :
BNA_M
ClientSampleId :
S-2-(1-3)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.5	36.7
229	21.1	15.7	23.5

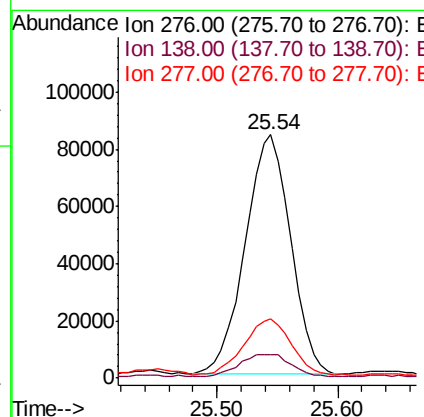
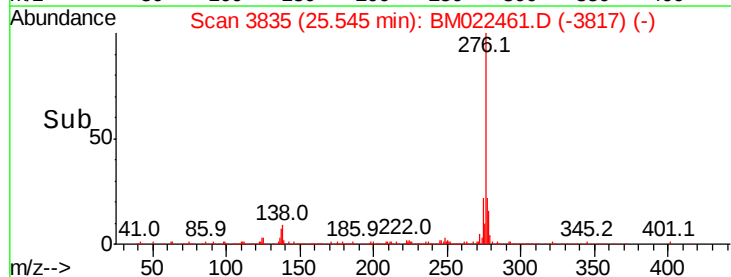
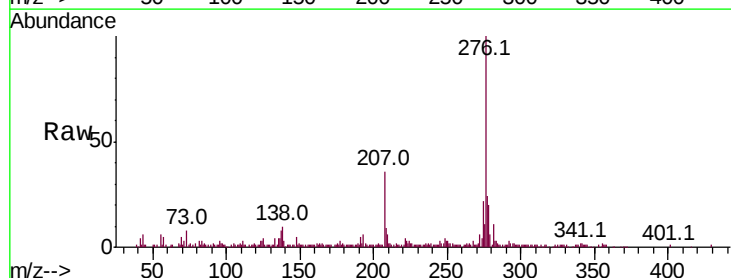
Manual Integrations
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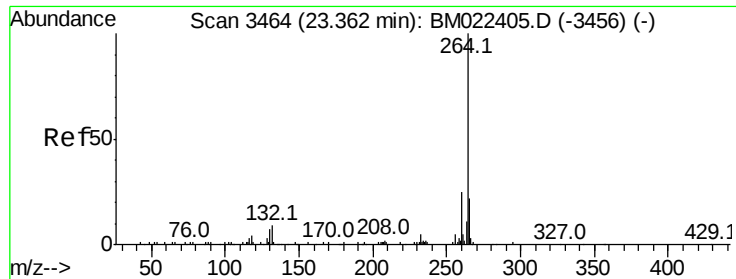
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 15.385 ng
RT: 25.54 min Scan# 3835
Delta R.T. 0.01 min
Lab File: BM022461.D
Acq: 31 Aug 2019 03:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.6	9.1	13.7
277	24.0	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.36 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BM022461.D

Acq: 31 Aug 2019 03:26

Instrument :

BNA_M

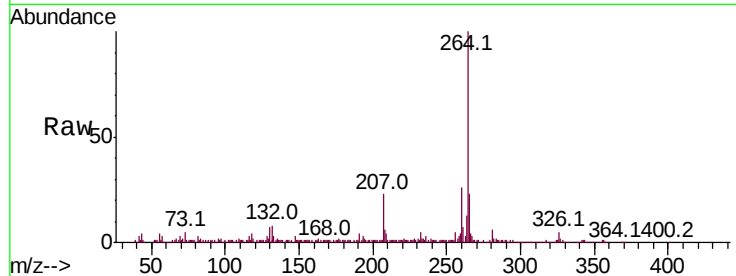
ClientSampleId :

S-2-(1-3)

