

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020924\
 Data File : BP019637.D
 Acq On : 09 Feb 2024 17:53
 Operator : MA/JU
 Sample : P1387-01DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HD-01-020724DL

Quant Time: Feb 09 18:17:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

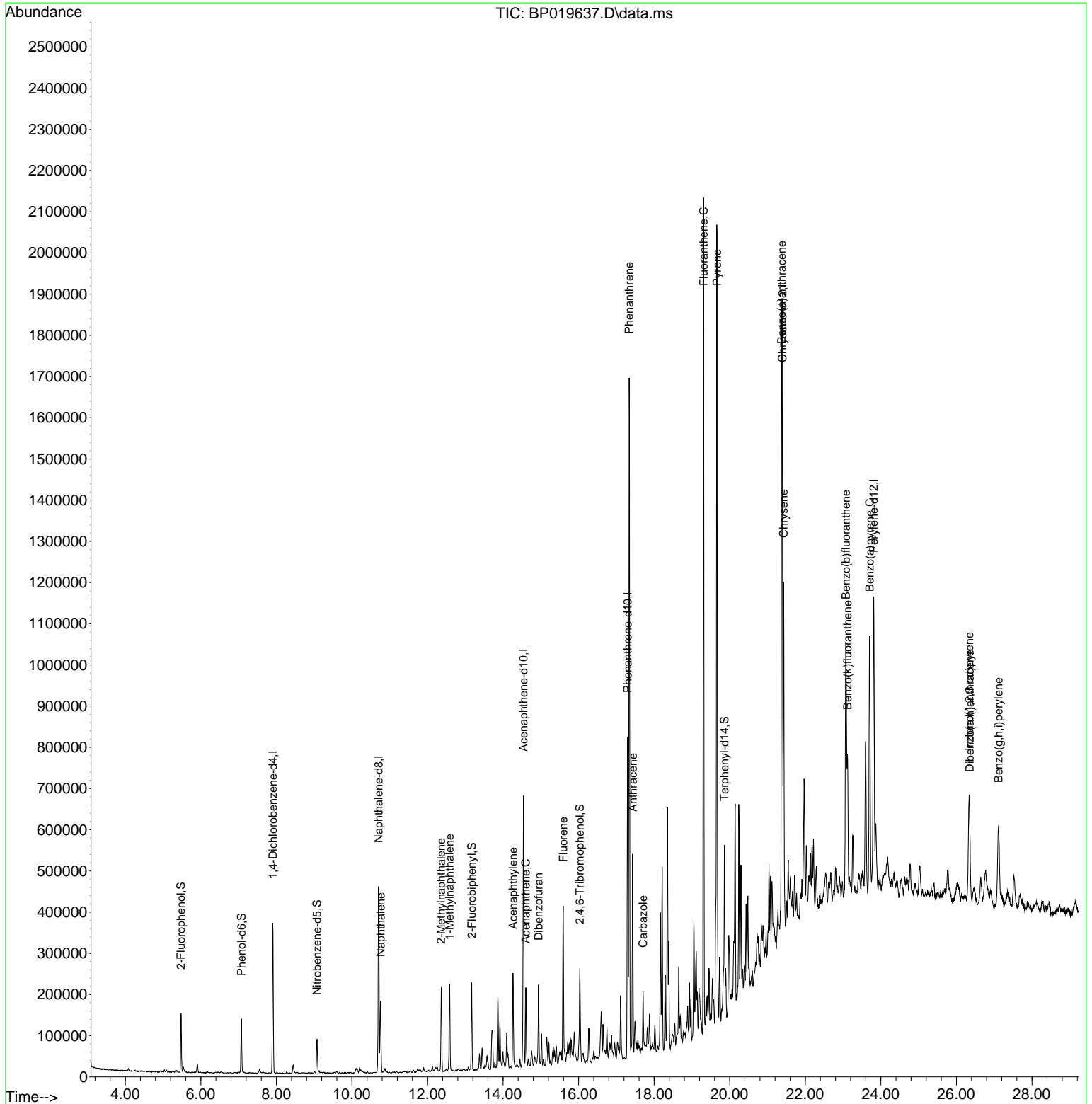
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.905	152	98519	20.000	ng	-0.01	
21) Naphthalene-d8	10.705	136	363374	20.000	ng	-0.01	
39) Acenaphthene-d10	14.540	164	223514	20.000	ng	-0.01	
64) Phenanthrene-d10	17.298	188	489298	20.000	ng	0.00	
76) Chrysene-d12	21.392	240	518048	20.000	ng	0.00	
86) Perylene-d12	23.810	264	596673	20.000	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	56013	9.165	ng	-0.01	
7) Phenol-d6	7.075	99	73035	8.862	ng	-0.01	
23) Nitrobenzene-d5	9.075	82	49915	5.952	ng	-0.01	
42) 2,4,6-Tribromophenol	16.034	330	32845	10.064	ng	0.00	
45) 2-Fluorobiphenyl	13.169	172	112318	6.212	ng	-0.01	
79) Terphenyl-d14	19.863	244	192064	6.097	ng	0.00	
Target Compounds							
							Qvalue
31) Naphthalene	10.758	128	137994	6.924	ng		99
37) 2-Methylnaphthalene	12.363	142	94968	6.886	ng		97
38) 1-Methylnaphthalene	12.587	142	95373	7.037	ng		96
49) Acenaphthylene	14.263	152	144711	7.044	ng		97
52) Acenaphthene	14.604	154	66093	5.183	ng		97
55) Dibenzofuran	14.940	168	82375	3.966	ng	#	93
58) Fluorene	15.593	166	174821	10.569	ng		96
71) Phenanthrene	17.340	178	1038145	40.316	ng		99
72) Anthracene	17.434	178	322478	12.554	ng		99
73) Carbazole	17.704	167	81665	3.500	ng		99
75) Fluoranthene	19.310	202	1211161	38.503	ng		99
78) Pyrene	19.663	202	1253975	34.298	ng		100
81) Benzo(a)anthracene	21.375	228	601291	16.489	ng		93
83) Chrysene	21.428	228	514522	14.861	ng		96
87) Indeno(1,2,3-cd)pyrene	26.339	276	308975	6.765	ng		96
88) Benzo(b)fluoranthene	23.075	252	614913	16.352	ng		97
89) Benzo(k)fluoranthene	23.116	252	232384m	6.469	ng		
90) Benzo(a)pyrene	23.704	252	528047	15.781	ng		97
91) Dibenzo(a,h)anthracene	26.351	278	86743	2.309	ng	#	89
92) Benzo(g,h,i)perylene	27.115	276	304085	7.979	ng		96

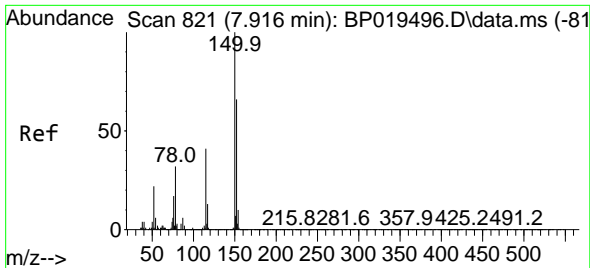
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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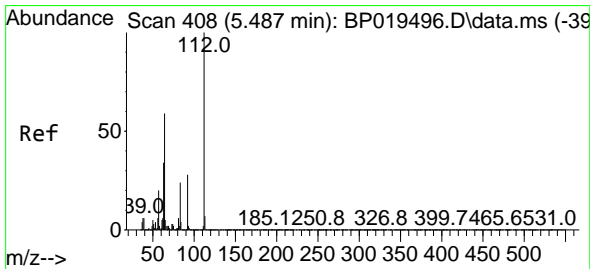
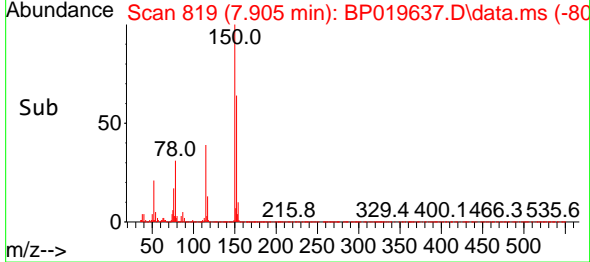
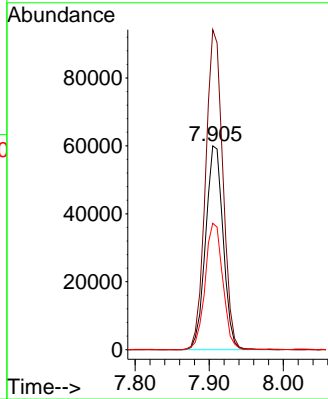
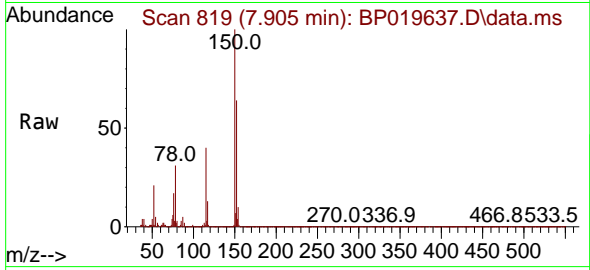




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.905 min Scan# 81
 Delta R.T. -0.011 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

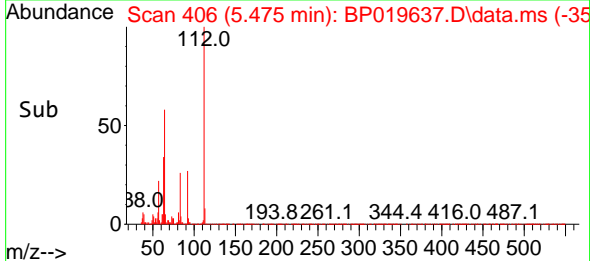
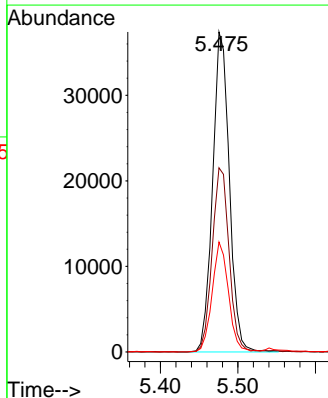
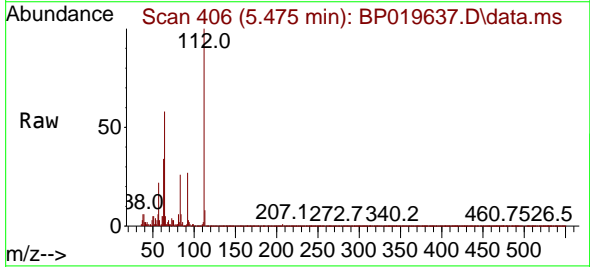
Instrument :
 BNA_P
 ClientSampleId :
 HD-01-020724DL