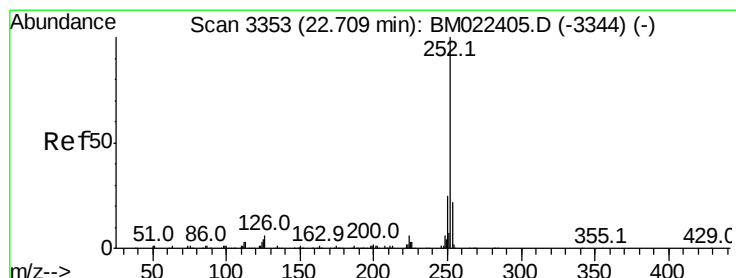
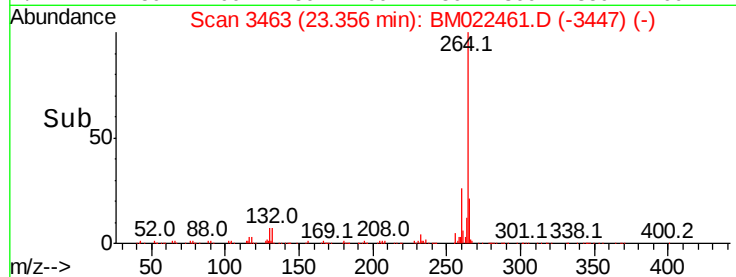
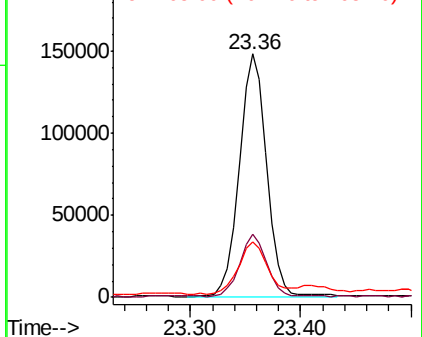
Tot Ion:	264	Resp:	257433
Ion Ratio	Lower	Upper	
264	100		
260	26.1	20.2	30.2
265	22.8	18.2	27.2

Manual Integrations
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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: 25.351 ng m

RT: 22.71 min Scan# 3353

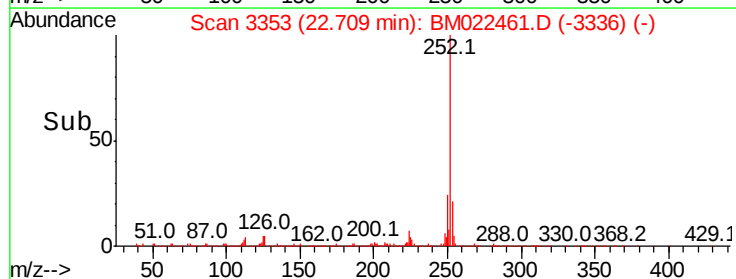
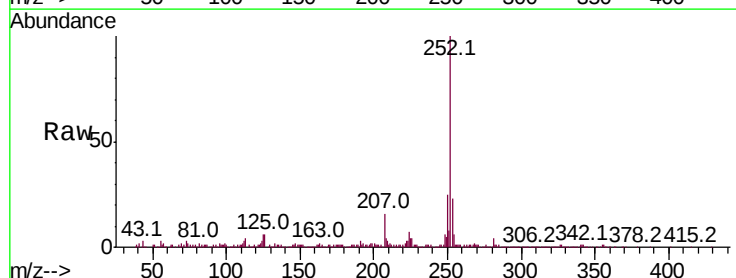
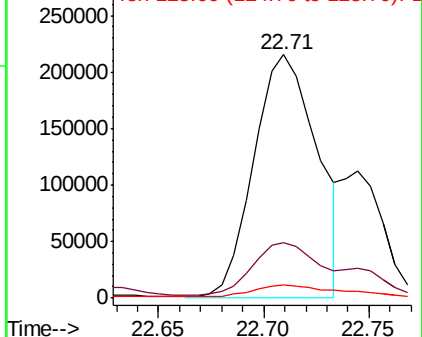
Delta R.T. 0.00 min

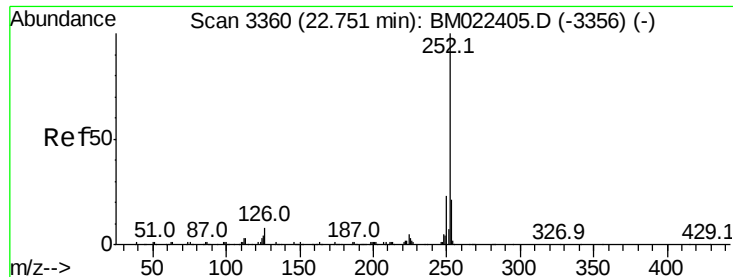
Lab File: BM022461.D

Acq: 31 Aug 2019 03:26

Tgt Ion:	252	Resp:	453374
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.9	26.9
125	5.5	3.5	5.3#

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





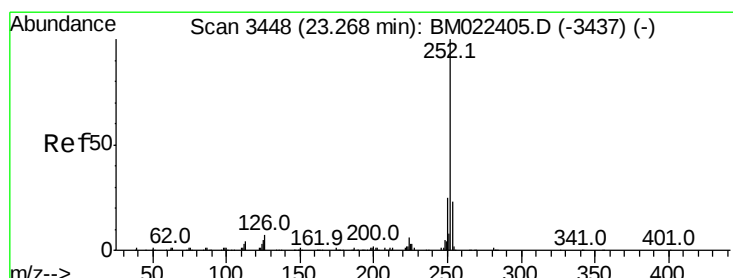
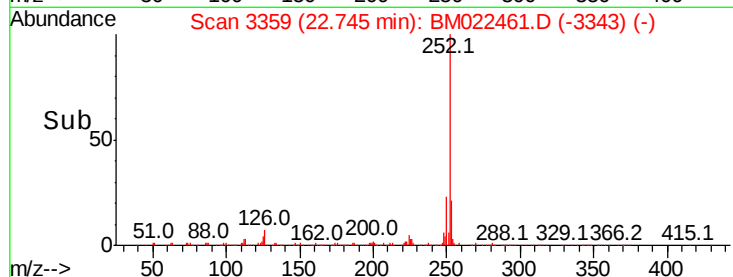
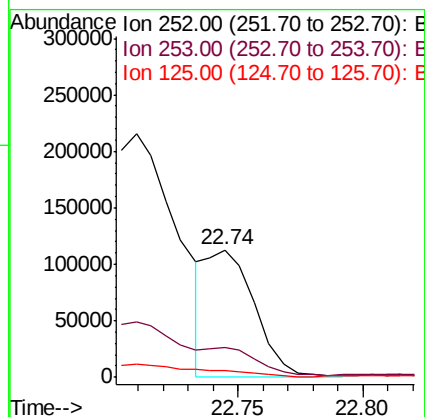
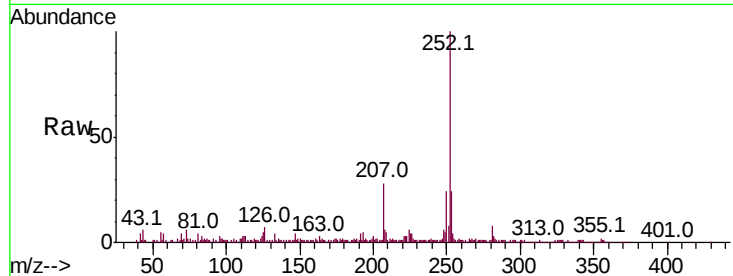
#89
Benzo(k)fluoranthene
Concen: 8.678 ng m
RT: 22.74 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BM022461.D
Acq: 31 Aug 2019 03:26

Instrument :
BNA_M
ClientSampled :
S-2-(1-3)

Tot Ion:	252	Resp:	153966
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.0	25.4
125	5.1	3.7	5.5

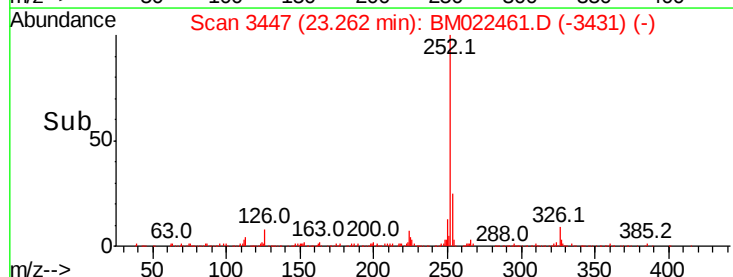
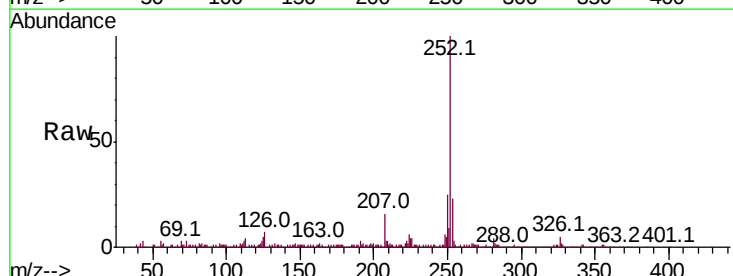
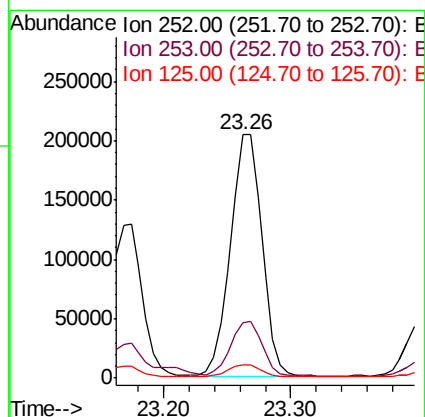
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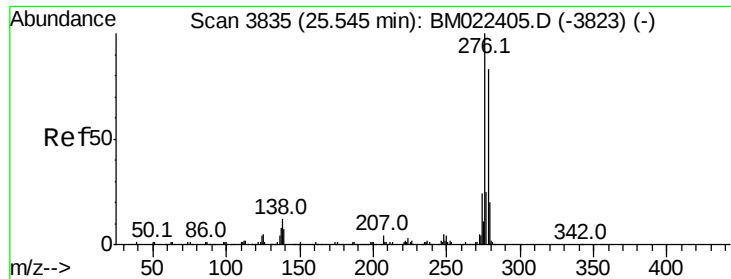
mohammad
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#90
Benzo(a)pyrene
Concen: 22.027 ng
RT: 23.26 min Scan# 3447
Delta R.T. -0.01 min
Lab File: BM022461.D
Acq: 31 Aug 2019 03:26