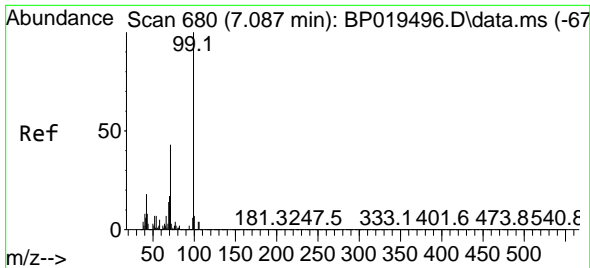
Tgt Ion	Resp	Lower	Upper
152	98519		
100	100		
150	157.0	121.8	182.8
115	62.0	49.9	74.9



#5
 2-Fluorophenol
 Concen: 9.165 ng
 RT: 5.475 min Scan# 406
 Delta R.T. -0.011 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion	Resp	Lower	Upper
112	56013		
100	100		
64	57.6	47.4	71.0
63	34.4	27.0	40.6

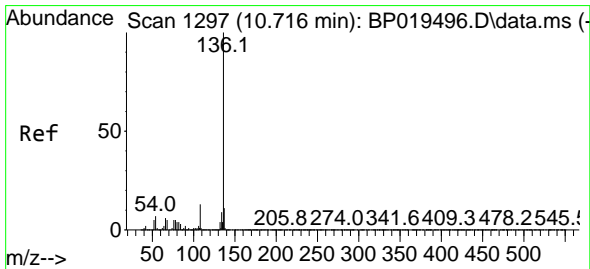
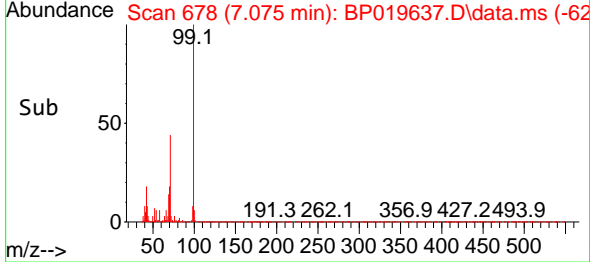
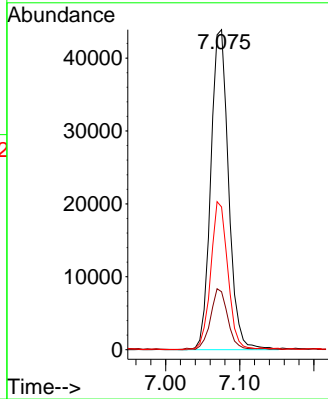
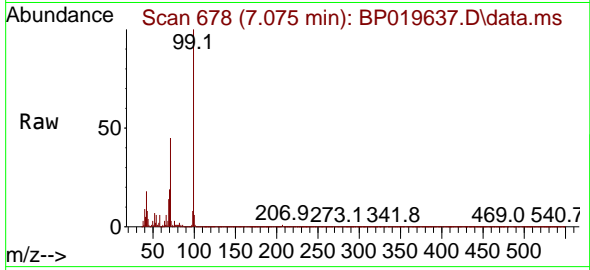




#7
 Phenol-d6
 Concen: 8.862 ng
 RT: 7.075 min Scan# 61
 Delta R.T. -0.011 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

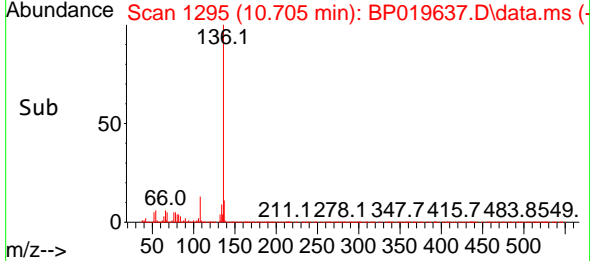
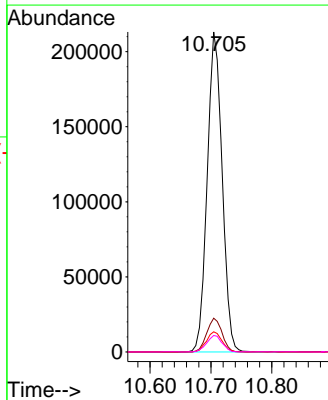
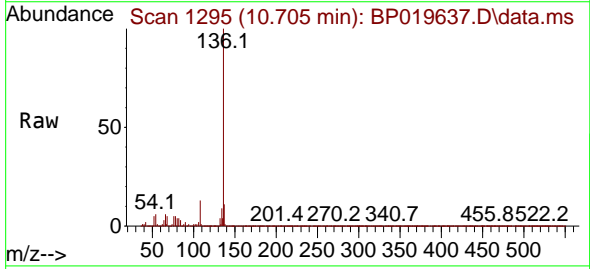
Instrument : BNA_P
 ClientSampleId : HD-01-020724DL

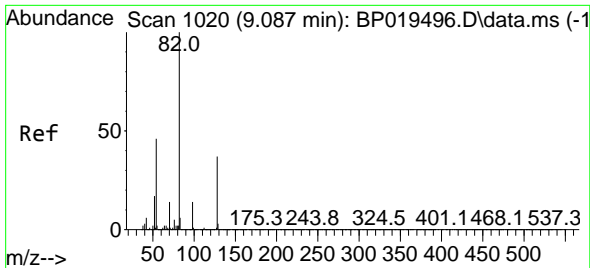
Tgt Ion	Resp	Lower	Upper
99	73035		
42	18.1	14.7	22.1
71	44.6	34.8	52.2



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.705 min Scan# 1295
 Delta R.T. -0.011 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion	Resp	Lower	Upper
136	363374		
137	10.5	8.8	13.2
54	6.3	5.3	7.9
68	5.5	4.1	6.1



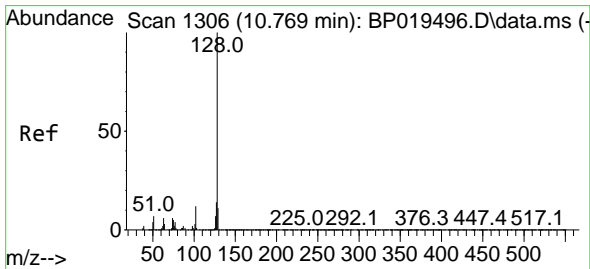
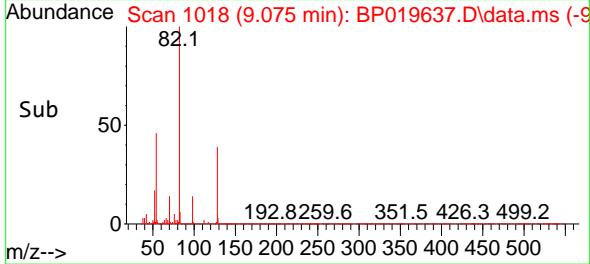
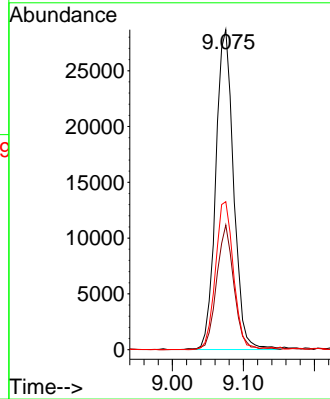
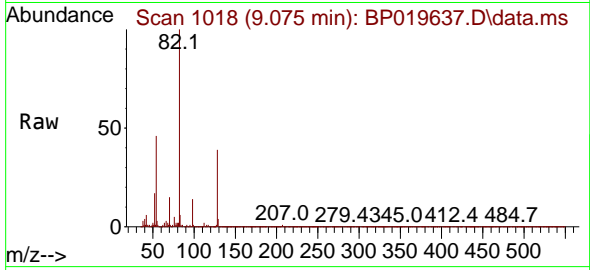


#23
 Nitrobenzene-d5
 Concen: 5.952 ng
 RT: 9.075 min Scan# 1018
 Delta R.T. -0.011 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Instrument :
 BNA_P
 ClientSampleId :
 HD-01-020724DL

Tgt Ion: 82 Resp: 49915

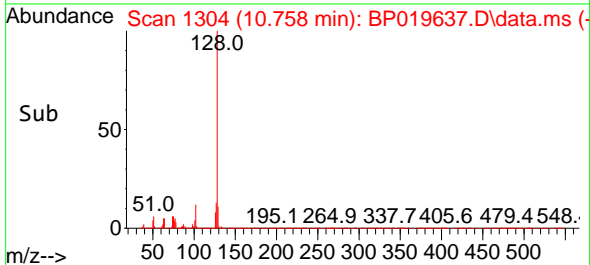
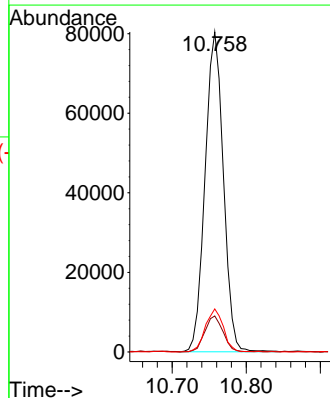
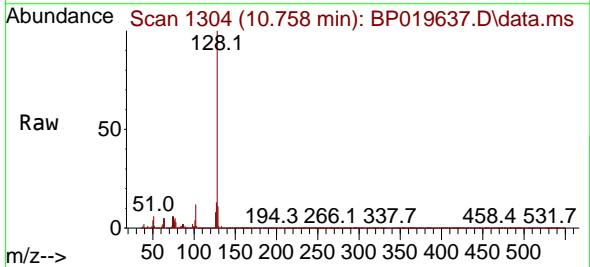
Ion	Ratio	Lower	Upper
82	100		
128	38.9	29.7	44.5
54	46.2	36.8	55.2

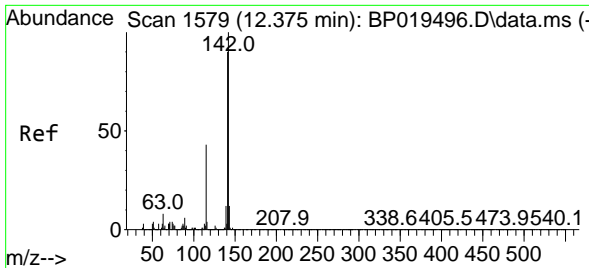


#31
 Naphthalene
 Concen: 6.924 ng
 RT: 10.758 min Scan# 1304
 Delta R.T. -0.011 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion: 128 Resp: 137994

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	13.0
127	13.4	10.8	16.2



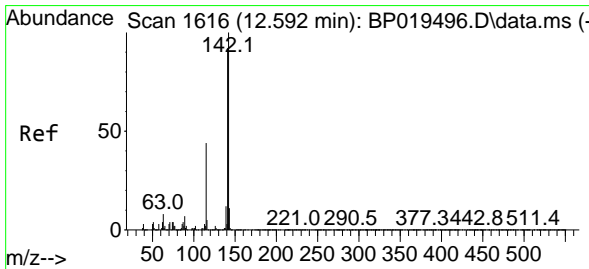
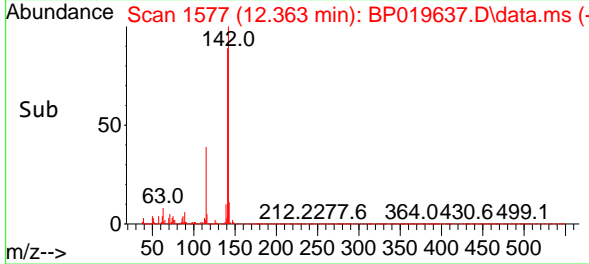
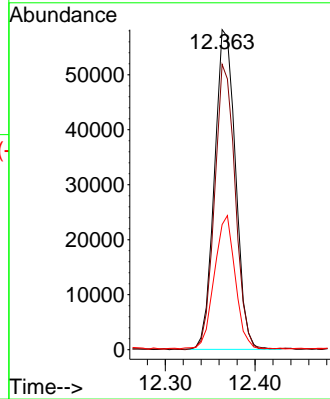
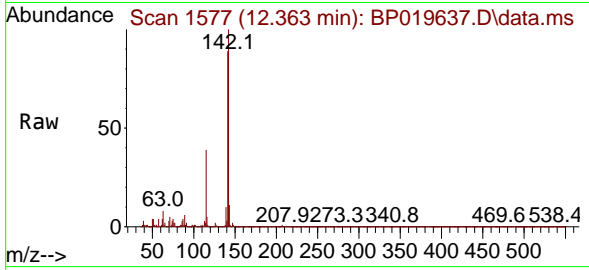


#37
 2-Methylnaphthalene
 Concen: 6.886 ng
 RT: 12.363 min Scan# 11
 Delta R.T. -0.011 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Instrument :
 BNA_P
 ClientSampleId :
 HD-01-020724DL

Tgt Ion:142 Resp: 94968

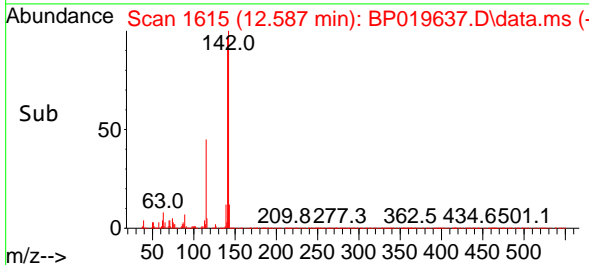
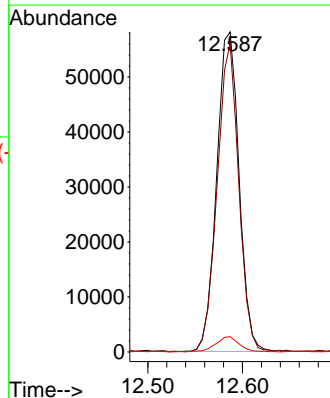
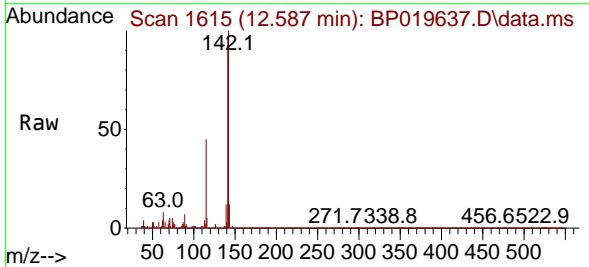
Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.2	108.4
115	39.1	34.2	51.2

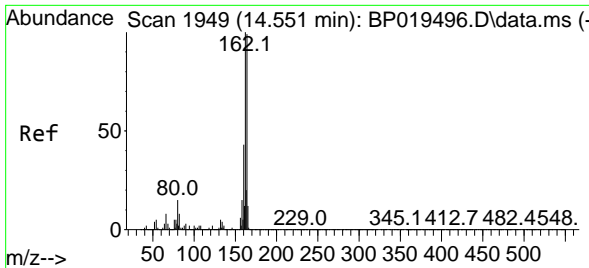


#38
 1-Methylnaphthalene
 Concen: 7.037 ng
 RT: 12.587 min Scan# 1615
 Delta R.T. -0.005 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion:142 Resp: 95373

Ion	Ratio	Lower	Upper
142	100		
141	96.5	74.0	111.0
116	4.8	3.7	5.5

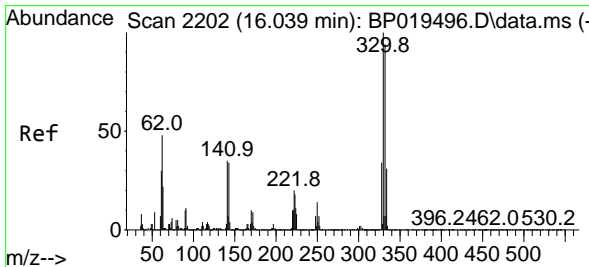
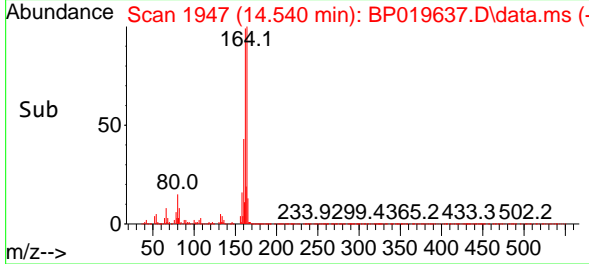
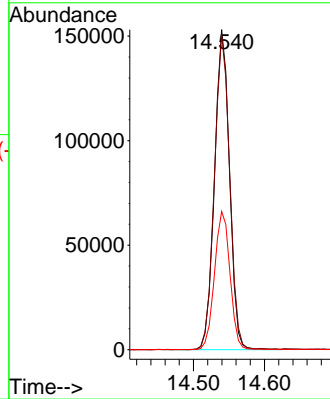
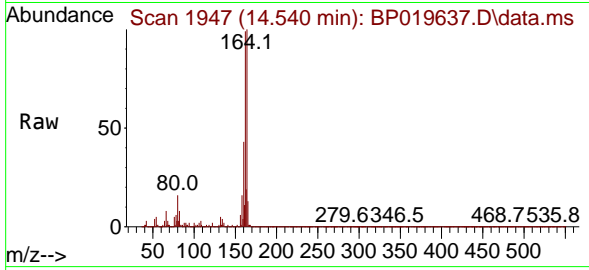




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1949
Delta R.T. -0.011 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

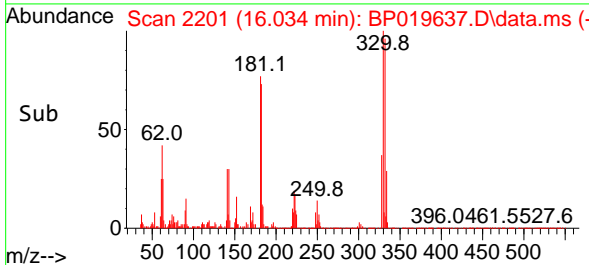
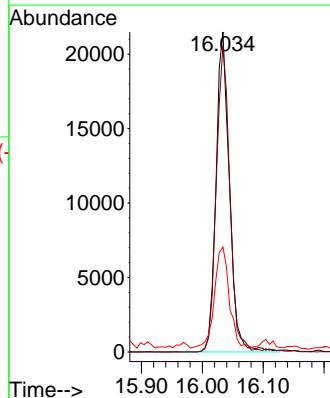
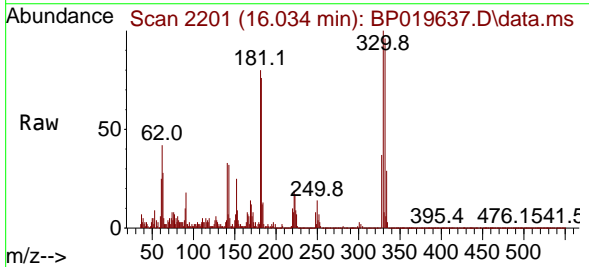
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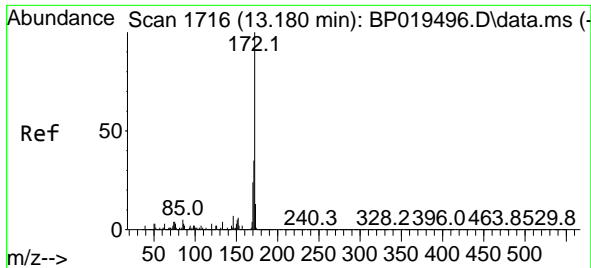
Tgt Ion:164 Resp: 223514
Ion Ratio Lower Upper
164 100
162 98.7 81.2 121.8
160 43.2 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 10.064 ng
RT: 16.034 min Scan# 2201
Delta R.T. -0.005 min
Lab File: BP019637.D
Acq: 09 Feb 2024 17:53