Tgt Ion:	252	Resp:	349659
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.2
125	5.4	3.8	5.8





#91

Dibenzo(a,h)anthracene

Concen: 3.729 ng

RT: 25.54 min Scan# 3834

Delta R.T. -0.01 min

Lab File: BM022461.D

Acq: 31 Aug 2019 03:26

Instrument :

BNA_M

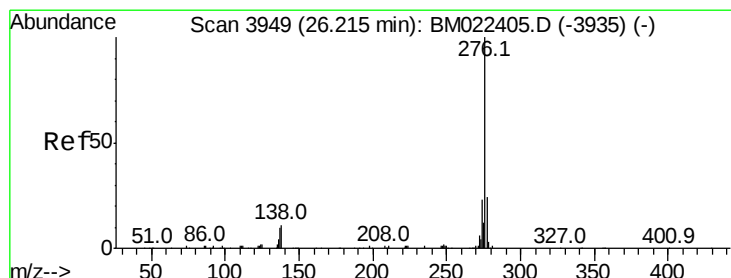
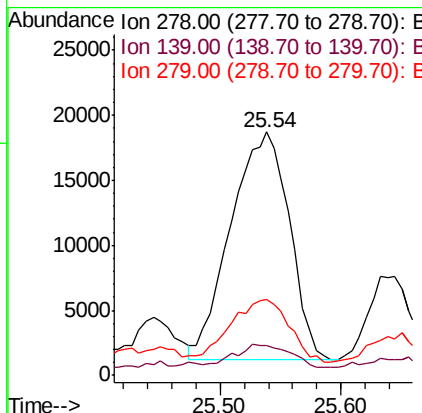
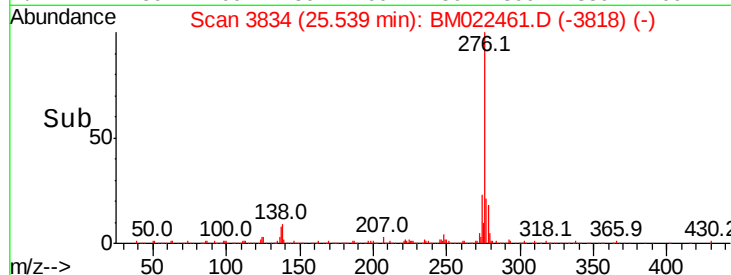
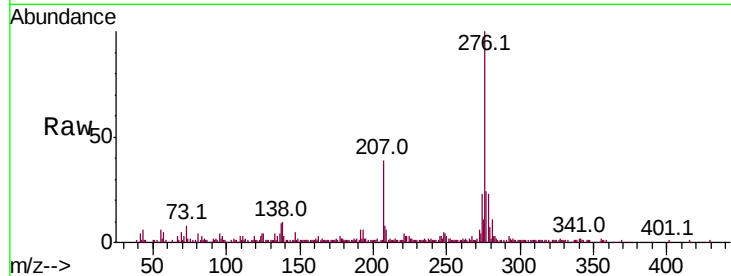
ClientSampleId :

S-2-(1-3)

Tot Ion:	278	Resp:	59031
Ion	Ratio	Lower	Upper
278	100		
139	12.4	6.6	9.8#
279	31.2	19.3	28.9#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 15.828 ng

RT: 26.22 min Scan# 3949

Delta R.T. 0.00 min

Lab File: BM022461.D

Acq: 31 Aug 2019 03:26

Tgt Ion:	276	Resp:	218357
Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.4	29.0
138	11.7	8.8	13.2