Tgt Ion:330 Resp: 32845
Ion Ratio Lower Upper
330 100
332 95.9 77.2 115.8
141 35.2 27.0 40.4

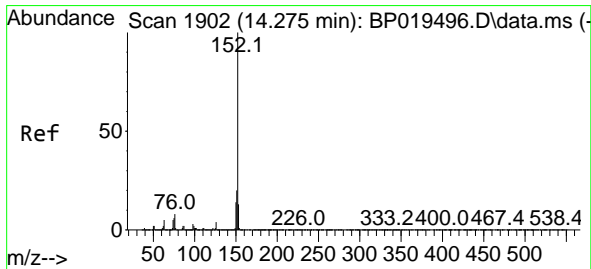
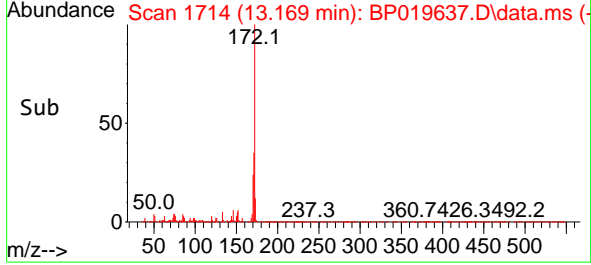
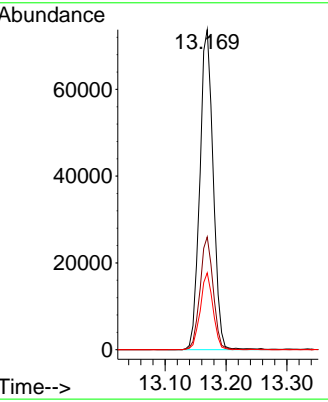
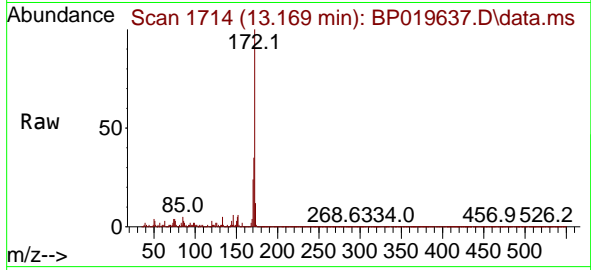




#45
 2-Fluorobiphenyl
 Concen: 6.212 ng
 RT: 13.169 min Scan# 11
 Delta R.T. -0.011 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

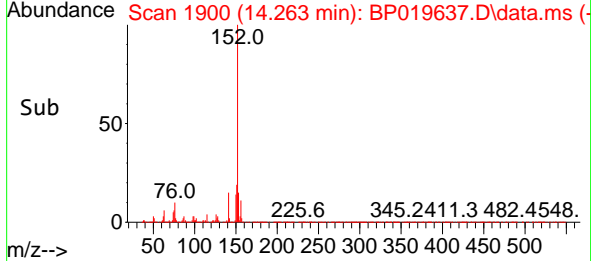
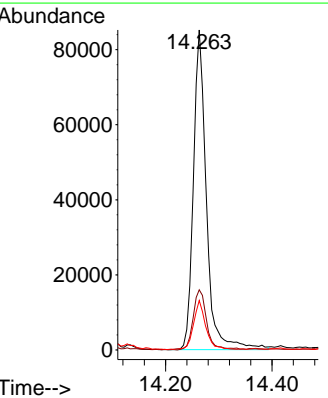
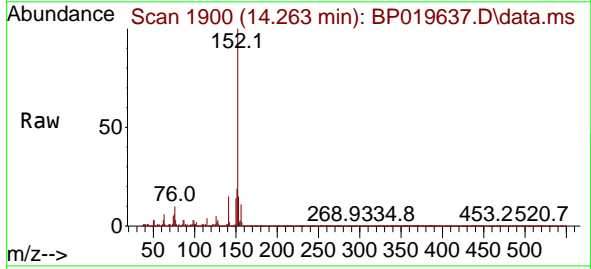
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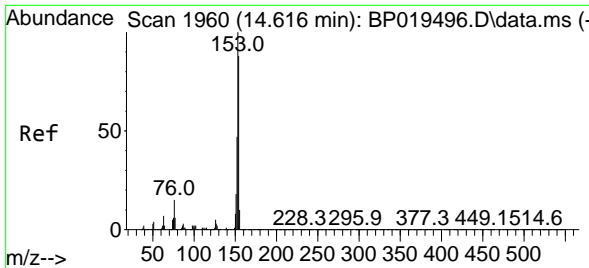
Tgt Ion	Resp	Lower	Upper
172	112318		
171	35.2	28.2	42.4
170	24.0	18.9	28.3



#49
 Acenaphthylene
 Concen: 7.044 ng
 RT: 14.263 min Scan# 1900
 Delta R.T. -0.011 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion	Resp	Lower	Upper
152	144711		
151	18.8	15.8	23.6
153	15.5	10.6	15.8

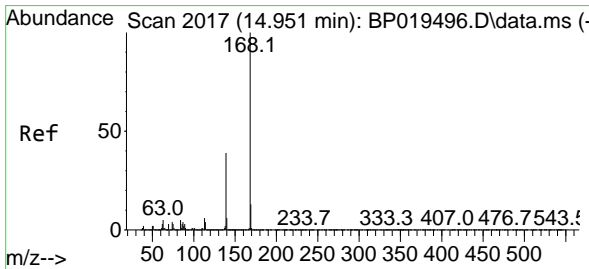
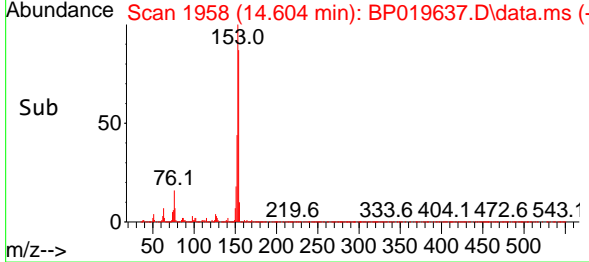
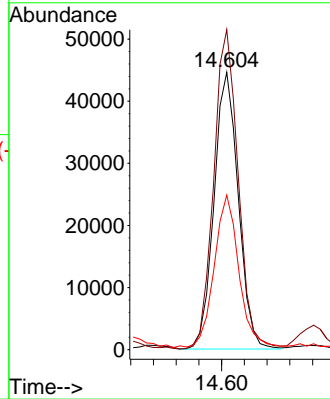
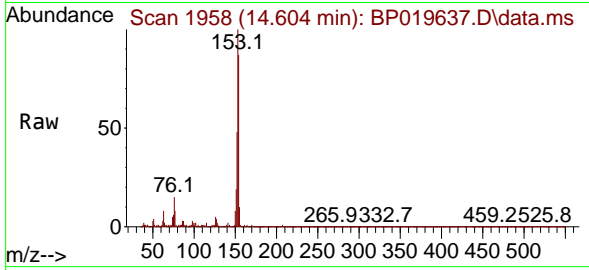




#52
 Acenaphthene
 Concen: 5.183 ng
 RT: 14.604 min Scan# 1958
 Delta R.T. -0.011 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

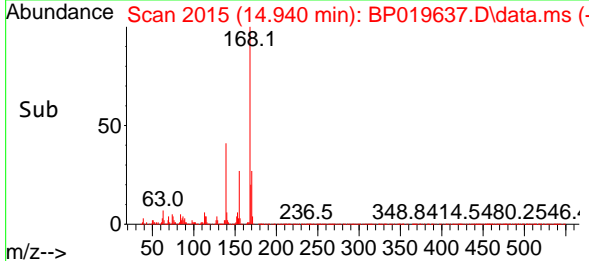
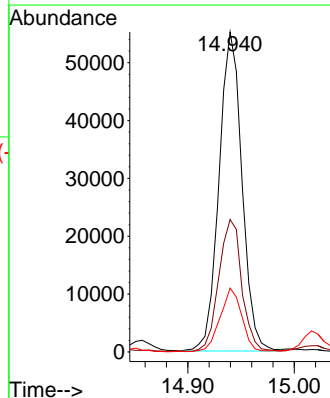
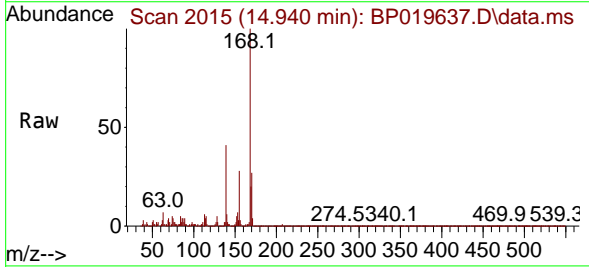
Instrument : BNA_P
 Client Sample Id : HD-01-020724DL

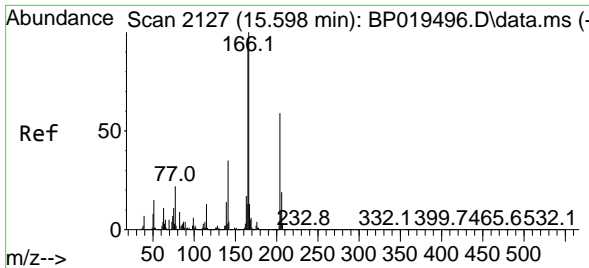
Tgt Ion	Resp	Lower	Upper
154	66093		
153	115.3	90.5	135.7
152	55.7	42.1	63.1



#55
 Dibenzofuran
 Concen: 3.966 ng
 RT: 14.940 min Scan# 2015
 Delta R.T. -0.011 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion	Resp	Lower	Upper
168	82375		
139	41.4	31.5	47.3
169	20.0	10.3	15.5



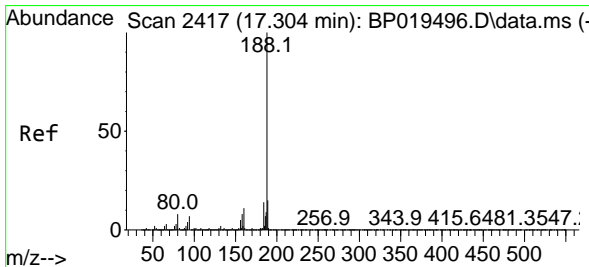
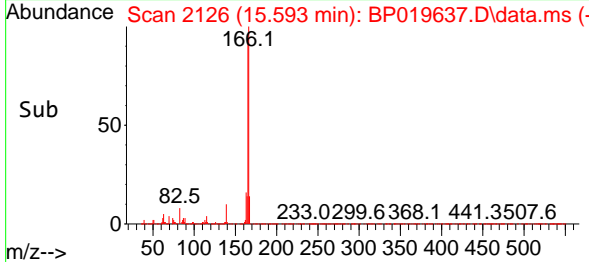
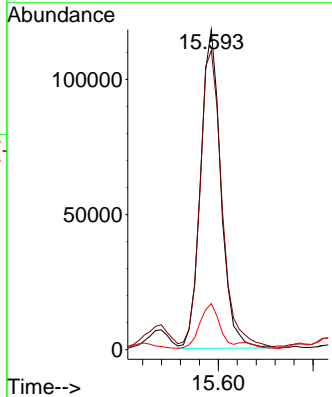
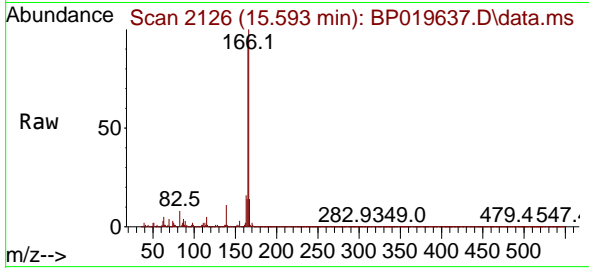


#58
 Fluorene
 Concen: 10.569 ng
 RT: 15.593 min Scan# 2127
 Delta R.T. -0.005 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Instrument : BNA_P
 Client Sample Id : HD-01-020724DL

Tgt Ion:166 Resp: 174821

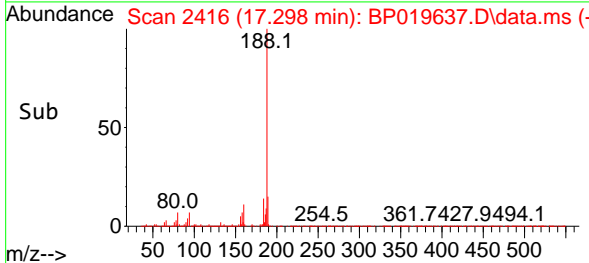
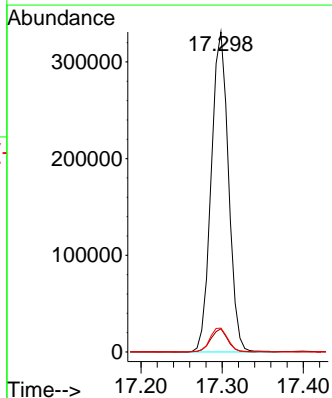
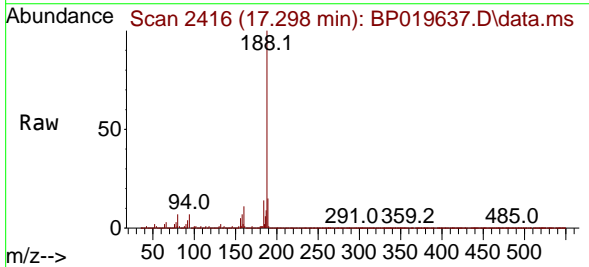
Ion	Ratio	Lower	Upper
166	100		
165	93.4	77.8	116.8
167	14.4	10.7	16.1

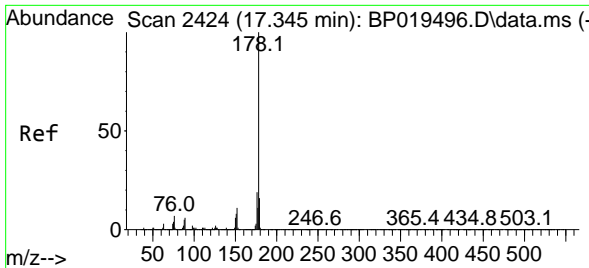


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.298 min Scan# 2416
 Delta R.T. -0.006 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion:188 Resp: 489298

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.4	8.2
80	7.4	6.3	9.5



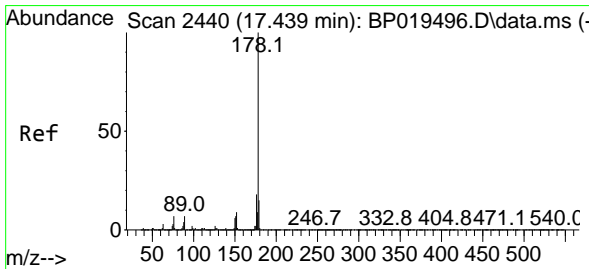
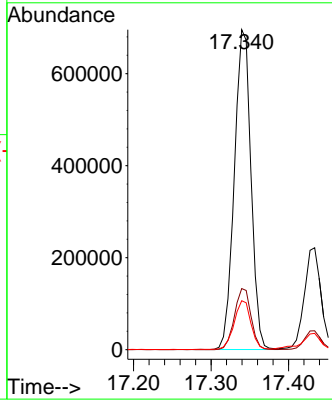
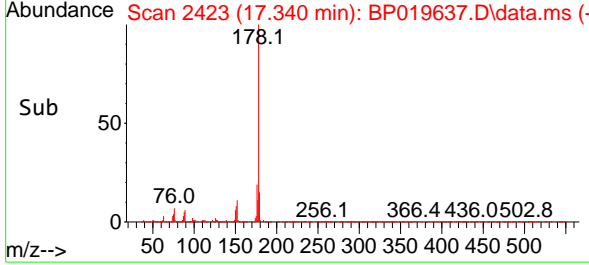
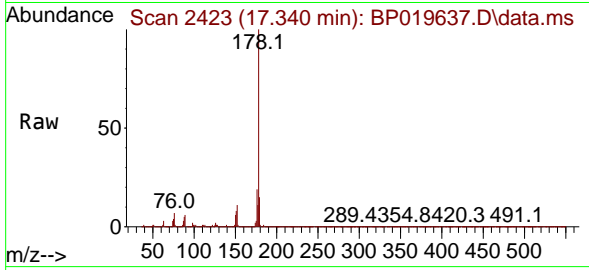


#71
 Phenanthrene
 Concen: 40.316 ng
 RT: 17.340 min Scan# 2424
 Delta R.T. -0.005 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Instrument : BNA_P
 ClientSampleId : HD-01-020724DL

Tgt Ion:178 Resp: 1038145

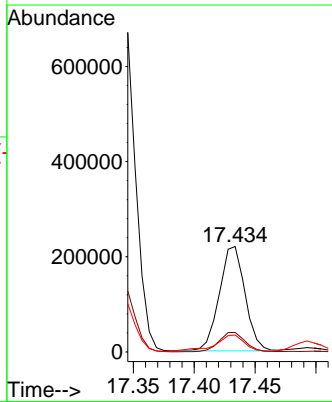
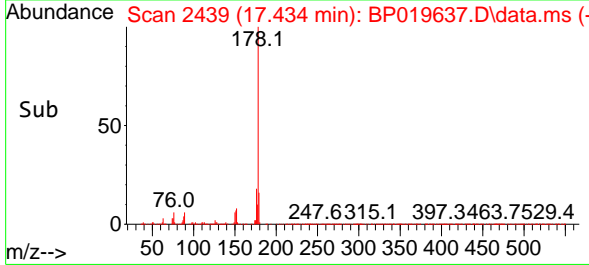
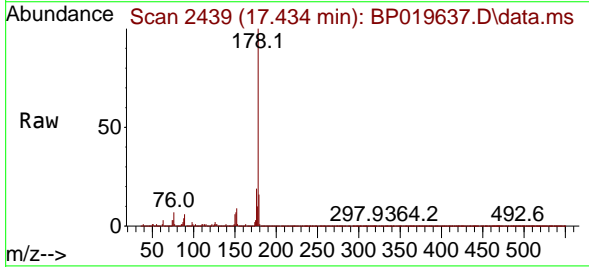
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.3	12.6	19.0

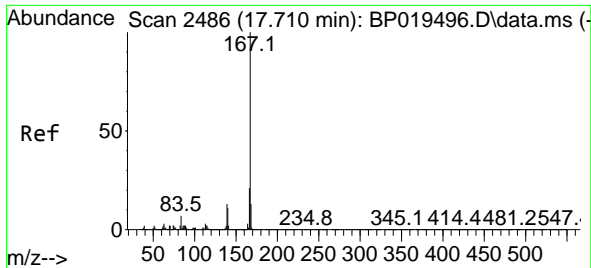


#72
 Anthracene
 Concen: 12.554 ng
 RT: 17.434 min Scan# 2439
 Delta R.T. -0.005 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion:178 Resp: 322478

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	16.1	12.2	18.2

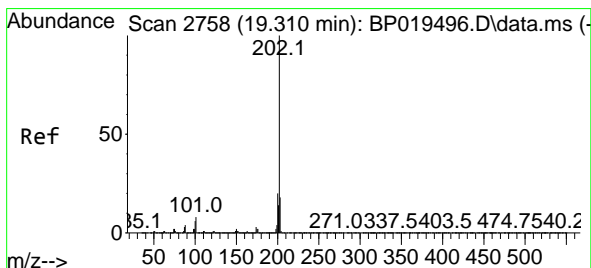
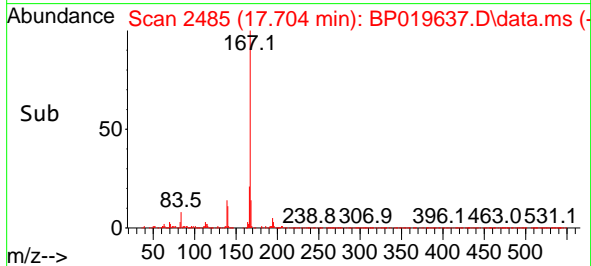
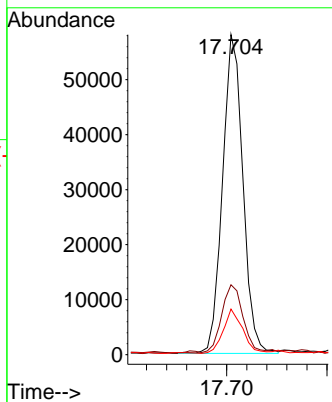
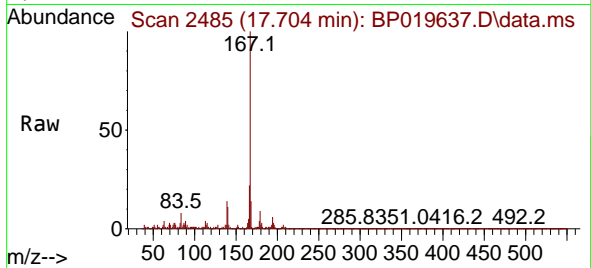




#73
 Carbazole
 Concen: 3.500 ng
 RT: 17.704 min Scan# 2485
 Delta R.T. -0.005 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

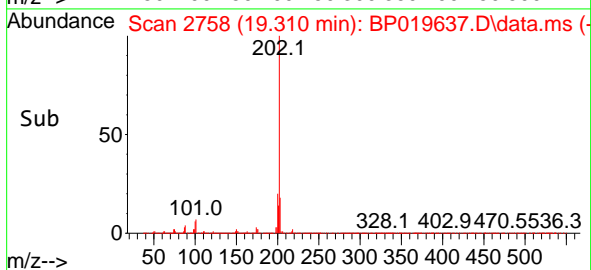
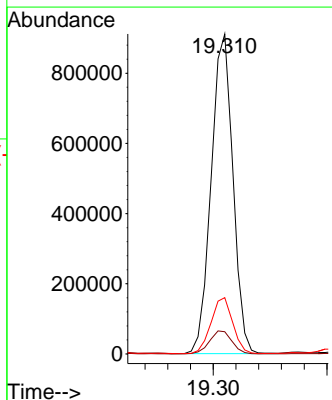
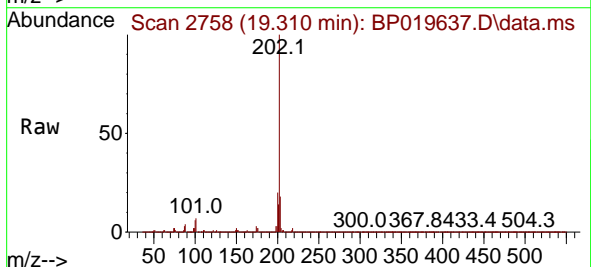
Instrument : BNA_P
 ClientSampleId : HD-01-020724DL

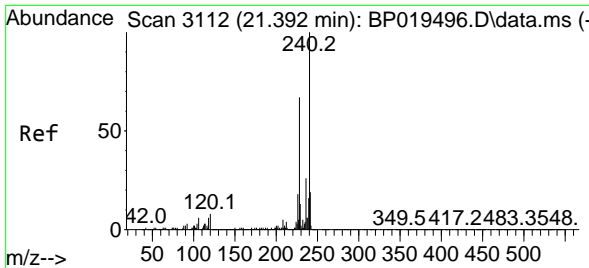
Tgt Ion	Resp	Lower	Upper
167	81665		
166	21.8	17.2	25.8
139	14.2	10.6	15.8



#75
 Fluoranthene
 Concen: 38.503 ng
 RT: 19.310 min Scan# 2758
 Delta R.T. 0.000 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion	Resp	Lower	Upper
202	1211161		
101	6.9	0.0	27.7
203	17.6	0.0	37.5



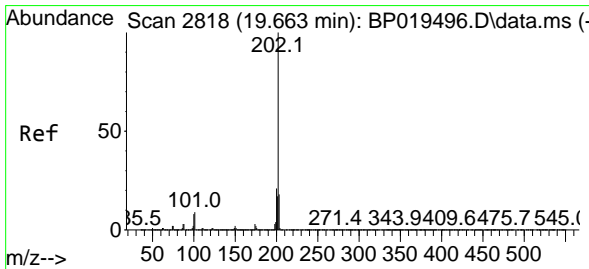
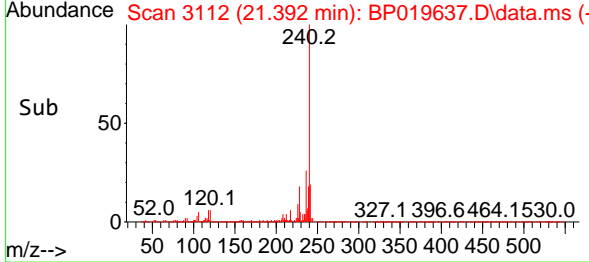
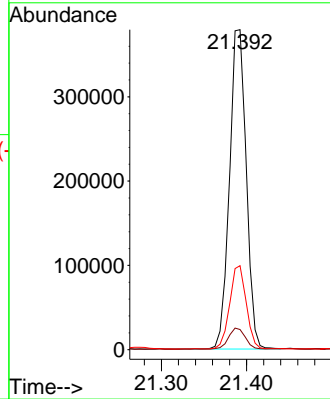
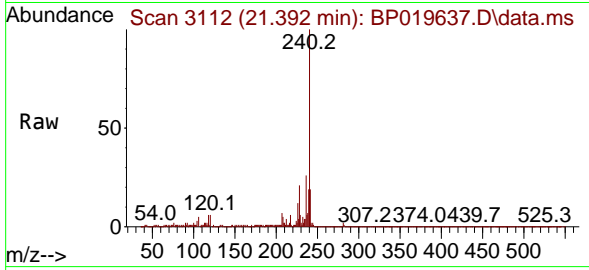


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.392 min Scan# 3112
 Delta R.T. 0.000 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Instrument :
 BNA_P
 ClientSampleId :
 HD-01-020724DL

Tgt Ion:240 Resp: 518048

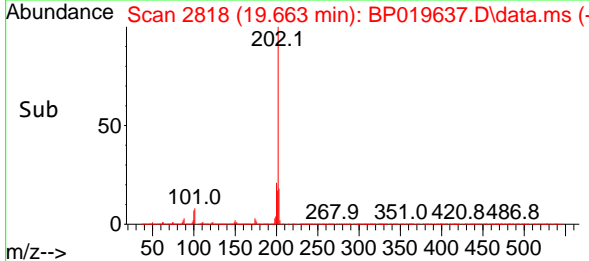
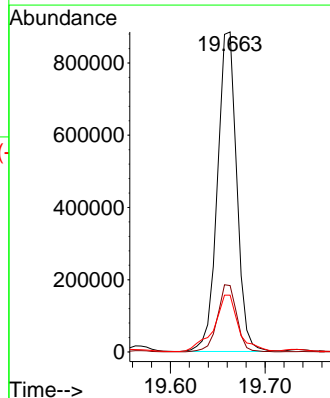
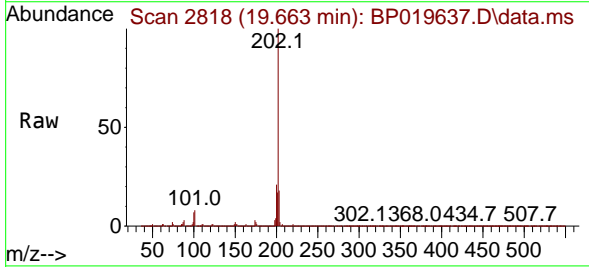
Ion	Ratio	Lower	Upper
240	100		
120	6.3	6.1	9.1
236	26.2	20.7	31.1

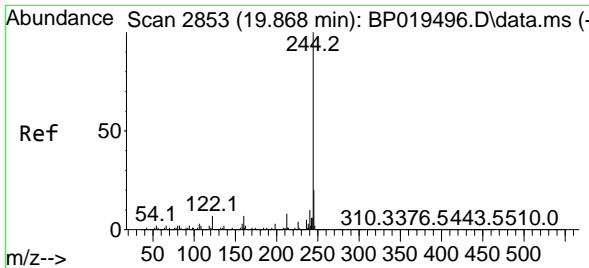


#78
 Pyrene
 Concen: 34.298 ng
 RT: 19.663 min Scan# 2818
 Delta R.T. 0.000 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion:202 Resp: 1253975

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.7	14.2	21.2



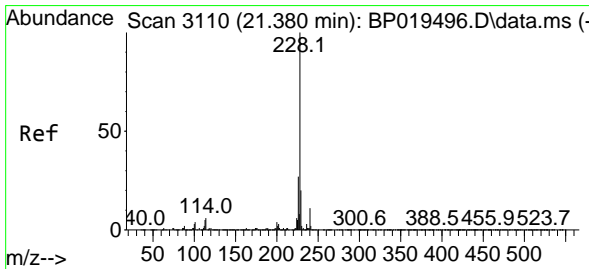
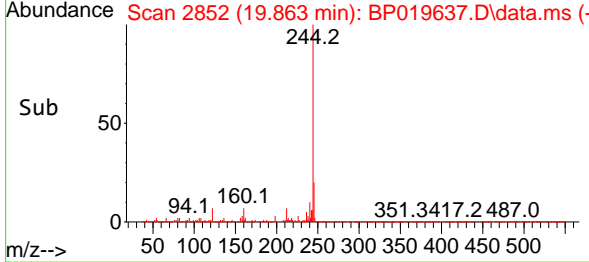
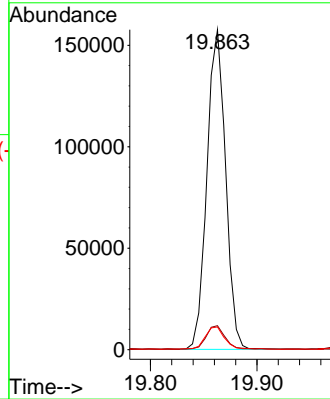
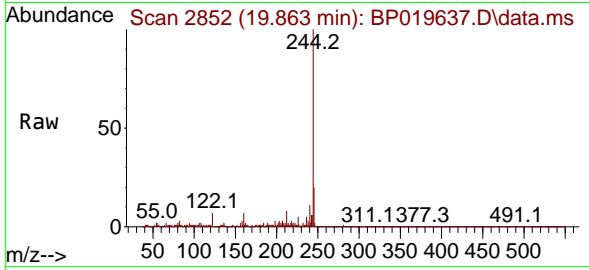


#79
 Terphenyl-d14
 Concen: 6.097 ng
 RT: 19.863 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Instrument :
 BNA_P
 ClientSampleId :
 HD-01-020724DL

Tgt Ion:244 Resp: 192064

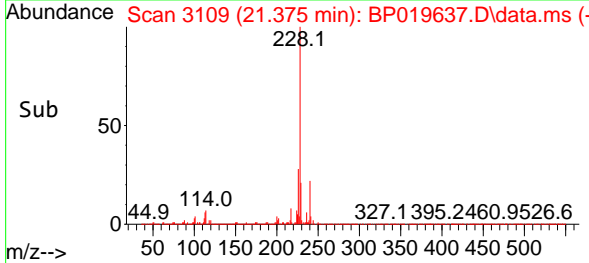
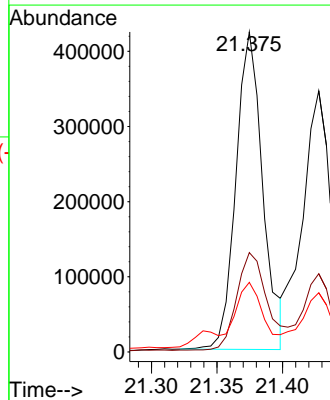
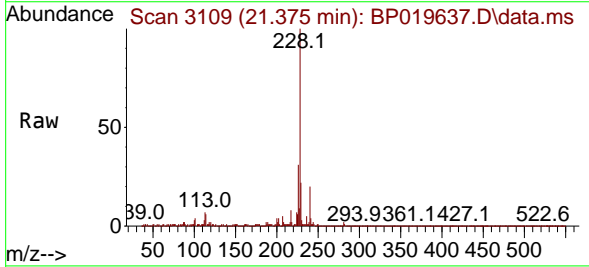
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	7.1	5.9	8.9

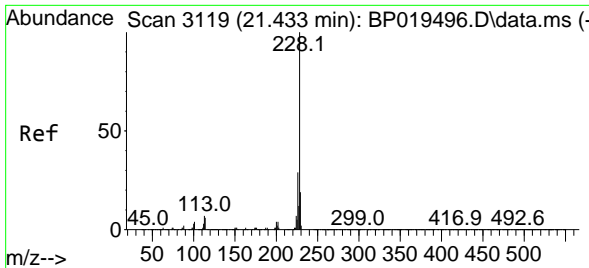


#81
 Benzo(a)anthracene
 Concen: 16.489 ng
 RT: 21.375 min Scan# 3109
 Delta R.T. -0.005 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion:228 Resp: 601291

Ion	Ratio	Lower	Upper
228	100		
226	31.1	21.7	32.5
229	21.8	15.6	23.4

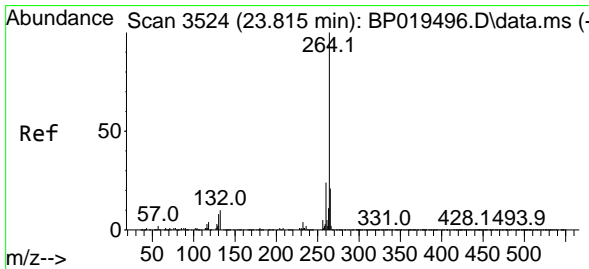
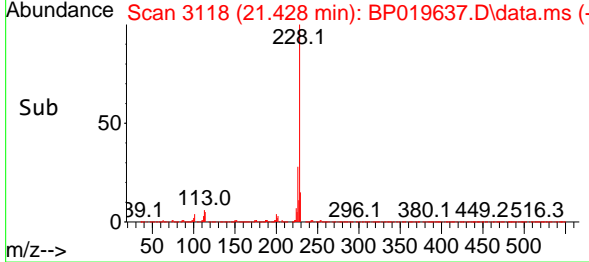
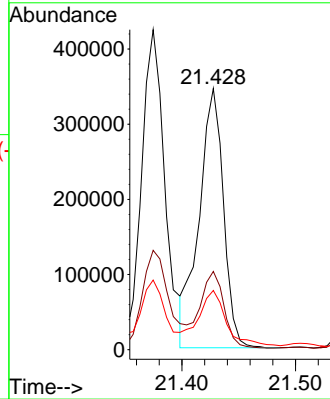
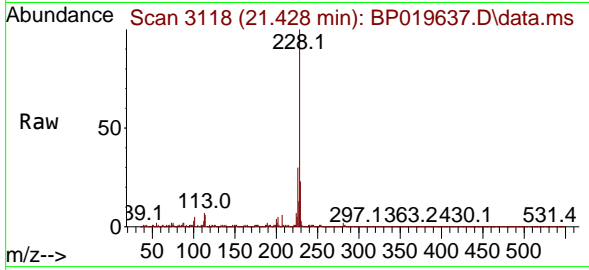




#83
 Chrysene
 Concen: 14.861 ng
 RT: 21.428 min Scan# 3118
 Delta R.T. -0.005 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

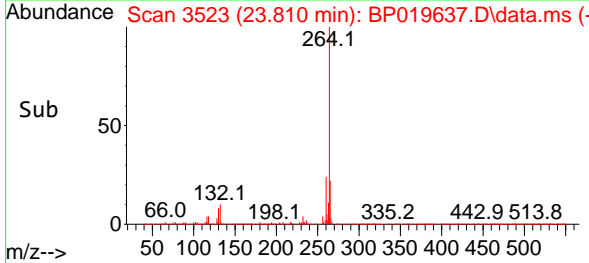
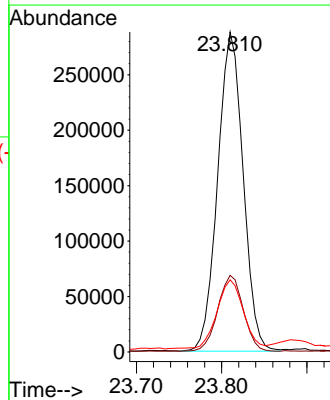
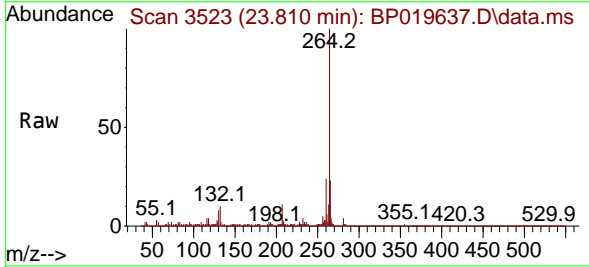
Instrument : BNA_P
 Client Sample Id : HD-01-020724DL

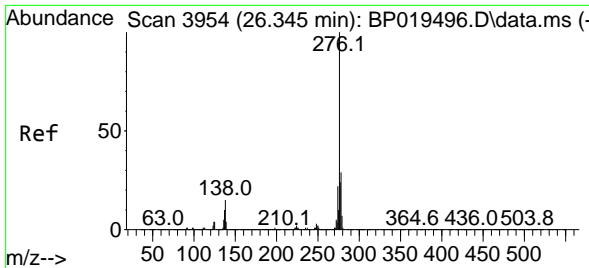
Tgt Ion	Resp	Lower	Upper
228	100		
226	30.0	23.4	35.2
229	22.7	15.6	23.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.810 min Scan# 3523
 Delta R.T. -0.005 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion	Resp	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.6	17.0	25.4



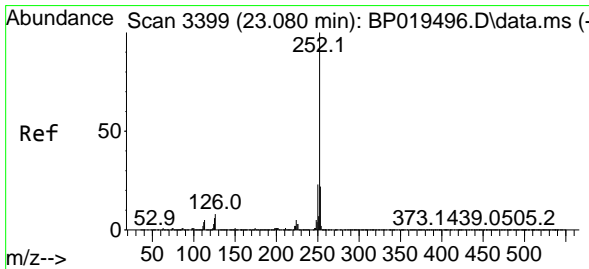
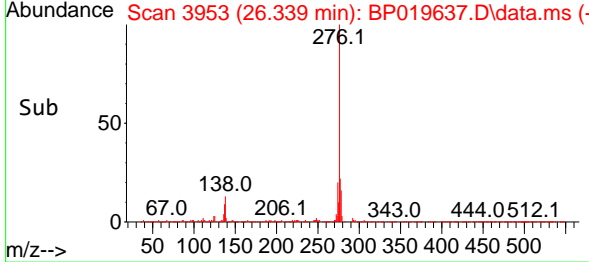
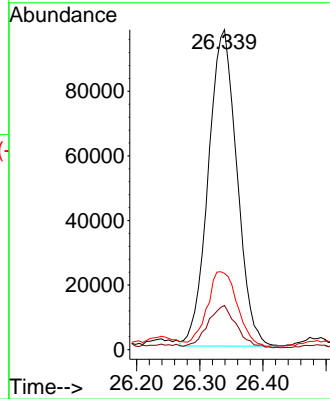
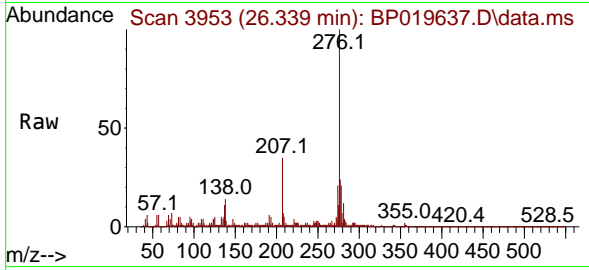


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.765 ng
 RT: 26.339 min Scan# 31
 Delta R.T. -0.005 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Instrument :
 BNA_P
 Client Sample Id :
 HD-01-020724DL

Tgt Ion: 276 Resp: 308975

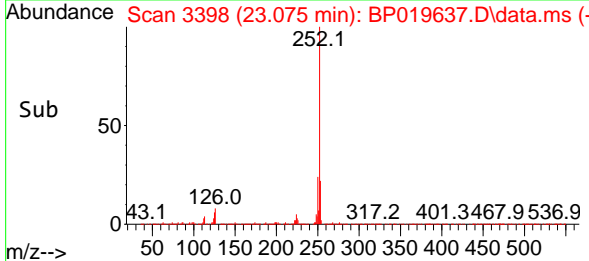
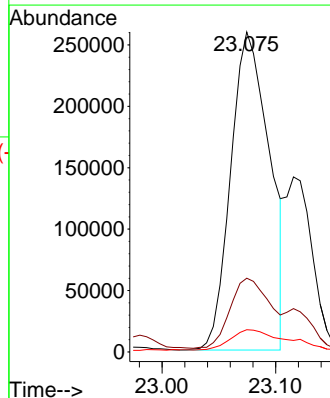
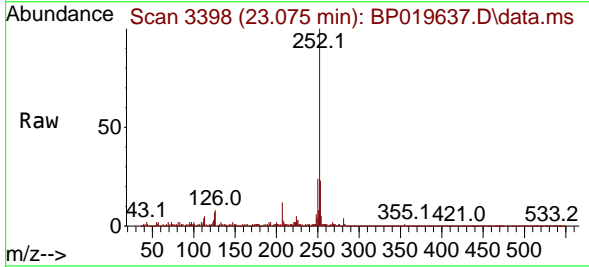
Ion	Ratio	Lower	Upper
276	100		
138	13.5	13.1	19.7
277	24.7	20.3	30.5

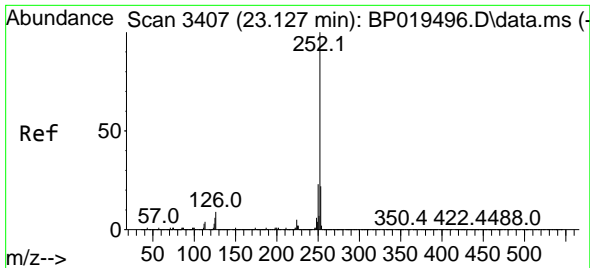


#88
 Benzo(b)fluoranthene
 Concen: 16.352 ng
 RT: 23.075 min Scan# 3398
 Delta R.T. -0.005 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion: 252 Resp: 614913

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	6.9	4.9	7.3



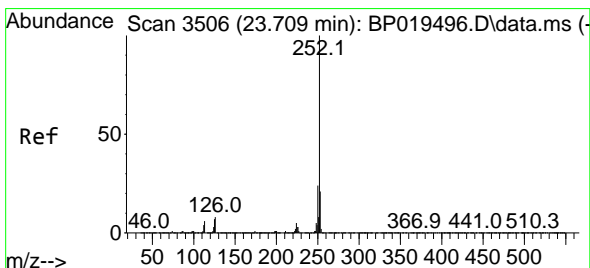
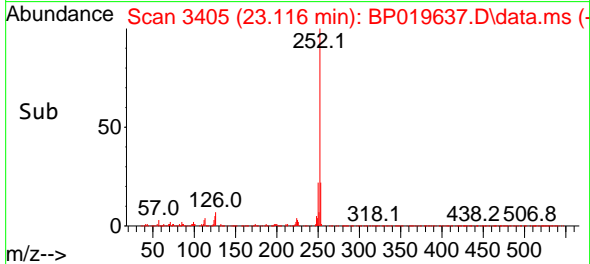
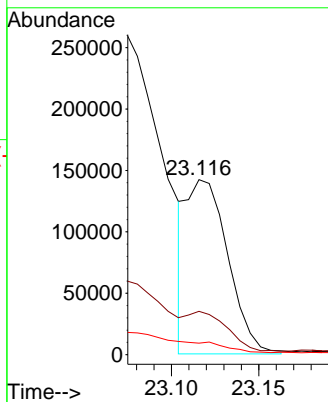
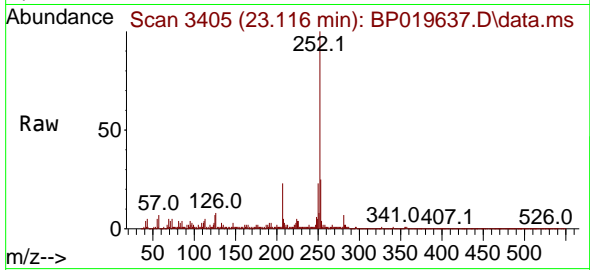


#89
 Benzo(k)fluoranthene
 Concen: 6.469 ng m
 RT: 23.116 min Scan# 3405
 Delta R.T. -0.011 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Instrument : BNA_P
 ClientSampleId : HD-01-020724DL

Tgt Ion:252 Resp: 232384

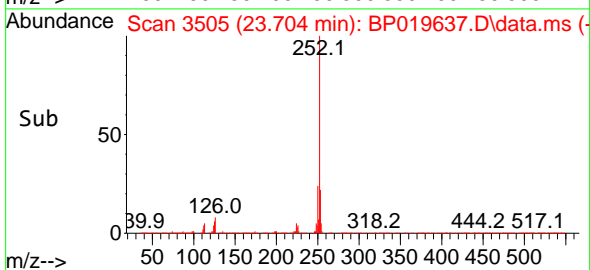
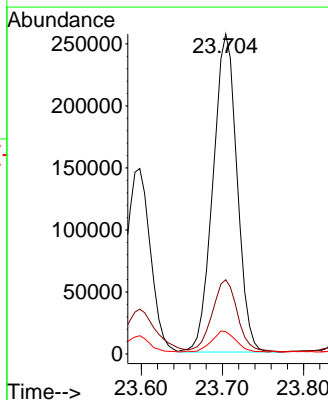
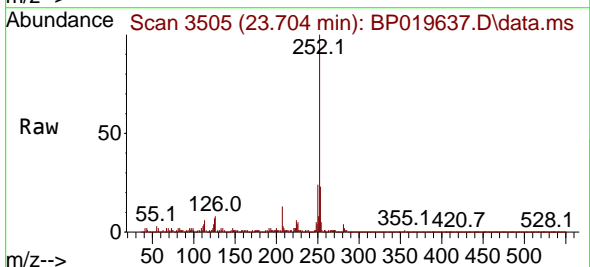
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	6.6	5.0	7.6

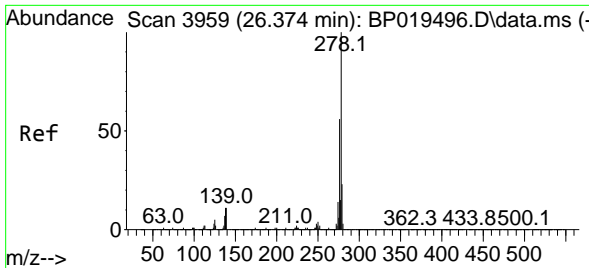


#90
 Benzo(a)pyrene
 Concen: 15.781 ng
 RT: 23.704 min Scan# 3505
 Delta R.T. -0.005 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion:252 Resp: 528047

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	6.9	5.6	8.4



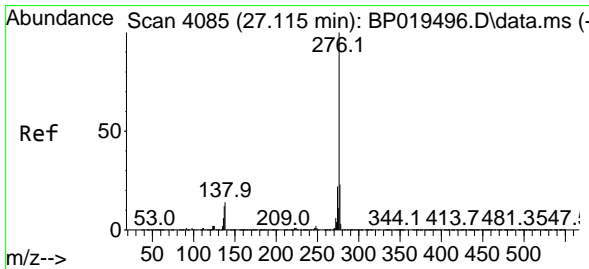
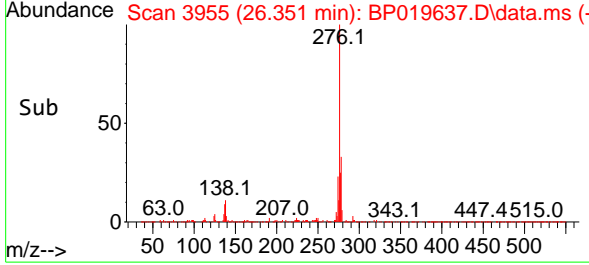
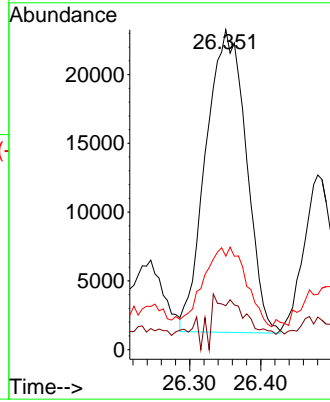
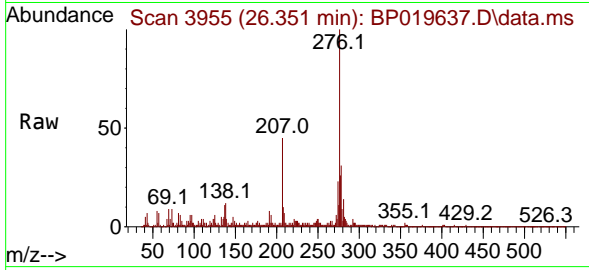


#91
 Dibenzo(a,h)anthracene
 Concen: 2.309 ng
 RT: 26.351 min Scan# 3955
 Delta R.T. -0.023 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Instrument : BNA_P
 ClientSampleId : HD-01-020724DL

Tgt Ion: 278 Resp: 86743

Ion	Ratio	Lower	Upper
278	100		
139	13.8	8.6	12.8#
279	29.2	18.5	27.7#



#92
 Benzo(g,h,i)perylene
 Concen: 7.979 ng
 RT: 27.115 min Scan# 4085
 Delta R.T. 0.000 min
 Lab File: BP019637.D
 Acq: 09 Feb 2024 17:53

Tgt Ion: 276 Resp: 304085

Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.6	28.0
138	11.8	10.9	16.3

